

# SIMTEK

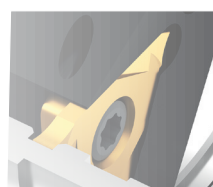
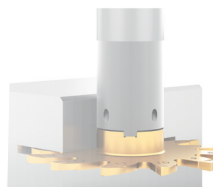
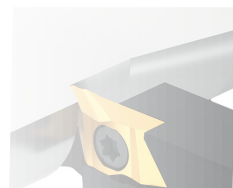
Werkzeuge  
für **höchste**  
Anforderungen



## Hauptkatalog Main Catalog

Teilkatalog simturn AX  
Part catalog simturn AX

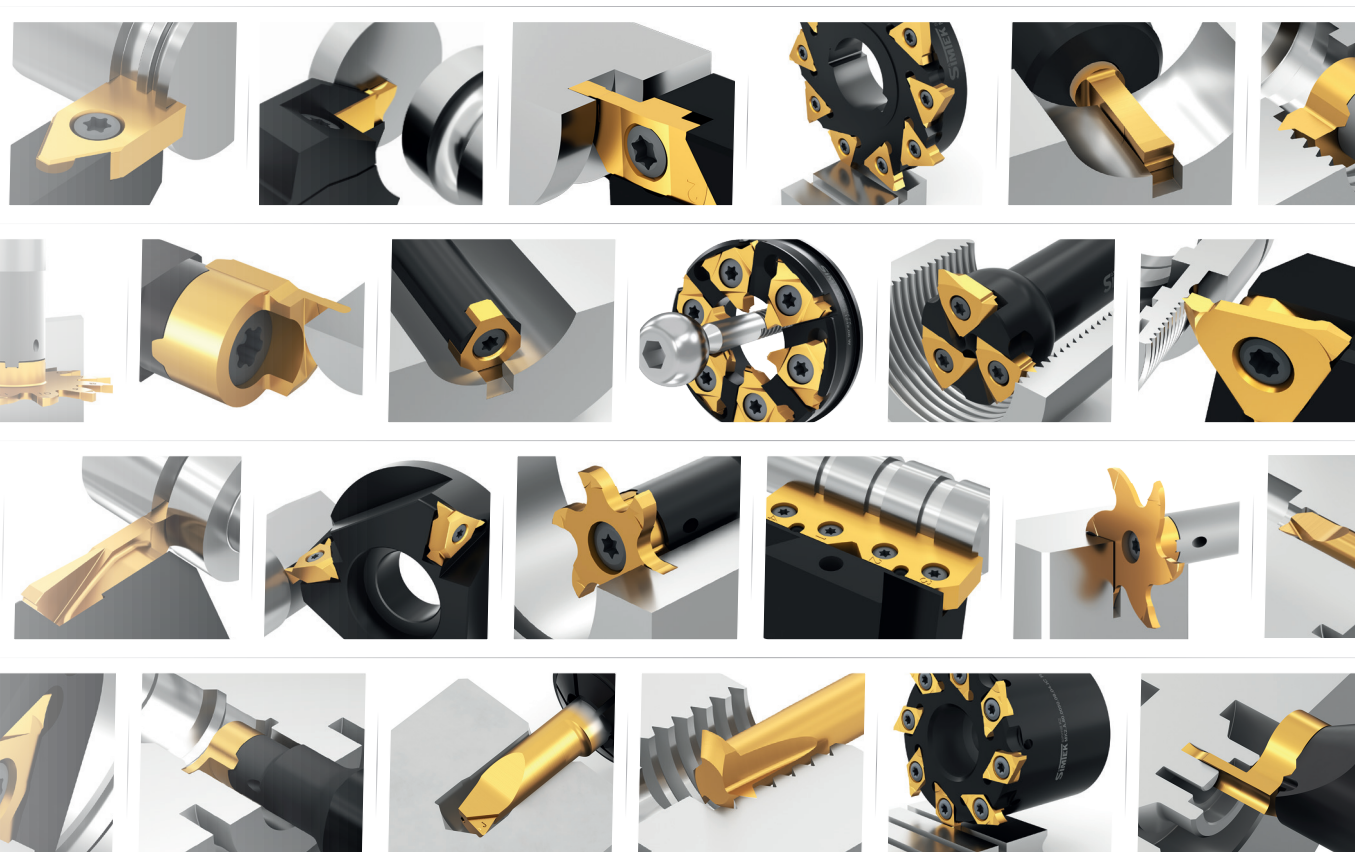
Edition  
R25DE





Hauptkatalog // Main Catalog

EDITION  
**R25DE**



Drehen  
Turning

Zirkularfräsen  
Groove Milling

Nutstoßen  
Broaching

Mehrkantfräsen  
Polygon Milling

Gewindewirbeln  
Thread Whirling

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## Hauptkatalog // Main Catalog

|                   |                                  |                        |                                   |                                   |                                                     |
|-------------------|----------------------------------|------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------|
| Drehen<br>Turning | Zirkularfräsen<br>Groove Milling | Nutstoßen<br>Broaching | Mehrkantfräsen<br>Polygon Milling | Gewindewirbeln<br>Thread Whirling | Herstellen von Verzahnungen*<br>Machining of gears* |
|-------------------|----------------------------------|------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------|

\*Weitere Informationen zur Herstellung von Verzahnungen mit SIMTEK-Werkzeugen finden Sie auf Seite 20  
\*Further information on the machining of gears with tools from SIMTEK can be found on page 20

**simturn**  
SIMTEK TURNING TOOLS

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**simmill**  
SIMTEK MILLING TOOLS

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**simcut**  
SIMTEK CUTTING TOOLS

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Weitere Kontaktinfos finden Sie auf Seite **767**  
Contact information can be found on page **767**

Das Werkzeugsystem simturn AX im Überblick  
The Tool System simturn AX Overview

# Großartige **Leistung** in Bohrungen **ab Ø 0,3 mm.**

## Great **performance** in bores **as of Ø 0,3 mm.**

### Auswahl der Anwendungen // Choice of Applications

Ausdrehen · Kopieren · Profildrehen · Rückwärtsdrehen · Fasen · Nutenstechen · Gewinden · Axialstechen  
Boring · Copying · Profiling · Back Boring · Chamfering · Grooving · Threading · Face Grooving

Übersicht aller Anwendungen ab Seite 37  
Overview of all applications as of page 37

### Hauptanwendungen // Main Applications

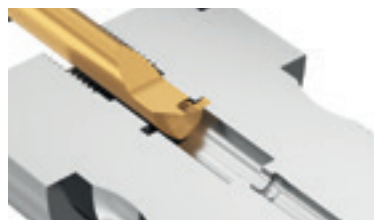
#### Ausdrehen Boring



Ausdrehen ab Bohrungsdurchmesser 0,3 mm. Erhältlich mit verschiedenen, optimierten Schneidengeometrien, CBN-Bestückung für die Hartbearbeitung sowie mit gelasierter Spanformgeometrie für maximale Spankontrolle.

Boring applications as of bore diameter 0,3 mm. Available with different geometries, CBN grades for hard part turning as well as with lasered chip forming geometry for maximum chip control.

#### Nutenstechen Grooving



Vielzahl an Standardwerkzeugen für das Nutenstechen in unterschiedlichen Schneidbreiten und mit unterschiedlicher nutzbarer Länge. Auch als Vollradiusvarianten mit verschiedenen Radien erhältlich.

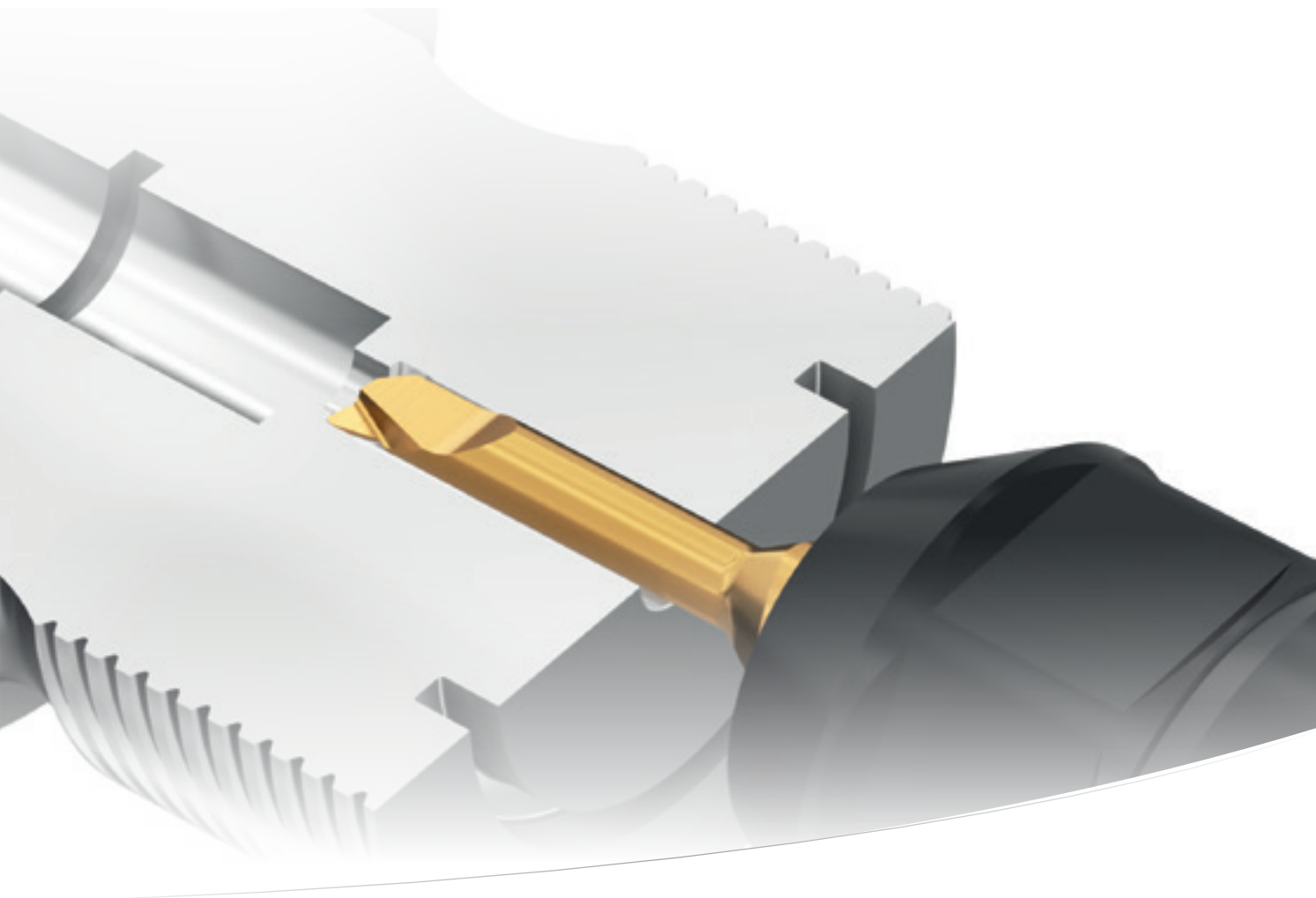
Grooving in bores as of minimum bore diameter 2,0 mm. With different cutting edge widths, usable lengths as well as with full radius.

#### Gewinden Threading



Große Auswahl an Werkzeugen für die Herstellung aller gängigen Gewindearten in verschiedenen Größen, Steigungen und Gängen.

Inserts for the machining of internal threads for all major types of threads. Available in different sizes and for different pitches or threads.



### Axialstechen Face Grooving



Werkzeuge zum Axialstechen in Bohrungen oder an Zapfen. Schneideinsätze auch mit integriertem Kühlmittelkanal sowie mit Vollradius verfügbar.

Inserts for face grooving in bores or on pivots. Also available with coolant supply through the insert as well as with full radius.

### ME-Spannprinzip ME-clamping system



Klemmhalter mit innovativem „ME“-Spannprinzip zum kraftschlüssigen Umspannen des Schneideinsatzes. Vier verschiedene Kühlmittelzufuhrarten (R, L, R+L oder Kühlung durch den Schneideinsatz) je nach Bedarf einstellbar.

Toolholders with innovative „ME“-clamping system for force-fitted clamping. Four different types of through coolant supply (R, L, R+L or supply through the insert) individually adjustable as required.

### simtek individual

simtek  individual

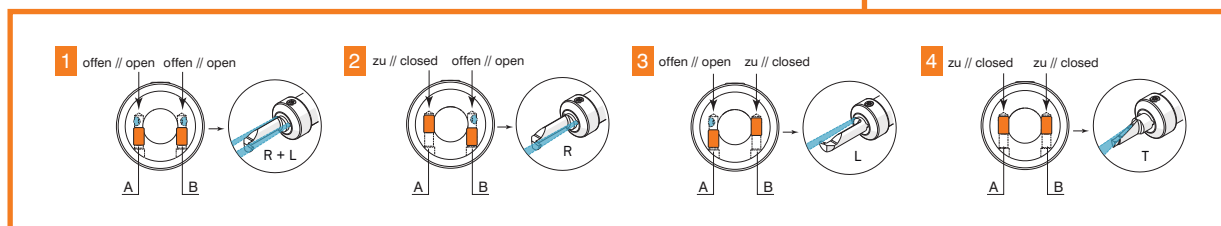
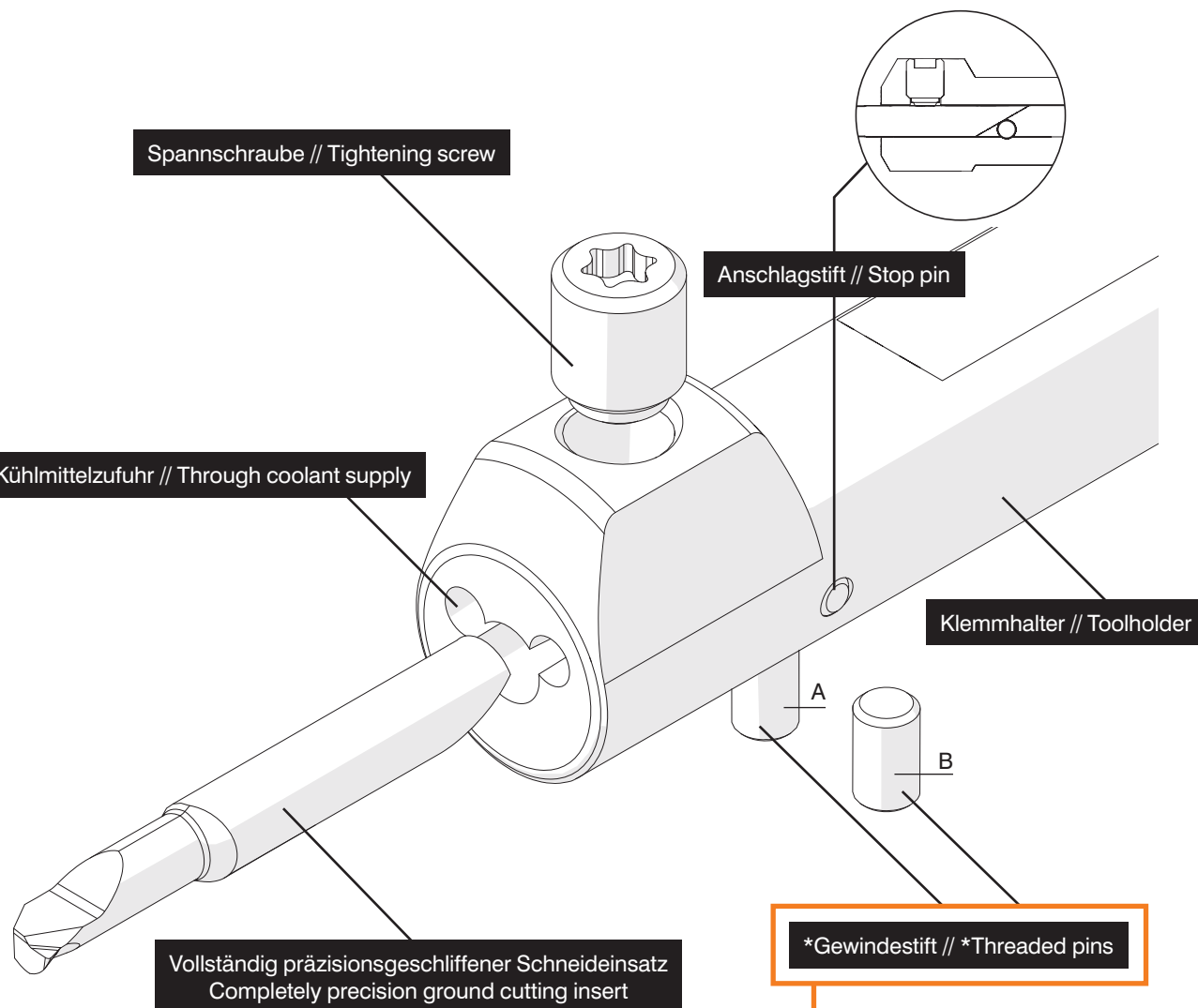
Neben unseren Standardwerkzeugen bieten wir Ihnen auf vielen Seiten die Möglichkeit eine Artikelnummer für ein Werkzeug nach Ihrem Bedarf zu erstellen. Nutzen Sie hierfür einfach den simtek-individual-Schlüssel! (siehe auch Seite 29)

Some catalog pages show a simtek-individual-key, which can be used to create a part number which represents a tool according to your needs. (see page 29 for more information)

## Das System im Detail The System Details

Bitte beachten Sie die allgemeinen Gebrauchshinweise auf Seite  
Please read the general instructions for use on page

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\*Zum individuellen Einstellen der Kühlmittelzufuhr bei folgenden Haltern  
\*For adjusting the coolant supply individually on the following toolholders

A04...T ab // as of ØDg6 12,0 mm  
A05...T ab // as of ØDg6 12,0 mm  
A06...T, A07...T, A08...T, A10...T



Sehr präzises und sehr stabiles Werkzeugsystem bestehend aus Hartmetall-Schneideinsatz, Stahl- und Hartmetallträgerwerkzeugen. Für die optimale Bearbeitung von Bohrungen zwischen Ø 0,3 mm bis ca. 20,0 mm.

Hohe Wiederholgenauigkeit von Schneide zu Schneide und Auskraglängen bis zu 9xD!

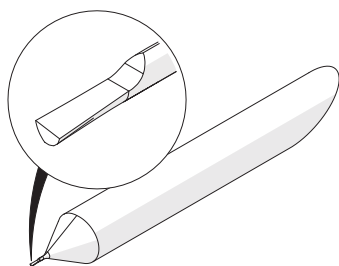
Mit rund 3.000 Standardwerkzeugen für nahezu jede Anwendung ein passendes Werkzeug verfügbar.

Very precise and very strong tool system of solid carbide cutting insert, steel and carbide toolholders. For best performance in bores between Ø 0,3 mm up to 20,0 mm.

High repeat accuracy from insert to insert and usable lengths up to 9xD!

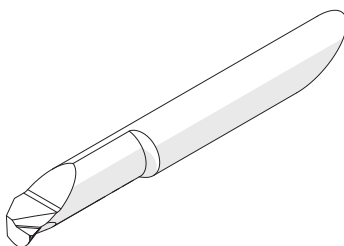
More than 3.000 standard items provide the right answer for almost every internal turning application.

#### A04



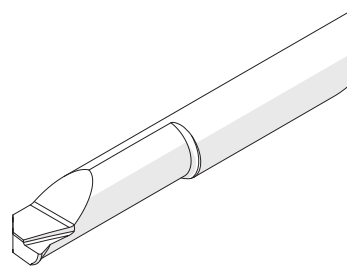
| ØD<br>mm | ØDmin<br>mm | L2<br>mm   |
|----------|-------------|------------|
| 4,0      | 0,3 - 4,2   | 1,2 - 35,6 |

#### A05



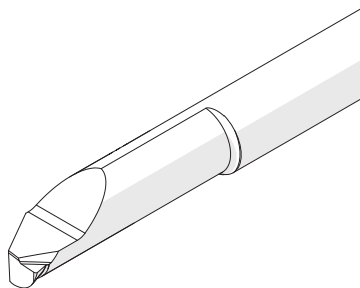
| ØD<br>mm | ØDmin<br>mm | L2<br>mm    |
|----------|-------------|-------------|
| 5,0      | 4,9 - 5,2   | 10,2 - 40,6 |

#### A06



| ØD<br>mm | ØDmin<br>mm | L2<br>mm    |
|----------|-------------|-------------|
| 6,0      | 5,9 - 6,2   | 15,2 - 50,8 |

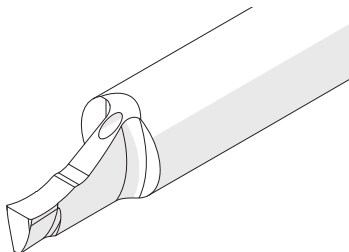
#### A07



| ØD<br>mm | ØDmin<br>mm | L2<br>mm    |
|----------|-------------|-------------|
| 7,0      | 7,2         | 25,4 - 60,8 |

#### A08

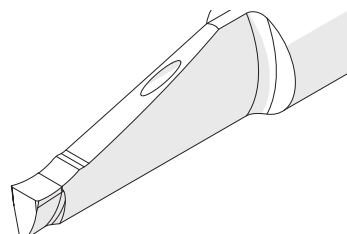
Axialbearbeitung // Face grooving



| ØD<br>mm | ØDmin<br>mm | tmax<br>mm  |
|----------|-------------|-------------|
| 8,0      | 16,0        | 10,0 - 15,0 |

#### A10

Axialbearbeitung // Face grooving



| ØD<br>mm | ØDmin<br>mm | tmax<br>mm  |
|----------|-------------|-------------|
| 10,0     | 20,0        | 20,0 - 30,0 |

**ØD** Aufnahmedurchmesser // Connection diameter  
**ØDmin** Geeignet ab Bohrungsdurchmesser // Suitable as of bore diameter  
**L2** Nutzlänge // Usable length  
**tmax** maximale Schnitttiefe // Maximum cutting depth

Optimale Präzision und Stabilität durch das ME-Spannprinzip  
Higher precision and stability with the ME-clamping system

Ab Seite  
As of page

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1 Halter – 4 Kühlmittelzufuhrarten  
1 toolholder – 4 through coolant supplies



\*Deutsches Patent Nr. 10 2014 111 898 / German Patent No. 10 2014 111 898

\*\* Eingetragenes Gebrauchsmuster Nr. DE 20 2015 101 834.7 // Registered utility model no. DE 20 2015 101 834.7

Durch das innovative ME-Spannprinzip\*, bei dem der Schneideinsatz von allen Seiten kraftschlüssig umspannt wird, bieten unsere simturn AX Rundschäfte optimale Präzision und Stabilität.

Diese Trägerwerkzeuge sind sowohl aus Stahl als auch aus Hartmetall erhältlich, wobei die Hartmetallausführungen besonders zur Erhöhung der möglichen Auskragung geeignet sind.

Dank verstellbarer Gewindestifte können hier mit einem Halter vier mögliche Kühlmittelzufuhrarten (R, L, R+L oder Kühlung durch das Schneidwerkzeug) je nach Bedarf individuell realisiert werden\*\*.

The innovative ME-clamping system\* provides force-fitted clamping along with higher precision and stability.

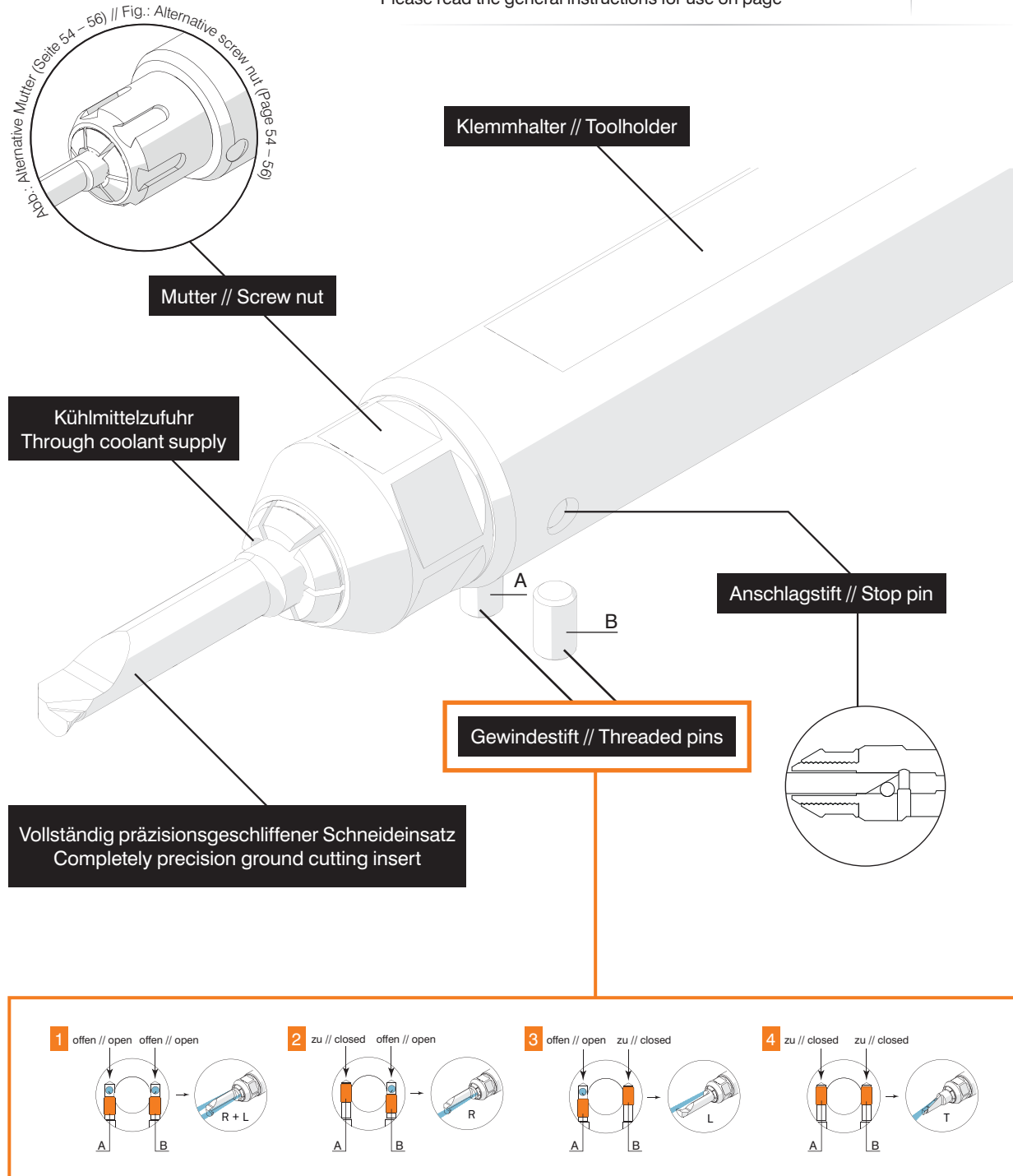
Those toolholders are available in steel as well as in carbide, whereas the carbide toolholders are especially suitable to extend the overall tool reach.

Thanks to adjustable threaded pins, four different types of coolant supply (R, L, R+L or supply through the insert) can individually be realized as required\*\*.

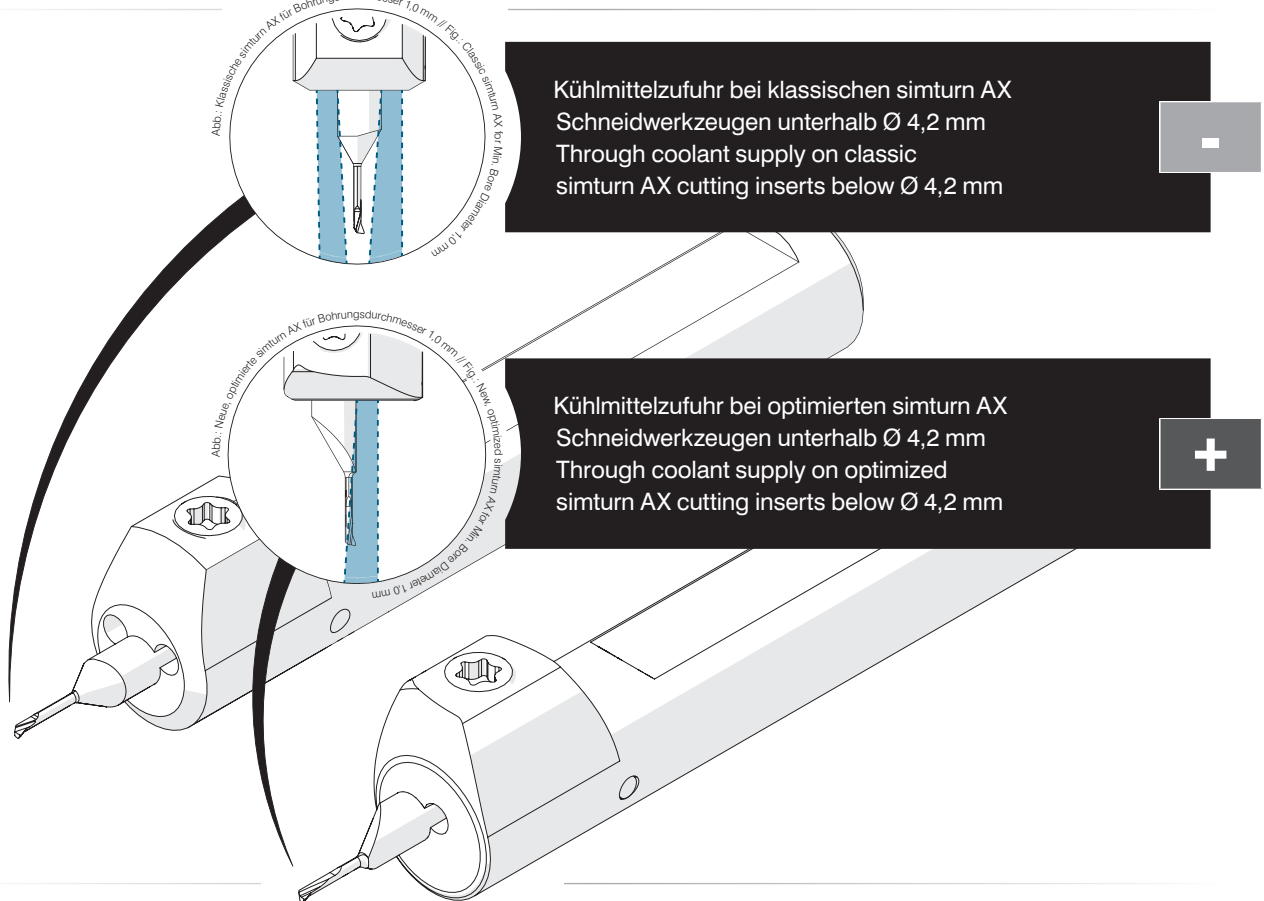
## Das ME-System im Detail The ME-System Details

Bitte beachten Sie die allgemeinen Gebrauchshinweise auf Seite  
Please read the general instructions for use on page

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Wählen Sie das Plus für eine optimierte Kühlmittelzufuhr!  
Choose the Plus for improved Through Coolant Supply!



Die klassischen Schneidwerkzeuge / und die optimierten Schneidwerkzeuge sind zueinander **vollständig kompatibel**: Beide Varianten nutzen zwar einen eigenen Haltertyp, können jedoch uneingeschränkt wechselseitig genutzt werden.

Das Symbol signalisiert, dass das Schneidwerkzeug für eine ideale Kühlmittelzufuhr optimiert ist. Für beste Ergebnisse wählen Sie bitte ein passendes Trägerwerkzeug anhand des jeweils angegebenen Connectcodes.

Die klassischen Schneidwerkzeuge für Bohrungsdurchmesser unterhalb 2,0 mm sind mit einem gekennzeichnet. Bei diesen Werkzeugen empfehlen wir, für eine verbesserte Kühlmittelzufuhr, generell auf die optimierte Variante zurückzugreifen.

Die klassischen Schneidwerkzeuge für Bohrungsdurchmesser oberhalb 2,0 mm sind mit einem gekennzeichnet. Bei diesen Werkzeugen ist in der klassischen Variante eine ausreichend gute Kühlung gegeben.

The classic cutting inserts / and the optimized cutting inserts are **fully compatible** to each other, meaning that each type of insert has a dedicated type of holder, but can be switched with each other.

The sign indicates that the cutting insert was designed and optimized for an improved through coolant supply. Please choose a matching toolholder using the given Connectcode for best performance.

The classic cutting inserts for bore diameters below 2,0 mm are marked with a sign. Our recommendation for these tools is, to rather use the optimized cutting inserts for best through coolant supply.

The classic cutting inserts for bore diameters above 2,0 mm are marked with a sign. These cutting inserts already provide a sufficient through coolant supply.



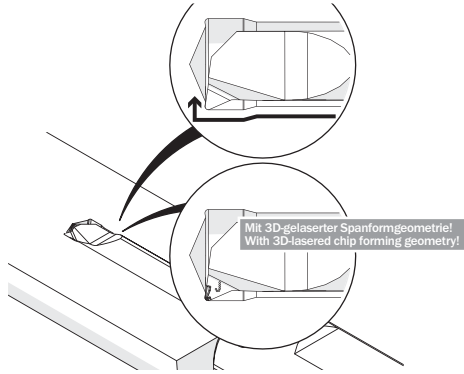
## Standardanwendungen Standard Applications



Weitere Werkzeuge finden Sie im  
**Online-Katalog** // More tools can be  
found in the **online catalog**

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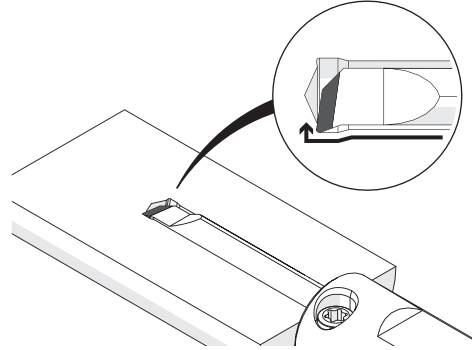
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Ausdrehen  
Boring

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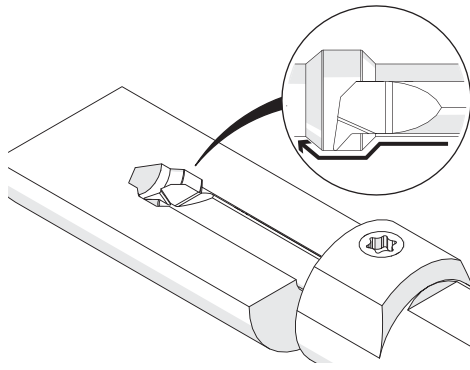
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Ausdrehen, Hartbearbeitung  
Boring, Hard Part Turning

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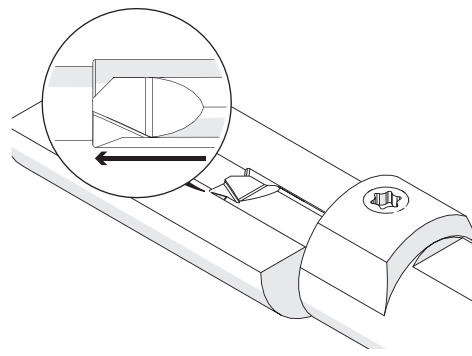
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Kopieren und Profildrehen  
Copying and Profiling

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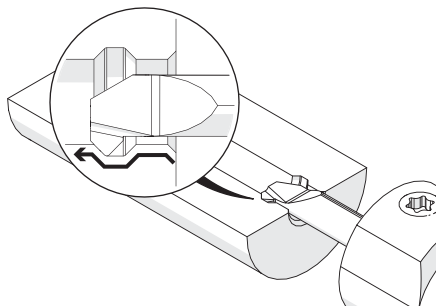
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Bohrungen drehen  
Boring

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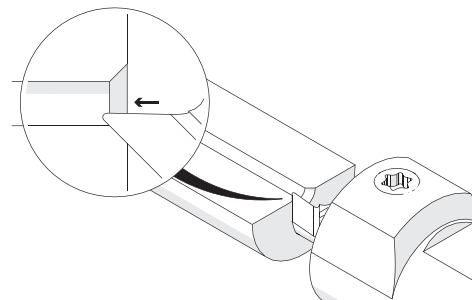
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Ausdrehen und Fasen  
Boring and Chamfering

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Fasen  
Chamfering

simturn DX

simturn PX

simturn H2

simturn K2

simturn GX

simturn E3

simturn E12

simturn FX

simturn  
Decolletage

simturn OA

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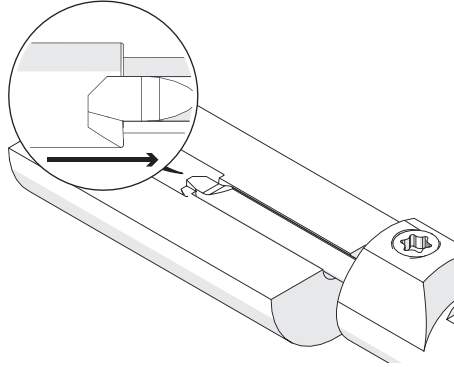


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## Standardanwendungen Standard Applications

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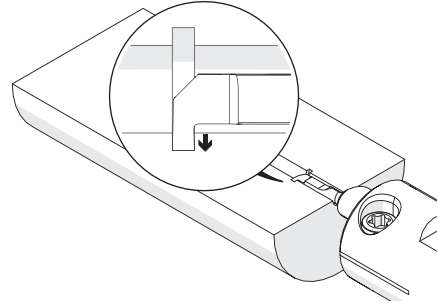
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Rückwärtsdrehen  
Back Boring

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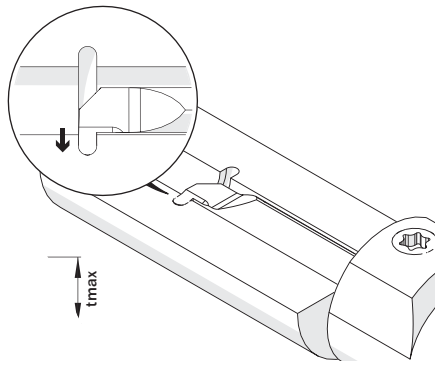
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Nutenstechen  
Grooving

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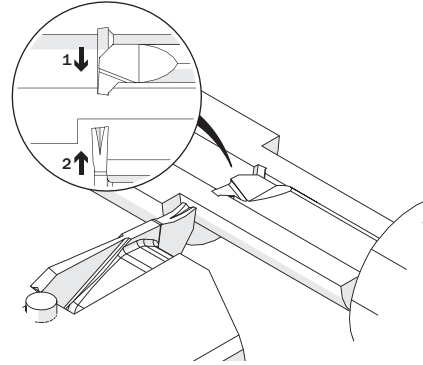
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Stechen von Vollradiusnuten  
Full Radius Grooving

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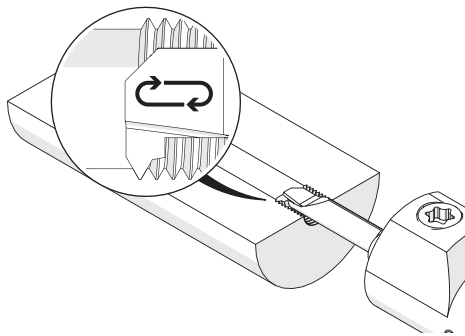
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Vorstechen und Fasen  
Pre-Part Off and Chamfering

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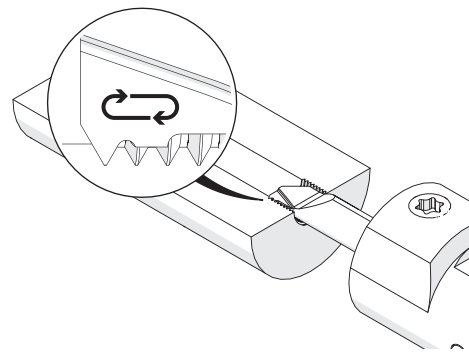
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Gewinden: Metrisches ISO Teilprofil  
Threading: Metric ISO Partial Profile

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Gewinden: Metrisches ISO Vollprofil  
Threading: Metric ISO Full Profile

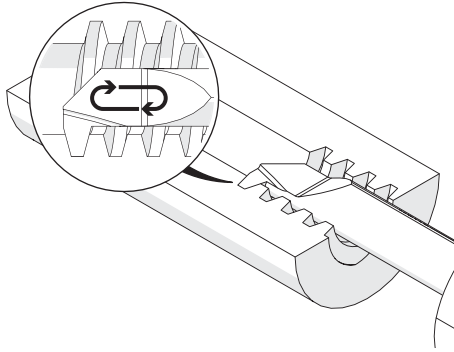
## Standardanwendungen Standard Applications



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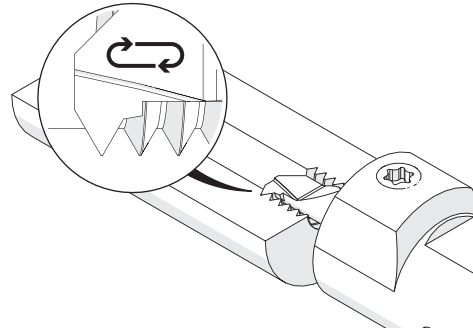
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Gewinden: Trapezgewinde, Teilprofil  
Threading: Trapezoidal Thread, Partial Profile

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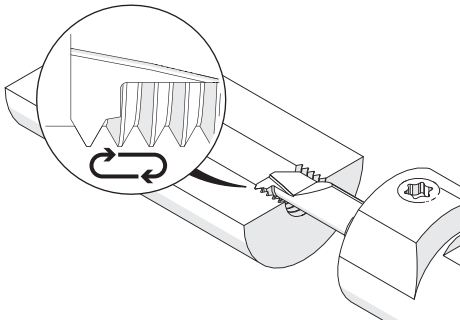
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Gewinden: NPT, Teilprofil  
Threading: NPT, Partial Profile

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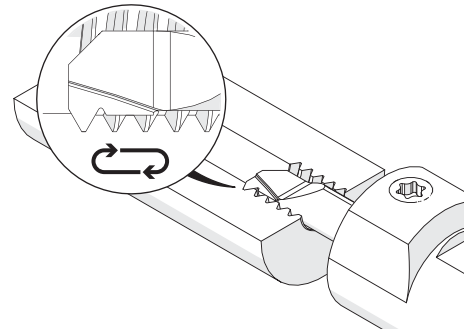
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Gewinden: UN, Teilprofil  
Threading: UN, Partial Profile

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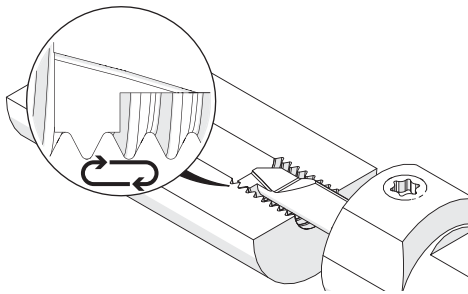
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Gewinden: UNC / UNF, Vollprofil  
Threading: UNC / UNF, Full Profile

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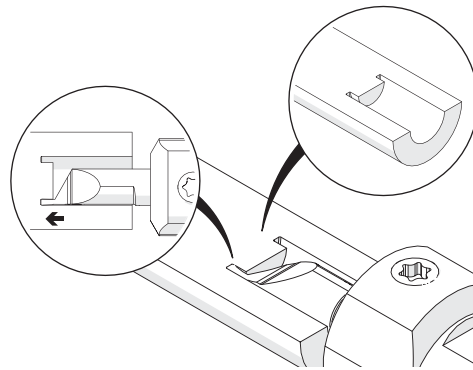
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Gewinden: Whitworth, Vollprofil  
Threading: Whitworth, Full Profile

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Axialstechen  
Face Grooving



## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A04.

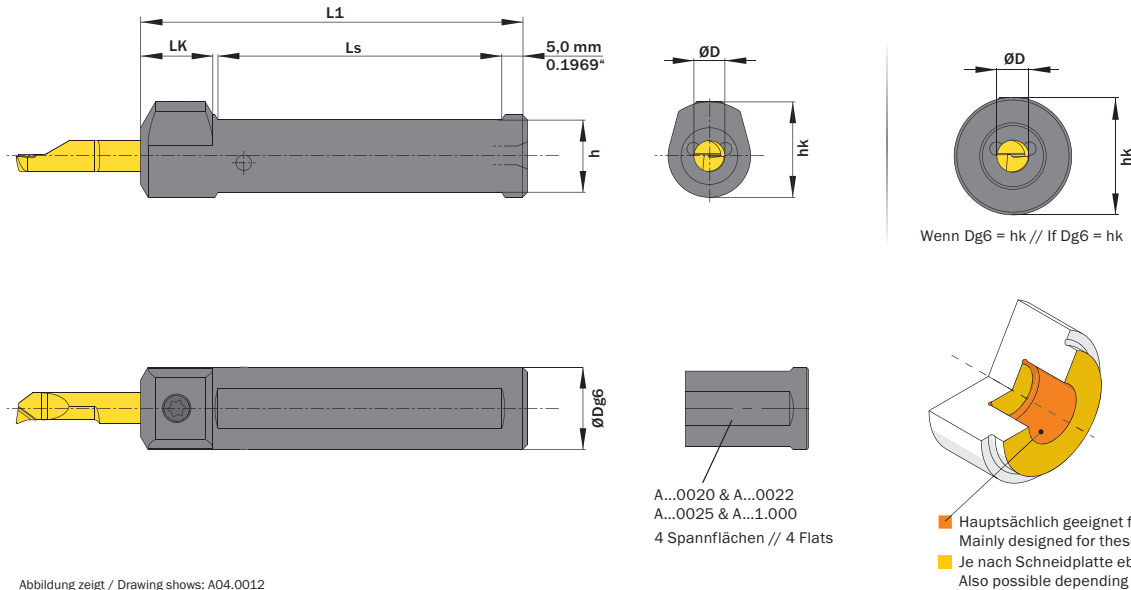
## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A04.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/746](http://www.simtek.info/cp/746)

| ØD  | ØDg6   | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h    | hk   | L1    | LK   | Ls   | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|--------|------------------------------|-------------------------------------------------------------------------------|------|------|-------|------|------|----------------------------------------|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm  | mm     |                              |                                                                               | mm   | mm   | mm    | mm   | mm   |                                        |                   |                                    |                                                                             |
| 4,0 | 10,0   | <b>A04.0010</b>              | AE46                                                                          | 8,0  | 14,5 | 65,0  | 14,0 | 45,0 | 2                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |
| 4,0 | 12,0   | <b>A04.0012</b>              | AE0X                                                                          | 10,0 | 15,5 | 70,0  | 14,0 | 50,0 | 2                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |
| 4,0 | 12,7   | <b>A04.0.500</b>             | AB2J                                                                          | 10,7 | 15,8 | 70,0  | 14,0 | 50,0 | 2                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |
| 4,0 | 15,875 | <b>A04.0.625</b>             | ACVJ                                                                          | 13,9 | 17,4 | 75,0  | 14,0 | 55,0 | 2                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |
| 4,0 | 16,0   | <b>A04.0016</b>              | AF2K                                                                          | 14,0 | 17,5 | 75,0  | 14,0 | 55,0 | 2                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |
| 4,0 | 19,05  | <b>A04.0.750</b>             | AJ4A                                                                          | 17,0 | 19,0 | 110,0 | 14,0 | 90,0 | 2                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |
| 4,0 | 20,0   | <b>A04.0020</b>              | AC6Y                                                                          | 18,0 | 20,0 | 90,0  | 14,0 | 70,0 | 4                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |
| 4,0 | 22,0   | <b>A04.0022</b>              | AD0V                                                                          | 20,0 | 22,0 | 110,0 | -    | 90,0 | 4                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |
| 4,0 | 23,0   | <b>A04.0023</b>              | ANU4                                                                          | 21,0 | 23,0 | 110,0 | -    | 90,0 | 2                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |
| 4,0 | 25,0   | <b>A04.0025</b>              | ACAS                                                                          | 23,0 | 25,0 | 110,0 | -    | 90,0 | 4                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |
| 4,0 | 25,4   | <b>A04.1.000</b>             | AJWG                                                                          | 23,4 | 25,4 | 110,0 | -    | 90,0 | 4                                      | ATKW              | T15F                               | A04.L A04.R                                                                 |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued TableBestellbeispiel // Order example: **A04.0016**Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite 766.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page 766.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A05.

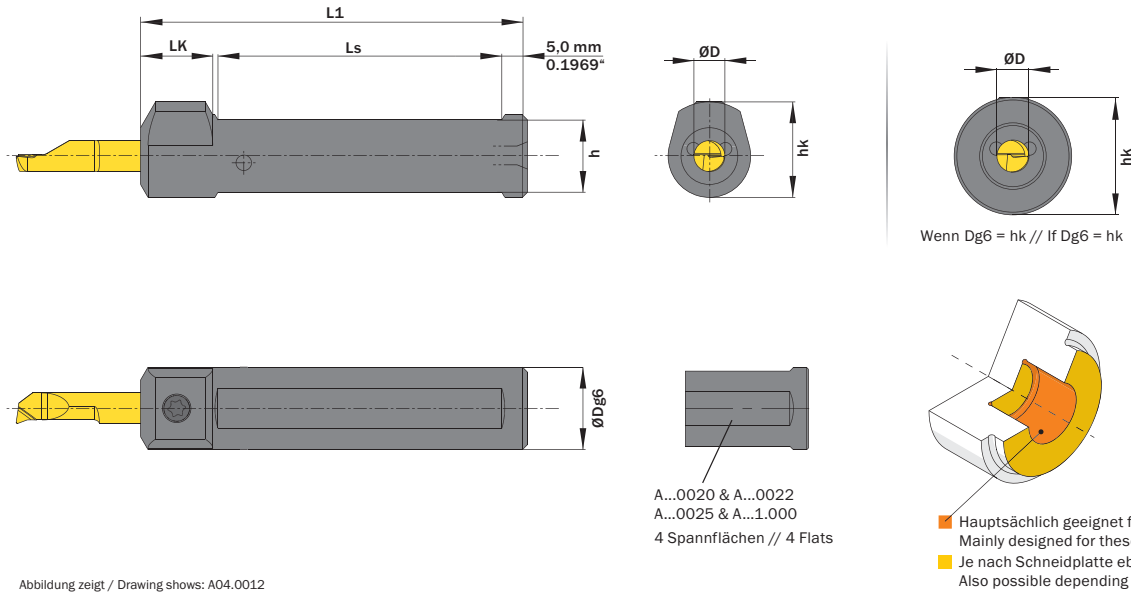
## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A05.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/782](http://www.simtek.info/cp/782)

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | hk | L1 | LK | Ls | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|----|----------------------------------------|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm | mm | mm | mm |                                        |                   |                                    |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

|     |        |                  |      |       |       |       |      |      |   |      |      |             |      |
|-----|--------|------------------|------|-------|-------|-------|------|------|---|------|------|-------------|------|
| 5,0 | 10,0   | <b>A05.0010</b>  | ABMY | 8,0   | 15,0  | 65,0  | 14,0 | 45,0 | 2 | ATKW | T15F | A05.L A05.R |      |
| 5,0 | 12,0   | <b>A05.0012</b>  | AEA9 | 10,0  | 16,0  | 70,0  | 14,0 | 50,0 | 2 | ATKW | T15F | A05.L A05.R |      |
| 5,0 | 12,7   | <b>A05.0.500</b> | AHQV | 10,7  | 16,35 | 70,0  | 14,0 | 50,0 | 2 | ATKW | T15F | A05.L A05.R | inch |
| 5,0 | 15,875 | <b>A05.0.625</b> | AGG2 | 13,88 | 17,94 | 75,0  | 14,0 | 55,0 | 2 | ATKW | T15F | A05.L A05.R | inch |
| 5,0 | 16,0   | <b>A05.0016</b>  | AEGF | 14,0  | 18,0  | 75,0  | 14,0 | 55,0 | 2 | ATKW | T15F | A05.L A05.R |      |
| 5,0 | 19,05  | <b>A05.0.750</b> | AAF8 | 17,05 | 19,05 | 110,0 | 14,0 | 90,0 | 2 | ATKW | T15F | A05.L A05.R | inch |
| 5,0 | 20,0   | <b>A05.0020</b>  | ABDK | 18,0  | 20,0  | 90,0  | 14,0 | 70,0 | 4 | ATKW | T15F | A05.L A05.R | upd  |
| 5,0 | 22,0   | <b>A05.0022</b>  | AG78 | 20,0  | 22,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A05.L A05.R |      |
| 5,0 | 23,0   | <b>A05.0023</b>  | AGZX | 21,0  | 23,0  | 110,0 | -    | 90,0 | 2 | ATKW | T15F | A05.L A05.R |      |
| 5,0 | 25,0   | <b>A05.0025</b>  | AMVA | 23,0  | 25,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A05.L A05.R | upd  |
| 5,0 | 25,4   | <b>A05.1.000</b> | AMM2 | 23,4  | 25,4  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A05.L A05.R | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A05.0016**

Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A06.

## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A06.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

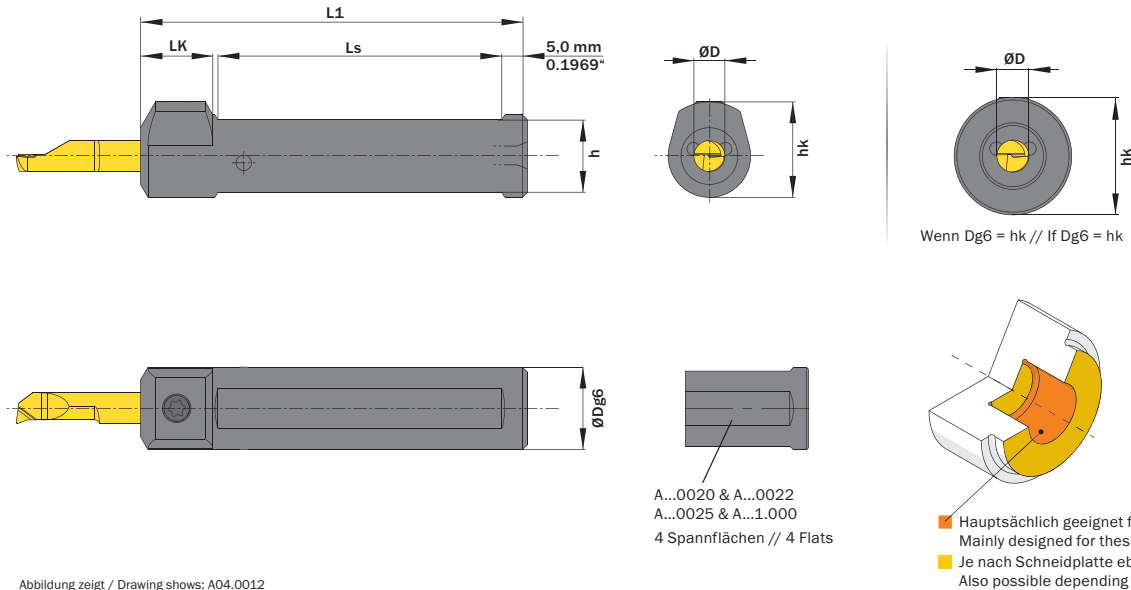
**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/783](http://www.simtek.info/cp/783)

Abbildung zeigt / Drawing shows: A04.0012

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | hk | L1 | LK | Ls | Anzahl Spanflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|----|---------------------------------------|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm | mm | mm | mm |                                       |                   |                                    |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|     |        |                  |      |       |       |       |      |      |   |      |      |               |      |
|-----|--------|------------------|------|-------|-------|-------|------|------|---|------|------|---------------|------|
| 6,0 | 12,0   | <b>A06.0012</b>  | AE6Z | 10,0  | 16,5  | 70,0  | 14,0 | 50,0 | 2 | ATKW | T15F | A06.L   A06.R |      |
| 6,0 | 12,7   | <b>A06.0.500</b> | ADG8 | 10,7  | 16,85 | 70,0  | 14,0 | 50,0 | 2 | ATKW | T15F | A06.L   A06.R | inch |
| 6,0 | 15,875 | <b>A06.0.625</b> | AF4V | 13,88 | 18,44 | 75,0  | 14,0 | 55,0 | 2 | ATKW | T15F | A06.L   A06.R | inch |
| 6,0 | 16,0   | <b>A06.0016</b>  | ANUJ | 14,0  | 18,5  | 75,0  | 14,0 | 55,0 | 2 | ATKW | T15F | A06.L   A06.R |      |
| 6,0 | 19,05  | <b>A06.0.750</b> | AE0N | 17,05 | 21,0  | 110,0 | 14,0 | 90,0 | 2 | ATKW | T15F | A06.L   A06.R | inch |
| 6,0 | 20,0   | <b>A06.0020</b>  | AEV6 | 18,0  | 22,0  | 90,0  | 14,0 | 70,0 | 4 | ATKW | T15F | A06.L   A06.R | upd  |
| 6,0 | 22,0   | <b>A06.0022</b>  | AAW6 | 20,0  | 22,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A06.L   A06.R |      |
| 6,0 | 23,0   | <b>A06.0023</b>  | AAMQ | 21,0  | 23,0  | 110,0 | -    | 90,0 | 2 | ATKW | T15F | A06.L   A06.R |      |
| 6,0 | 25,0   | <b>A06.0025</b>  | AGFG | 23,0  | 25,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A06.L   A06.R | upd  |
| 6,0 | 25,4   | <b>A06.1.000</b> | AFYZ | 23,4  | 25,4  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A06.L   A06.R | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued TableBestellbeispiel // Order example: **A06.0016**Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A07.

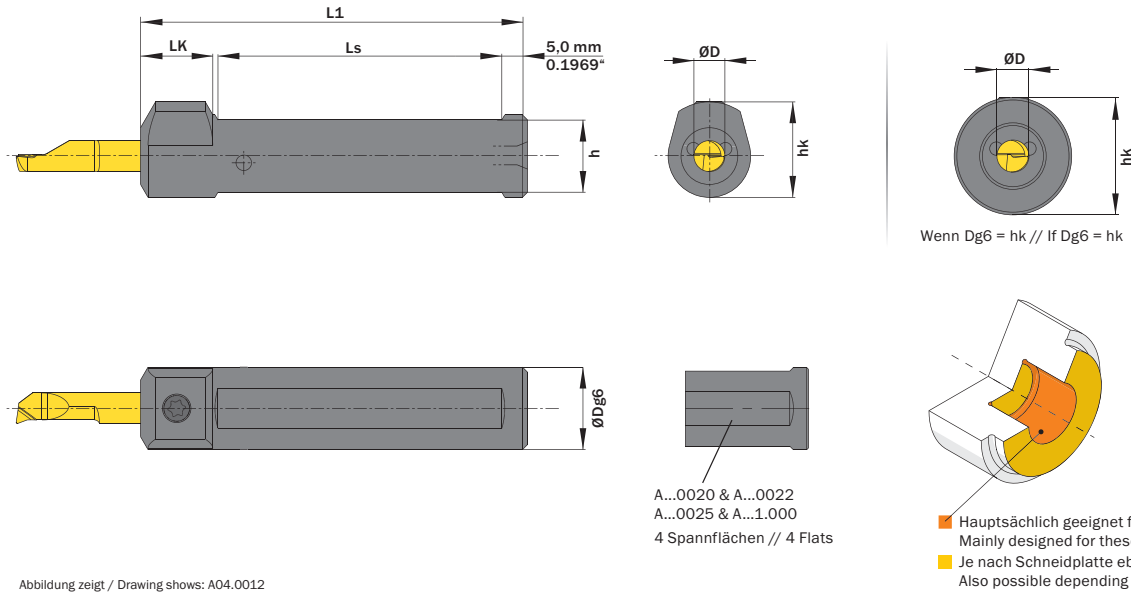
## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A07.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/784](http://www.simtek.info/cp/784)

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | hk | L1 | LK | Ls | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/ccode">www.simtek.com/ccode</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|----|----------------------------------------|-------------------|------------------------------------|-------------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm | mm | mm | mm |                                        |                   |                                    |                                                                               |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

|     |        |                  |      |       |       |       |      |      |   |      |      |            |      |
|-----|--------|------------------|------|-------|-------|-------|------|------|---|------|------|------------|------|
| 7,0 | 15,875 | <b>A07.0.625</b> | AJD9 | 13,88 | 18,94 | 75,0  | 14,0 | 55,0 | 2 | ATKW | T15F | A07L A07.R | inch |
| 7,0 | 16,0   | <b>A07.0016</b>  | ANSH | 14,0  | 19,0  | 75,0  | 14,0 | 55,0 | 2 | ATKW | T15F | A07L A07.R |      |
| 7,0 | 19,05  | <b>A07.0.750</b> | AGC1 | 17,05 | 21,0  | 110,0 | 14,0 | 90,0 | 2 | ATKW | T15F | A07L A07.R | inch |
| 7,0 | 20,0   | <b>A07.0020</b>  | AJ4T | 18,0  | 22,0  | 90,0  | 14,0 | 70,0 | 4 | ATKW | T15F | A07L A07.R | upd  |
| 7,0 | 22,0   | <b>A07.0022</b>  | AE9S | 20,0  | 22,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A07L A07.R |      |
| 7,0 | 23,0   | <b>A07.0023</b>  | AA1N | 21,0  | 23,0  | 110,0 | -    | 90,0 | 2 | ATKW | T15F | A07L A07.R |      |
| 7,0 | 25,0   | <b>A07.0025</b>  | AEK6 | 23,0  | 25,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A07L A07.R | upd  |
| 7,0 | 25,4   | <b>A07.1.000</b> | AD79 | 23,4  | 25,4  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A07L A07.R | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A07.0016**

Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite 766.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page 766.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größen A08 und A10.

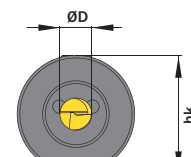
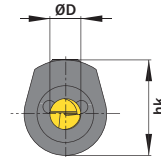
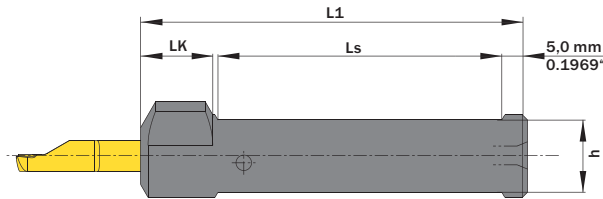
## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A08 and A10.

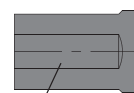
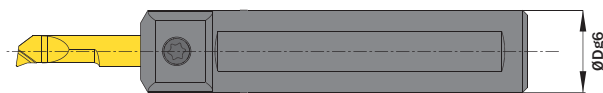
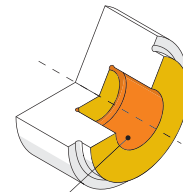
Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/785](http://www.simtek.info/cp/785)

Wenn Dg6 = hk // If Dg6 = hk

A...0020 & A...0025 & A...1.000  
4 Spannflächen // 4 Flats

■ Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces

■ Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | hk | L1 | LK | Ls | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|----|----------------------------------------|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm | mm | mm | mm |                                        |                   |                                    |                                                                             |

◀ Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

▼ ØD = 8,0 mm

|     |        |           |      |       |       |       |      |      |   |      |      |     |      |
|-----|--------|-----------|------|-------|-------|-------|------|------|---|------|------|-----|------|
| 8,0 | 15,875 | A08.0.625 | AHYF | 13,88 | 19,44 | 75,0  | 14,0 | 55,0 | 2 | ATKW | T15F | A08 | inch |
| 8,0 | 16,0   | A08.0016  | AAAV | 14,0  | 19,5  | 75,0  | 14,0 | 55,0 | 2 | ATKW | T15F | A08 |      |
| 8,0 | 19,05  | A08.0.750 | AAKN | 17,05 | 24,0  | 110,0 | 14,0 | 90,0 | 2 | ATKW | T15F | A08 | inch |
| 8,0 | 20,0   | A08.0020  | AD6N | 18,0  | 25,0  | 90,0  | 14,0 | 70,0 | 4 | ATKW | T15F | A08 | upd  |
| 8,0 | 25,0   | A08.0025  | AMAS | 23,0  | 25,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A08 | upd  |
| 8,0 | 25,4   | A08.1.000 | AAQJ | 23,4  | 25,4  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A08 | inch |

▼ ØD = 10,0 mm

|      |       |           |      |       |      |       |      |      |   |      |      |               |      |
|------|-------|-----------|------|-------|------|-------|------|------|---|------|------|---------------|------|
| 10,0 | 19,05 | A10.0.750 | AEJ2 | 17,05 | 24,0 | 110,0 | 14,0 | 90,0 | 2 | ATKW | T15F | A10.L   A10.R | inch |
| 10,0 | 20,0  | A10.0020  | AGQZ | 18,0  | 25,0 | 90,0  | 14,0 | 70,0 | 4 | ATKW | T15F | A10.L   A10.R | upd  |
| 10,0 | 25,0  | A10.0025  | ABB8 | 23,0  | 25,0 | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A10.L   A10.R | upd  |
| 10,0 | 25,4  | A10.1.000 | AHAY | 23,4  | 25,4 | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A10.L   A10.R | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table ▶

■ Bestellbeispiel // Order example: **A08.0016**

Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite 766.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page 766.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr.

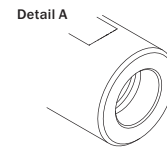
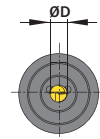
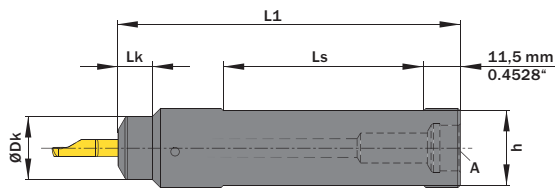
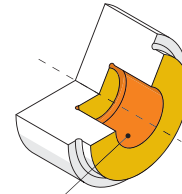
## Toolholder, Internal Applications, Round Shank

Round shank with through coolant.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/ Page 153)**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
**www.simtek.info/cp/747**Anschlussgewinde M12 x 1,5  
connection thread M12 x 1,5

- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A06.0028

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | ØDk | h  | L1 | LK | Ls | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br>www.simtek.com/code |
|----|------|------------------------------|-----------------------------------|-----|----|----|----|----|-------------------|------------------------------------|------------------------------------|
| mm | mm   |                              |                                   | mm  | mm | mm | mm | mm |                   |                                    |                                    |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

## ▼ ØD = 4,0 mm

|     |      |                 |      |      |      |       |      |      |      |      |                           |
|-----|------|-----------------|------|------|------|-------|------|------|------|------|---------------------------|
| 4,0 | 28,0 | <b>A04.0028</b> | AESG | 20,0 | 26,0 | 120,0 | 17,0 | 72,0 | ATKW | T15F | A04.L A04.R A04C.L A04C.R |
|-----|------|-----------------|------|------|------|-------|------|------|------|------|---------------------------|

## ▼ ØD = 5,0 mm

|     |      |                 |      |      |      |       |      |      |      |      |             |
|-----|------|-----------------|------|------|------|-------|------|------|------|------|-------------|
| 5,0 | 28,0 | <b>A05.0028</b> | AFTF | 20,0 | 26,0 | 120,0 | 12,0 | 72,0 | ATKW | T15F | A05.L A05.R |
|-----|------|-----------------|------|------|------|-------|------|------|------|------|-------------|

## ▼ ØD = 6,0 mm

|     |      |                 |      |      |      |       |      |      |      |      |             |
|-----|------|-----------------|------|------|------|-------|------|------|------|------|-------------|
| 6,0 | 28,0 | <b>A06.0028</b> | AEK4 | 22,0 | 26,0 | 120,0 | 12,0 | 72,0 | ATKW | T15F | A06.L A06.R |
|-----|------|-----------------|------|------|------|-------|------|------|------|------|-------------|

## ▼ ØD = 7,0 mm

|     |      |                 |      |      |      |       |      |      |      |      |             |
|-----|------|-----------------|------|------|------|-------|------|------|------|------|-------------|
| 7,0 | 28,0 | <b>A07.0028</b> | ADXC | 22,0 | 26,0 | 120,0 | 12,0 | 72,0 | ATKW | T15F | A07.L A07.R |
|-----|------|-----------------|------|------|------|-------|------|------|------|------|-------------|

Bestellbeispiel // Order example: **A06.0028**

Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A04.

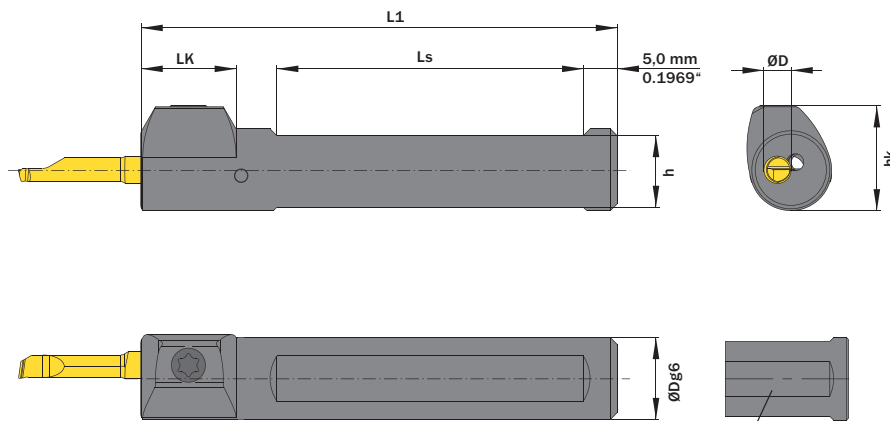
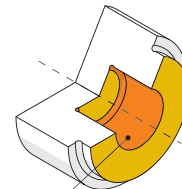
## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A04.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1004](http://www.simtek.info/cp/1004)A...0020 / A...0022  
4 Spannflächen // 4 Flats

- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A04.0012.NC R

| ØD  | ØDg6   | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h     | hk    | L1    | LK   | Ls   | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/ccode">www.simtek.com/ccode</a> |
|-----|--------|------------------------------|-------------------------------------------------------------------------------|-------|-------|-------|------|------|----------------------------------------|-------------------|------------------------------------|-------------------------------------------------------------------------------|
| mm  | mm     |                              |                                                                               | mm    | mm    | mm    | mm   | mm   |                                        |                   |                                    |                                                                               |
| 4,0 | 10,0   | <b>A04.0010.NC R/L</b>       | R AWBQ L AWBP                                                                 | 8,5   | 13,75 | 65,0  | 14,0 | 40,0 | 2                                      | ATKW              | T15F                               | R A04C.R L A04C.L                                                             |
| 4,0 | 12,0   | <b>A04.0012.NC R/L</b>       | R AWBT L AWBS                                                                 | 10,5  | 15,25 | 70,0  | 14,0 | 45,0 | 2                                      | ATKW              | T15F                               | R A04C.R L A04C.L                                                             |
| 4,0 | 12,7   | <b>A04.0.500.NC R/L</b>      | R AWB3 L AWB2                                                                 | 11,2  | 15,6  | 70,0  | 14,0 | 45,0 | 2                                      | ATKW              | T15F                               | R A04C.R L A04C.L                                                             |
| 4,0 | 15,875 | <b>A04.0.625.NC R/L</b>      | R AWB5 L AWB4                                                                 | 13,88 | 17,14 | 75,0  | 14,0 | 55,0 | 2                                      | ATKW              | T15F                               | R A04C.R L A04C.L                                                             |
| 4,0 | 16,0   | <b>A04.0016.NC R/L</b>       | R AWBV L AWBU                                                                 | 14,0  | 17,2  | 75,0  | 14,0 | 55,0 | 2                                      | ATKW              | T15F                               | R A04C.R L A04C.L                                                             |
| 4,0 | 19,05  | <b>A04.0.750.NC R/L</b>      | R AWB1 L AWB0                                                                 | 17,05 | 21,0  | 110,0 | 14,0 | 90,0 | 2                                      | ATKW              | T15F                               | R A04C.R L A04C.L                                                             |
| 4,0 | 20,0   | <b>A04.0020.NC R/L</b>       | R AWBX L AWBW                                                                 | 18,0  | 22,0  | 90,0  | 14,0 | 70,0 | 4                                      | ATKW              | T15F                               | R A04C.R L A04C.L                                                             |
| 4,0 | 22,0   | <b>A04.0022.NC R/L</b>       | R AWBZ L AWBY                                                                 | 20,0  | 22,0  | 110,0 | -    | 90,0 | 4                                      | ATKW              | T15F                               | R A04C.R L A04C.L                                                             |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued TableBestellbeispiel // Order example: **A04.0016.NC R** (R = Rechte Ausführung // Right hand version)Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.



# Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A04. Mit speziellen Kühlmittelauslässen für rechte und linke Schneidwerkzeuge.

## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A04. With special through coolant design for right and left hand inserts.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**



Legende  
Legend **155**

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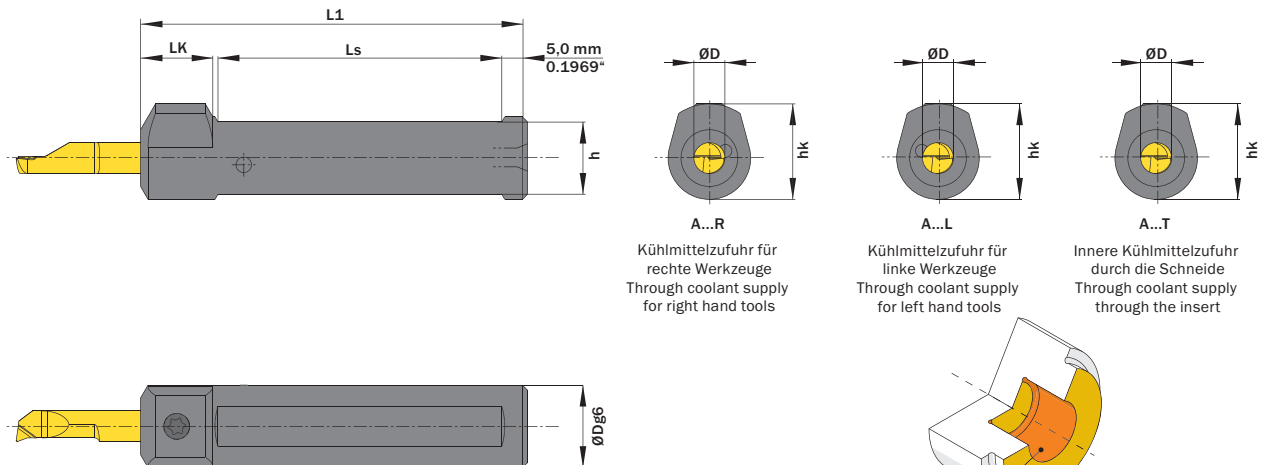
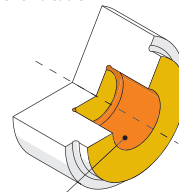


Abbildung zeigt / Drawing shows: A04.0012 R



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | hk | L1 | LK | Ls | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/ccode">www.simtek.com/ccode</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|----|----------------------------------------|-------------------|------------------------------------|-------------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm | mm | mm | mm |                                        |                   |                                    |                                                                               |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØD = 4,0 mm

|     |      |                     |               |     |      |      |      |      |   |      |      |                   |
|-----|------|---------------------|---------------|-----|------|------|------|------|---|------|------|-------------------|
| 4,0 | 10,0 | <b>A04.0010 R/L</b> | R AUSB L AUSC | 8,0 | 14,5 | 65,0 | 14,0 | 45,0 | 2 | ATKW | T15F | R A04.R L A04.L   |
| 4,0 | 10,0 | <b>A04.0010 T</b>   | AUSD          | 8,5 | 14,5 | 65,0 | 14,0 | 36,0 | 2 | ATKW | T15F | A04.L A04.R A04.T |

▼ ØD = 5,0 mm

|     |      |                     |               |     |      |      |      |      |   |      |      |                   |
|-----|------|---------------------|---------------|-----|------|------|------|------|---|------|------|-------------------|
| 5,0 | 10,0 | <b>A05.0010 R/L</b> | R AUS9 L AUTA | 8,0 | 15,0 | 65,0 | 14,0 | 45,0 | 2 | ATKW | T15F | R A05.R L A05.L   |
| 5,0 | 10,0 | <b>A05.0010 T</b>   | AUTB          | 8,5 | 15,0 | 65,0 | 14,0 | 36,0 | 2 | ATKW | T15F | A05.L A05.R A05.T |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A05.0010 R** (R = Rechte Ausführung // Right hand version)

Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A04.  
Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A04. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

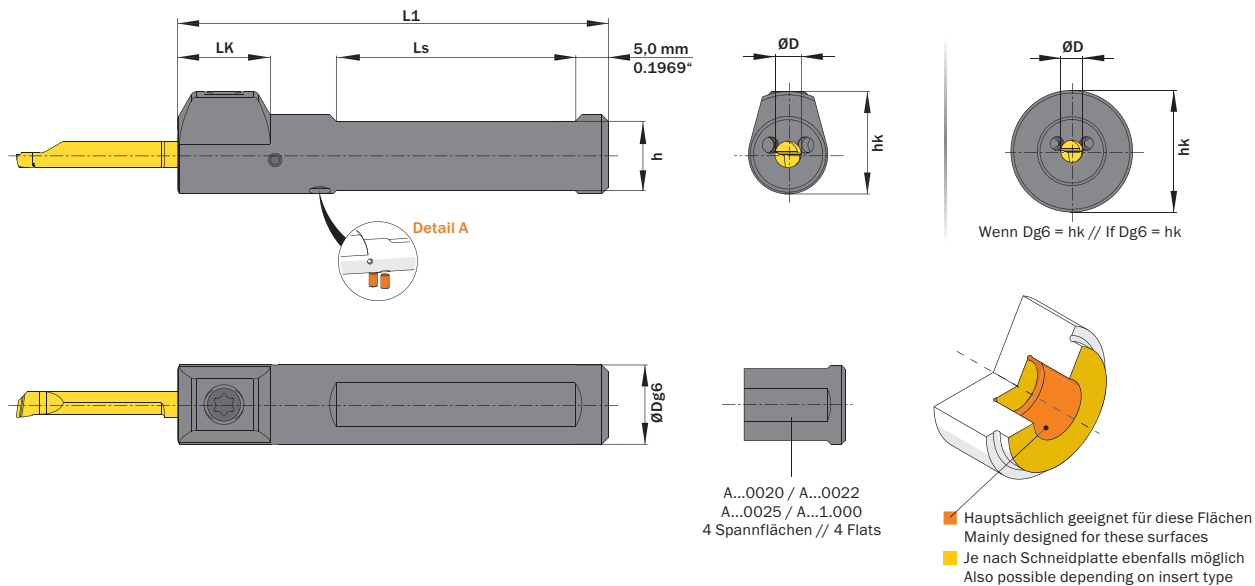
7,0 Nm

Bitte Hinweise im Anhang beachten // Please read add. notes

MASTER (Seite/Page 153)

Legende  
Legend

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[www.simtek.info/cp/1200](http://www.simtek.info/cp/1200)

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | h <sub>k</sub> | L1 | LK | Ls | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----------------|----|----|----|----------------------------------------|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm             | mm | mm | mm |                                        |                   |                                    |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|     |        |             |      |       |       |       |      |      |   |      |      |                                             |      |
|-----|--------|-------------|------|-------|-------|-------|------|------|---|------|------|---------------------------------------------|------|
| 4,0 | 12,0   | A04.0012 T  | AUQY | 10,5  | 15,5  | 70,0  | 14,0 | 41,0 | 2 | ATKW | T15F | A04.L   A04.R<br>A04.C.L   A04.C.R<br>A04.T | upd  |
| 4,0 | 12,7   | A04.0.500 T | A5H9 | 11,2  | 15,85 | 70,0  | 41,0 | 41,0 | 2 | ATKW | T15F |                                             | inch |
| 4,0 | 15,875 | A04.0.625 T | A5H7 | 13,88 | 17,44 | 75,0  | 14,0 | 46,0 | 2 | ATKW | T15F |                                             | upd  |
| 4,0 | 16,0   | A04.0016 T  | AUQ1 | 14,0  | 17,5  | 75,0  | 14,0 | 46,0 | 2 | ATKW | T15F |                                             | inch |
| 4,0 | 19,05  | A04.0.750 T | AUSA | 17,05 | 19,05 | 110,0 | -    | 81,0 | 2 | ATKW | T15F |                                             | upd  |
| 4,0 | 20,0   | A04.0020 T  | AUSP | 18,0  | 20,0  | 90,0  | -    | 61,0 | 4 | ATKW | T15F |                                             | upd  |
| 4,0 | 22,0   | A04.0022 T  | AUST | 20,0  | 22,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F |                                             | upd  |
| 4,0 | 25,0   | A04.0025 T  | AUSW | 23,0  | 25,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F |                                             | upd  |
| 4,0 | 25,4   | A04.1.000 T | AUSK | 23,39 | 25,4  | 110,0 | -    | 90,0 | 4 | ATKW | T15F |                                             | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.0016 T

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A05.  
Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A05. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

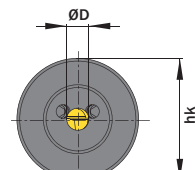
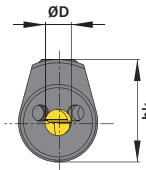
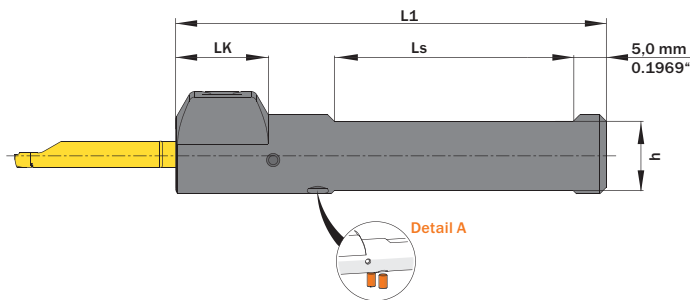
7,0 Nm

Bitte Hinweise im Anhang beachten // Please read add. notes

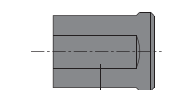
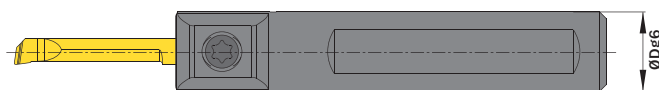
MASTER (Seite/Page 153)

Legende  
Legend

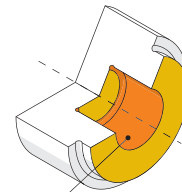
155

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Wenn Dg6 = hk // If Dg6 = hk



A...0020 / A...0022  
A...0025 / A...1.000  
4 Spannflächen // 4 Flats



■ Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces  
■ Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | hk | L1 | LK | Ls | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|----|----------------------------------------|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm | mm | mm | mm |                                        |                   |                                    |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|     |        |             |      |       |       |       |      |      |   |      |      |                  |             |
|-----|--------|-------------|------|-------|-------|-------|------|------|---|------|------|------------------|-------------|
| 5,0 | 12,0   | A05.0012 T  | AUSZ | 10,5  | 16,0  | 70,0  | 14,0 | 41,0 | 2 | ATKW | T15F | A05.L A05.R A05T |             |
| 5,0 | 12,7   | A05.0.500 T | AUS2 | 11,2  | 16,35 | 70,0  | 14,0 | 41,0 | 2 | ATKW | T15F | A05.L A05.R A05T | inch        |
| 5,0 | 15,875 | A05.0.625 T | AZMU | 13,88 | 17,94 | 75,0  | 14,0 | 46,0 | 2 | ATKW | T15F | A05.L A05.R A05T | inch        |
| 5,0 | 16,0   | A05.0016 T  | AUTE | 14,0  | 18,0  | 75,0  | 14,0 | 46,0 | 2 | ATKW | T15F | A05.L A05.R A05T |             |
| 5,0 | 19,05  | A05.0.750 T | AUS8 | 17,05 | 19,05 | 110,0 | -    | 81,0 | 2 | ATKW | T15F | A05.L A05.R A05T | inch        |
| 5,0 | 20,0   | A05.0020 T  | AUTQ | 18,0  | 20,0  | 90,0  | -    | 61,0 | 4 | ATKW | T15F | A05.L A05.R A05T | upd         |
| 5,0 | 22,0   | A05.0022 T  | AUTH | 20,0  | 22,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A05.L A05.R A05T | upd         |
| 5,0 | 25,0   | A05.0025 T  | AUTM | 23,0  | 25,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A05.L A05.R A05T | upd         |
| 5,0 | 25,4   | A05.1.000 T | AUTX | 23,4  | 25,4  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A05.L A05.R A05T | upd<br>inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A05.0016 T

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A06.  
Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

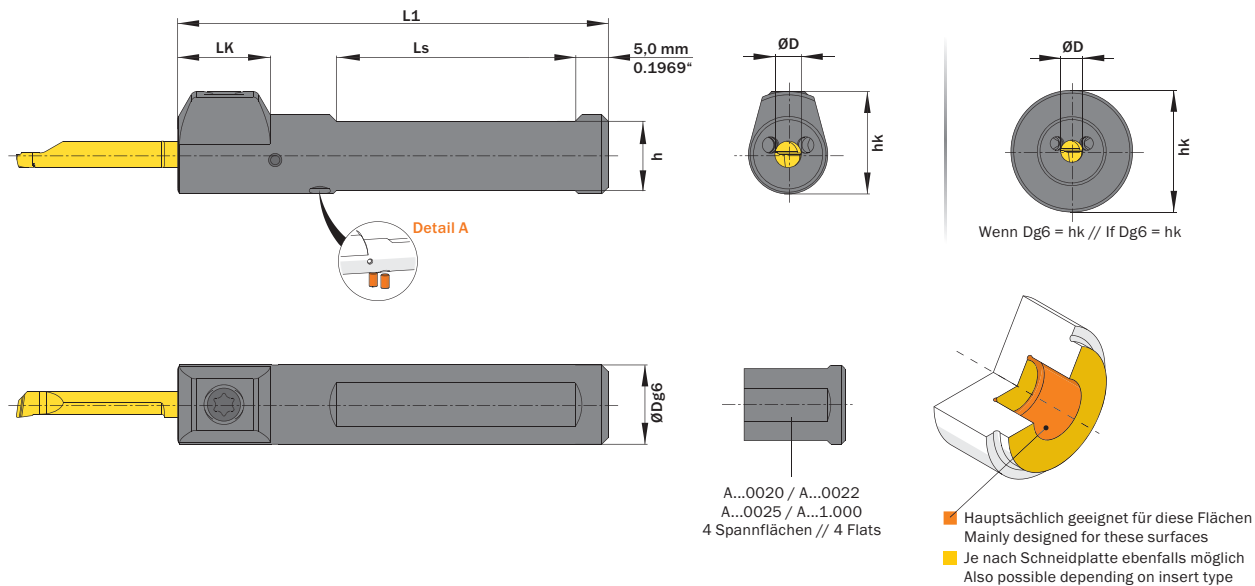
## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A06. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
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[www.simtek.info/cp/1202](http://www.simtek.info/cp/1202)

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | hk | L1 | LK | Ls | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/ccode">www.simtek.com/ccode</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|----|----------------------------------------|-------------------|------------------------------------|-------------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm | mm | mm | mm |                                        |                   |                                    |                                                                               |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

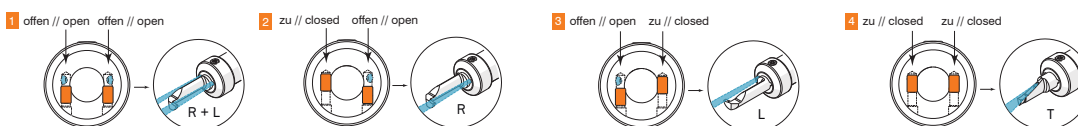
|     |        |                    |      |       |       |       |      |      |   |      |      |                  |          |
|-----|--------|--------------------|------|-------|-------|-------|------|------|---|------|------|------------------|----------|
| 6,0 | 12,0   | <b>A06.0012 T</b>  | AUT9 | 10,5  | 16,5  | 70,0  | 14,0 | 41,0 | 2 | ATKW | T15F | A06.L A06.R A06T |          |
| 6,0 | 15,875 | <b>A06.0.625 T</b> | AUT0 | 13,88 | 18,44 | 75,0  | 14,0 | 46,0 | 2 | ATKW | T15F | A06.L A06.R A06T | inch     |
| 6,0 | 16,0   | <b>A06.0016 T</b>  | AUUC | 14,0  | 18,5  | 75,0  | 14,0 | 46,0 | 2 | ATKW | T15F | A06.L A06.R A06T |          |
| 6,0 | 19,05  | <b>A06.0.750 T</b> | AUT6 | 17,05 | 19,05 | 110,0 | 14,0 | 81,0 | 2 | ATKW | T15F | A06.L A06.R A06T | inch     |
| 6,0 | 20,0   | <b>A06.0020 T</b>  | AUUN | 18,0  | 20,0  | 90,0  | 14,0 | 61,0 | 4 | ATKW | T15F | A06.L A06.R A06T | upd      |
| 6,0 | 22,0   | <b>A06.0022 T</b>  | AUUF | 20,0  | 22,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A06.L A06.R A06T | upd      |
| 6,0 | 25,0   | <b>A06.0025 T</b>  | AUUJ | 23,0  | 25,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A06.L A06.R A06T | upd      |
| 6,0 | 25,4   | <b>A06.1.000 T</b> | AUUV | 23,4  | 25,4  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A06.L A06.R A06T | upd inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A06.0020 T**

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

# Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A07.  
Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A07. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**

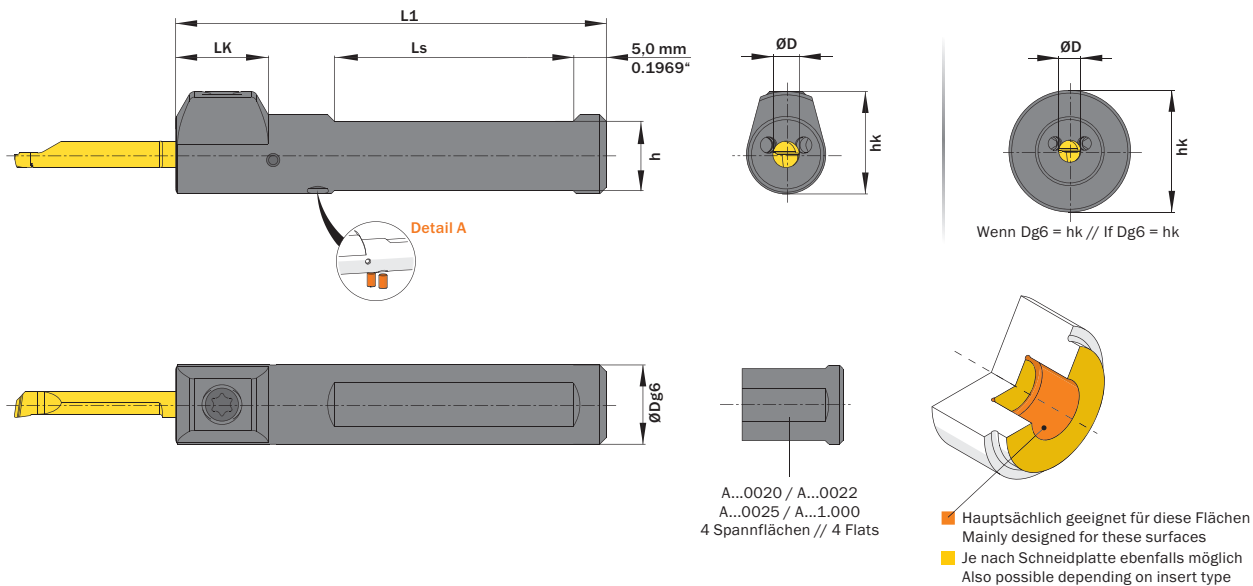


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**155**

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| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | hk | L1 | LK | Ls | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/ccode">www.simtek.com/ccode</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|----|----------------------------------------|-------------------|------------------------------------|-------------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm | mm | mm | mm |                                        |                   |                                    |                                                                               |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|     |        |                    |      |       |       |       |      |      |   |      |      |                |             |
|-----|--------|--------------------|------|-------|-------|-------|------|------|---|------|------|----------------|-------------|
| 7,0 | 15,875 | <b>A07.0.625 T</b> | AUU1 | 13,88 | 18,94 | 75,0  | 14,0 | 46,0 | 2 | ATKW | T15F | A07L A07R A07T | inch        |
| 7,0 | 16,0   | <b>A07.0016 T</b>  | AUU4 | 14,0  | 19,0  | 75,0  | 14,0 | 46,0 | 2 | ATKW | T15F | A07L A07R A07T |             |
| 7,0 | 19,05  | <b>A07.0.750 T</b> | AUUY | 17,05 | 21,0  | 110,0 | 14,0 | 81,0 | 2 | ATKW | T15F | A07L A07R A07T | inch        |
| 7,0 | 20,0   | <b>A07.0020 T</b>  | AUVD | 18,0  | 22,0  | 90,0  | 14,0 | 61,0 | 4 | ATKW | T15F | A07L A07R A07T | upd         |
| 7,0 | 22,0   | <b>A07.0022 T</b>  | AUU7 | 20,0  | 22,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A07L A07R A07T |             |
| 7,0 | 25,0   | <b>A07.0025 T</b>  | AUVA | 23,0  | 25,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A07L A07R A07T |             |
| 7,0 | 25,4   | <b>A07.1.000 T</b> | AUVK | 23,4  | 25,4  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A07L A07R A07T | upd<br>inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A07.0016 T**

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A08.  
Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

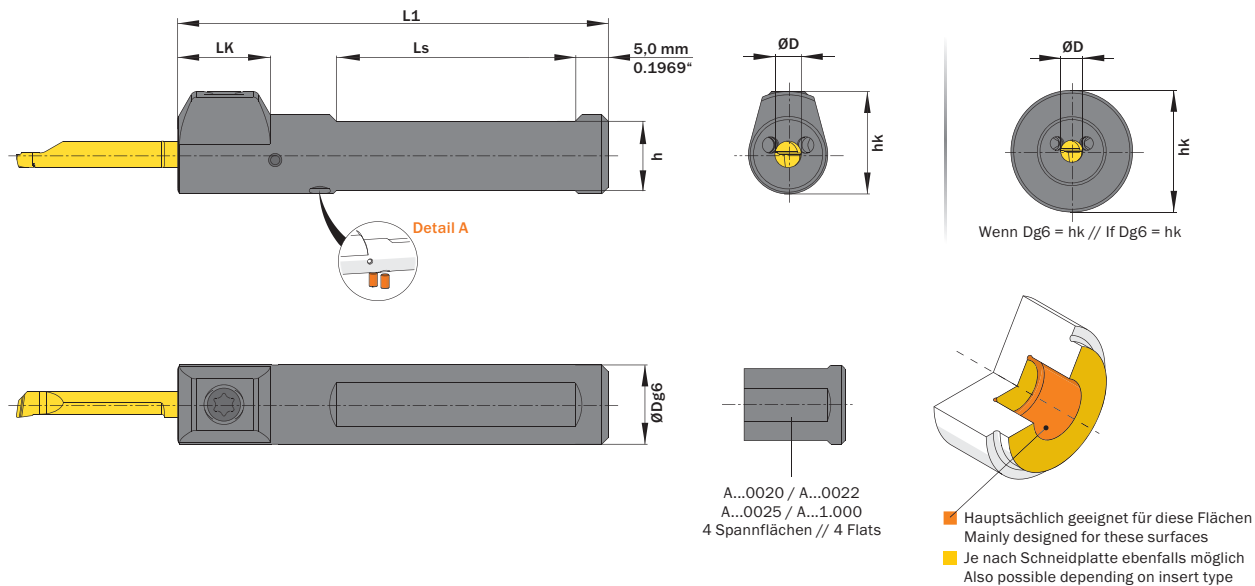
## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A08. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1204](http://www.simtek.info/cp/1204)

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | h <sub>k</sub> | L1 | LK | Ls | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----------------|----|----|----|----------------------------------------|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm             | mm | mm | mm |                                        |                   |                                    |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

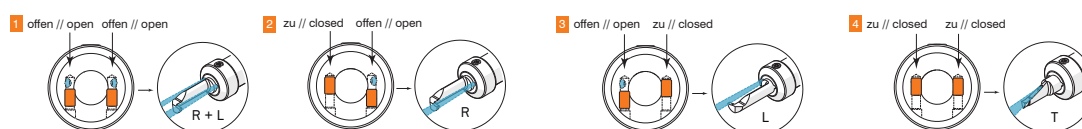
|     |        |                    |      |       |       |       |      |      |   |      |      |          |      |
|-----|--------|--------------------|------|-------|-------|-------|------|------|---|------|------|----------|------|
| 8,0 | 15,875 | <b>A08.0.625 T</b> | AUVP | 13,88 | 19,44 | 75,0  | 14,0 | 46,0 | 2 | ATKW | T15F | A08 A08T | inch |
| 8,0 | 16,0   | <b>A08.0016 T</b>  | AUVW | 14,0  | 19,5  | 75,0  | 14,0 | 46,0 | 2 | ATKW | T15F | A08 A08T |      |
| 8,0 | 19,05  | <b>A08.0.750 T</b> | AUVT | 17,05 | 24,0  | 110,0 | 14,0 | 81,0 | 2 | ATKW | T15F | A08 A08T | inch |
| 8,0 | 20,0   | <b>A08.0020 T</b>  | AUV2 | 18,0  | 25,0  | 90,0  | 14,0 | 61,0 | 4 | ATKW | T15F | A08 A08T | upd  |
| 8,0 | 22,0   | <b>A08.0022 T</b>  | AØYF | 20,0  | 22,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A08 A08T |      |
| 8,0 | 25,0   | <b>A08.0025 T</b>  | AUVZ | 23,0  | 25,0  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A08 A08T | upd  |
| 8,0 | 25,4   | <b>A08.1.000 T</b> | AUV5 | 23,4  | 25,4  | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A08 A08T | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A08.0016 T**

**Detail A** | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft mit innerer Kühlmittelzufuhr für die Größe A10.  
Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

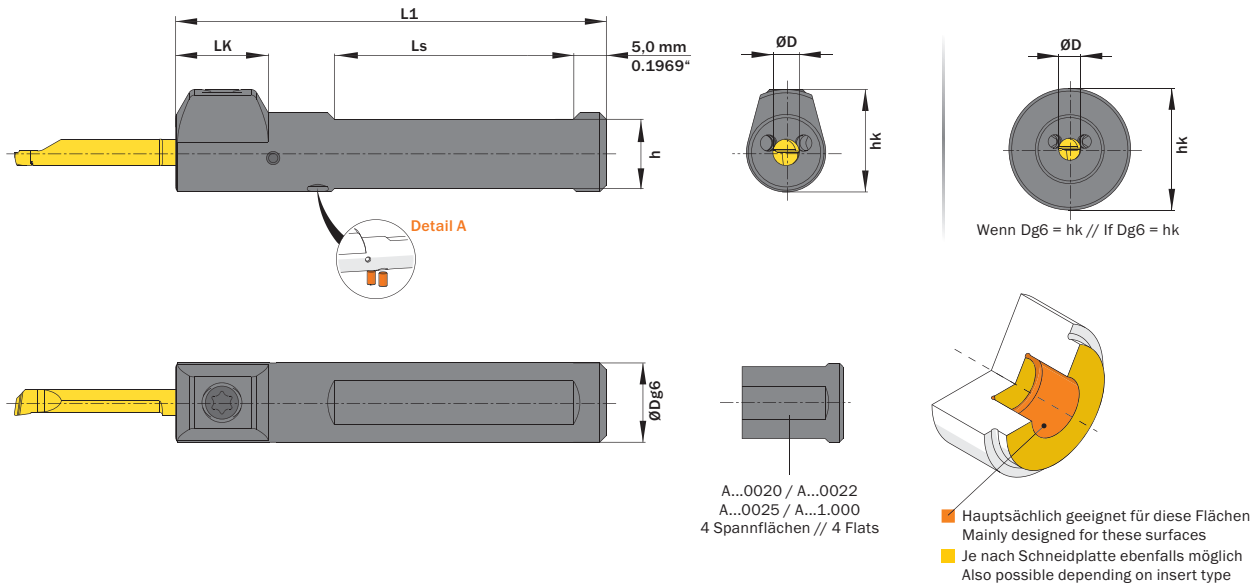
## Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A10. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1205](http://www.simtek.info/cp/1205)

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h  | hk | L1 | LK | Ls | Anzahl Spannflächen<br>Number of flats | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/ccode">www.simtek.com/ccode</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|----|----------------------------------------|-------------------|------------------------------------|-------------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm | mm | mm | mm | mm |                                        |                   |                                    |                                                                               |

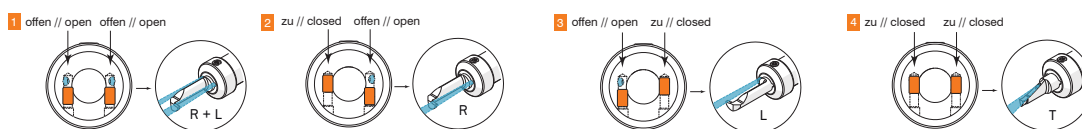
Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|      |       |                    |      |       |      |       |      |      |   |      |      |                  |             |
|------|-------|--------------------|------|-------|------|-------|------|------|---|------|------|------------------|-------------|
| 10,0 | 19,05 | <b>A10.0.750 T</b> | AUV8 | 17,05 | 24,0 | 110,0 | 14,0 | 81,0 | 2 | ATKW | T15F | A10.L A10.R A10T | inch<br>upd |
| 10,0 | 20,0  | <b>A10.0020 T</b>  | AUWB | 18,0  | 25,0 | 90,0  | 14,0 | 61,0 | 4 | ATKW | T15F | A10.L A10.R A10T |             |
| 10,0 | 22,0  | <b>A10.0022 T</b>  | AØ74 | 20,94 | 25,0 | 110,0 | 14,0 | 90,0 | 4 | ATKW | T15F | A10.L A10.R A10T |             |
| 10,0 | 25,0  | <b>A10.0025 T</b>  | AUWE | 23,0  | 25,0 | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A10.L A10.R A10T |             |
| 10,0 | 25,4  | <b>A10.1.000 T</b> | AUWH | 23,4  | 25,4 | 110,0 | -    | 90,0 | 4 | ATKW | T15F | A10.L A10.R A10T | upd<br>inch |

Bestellbeispiel // Order example: **A10.0020 T**

**Detail A** | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.



# Klemmhalter, Innenbearbeitung, Rundschaft, „ME“

Rundschaft aus Hartmetall, besonders geeignet zur Erhöhung der möglichen Auskragung mit unserem innovativen ME-Spannprinzip. Das ME-Spannsystem bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität.

## Toolholder, Internal Applications, Round Shank „ME“

Carbide round shank, suitable for extending the overall tool reach equipped with our innovative ME-clamping system. The ME-system provides form-fit clamping along with higher precision and stability.

Anzugsmoment (Schraube) // Tightening torque (screw)

**10,0 Nm - 15,0 Nm**

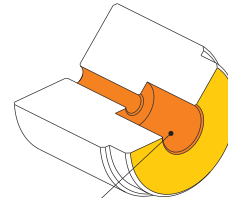
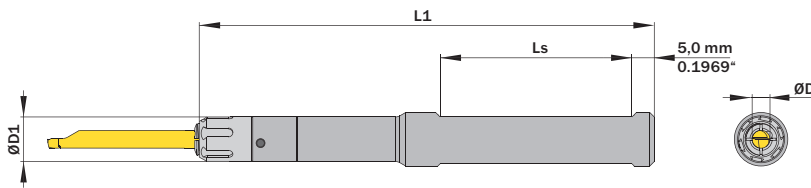
Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
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Entdecken Sie unsere  
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Discover our simturn AX  
toolholder „ME“.



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A04.0012.10.42.ME HM R

| ØD  | ØDg6 | ØD1  | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | L1    | LK   | Ls   | Standard Mutter<br>Standard screw nut | Schlüssel<br>Key | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|------|------|------------------------------|-------------------------------------------------------------------------------|-------|------|------|---------------------------------------|------------------|-----------------------------------------------------------------------------|
| mm  | mm   | mm   |                              |                                                                               | mm    | mm   | mm   |                                       |                  |                                                                             |
| 4,0 | 12,0 | 10,0 | A04.0012.10.42.ME HM R/L     | R AZEE L AZED                                                                 | 103,0 | 45,0 | 48,5 | A26C                                  | A26F             | R A04.R   A04C.R<br>L A04.L   A04C.L                                        |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A04.0012.10.42.ME HM R** (R = Rechte Ausführung // Right hand version)

Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

**Kleinteilebearbeitung // Small Part Machining**

simturn AX &gt; Trägerwerkzeug // Toolholder

**Klemmhalter, Innenbearbeitung,  
Rundschaft, „ME“**

Rundschaft aus Hartmetall, besonders geeignet zur Erhöhung der möglichen Auskragung mit unserem innovativen ME-Spannprinzip. Das ME-System bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität. Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

**Toolholder, Internal Applications,  
Round Shank „ME“**

Carbide round shank, suitable for extending the overall tool reach equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.



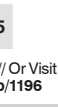
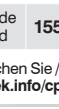
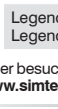
Anzugsmoment (Schraube) // Tightening torque (screw)

**10,0 Nm - 15,0 Nm**

Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1196](http://www.simtek.info/cp/1196)

Entdecken Sie unsere  
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toolholder „ME“.

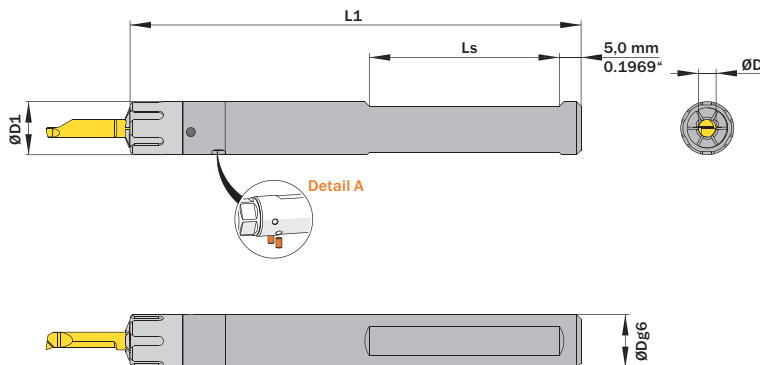
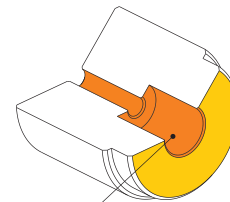


Abbildung zeigt / Drawing shows: A04.0012.12.42 ME HM T



- Hauprsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDg6 | ØD1 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | L1 | Ls | Standard Mutter<br>Standard screw nut | Schlüssel<br>Key | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|-----|------------------------------|-------------------------------------------------------------------------------|----|----|---------------------------------------|------------------|-----------------------------------------------------------------------------|
| mm | mm   | mm  |                              |                                                                               | mm | mm |                                       |                  |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

## ▼ ØD = 4,0 mm

|     |      |      |                                |      |       |      |      |      |                    |
|-----|------|------|--------------------------------|------|-------|------|------|------|--------------------|
| 4,0 | 12,0 | 12,0 | <b>A04.0012.12.42.ME HM T</b>  | AY69 | 103,0 | 43,0 | A26D | A26G | A04.L A04.R A04C.L |
| 4,0 | 12,7 | 12,7 | <b>A04.0.500.12.42.ME HM T</b> | A09E | 103,0 | 43,0 | A26D | A26G | A04C.R A04T        |

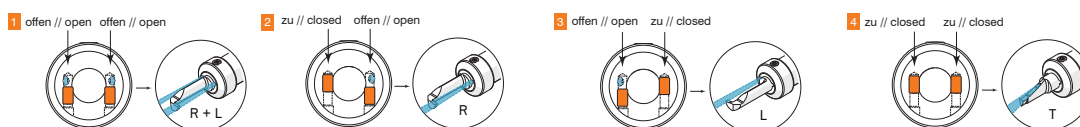
## ▼ ØD = 5,0 mm

|     |      |      |                                |      |       |      |      |      |                  |
|-----|------|------|--------------------------------|------|-------|------|------|------|------------------|
| 5,0 | 12,0 | 12,0 | <b>A05.0012.12.42.ME HM T</b>  | AY7E | 108,0 | 43,0 | A26D | A26G | A05.L A05.R A05T |
| 5,0 | 12,7 | 12,7 | <b>A05.0.500.12.42.ME HM T</b> | A09F | 108,0 | 43,0 | A26D | A26G | A05.L A05.R A05T |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A05.0012.12.42.ME HM T**

**Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply**

Eine Umschlüsselungliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

# Klemmhalter, Innenbearbeitung, Rundschaft, „ME“

Rundschaft aus Hartmetall, besonders geeignet zur Erhöhung der möglichen Auskragung mit unserem innovativen ME-Spannprinzip. Das ME-Spannsystem bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität. Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

## Toolholder, Internal Applications, Round Shank „ME“

Carbide round shank, suitable for extending the overall tool reach equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

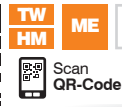
Anzugsmoment (Schraube) // Tightening torque (screw)

**10,0 Nm - 15,0 Nm**

Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend **155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1218](http://www.simtek.info/cp/1218)

Entdecken Sie unsere  
simturn AX Halter „ME“.  
Discover our simturn AX  
toolholder „ME“.

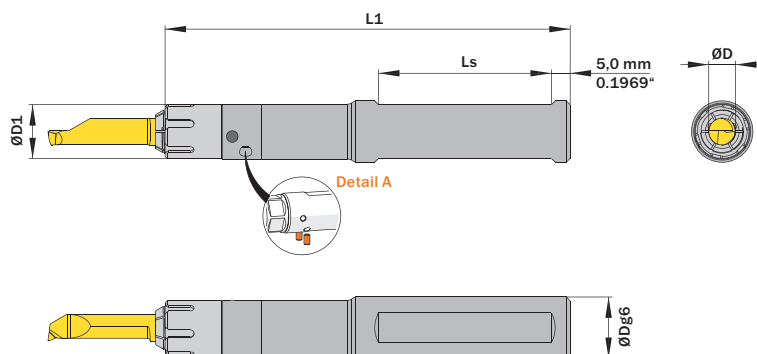
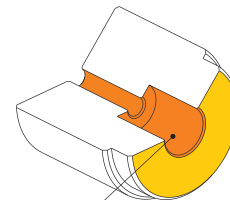


Abbildung zeigt / Drawing shows: A07.0016.14.50.ME HM T



- Hauprsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDg6 | ØD1 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | L1 | Ls | Standard Mutter<br>Standard screw nut | Schlüssel<br>Key | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|-----|------------------------------|-------------------------------------------------------------------------------|----|----|---------------------------------------|------------------|-----------------------------------------------------------------------------|
| mm | mm   | mm  |                              |                                                                               | mm | mm |                                       |                  |                                                                             |

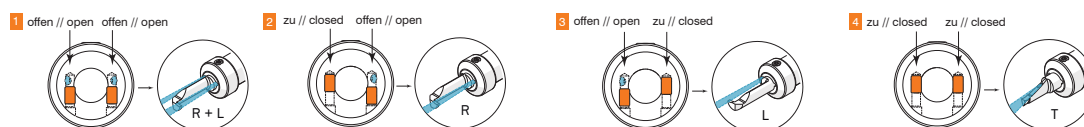
Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|               |      |      |                        |      |       |      |      |      |                      |
|---------------|------|------|------------------------|------|-------|------|------|------|----------------------|
| ▼ ØD = 6,0 mm |      |      |                        |      |       |      |      |      |                      |
| 6,0           | 16,0 | 14,0 | A06.0016.14.50.ME HM T | AZE6 | 108,0 | 45,0 | A26E | A26H | A06.L   A06.R   A06T |
| ▼ ØD = 7,0 mm |      |      |                        |      |       |      |      |      |                      |
| 7,0           | 16,0 | 14,0 | A07.0016.14.50.ME HM T | AZE7 | 108,0 | 45,0 | A26E | A26H | A07.L   A07.R   A07T |

Bestellbeispiel // Order example: **A06.0016.14.50.ME HM T**

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

## Klemmhalter, Innenbearbeitung, Rundschaft, „ME“

Rundschaft aus Stahl, mit unserem innovativen ME-Spannprinzip. Das ME-Spannprinzip bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität. Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

## Toolholder, Internal Applications, Round Shank „ME“

Steel round shank, equipped with our innovative ME-clamping system. The ME-clamping system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**Legende  
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Entdecken Sie unsere  
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Discover our simturn AX  
toolholder „ME“.

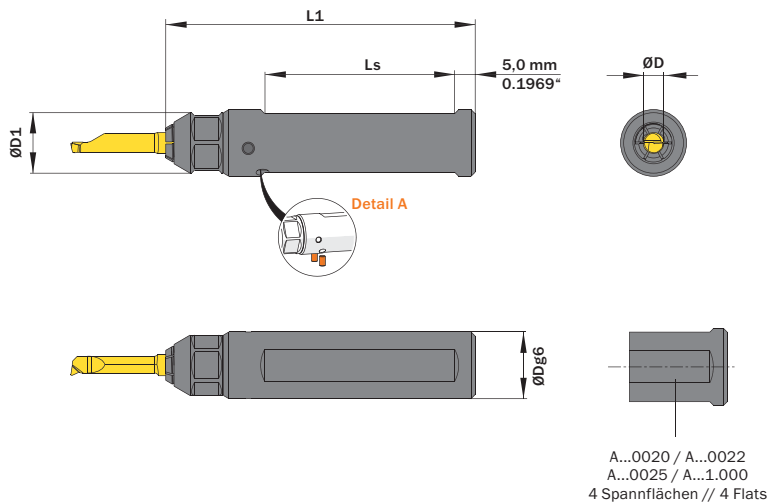
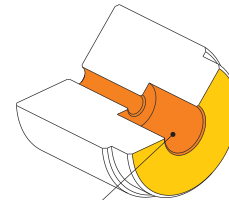


Abbildung zeigt / Drawing shows: A04.0016.ME ST T



- Hauptsächlich geeignet für diese Flächen**  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich**  
Also possible depending on insert type

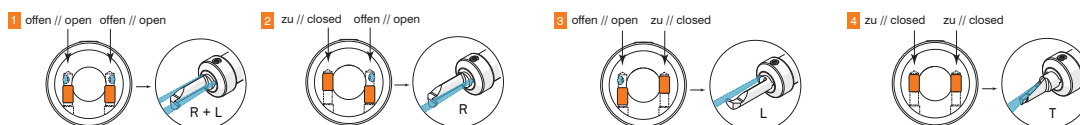
| ØD  | ØDg6   | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1  | L1    | Ls   | Anzahl Spannflächen<br>Number of flats | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|--------|------------------------------|-------------------------------------------------------------------------------|------|-------|------|----------------------------------------|---------------------------------------|-----------------------------------------------------------------------------|
| mm  | mm     |                              |                                                                               | mm   | mm    | mm   |                                        |                                       |                                                                             |
| 4,0 | 12,0   | A04.0012.ME ST T             | AY7A                                                                          | 14,5 | 70,0  | 42,0 | 2                                      | AYV8                                  | A04.L A04.R A04C.L<br>A04C.R A04T                                           |
| 4,0 | 12,7   | A04.0.500.ME ST T            | A0YH                                                                          | 14,5 | 70,0  | 42,0 | 2                                      | AYV8                                  |                                                                             |
| 4,0 | 15,875 | A04.0.625.ME ST T            | AZN2                                                                          | 14,5 | 75,0  | 47,0 | 2                                      | AYV8                                  |                                                                             |
| 4,0 | 16,0   | A04.0016.ME ST T             | AY7B                                                                          | 14,5 | 75,0  | 47,0 | 2                                      | AYV8                                  |                                                                             |
| 4,0 | 19,05  | A04.0.750.ME ST T            | AZNH                                                                          | 14,5 | 110,0 | 78,0 | 2                                      | AYV8                                  |                                                                             |
| 4,0 | 20,0   | A04.0020.ME ST T             | AY7C                                                                          | 14,5 | 90,0  | 58,0 | 4                                      | AYV8                                  |                                                                             |
| 4,0 | 22,0   | A04.0022.ME ST T             | AZJ1                                                                          | 14,5 | 110,0 | 80,0 | 4                                      | AYV8                                  |                                                                             |
| 4,0 | 23,0   | A04.0023.ME ST T             | AZJ2                                                                          | 14,5 | 110,0 | 80,0 | 2                                      | AYV8                                  |                                                                             |
| 4,0 | 25,0   | A04.0025.ME ST T             | AY7D                                                                          | 14,5 | 110,0 | 80,0 | 4                                      | AYV8                                  |                                                                             |
| 4,0 | 25,4   | A04.1.000.ME ST T            | A0YY                                                                          | 14,5 | 110,0 | 80,0 | 4                                      | AYV8                                  |                                                                             |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A04.0016.ME ST T**

**Detail A** | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite 766.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page 766.

Klemmhalter, Innenbearbeitung,  
Rundschaft, „ME“

Rundschaft aus Stahl, mit unserem innovativen ME-Spannprinzip. Das ME-Spannsystem bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität. Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

Toolholder, Internal Applications,  
Round Shank, „ME“

Steel round shank, equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**Legende  
Legend**155**Scan  
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toolholder „ME“.

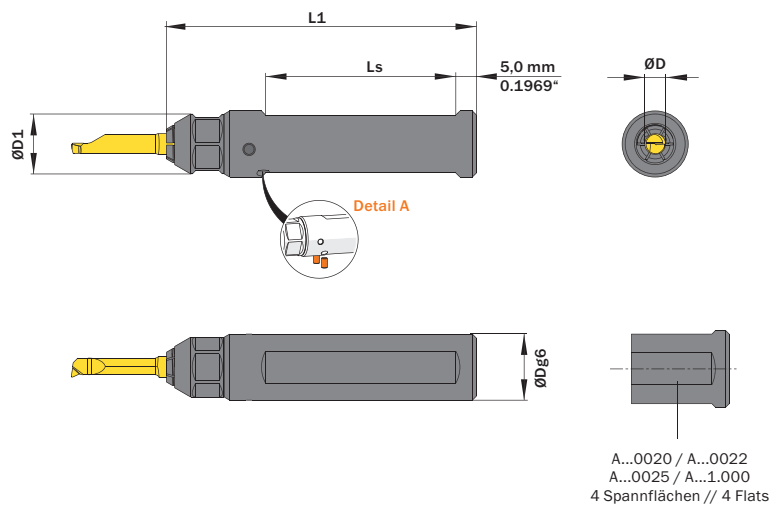
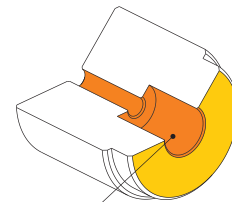


Abbildung zeigt / Drawing shows: A05.0016.ME ST T



- ✓ Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1 | L1 | Ls | Anzahl Spannflächen<br>Number of flats | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|-----|----|----|----------------------------------------|---------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm  | mm | mm |                                        |                                       |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

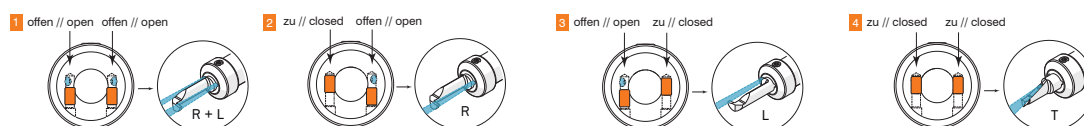
|     |        |                   |      |      |       |      |   |      |                  |     |
|-----|--------|-------------------|------|------|-------|------|---|------|------------------|-----|
| 5,0 | 12,0   | A05.0012.ME ST T  | AY7F | 14,5 | 70,0  | 41,0 | 2 | AYV8 | A05.L A05.R A05T | upd |
| 5,0 | 12,7   | A05.0.500.ME ST T | A0YJ | 14,5 | 70,0  | 41,0 | 2 | AYV8 | A05.L A05.R A05T | upd |
| 5,0 | 15,875 | A05.0.625.ME ST T | AZN3 | 14,5 | 75,0  | 46,0 | 2 | AYV8 | A05.L A05.R A05T | upd |
| 5,0 | 16,0   | A05.0016.ME ST T  | AY7G | 14,5 | 75,0  | 46,0 | 2 | AYV8 | A05.L A05.R A05T | upd |
| 5,0 | 19,05  | A05.0.750.ME ST T | AZNJ | 14,5 | 110,0 | 78,0 | 2 | AYV8 | A05.L A05.R A05T | upd |
| 5,0 | 20,0   | A05.0020.ME ST T  | AY7H | 14,5 | 90,0  | 58,0 | 4 | AYV8 | A05.L A05.R A05T | upd |
| 5,0 | 22,0   | A05.0022.ME ST T  | AZJ3 | 14,5 | 110,0 | 79,0 | 4 | AYV8 | A05.L A05.R A05T | upd |
| 5,0 | 23,0   | A05.0023.ME ST T  | AZJ4 | 14,5 | 110,0 | 79,0 | 2 | AYV8 | A05.L A05.R A05T | upd |
| 5,0 | 25,0   | A05.0025.ME ST T  | AY7J | 14,5 | 110,0 | 79,0 | 4 | AYV8 | A05.L A05.R A05T | upd |
| 5,0 | 25,4   | A05.1.000.ME ST T | A0YZ | 14,5 | 110,0 | 79,0 | 4 | AYV8 | A05.L A05.R A05T | upd |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A05.0016.ME ST T**

**Detail A** | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
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# Klemmhalter, Innenbearbeitung, Rundschaft, „ME“

Rundschaft aus Stahl, mit unserem innovativen ME-Spannprinzip. Das ME-Spannsystem bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität. Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

## Toolholder, Internal Applications, Round Shank, „ME“

Steel round shank, equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

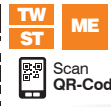
Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**Legende  
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toolholder „ME“.

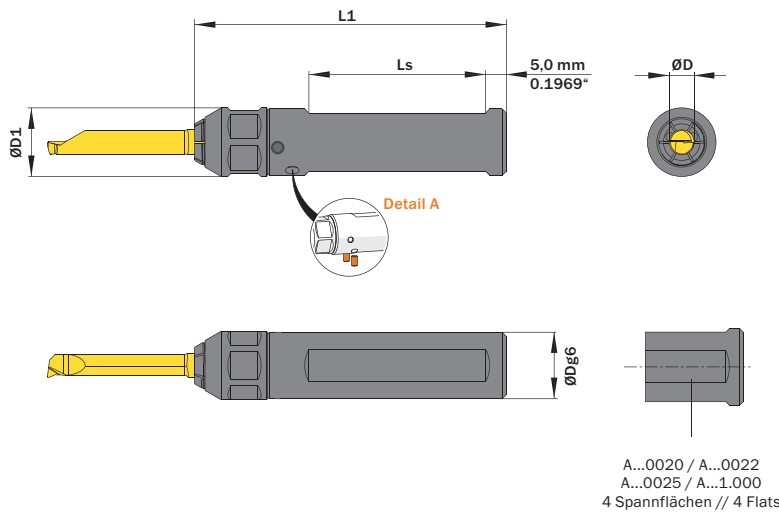
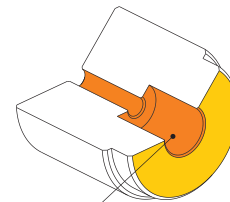


Abbildung zeigt / Drawing shows: A06.0016.ME ST T



- ✓ Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1 | L1 | Ls | Anzahl Spannflächen<br>Number of flats | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|-----|----|----|----------------------------------------|---------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm  | mm | mm |                                        |                                       |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

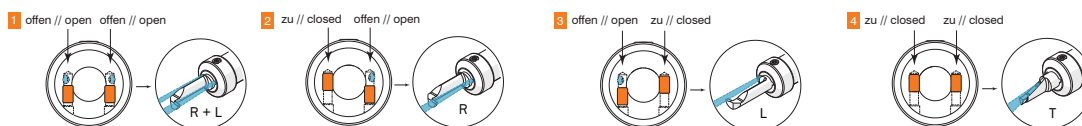
|     |        |                   |      |      |       |      |   |      |                  |      |
|-----|--------|-------------------|------|------|-------|------|---|------|------------------|------|
| 6,0 | 12,0   | A06.0012.ME ST T  | AZJ5 | 16,5 | 70,0  | 37,5 | 2 | AYXS | A06.L A06.R A06T | upd  |
| 6,0 | 12,7   | A06.0.500.ME ST T | A0YK | 16,5 | 70,0  | 37,5 | 2 | AYXS | A06.L A06.R A06T | upd  |
| 6,0 | 15,875 | A06.0.625.ME ST T | AZN4 | 16,5 | 75,0  | 42,5 | 2 | AYXS | A06.L A06.R A06T | inch |
| 6,0 | 16,0   | A06.0016.ME ST T  | AY7M | 16,5 | 75,0  | 42,5 | 2 | AYXS | A06.L A06.R A06T | upd  |
| 6,0 | 19,05  | A06.0.750.ME ST T | AZNK | 16,5 | 110,0 | 77,5 | 2 | AYXS | A06.L A06.R A06T | inch |
| 6,0 | 20,0   | A06.0020.ME ST T  | AY7N | 16,5 | 90,0  | 57,5 | 4 | AYXS | A06.L A06.R A06T | upd  |
| 6,0 | 22,0   | A06.0022.ME ST T  | AZJ6 | 16,5 | 110,0 | 77,5 | 4 | AYXS | A06.L A06.R A06T | upd  |
| 6,0 | 23,0   | A06.0023.ME ST T  | AZJ7 | 16,5 | 110,0 | 77,5 | 2 | AYXS | A06.L A06.R A06T | upd  |
| 6,0 | 25,0   | A06.0025.ME ST T  | AY7P | 16,5 | 110,0 | 77,5 | 4 | AYXS | A06.L A06.R A06T | upd  |
| 6,0 | 25,4   | A06.1.000.ME ST T | A0ZJ | 16,5 | 110,0 | 77,5 | 4 | AYXS | A06.L A06.R A06T | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A06.0016.ME ST T

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
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Klemmhalter, Innenbearbeitung,  
Rundschaft, „ME“

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Toolholder, Internal Applications,  
Round Shank, „ME“

Steel round shank, equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

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Discover our simturn AX  
toolholder „ME“.

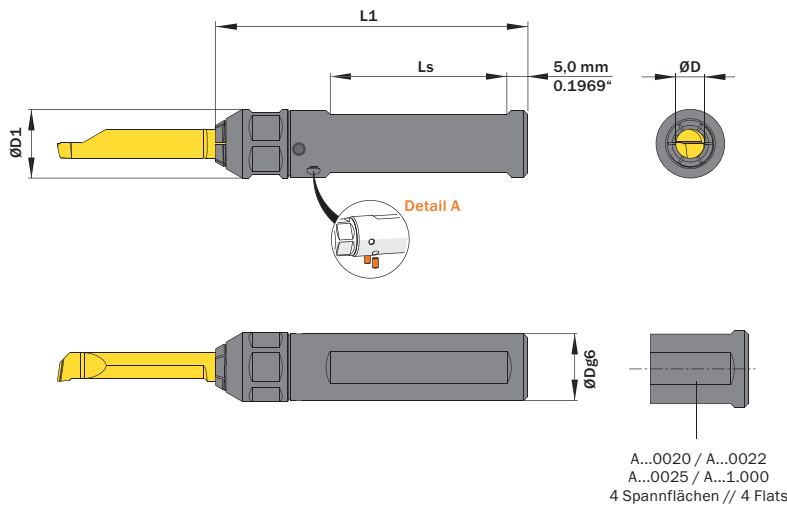
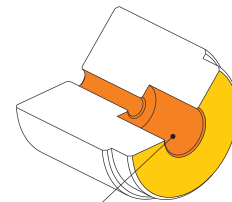


Abbildung zeigt / Drawing shows: A07.0016.ME ST T



- ✓ Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1 | L1 | Ls | Anzahl Spannflächen<br>Number of flats | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|-----|----|----|----------------------------------------|---------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm  | mm | mm |                                        |                                       |                                                                             |

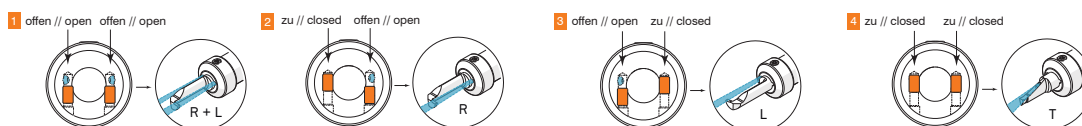
Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|     |        |                   |      |      |       |      |   |      |                  |             |
|-----|--------|-------------------|------|------|-------|------|---|------|------------------|-------------|
| 7,0 | 15,875 | A07.0.625.ME ST T | AZN5 | 16,5 | 75,0  | 42,5 | 2 | AYXS | A07.L A07.R A07T | upd<br>inch |
| 7,0 | 16,0   | A07.0016.ME ST T  | AY7Q | 16,5 | 75,0  | 42,5 | 2 | AYXS | A07.L A07.R A07T | upd         |
| 7,0 | 19,05  | A07.0.750.ME ST T | AZNM | 16,5 | 110,0 | 77,5 | 2 | AYXS | A07.L A07.R A07T | upd<br>inch |
| 7,0 | 20,0   | A07.0020.ME ST T  | AY7S | 16,5 | 90,0  | 57,5 | 4 | AYXS | A07.L A07.R A07T | upd         |
| 7,0 | 22,0   | A07.0022.ME ST T  | AZM0 | 16,5 | 110,0 | 78,0 | 4 | AYXS | A07.L A07.R A07T | upd         |
| 7,0 | 23,0   | A07.0023.ME ST T  | A011 | 16,5 | 110,0 | 78,0 | 2 | AYXS | A07.L A07.R A07T | upd         |
| 7,0 | 25,0   | A07.0025.ME ST T  | AY7T | 16,5 | 110,0 | 78,0 | 4 | AYXS | A07.L A07.R A07T | upd         |
| 7,0 | 25,4   | A07.1.000.ME ST T | A010 | 16,5 | 110,0 | 78,0 | 4 | AYXS | A07.L A07.R A07T | upd<br>inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A07.0016.ME ST T

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
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# Klemmhalter, Innenbearbeitung, Rundschaft, „ME“

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## Toolholder, Internal Applications, Round Shank, „ME“

Steel round shank, equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**TW  
ST

ME

Legende  
Legend**155**Scan  
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Discover our simturn AX  
toolholder „ME“.

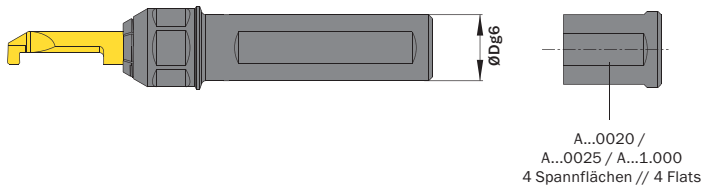
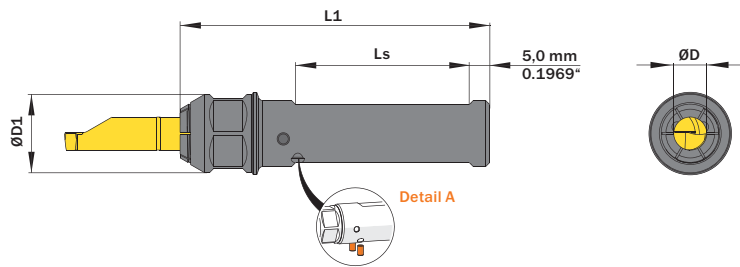
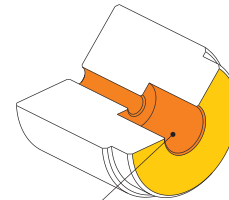


Abbildung zeigt / Drawing shows: A08.0016.ME ST T



- ✓ Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1 | L1 | Ls | Anzahl Spanflächen<br>Number of flats | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|-----|----|----|---------------------------------------|---------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm  | mm | mm |                                       |                                       |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

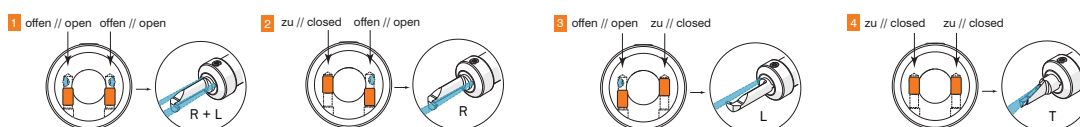
|     |        |                   |      |      |       |      |   |      |            |                     |
|-----|--------|-------------------|------|------|-------|------|---|------|------------|---------------------|
| 8,0 | 15,875 | A08.0.625.ME ST T | A012 | 19,0 | 75,0  | 42,0 | 2 | AZ4E | A08   A08T | <a href="#">upd</a> |
| 8,0 | 16,0   | A08.0016.ME ST T  | AY67 | 19,0 | 75,0  | 42,0 | 2 | AZ4E | A08   A08T | <a href="#">upd</a> |
| 8,0 | 19,05  | A08.0.750.ME ST T | A013 | 19,0 | 110,0 | 75,0 | 2 | AZ4E | A08   A08T | <a href="#">upd</a> |
| 8,0 | 20,0   | A08.0020.ME ST T  | AY7U | 19,0 | 90,0  | 55,0 | 4 | AZ4E | A08   A08T | <a href="#">upd</a> |
| 8,0 | 25,0   | A08.0025.ME ST T  | AY7V | 19,0 | 110,0 | 75,0 | 4 | AZ4E | A08   A08T | <a href="#">upd</a> |
| 8,0 | 25,4   | A08.1.000.ME ST T | A014 | 19,0 | 110,0 | 75,0 | 4 | AZ4E | A08   A08T | <a href="#">upd</a> |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A08.0016.ME ST T**

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



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Klemmhalter, Innenbearbeitung,  
Rundschaft, „ME“

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Toolholder, Internal Applications,  
Round Shank, „ME“

Steel round shank, equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

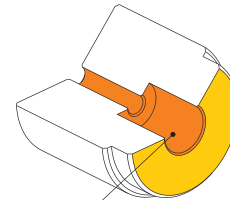
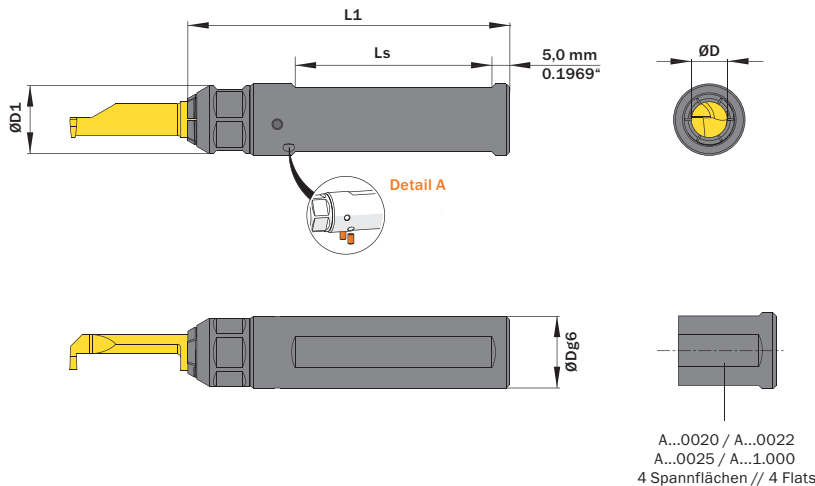
Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**Legende  
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[www.simtek.info/cp/1193](http://www.simtek.info/cp/1193)

Entdecken Sie unsere  
simturn AX Halter „ME“.  
Discover our simturn AX  
toolholder „ME“.



A...0020 / A...0022  
A...0025 / A...1.000  
4 Spannflächen // 4 Flats

- ✓ Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A10.0020.ME ST T

| ØD | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1 | L1 | Ls | Anzahl Spannflächen<br>Number of flats | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|-----|----|----|----------------------------------------|---------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm  | mm | mm |                                        |                                       |                                                                             |

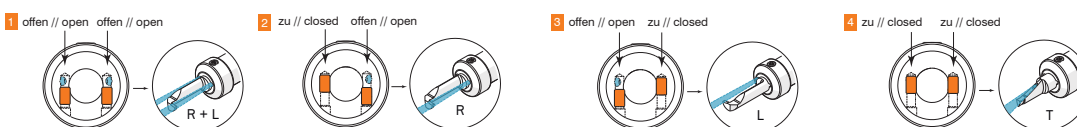
Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|      |       |                          |      |      |       |      |   |      |                  |                     |
|------|-------|--------------------------|------|------|-------|------|---|------|------------------|---------------------|
| 10,0 | 19,05 | <b>A10.0.750.ME ST T</b> | AZUE | 19,0 | 110,0 | 75,0 | 2 | AZ4E | A10.L A10.R A10T | <a href="#">upd</a> |
| 10,0 | 20,0  | <b>A10.0020.ME ST T</b>  | AY7W | 19,0 | 90,0  | 55,0 | 4 | AZ4E | A10.L A10.R A10T | <a href="#">upd</a> |
| 10,0 | 22,0  | <b>A10.0022.ME ST T</b>  | A667 | 19,0 | 110,0 | 75,0 | 4 | AZ4E | A10.L A10.R A10T | <b>new</b>          |
| 10,0 | 25,0  | <b>A10.0025.ME ST T</b>  | AY7X | 19,0 | 110,0 | 75,0 | 4 | AZ4E | A10.L A10.R A10T | <a href="#">upd</a> |
| 10,0 | 25,4  | <b>A10.1.000.ME ST T</b> | A015 | 19,0 | 110,0 | 75,0 | 4 | AZ4E | A10.L A10.R A10T | <a href="#">upd</a> |

Bestellbeispiel // Order example: **A10.0020.ME ST T**

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

## Klemmhalter, Innenbearbeitung, Rundschaft

Rundschaft aus Stahl. Dank ME-Spannsystem für kraftschlüssiges Spannen ist der innenliegende Schneideinsatz stabil und präzise stufenlos in der Länge verstellbar.

## Toolholder, Internal Applications, Round Shank

Steel round shank. Thanks to the ME-clamping system for force-fitted clamping, the internal cutting insert can be infinitely and precisely adjusted in length with great stability.

Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**



Legende  
Legend

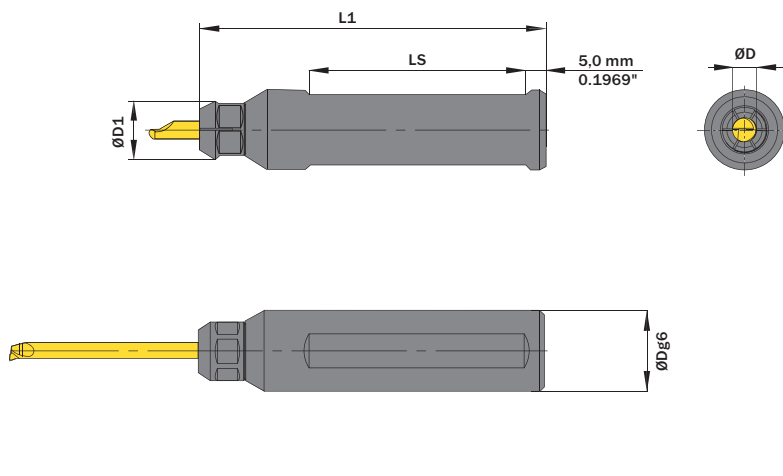
**155**

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Discover our simturn AX  
toolholder „ME“.

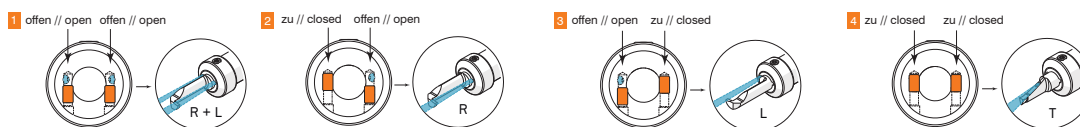


| ØD  | ØDg6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1  | L1   | Ls   | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|------|------------------------------|-------------------------------------------------------------------------------|------|------|------|---------------------------------------|-----------------------------------------------------------------------------|
| mm  | mm   |                              |                                                                               | mm   | mm   | mm   |                                       |                                                                             |
| 4,0 | 20,0 | A04.A.0020.ME ST             | BEAG                                                                          | 14,5 | 88,0 | 55,0 | AYV8                                  | A04.A <b>new</b>                                                            |

Bestellbeispiel // Order example: **A04.A.0020.ME ST**

Bitte beachten Sie, dass diese Werkzeuge ausschließlich mit Schneideinsätzen mit Connectcode A04.A verwendet werden können.  
Please note, that these tools can be used with inserts with Connectcode A04.A only.

### Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

## Klemmhalter, Innenbearbeitung

SIMTEK Trägerwerkzeug mit Polygonschaft aus Stahl nach ISO 26623 mit unserem innovativen ME-Spannprinzip. Das ME-Spannprinzip bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität. Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

## Toolholder, Internal Applications

SIMTEK toolholder with polygon shank according to ISO 26623 with our innovative ME-clamping-system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required. .

Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**Legende  
Legend**155**Scan  
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Entdecken Sie unsere  
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Discover our simturn AX  
toolholder „ME“.

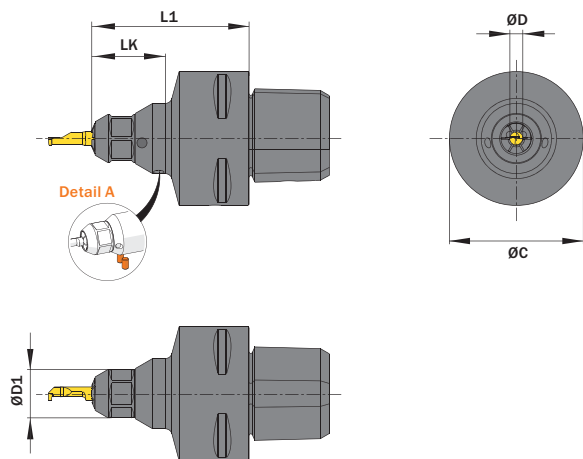
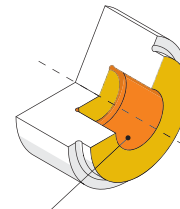


Abbildung zeigt / Drawing shows: A04.00C4.05.ME T



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| Polygonschaftgröße<br>Polygon shank size | ØD<br>mm | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1<br>mm | ØC<br>mm | L1<br>mm | LK<br>mm | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|------------------------------------------|----------|------------------------------|-------------------------------------------------------------------------------|-----------|----------|----------|----------|---------------------------------------|-----------------------------------------------------------------------------|
| ▼ ØD = 4,0 mm                            |          |                              |                                                                               |           |          |          |          |                                       |                                                                             |
| C3                                       | 4,0      | <b>A04.00C3.00.ME T</b>      | A2PJ                                                                          | 14,5      | 40,0     | 67,0     | 30,0     | AYV8                                  | A04.L A04.R A04C.L                                                          |
| C4                                       | 4,0      | <b>A04.00C4.00.ME T</b>      | AZFD                                                                          | 15,0      | 40,0     | 47,0     | 22,0     | AYV8                                  | A04C.R A04T                                                                 |
| ▼ ØD = 5,0 mm                            |          |                              |                                                                               |           |          |          |          |                                       |                                                                             |
| C3                                       | 5,0      | <b>A05.00C3.00.ME T</b>      | A2G0                                                                          | 14,5      | 40,0     | 67,0     | 30,0     | AYV8                                  | A05.L A05.R A05T                                                            |
| C4                                       | 5,0      | <b>A05.00C4.00.ME T</b>      | AZUW                                                                          | 15,0      | 40,0     | 47,0     | 23,5     | AYV8                                  | A05.L A05.R A05T                                                            |
| ▼ ØD = 6,0 mm                            |          |                              |                                                                               |           |          |          |          |                                       |                                                                             |
| C3                                       | 6,0      | <b>A06.00C3.00.ME T</b>      | A1QY                                                                          | 16,5      | 40,0     | 67,0     | 30,0     | AYXS                                  | A05.L A06.R A06T                                                            |
| C4                                       | 6,0      | <b>A06.00C4.00.ME T</b>      | A45B                                                                          | 16,5      | 40,0     | 47,0     | 30,0     | AYXS                                  | A06.L A06.R A06T                                                            |
| ▼ ØD = 8,0 mm                            |          |                              |                                                                               |           |          |          |          |                                       |                                                                             |
| C4                                       | 8,0      | <b>A08.00C4.00.ME T</b>      | A623                                                                          | 19,0      | 40,0     | 47,0     | 30,0     | AZ4E                                  | A08 A08T <b>new</b>                                                         |

■ Bestellbeispiel // Order example: **A04.00C4.00.ME T**

### Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

## Klemmhalter, Innenbearbeitung, VDI, „ME“

Klemmhalter VDI-Aufnahme, mit unserem innovativen ME-Spannprinzip. Das ME-Spannsystem bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität. Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

## Toolholder, Internal Applications, VDI, „ME“

Toolholder with VDI-Fixation, equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

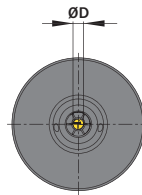
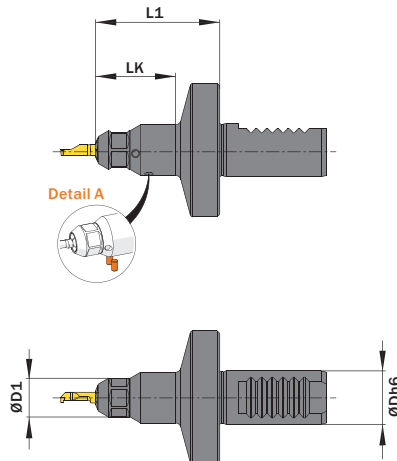
Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

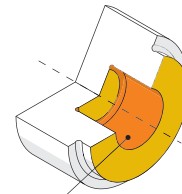
Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**Legende  
Legend**155**Scan  
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[www.simtek.info/cp/1224](http://www.simtek.info/cp/1224)

Entdecken Sie unsere  
simturn AX Halter „ME“.  
Discover our simturn AX  
toolholder „ME“.



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

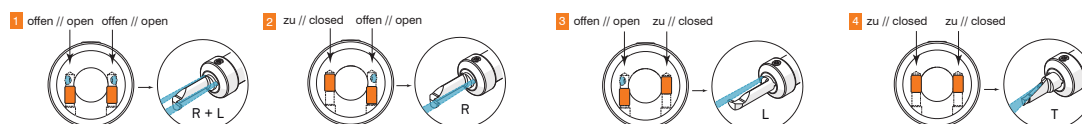
| ØD               | ØDh6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1  | L1   | LK   | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|------------------|------|------------------------------|-------------------------------------------------------------------------------|------|------|------|---------------------------------------|-----------------------------------------------------------------------------|
| mm               | mm   |                              |                                                                               | mm   | mm   | mm   |                                       |                                                                             |
| ▼ ØDh6 = 16,0 mm |      |                              |                                                                               |      |      |      |                                       |                                                                             |
| 4,0              | 16,0 | A04.VD16.ME T                | AZV2                                                                          | 14,5 | 41,5 | 30,0 | AYV8                                  | A04.L A04.R A04C.L A04C.R A04T                                              |
| 5,0              | 16,0 | A05.VD16.ME T                | AZV9                                                                          | 14,5 | 41,5 | 30,0 | AYV8                                  | A05.L A05.R A05T                                                            |
| 6,0              | 16,0 | A06.VD16.ME T                | AZWG                                                                          | 16,5 | 41,5 | 30,0 | AYXS                                  | A06.L A06.R A06T                                                            |
| ▼ ØDh6 = 20,0 mm |      |                              |                                                                               |      |      |      |                                       |                                                                             |
| 4,0              | 20,0 | A04.VD20.ME T                | AZV4                                                                          | 14,5 | 46,5 | 30,0 | AYV8                                  | A04.L A04.R A04C.L A04C.R A04T                                              |
| 5,0              | 20,0 | A05.VD20.ME T                | AZWA                                                                          | 14,5 | 46,5 | 30,0 | AYV8                                  | A05.L A05.R A05T                                                            |
| 6,0              | 20,0 | A06.VD20.ME T                | AZWJ                                                                          | 16,5 | 46,5 | 30,0 | AYXS                                  | A06.L A06.R A06T                                                            |
| ▼ ØDh6 = 25,0 mm |      |                              |                                                                               |      |      |      |                                       |                                                                             |
| 4,0              | 25,0 | A04.VD25.ME T                | AF3W                                                                          | 14,5 | 52,0 | 30,0 | AYV8                                  | A04.L A04.R A04C.L A04C.R A04T                                              |
| 5,0              | 25,0 | A05.VD25.ME T                | AZWC                                                                          | 14,5 | 52,0 | 30,0 | AYV8                                  | A05.L A05.R A05T                                                            |
| 6,0              | 25,0 | A06.VD25.ME T                | AJYQ                                                                          | 16,5 | 52,0 | 30,0 | AYXS                                  | A06.L A06.R A06T                                                            |
| ▼ ØDh6 = 30,0 mm |      |                              |                                                                               |      |      |      |                                       |                                                                             |
| 4,0              | 30,0 | A04.VD30.ME T                | AATY                                                                          | 14,5 | 52,0 | 30,0 | AYV8                                  | A04.L A04.R A04C.L A04C.R A04T                                              |
| 5,0              | 30,0 | A05.VD30.ME T                | AZWE                                                                          | 14,5 | 52,0 | 30,0 | AYV8                                  | A05.L A05.R A05T                                                            |
| 6,0              | 30,0 | A06.VD30.ME T                | AZWN                                                                          | 16,5 | 52,0 | 30,0 | AYXS                                  | A06.L A06.R A06T                                                            |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A06.VD20.ME T**

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

## Klemmhalter, Innenbearbeitung, VDI, „ME“

Klemmhalter VDI-Aufnahme, mit unserem innovativen ME-Spannprinzip. Das ME-Spannsystem bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität. Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

## Toolholder, Internal Applications, VDI, „ME“

Toolholder with VDI-Fixation, equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

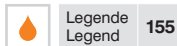
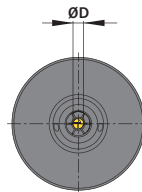
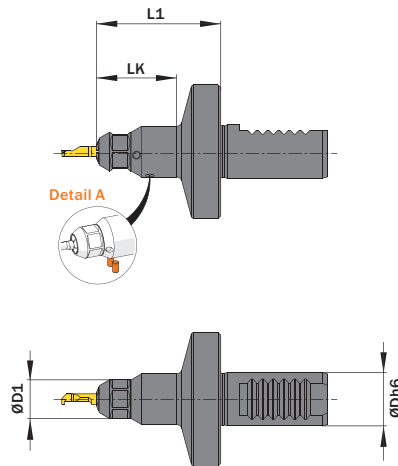
Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

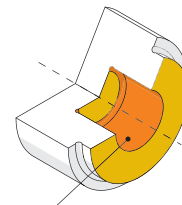
Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**Legende  
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Entdecken Sie unsere  
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Discover our simturn AX  
toolholder „ME“.



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDh6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1 | L1 | LK | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------|------------------------------|-------------------------------------------------------------------------------|-----|----|----|---------------------------------------|-----------------------------------------------------------------------------|
| mm | mm   |                              |                                                                               | mm  | mm | mm |                                       |                                                                             |

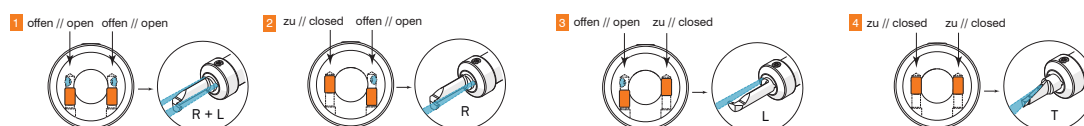
Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|                  |      |               |       |      |      |      |      |                       |
|------------------|------|---------------|-------|------|------|------|------|-----------------------|
| ▼ ØDh6 = 16,0 mm |      |               |       |      |      |      |      |                       |
| 7,0              | 16,0 | A07.VD16.ME T | AZWQ  | 16,5 | 41,5 | 30,0 | AYXS | A07.L   A07.R   A07.T |
| 8,0              | 16,0 | A08.VD16.ME T | AZWZ  | 19,0 | 41,5 | 30,0 | AZ4E | A08   A08T            |
| 10,0             | 16,0 | A10.VD16.ME T | AZW6  | 19,0 | 41,5 | 30,0 | AZ4E | A10.L   A10.R   A10T  |
| ▼ ØDh6 = 20,0 mm |      |               |       |      |      |      |      |                       |
| 7,0              | 20,0 | A07.VD20.ME T | AZWT  | 16,5 | 46,5 | 30,0 | AYXS | A07.L   A07.R   A07.T |
| 8,0              | 20,0 | A08.VD20.ME T | AZW1  | 19,0 | 46,5 | 30,0 | AZ4E | A08   A08T            |
| 10,0             | 20,0 | A10.VD20.ME T | AC43  | 19,0 | 46,5 | 30,0 | AZ4E | A10.L   A10.R   A10T  |
| ▼ ØDh6 = 25,0 mm |      |               |       |      |      |      |      |                       |
| 7,0              | 25,0 | A07.VD25.ME T | AZ WV | 16,5 | 52,0 | 30,0 | AYXS | A07.L   A07.R   A07.T |
| 8,0              | 25,0 | A08.VD25.ME T | AD86  | 19,0 | 52,0 | 30,0 | AZ4E | A08   A08T            |
| 10,0             | 25,0 | A10.VD25.ME T | ACSB  | 19,0 | 52,0 | 30,0 | AZ4E | A10.L   A10.R   A10T  |
| ▼ ØDh6 = 30,0 mm |      |               |       |      |      |      |      |                       |
| 7,0              | 30,0 | A07.VD30.ME T | AZWX  | 16,5 | 52,0 | 30,0 | AYXS | A07.L   A07.R   A07.T |
| 8,0              | 30,0 | A08.VD30.ME T | AZW3  | 19,0 | 52,0 | 30,0 | AZ4E | A08   A08T            |
| 10,0             | 30,0 | A10.VD30.ME T | AZXA  | 19,0 | 52,0 | 30,0 | AZ4E | A10.L   A10.R   A10T  |

Bestellbeispiel // Order example: **A10.VD25.ME T**

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.



**Kleinteilebearbeitung // Small Part Machining**

simturn AX &gt; Trägerwerkzeug // Toolholder

**Klemmhalter, Innenbearbeitung,  
VDI, „ME“, über Kopf**

Klemmhalter VDI-Aufnahme, mit unserem innovativen ME-Spannprinzip. Das ME-Spannsystem bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität. Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

**Toolholder, Internal Applications,  
VDI, „ME“, upside down**

Toolholder with VDI-Fixation, equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.



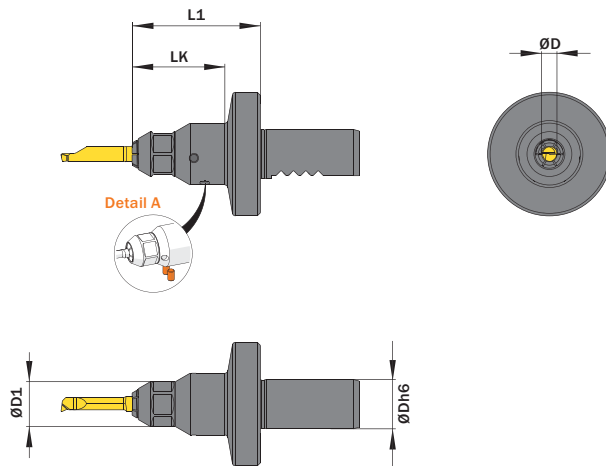
Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

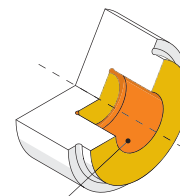
Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**Legende  
Legend **155**Scan  
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**www.simtek.info/cp/1236**

Entdecken Sie unsere  
simturn AX Halter „ME“.  
Discover our simturn AX  
toolholder „ME“.



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | ØDh6 | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | ØD1 | L1 | LK | Standard Mutter<br>Standard screw nut | Connectcode<br>www.simtek.com/cocode |
|----|------|------------------------------|-----------------------------------|-----|----|----|---------------------------------------|--------------------------------------|
| mm | mm   |                              |                                   | mm  | mm | mm |                                       |                                      |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

## ▼ ØDh6 = 16,0 mm

|      |      |                        |      |      |      |      |      |            |
|------|------|------------------------|------|------|------|------|------|------------|
| 7,0  | 16,0 | <b>A07.VD16.B.ME T</b> | AZWS | 16,5 | 41,5 | 30,0 | AYXS | A07.R A07T |
| 8,0  | 16,0 | <b>A08.VD16.B.ME T</b> | AZW0 | 19,0 | 41,5 | 30,0 | AZ4E | A08 A08T   |
| 10,0 | 16,0 | <b>A10.VD16.B.ME T</b> | AZW7 | 19,0 | 41,5 | 30,0 | AZ4E | A10.R A10T |

## ▼ ØDh6 = 20,0 mm

|      |      |                        |      |      |      |      |      |            |
|------|------|------------------------|------|------|------|------|------|------------|
| 7,0  | 20,0 | <b>A07.VD20.B.ME T</b> | AZWU | 16,5 | 46,5 | 30,0 | AYXS | A07.R A07T |
| 8,0  | 20,0 | <b>A08.VD20.B.ME T</b> | AZW2 | 19,0 | 46,5 | 30,0 | AZ4E | A08 A08T   |
| 10,0 | 20,0 | <b>A10.VD20.B.ME T</b> | AZW8 | 19,0 | 46,5 | 30,0 | AZ4E | A10.R A10T |

## ▼ ØDh6 = 25,0 mm

|      |      |                        |      |      |      |      |      |            |
|------|------|------------------------|------|------|------|------|------|------------|
| 7,0  | 25,0 | <b>A07.VD25.B.ME T</b> | AZWW | 16,5 | 52,0 | 30,0 | AYXS | A07.R A07T |
| 8,0  | 25,0 | <b>A08.VD25.B.ME T</b> | AZW4 | 19,0 | 52,0 | 30,0 | AZ4E | A08 A08T   |
| 10,0 | 25,0 | <b>A10.VD25.B.ME T</b> | AZW9 | 19,0 | 52,0 | 30,0 | AZ4E | A10.R A10T |

## ▼ ØDh6 = 30,0 mm

|      |      |                        |      |      |      |      |      |            |
|------|------|------------------------|------|------|------|------|------|------------|
| 7,0  | 30,0 | <b>A07.VD30.B.ME T</b> | AZWY | 16,5 | 52,0 | 30,0 | AYXS | A07.R A07T |
| 8,0  | 30,0 | <b>A08.VD30.B.ME T</b> | AZW5 | 19,0 | 52,0 | 30,0 | AZ4E | A08 A08T   |
| 10,0 | 30,0 | <b>A10.VD30.B.ME T</b> | AZXB | 19,0 | 52,0 | 30,0 | AZ4E | A10.R A10T |

Bestellbeispiel // Order example: **A10.VD30.B.ME T**

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.



**Kleinteilebearbeitung // Small Part Machining**

simturn AX &gt; Trägerwerkzeug // Toolholder

**Höhenverstellbare Kassette,  
für Rückseitenbearbeitungen, „ME“**

Kassette für höhenverstellbare Rückseitenbearbeitung auf Grundhaltern-Typ TOG der Marke precium, mit unserem innovativen ME-Spannprinzip. Das ME-Spannsystem bietet kraftschlüssiges Spannen und dadurch optimale Präzision und Stabilität. Vier Kühlmittelzufuhrarten je nach Bedarf einstellbar.

**Height-Adjustable Cassette  
for back operations, „ME“**

Cassette for height-adjustable back operations tools. Compatible to TOG-System by precium, equipped with our innovative ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.



Anzugsmoment (Schraube) // Tightening torque (screw)

**15,0 Nm - 25,0 Nm**

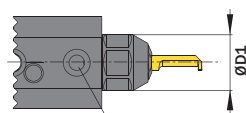
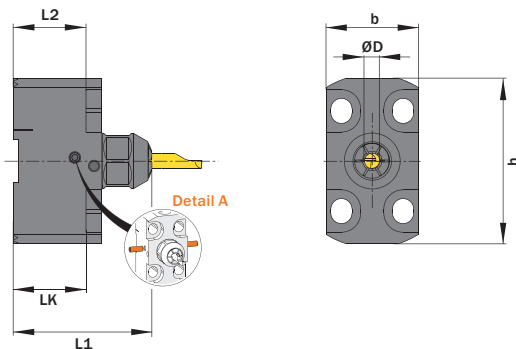
Max. Kühlmitteldruck // max. coolant pressure

**10 bar**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153), T02 (Seite/Page 154)**Legende  
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[www.simtek.info/cp/1221](http://www.simtek.info/cp/1221)

Entdecken Sie unsere  
simturn AX Halter „ME“.  
Discover our simturn AX  
toolholder „ME“.



Kühlmittelanschluss // Coolant supply

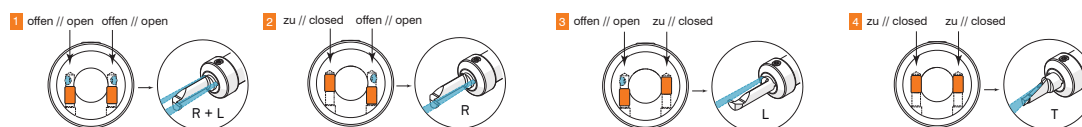
Abbildung zeigt / Drawing shows: TOG.K.A04.A1.ME T

Mehr Informationen unter [www.precium.de](http://www.precium.de)  
More information on [www.precium.de](http://www.precium.de)



Abbildung ähnlich // Illustration only

| ØD  | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | b    | ØD1  | h    | L1   | L2   | LK   | Standard Mutter<br>Standard screw nut | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|------------------------------|-------------------------------------------------------------------------------|------|------|------|------|------|------|---------------------------------------|-----------------------------------------------------------------------------|
| mm  |                              |                                                                               | mm   | mm   | mm   | mm   | mm   | mm   |                                       |                                                                             |
| 4,0 | <b>TOG.K.A04.A1.ME T</b>     | AZMX                                                                          | 24,0 | 14,5 | 43,0 | 36,0 | 18,9 | 18,9 | AYV8                                  | A04.R   A04C.R   A04T                                                       |
| 5,0 | <b>TOG.K.A05.A1.ME T</b>     | AZMY                                                                          | 24,0 | 14,5 | 43,0 | 39,5 | 18,9 | 18,9 | AYV8                                  | A05.R   A05T                                                                |
| 6,0 | <b>TOG.K.A06.A1.ME T</b>     | AZMZ                                                                          | 24,0 | 16,5 | 43,0 | 39,5 | 18,9 | 18,9 | AYXS                                  | A06.R   A06T                                                                |

**Bestellbeispiel // Order example: TOG.K.A04.A1.ME T****Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply**

Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite 766.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page 766.

## Klemmhalter, Innenbearbeitung, Quadratschaft

90 Grad gekröpfte Ausführung.

## Toolholder, Internal Applications, Square Shank

90 degree cranked style.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

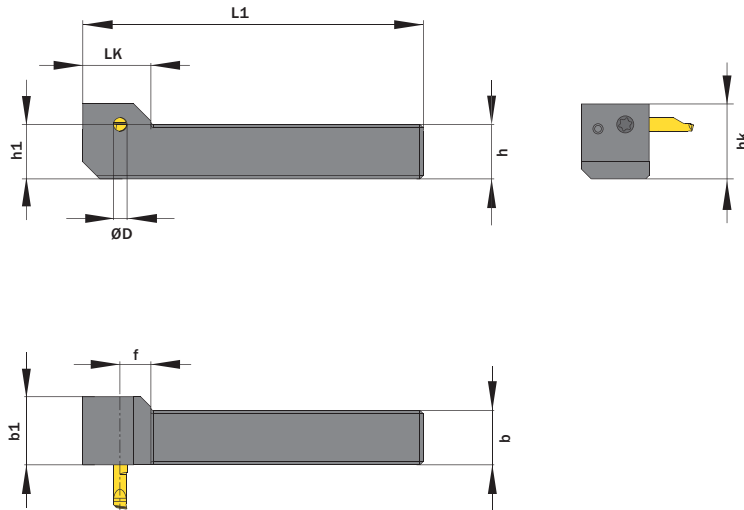
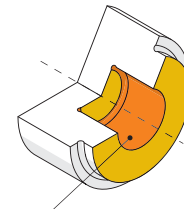
**MASTER (Seite/Page 153)**Legende  
Legend **155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1026](http://www.simtek.info/cp/1026)

Abbildung zeigt / Drawing shows: A04.1616.G.100 R



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD              | h      | b      | L1    | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | b1   | f   | hk   | h1   | LK   | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a>               |
|-----------------|--------|--------|-------|------------------------------|-------------------------------------------------------------------------------|------|-----|------|------|------|-------------------|------------------------------------|-------------------------------------------------------------------------------------------|
| mm              | mm     | mm     | mm    |                              |                                                                               | mm   | mm  | mm   | mm   | mm   |                   |                                    |                                                                                           |
| ▼ h = 12,0 mm   |        |        |       |                              |                                                                               |      |     |      |      |      |                   |                                    |                                                                                           |
| 4,0             | 12,0   | 12,0   | 80,0  | <b>A04.1212.G.080 R/L</b>    | R AW2V L AW2U                                                                 | 20,0 | 9,0 | 18,0 | 12,0 | 20,0 | ATKW              | T15F                               | R A04.R   A04C.R<br>A04.L   A04C.L                                                        |
| 5,0             | 12,0   | 12,0   | 80,0  | <b>A05.1212.G.080 R/L</b>    | R AW2Y L AW2X                                                                 | 25,0 | 9,0 | 18,0 | 12,0 | 20,0 | ATKW              | T15F                               | R A05.R L A05.L                                                                           |
| 6,0             | 12,0   | 12,0   | 80,0  | <b>A06.1212.G.080 R/L</b>    | R AW22 L AW21                                                                 | 25,0 | 9,0 | 18,0 | 12,0 | 20,0 | ATKW              | T15F                               | R A06.R L A06.L                                                                           |
| 7,0             | 12,0   | 12,0   | 80,0  | <b>A07.1212.G.080 R/L</b>    | R AW26 L AW25                                                                 | 25,0 | 9,0 | 18,0 | 12,0 | 20,0 | ATKW              | T15F                               | R A07.R L A07.L                                                                           |
| ▼ h = 12,7 mm   |        |        |       |                              |                                                                               |      |     |      |      |      |                   |                                    |                                                                                           |
| 5,0             | 12,7   | 12,7   | 80,0  | <b>A05.0.500.G.080 R</b>     | A5AV                                                                          | 25,0 | 9,0 | 18,0 | 12,7 | 20,0 | ATKW              | T15F                               | <b>A05.R</b> <span style="background-color: #d9ead3; border: 1px solid #ccc;">inch</span> |
| ▼ h = 15,875 mm |        |        |       |                              |                                                                               |      |     |      |      |      |                   |                                    |                                                                                           |
| 5,0             | 15,875 | 15,875 | 100,0 | <b>A05.0.625.G.100 R</b>     | A5AX                                                                          | 25,0 | 9,0 | 22,0 | 15,9 | 20,0 | ATKW              | T15F                               | <b>A05.R</b> <span style="background-color: #d9ead3; border: 1px solid #ccc;">inch</span> |
| ▼ h = 16,0 mm   |        |        |       |                              |                                                                               |      |     |      |      |      |                   |                                    |                                                                                           |
| 4,0             | 16,0   | 16,0   | 100,0 | <b>A04.1616.G.100 R/L</b>    | R AW4E L AW2W                                                                 | 20,0 | 9,0 | 22,0 | 16,0 | 20,0 | ATKW              | T15F                               | R A04.R   A04C.R<br>A04.L   A04C.L                                                        |
| 5,0             | 16,0   | 16,0   | 100,0 | <b>A05.1616.G.100 R/L</b>    | R AW20 L AW2Z                                                                 | 25,0 | 9,0 | 22,0 | 16,0 | 20,0 | ATKW              | T15F                               | R A05.R L A05.L                                                                           |
| 6,0             | 16,0   | 16,0   | 100,0 | <b>A06.1616.G.100 R/L</b>    | R AW24 L AW23                                                                 | 25,0 | 9,0 | 22,0 | 16,0 | 20,0 | ATKW              | T15F                               | R A06.R L A06.L                                                                           |
| 7,0             | 16,0   | 16,0   | 100,0 | <b>A07.1616.G.100 R/L</b>    | R AW28 L AW27                                                                 | 25,0 | 9,0 | 22,0 | 16,0 | 20,0 | ATKW              | T15F                               | R A07.R L A07.L                                                                           |

Bestellbeispiel // Order example: **A06.1616.G.100 R** (R = Rechte Ausführung // Right hand version)

Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

## Klemmhalter, Innenbearbeitung, Quadratschaft

Quadratischer Schaft für die Innenbearbeitung.

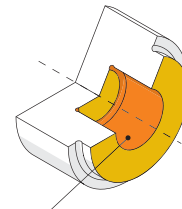
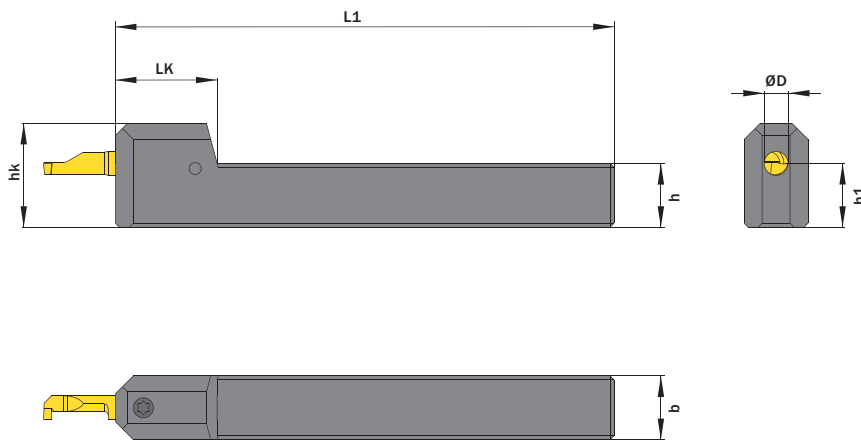
## Toolholder, Internal Applications, Square Shank

Square shank for internal applications.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)****TW**  
**ST**Legende  
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**www.simtek.info/cp/745**

- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A06.1616

| ØD            | h      | b      | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | h1    | hk   | L1    | LK   | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br>www.simtek.com/code |             |
|---------------|--------|--------|------------------------------|-----------------------------------|-------|------|-------|------|-------------------|------------------------------------|------------------------------------|-------------|
| mm            | mm     | mm     |                              |                                   | mm    | mm   | mm    | mm   |                   |                                    |                                    |             |
| ▼ ØD = 4,0 mm |        |        |                              |                                   |       |      |       |      |                   |                                    |                                    |             |
| 4,0           | 12,7   | 12,7   | <b>A04.0.500.S</b>           | AJ10                              | 12,7  | 22,0 | 100,0 | 19,0 | ATKW              | T15F                               | A04.L A04.R A04CL A04C.R           | inch        |
| 4,0           | 15,875 | 15,875 | <b>A04.0.625.S</b>           | ACQ9                              | 15,88 | 25,0 | 125,0 | 19,0 | ATKW              | T15F                               | A04.L A04.R A04CL A04C.R           | inch        |
| 4,0           | 19,05  | 19,05  | <b>A04.0.750.S</b>           | AHP1                              | 19,05 | 28,6 | 125,0 | 19,0 | ATKW              | T15F                               | A04.L A04.R A04CL A04C.R           | inch        |
| 4,0           | 25,4   | 25,4   | <b>A04.1.000.S</b>           | AT9S                              | 25,4  | 34,9 | 150,0 | 19,0 | ATKW              | T15F                               | A04.L A04.R A04CL A04C.R           | inch        |
| 4,0           | 10,0   | 10,0   | <b>A04.1010</b>              | ACXN                              | 10,0  | 19,0 | 100,0 | 19,0 | ATKW              | T15F                               | A04.L A04.R A04CL A04C.R           |             |
| 4,0           | 12,0   | 12,0   | <b>A04.1212</b>              | AF1Y                              | 12,0  | 21,0 | 100,0 | 19,0 | ATKW              | T15F                               | A04.L A04.R A04CL A04C.R           |             |
| 4,0           | 16,0   | 16,0   | <b>A04.1616</b>              | AC69                              | 16,0  | 25,0 | 125,0 | 19,0 | ATKW              | T15F                               | A04.L A04.R A04CL A04C.R           |             |
| 4,0           | 20,0   | 20,0   | <b>A04.2020</b>              | AD4F                              | 20,0  | 29,0 | 125,0 | 19,0 | ATKW              | T15F                               | A04.L A04.R A04CL A04C.R           |             |
| 4,0           | 25,0   | 25,0   | <b>A04.2525</b>              | ATZG                              | 25,0  | 34,0 | 150,0 | 19,0 | ATKW              | T15F                               | A04.L A04.R A04CL A04C.R           |             |
| ▼ ØD = 5,0 mm |        |        |                              |                                   |       |      |       |      |                   |                                    |                                    |             |
| 5,0           | 12,7   | 12,7   | <b>A05.0.500.S</b>           | AAPM                              | 12,7  | 22,2 | 100,0 | 25,0 | ATKW              | T15F                               | A05.L A05.R                        | upd<br>inch |
| 5,0           | 15,875 | 15,875 | <b>A05.0.625.S</b>           | ANNQ                              | 15,88 | 25,5 | 125,0 | 25,0 | ATKW              | T15F                               | A05.L A05.R                        | inch        |
| 5,0           | 19,05  | 19,05  | <b>A05.0.750.S</b>           | ANWK                              | 19,05 | 28,5 | 125,0 | 25,0 | ATKW              | T15F                               | A05.L A05.R                        | inch        |
| 5,0           | 25,4   | 25,4   | <b>A05.1.000.S</b>           | ATZP                              | 25,4  | 34,9 | 150,0 | 25,0 | ATKW              | T15F                               | A05.L A05.R                        | upd<br>inch |
| 5,0           | 10,0   | 10,0   | <b>A05.1010</b>              | AMKZ                              | 10,0  | 19,5 | 100,0 | 25,0 | ATKW              | T15F                               | A05.L A05.R                        |             |
| 5,0           | 12,0   | 12,0   | <b>A05.1212</b>              | ABNX                              | 12,0  | 21,5 | 100,0 | 25,0 | ATKW              | T15F                               | A05.L A05.R                        |             |
| 5,0           | 16,0   | 16,0   | <b>A05.1616</b>              | AJYG                              | 16,0  | 25,5 | 125,0 | 25,0 | ATKW              | T15F                               | A05.L A05.R                        |             |
| 5,0           | 20,0   | 20,0   | <b>A05.2020</b>              | AF6C                              | 20,0  | 29,5 | 125,0 | 25,0 | ATKW              | T15F                               | A05.L A05.R                        |             |
| 5,0           | 25,0   | 25,0   | <b>A05.2525</b>              | ATZH                              | 25,0  | 34,5 | 150,0 | 25,0 | ATKW              | T15F                               | A05.L A05.R                        |             |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued TableBestellbeispiel // Order example: **A04.1212**Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

## Klemmhalter, Innenbearbeitung, Quadratschaft

Quadratischer Schaft für die Innenbearbeitung.

## Toolholder, Internal Applications, Square Shank

Square shank for internal applications.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

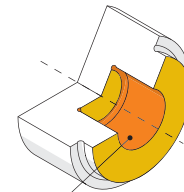
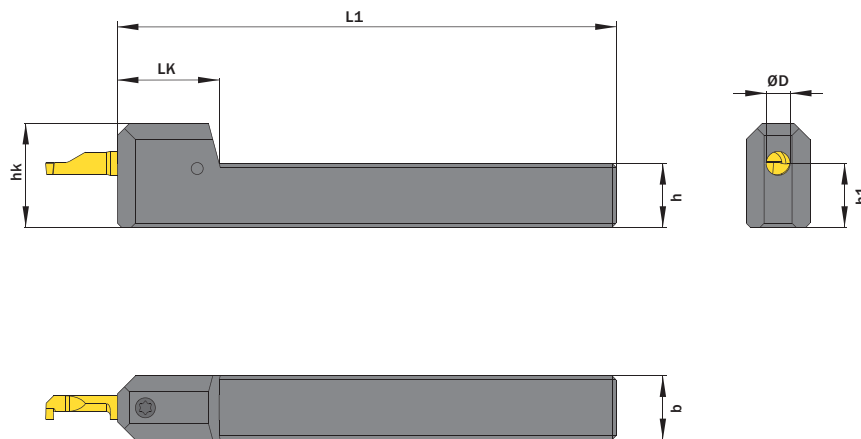
Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**
**TW**  
**ST**

 Legende  
 Legend

**155**

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[www.simtek.info/cp/786](http://www.simtek.info/cp/786)


- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A06.1616

| ØD | h  | b  | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h1 | hk | L1 | LK | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|----|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm | mm | mm |                              |                                                                               | mm | mm | mm | mm |                   |                                    |                                                                             |

 Fortgesetzte Tabelle  
 Continued Table

 Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
 Related Items can be found on the previous page as well!

## ▼ ØD = 6,0 mm

|     |        |        |                    |      |       |      |       |      |      |      |             |      |
|-----|--------|--------|--------------------|------|-------|------|-------|------|------|------|-------------|------|
| 6,0 | 12,7   | 12,7   | <b>A06.0.500.S</b> | AD05 | 12,7  | 23,0 | 100,0 | 26,0 | ATKW | T15F | A06.L A06.R | Inch |
| 6,0 | 15,875 | 15,875 | <b>A06.0.625.S</b> | AJQH | 15,88 | 26,0 | 125,0 | 25,5 | ATKW | T15F | A06.L A06.R | Inch |
| 6,0 | 19,05  | 19,05  | <b>A06.0.750.S</b> | AF15 | 19,05 | 29,0 | 125,0 | 25,5 | ATKW | T15F | A06.L A06.R | Inch |
| 6,0 | 25,4   | 25,4   | <b>A06.1.000.S</b> | ATZN | 25,4  | 35,0 | 150,0 | 25,5 | ATKW | T15F | A06.L A06.R | Inch |
| 6,0 | 12,0   | 12,0   | <b>A06.1212</b>    | AA3P | 12,0  | 22,0 | 100,0 | 26,0 | ATKW | T15F | A06.L A06.R |      |
| 6,0 | 16,0   | 16,0   | <b>A06.1616</b>    | AKPT | 16,0  | 26,0 | 125,0 | 25,5 | ATKW | T15F | A06.L A06.R |      |
| 6,0 | 20,0   | 20,0   | <b>A06.2020</b>    | ANFN | 20,0  | 30,0 | 125,0 | 25,5 | ATKW | T15F | A06.L A06.R |      |
| 6,0 | 25,0   | 25,0   | <b>A06.2525</b>    | ATZJ | 25,0  | 35,0 | 150,0 | 25,5 | ATKW | T15F | A06.L A06.R |      |

## ▼ ØD = 7,0 mm

|     |        |        |                    |      |       |      |       |      |      |      |             |      |
|-----|--------|--------|--------------------|------|-------|------|-------|------|------|------|-------------|------|
| 7,0 | 15,875 | 15,875 | <b>A07.0.625.S</b> | AC7G | 15,88 | 26,5 | 125,0 | 26,5 | ATKW | T15F | A07.L A07.R | Inch |
| 7,0 | 19,05  | 19,05  | <b>A07.0.750.S</b> | AKF3 | 19,05 | 29,5 | 125,0 | 26,5 | ATKW | T15F | A07.L A07.R | Inch |
| 7,0 | 25,4   | 25,4   | <b>A07.1.000.S</b> | ATZM | 25,4  | 35,5 | 150,0 | 26,5 | ATKW | T15F | A07.L A07.R | Inch |
| 7,0 | 16,0   | 16,0   | <b>A07.1616</b>    | AFAZ | 16,0  | 26,5 | 125,0 | 26,5 | ATKW | T15F | A07.L A07.R |      |
| 7,0 | 20,0   | 20,0   | <b>A07.2020</b>    | AF1G | 20,0  | 30,5 | 125,0 | 26,5 | ATKW | T15F | A07.L A07.R |      |
| 7,0 | 25,0   | 25,0   | <b>A07.2525</b>    | ATZK | 25,0  | 35,5 | 150,0 | 26,5 | ATKW | T15F | A07.L A07.R |      |

 Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
 Related Items can be found on the following page as well!

 Fortgesetzte Tabelle  
 Continued Table
Bestellbeispiel // Order example: **A06.2020**
 Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite 766.  
 A conversion list from **webcode to screws as well as standard screw nuts** can be found on page 766.

## Klemmhalter, Innenbearbeitung, Quadratschaft

Quadratischer Schaft für die Innenbearbeitung.

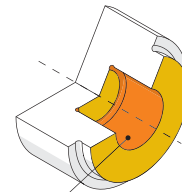
## Toolholder, Internal Applications, Square Shank

Square shank for internal applications.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)****TW**  
**ST**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1062](http://www.simtek.info/cp/1062)

- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A06.1616

| ØD | h  | b  | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | h1 | hk | L1 | LK | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|----|------------------------------|-------------------------------------------------------------------------------|----|----|----|----|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm | mm | mm |                              |                                                                               | mm | mm | mm | mm |                   |                                    |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

## ▼ ØD = 8,0 mm

|     |        |        |                    |      |       |      |       |      |      |      |          |      |
|-----|--------|--------|--------------------|------|-------|------|-------|------|------|------|----------|------|
| 8,0 | 15,875 | 15,875 | <b>A08.0.625.S</b> | AFE2 | 15,88 | 27,0 | 125,0 | 32,5 | ATKW | T15F | A08 A08T | Inch |
| 8,0 | 19,05  | 19,05  | <b>A08.0.750.S</b> | AKVD | 19,05 | 30,0 | 125,0 | 32,5 | ATKW | T15F | A08 A08T | Inch |
| 8,0 | 25,4   | 25,4   | <b>A08.1.000.S</b> | AT9T | 25,4  | 36,0 | 150,0 | 32,5 | ATKW | T15F | A08 A08T | Inch |
| 8,0 | 16,0   | 16,0   | <b>A08.1616</b>    | AGKM | 16,0  | 27,0 | 125,0 | 32,5 | ATKW | T15F | A08 A08T |      |
| 8,0 | 20,0   | 20,0   | <b>A08.2020</b>    | ABBG | 20,0  | 31,0 | 125,0 | 32,5 | ATKW | T15F | A08 A08T |      |
| 8,0 | 25,0   | 25,0   | <b>A08.2525</b>    | AT9P | 25,0  | 36,0 | 150,0 | 32,5 | ATKW | T15F | A08 A08T |      |

## ▼ ØD = 10,0 mm

|      |       |       |                    |      |       |      |       |      |      |      |                  |      |
|------|-------|-------|--------------------|------|-------|------|-------|------|------|------|------------------|------|
| 10,0 | 19,05 | 19,05 | <b>A10.0.750.S</b> | ANCN | 19,05 | 31,0 | 125,0 | 34,5 | ATKW | T15F | A10.L A10.R A10T | Inch |
| 10,0 | 25,4  | 25,4  | <b>A10.1.000.S</b> | AT9U | 25,4  | 37,0 | 150,0 | 34,5 | ATKW | T15F | A10.L A10.R A10T | Inch |
| 10,0 | 20,0  | 20,0  | <b>A10.2020</b>    | APC9 | 20,0  | 32,0 | 125,0 | 34,5 | ATKW | T15F | A10.L A10.R A10T |      |
| 10,0 | 25,0  | 25,0  | <b>A10.2525</b>    | AT9Q | 25,0  | 37,0 | 150,0 | 34,5 | ATKW | T15F | A10.L A10.R A10T |      |

Bestellbeispiel // Order example: **A10.2525**Eine Umschlüsselungliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

## Klemmhalter, Innenbearbeitung, Gekröpft

Gekröpfte Ausführung für passende  
Langrehautomaten und Mehrspindler.

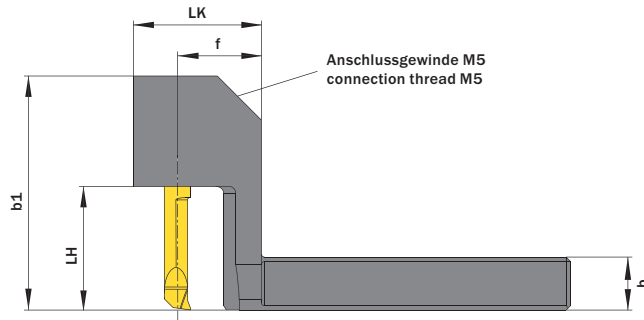
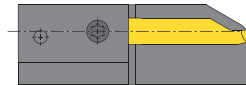
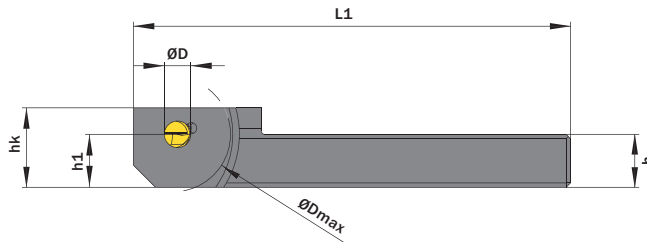
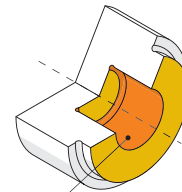
## Toolholder, Internal Applications, Cranked

Cranked toolholder for swiss type machines.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend **155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/744](http://www.simtek.info/cp/744)Anschlussgewinde M5  
connection thread M5

- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD  | h     | b     | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | b1   | ØDmax | f    | hk   | h1   | L1    | LK   | LH   | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br>www.simtek.com/code |             |
|-----|-------|-------|------------------------------|-----------------------------------|------|-------|------|------|------|-------|------|------|-------------------|------------------------------------|------------------------------------|-------------|
| 4,0 | 9,525 | 9,525 | <b>A04.0.375.10 R/L</b>      | R A5U3 L A5U5                     | 31,5 | 26,0  | 19,0 | 16,0 | 9,52 | 99,0  | 29,0 | 13,0 | ATKW              | T15F                               | R A04.R A04C.R L A04.L A04C.L      | und<br>inch |
| 4,0 | 9,525 | 9,525 | <b>A04.0.375.15 R/L</b>      | R AC1Z L AMDE                     | 36,5 | 26,0  | 19,0 | 16,0 | 9,52 | 99,0  | 29,0 | 18,0 | ATKW              | T15F                               | R A04.R A04C.R L A04.L A04C.L      | inch        |
| 4,0 | 12,7  | 12,7  | <b>A04.0.500.10 R</b>        | A235                              | 31,5 | 26,0  | 19,0 | 19,0 | 12,7 | 99,0  | 29,0 | 13,0 | ATKW              | T15F                               | A04.R A04C.R                       | inch        |
| 4,0 | 12,7  | 12,7  | <b>A04.0.500.15 R/L</b>      | R AB49 L AD3A                     | 36,5 | 26,0  | 19,0 | 19,0 | 12,7 | 99,0  | 29,0 | 18,0 | ATKW              | T15F                               | R A04.R A04C.R L A04.L A04C.L      | inch        |
| 4,0 | 8,0   | 8,0   | <b>A04.0808.10 R/L</b>       | R APYN L AA2M                     | 31,5 | 26,0  | 19,0 | 14,0 | 8,0  | 99,0  | 29,0 | 13,0 | ATKW              | T15F                               | R A04.R A04C.R L A04.L A04C.L      |             |
| 4,0 | 8,0   | 8,0   | <b>A04.0808.15 R/L</b>       | R AF3M L AKCJ                     | 36,5 | 26,0  | 19,0 | 14,0 | 8,0  | 99,0  | 29,0 | 18,0 | ATKW              | T15F                               | R A04.R A04C.R L A04.L A04C.L      |             |
| 4,0 | 10,0  | 10,0  | <b>A04.1010.10 R/L</b>       | R ANAT L AEØP                     | 31,5 | 26,0  | 19,0 | 16,0 | 10,0 | 99,0  | 29,0 | 13,0 | ATKW              | T15F                               | R A04.R A04C.R L A04.L A04C.L      |             |
| 4,0 | 10,0  | 10,0  | <b>A04.1010.15 R/L</b>       | R AF2T L AAX5                     | 36,5 | 26,0  | 19,0 | 16,0 | 10,0 | 99,0  | 29,0 | 18,0 | ATKW              | T15F                               | R A04.R A04C.R L A04.L A04C.L      |             |
| 4,0 | 12,0  | 12,0  | <b>A04.1212.10 R/L</b>       | R AHFU L ANE7                     | 31,5 | 26,0  | 19,0 | 18,0 | 12,0 | 99,0  | 29,0 | 13,0 | ATKW              | T15F                               | R A04.R A04C.R L A04.L A04C.L      |             |
| 4,0 | 12,0  | 12,0  | <b>A04.1212.15 R/L</b>       | R AFNB L AEØP                     | 36,5 | 26,0  | 19,0 | 18,0 | 12,0 | 99,0  | 29,0 | 18,0 | ATKW              | T15F                               | R A04.R A04C.R L A04.L A04C.L      |             |
| 4,0 | 16,0  | 16,0  | <b>A04.1616.15 R/L</b>       | R ABWP L AHM3                     | 36,5 | 36,0  | 24,0 | 22,0 | 16,0 | 104,0 | 34,0 | 18,0 | ATKW              | T15F                               | R A04.R A04C.R L A04.L A04C.L      |             |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued TableBestellbeispiel // Order example: **A04.1212.15 R** (R = Rechte Ausführung // Right hand version)Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

## Klemmhalter, Innenbearbeitung, Gekröpft

Gekröpfte Ausführung für passende  
Langrehautomaten und Mehrspindler.

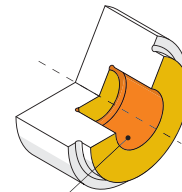
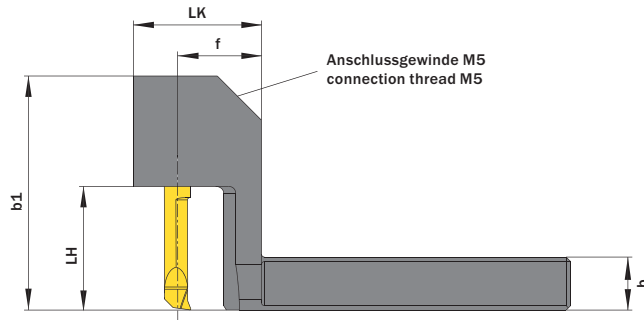
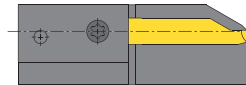
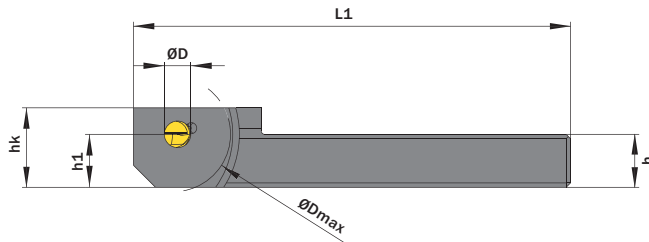
## Toolholder, Internal Applications, Cranked

Cranked toolholder for swiss type machines.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend **155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/787](http://www.simtek.info/cp/787)

- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD | h  | b  | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | b1 | ØDmax | f  | hk | h1 | L1 | LK | LH | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|----|------------------------------|-------------------------------------------------------------------------------|----|-------|----|----|----|----|----|----|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm | mm | mm |                              |                                                                               | mm | mm    | mm | mm | mm | mm | mm | mm |                   |                                    |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

## ▼ ØD = 5,0 mm

|     |        |        |                         |          |      |      |      |      |      |       |       |      |      |      |        |         |       |      |
|-----|--------|--------|-------------------------|----------|------|------|------|------|------|-------|-------|------|------|------|--------|---------|-------|------|
| 5,0 | 9,525  | 9,525  | <b>A05.0.375.20 R/L</b> | R AM2V L | ANTD | 48,0 | 26,0 | 19,0 | 16,0 | 9,52  | 99,0  | 29,0 | 23,0 | ATKW | T15F R | A05.R L | A05.L | inch |
| 5,0 | 12,7   | 12,7   | <b>A05.0.500.20 R/L</b> | R AE71 L | AEMY | 48,0 | 26,0 | 19,0 | 19,0 | 12,7  | 99,0  | 29,0 | 23,0 | ATKW | T15F R | A05.R L | A05.L | inch |
| 5,0 | 15,875 | 15,875 | <b>A05.0.625.20 R/L</b> | R ADF6 L | ADØP | 48,0 | 36,0 | 24,0 | 22,0 | 15,88 | 104,0 | 34,0 | 23,0 | ATKW | T15F R | A05.R L | A05.L | inch |
| 5,0 | 8,0    | 8,0    | <b>A05.0808.15 R/L</b>  | R AG4E L | ACS2 | 43,0 | 26,0 | 19,0 | 14,0 | 8,0   | 99,0  | 29,0 | 18,0 | ATKW | T15F R | A05.R L | A05.L |      |
| 5,0 | 10,0   | 10,0   | <b>A05.1010.20 R/L</b>  | R ABQV L | AA3M | 48,0 | 26,0 | 19,0 | 16,0 | 10,0  | 99,0  | 29,0 | 23,0 | ATKW | T15F R | A05.R L | A05.L |      |
| 5,0 | 12,0   | 12,0   | <b>A05.1212.20 R/L</b>  | R ANØ6 L | AFCT | 48,0 | 26,0 | 19,0 | 18,0 | 12,0  | 99,0  | 29,0 | 23,0 | ATKW | T15F R | A05.R L | A05.L |      |
| 5,0 | 16,0   | 16,0   | <b>A05.1616.20 R/L</b>  | R AHKP L | ABGD | 48,0 | 36,0 | 24,0 | 22,0 | 16,0  | 104,0 | 34,0 | 23,0 | ATKW | T15F R | A05.R L | A05.L |      |

## ▼ ØD = 6,0 mm

|     |        |        |                         |          |      |      |      |      |      |       |       |      |      |      |        |         |       |      |
|-----|--------|--------|-------------------------|----------|------|------|------|------|------|-------|-------|------|------|------|--------|---------|-------|------|
| 6,0 | 9,525  | 9,525  | <b>A06.0.375.20 R/L</b> | R ANYØ L | AHV7 | 53,0 | 26,0 | 19,0 | 16,0 | 9,52  | 99,0  | 29,0 | 23,0 | ATKW | T15F R | A06.R L | A06.L | inch |
| 6,0 | 12,7   | 12,7   | <b>A06.0.500.25 R/L</b> | R AD7Z L | ABNB | 53,0 | 26,0 | 19,0 | 19,0 | 12,7  | 99,0  | 29,0 | 28,0 | ATKW | T15F R | A06.R L | A06.L | inch |
| 6,0 | 15,875 | 15,875 | <b>A06.0.625.25 R/L</b> | R AA7V L | AD4X | 53,0 | 36,0 | 24,0 | 22,0 | 15,88 | 104,0 | 34,0 | 28,0 | ATKW | T15F R | A06.R L | A06.L | inch |
| 6,0 | 10,0   | 10,0   | <b>A06.1010.25 R/L</b>  | R ACQT L | AKPG | 53,0 | 26,0 | 19,0 | 16,0 | 10,0  | 99,0  | 29,0 | 28,0 | ATKW | T15F R | A06.R L | A06.L |      |
| 6,0 | 12,0   | 12,0   | <b>A06.1212.25 R/L</b>  | R ABWX L | AKSE | 53,0 | 26,0 | 19,0 | 18,0 | 12,0  | 99,0  | 29,0 | 28,0 | ATKW | T15F R | A06.R L | A06.L |      |
| 6,0 | 16,0   | 16,0   | <b>A06.1616.25 R/L</b>  | R AC3H L | AD5Z | 53,0 | 36,0 | 24,0 | 22,0 | 16,0  | 104,0 | 34,0 | 28,0 | ATKW | T15F R | A06.R L | A06.L |      |

## ▼ ØD = 7,0 mm

|     |      |      |                        |          |      |      |      |      |      |      |       |      |      |      |        |         |       |  |
|-----|------|------|------------------------|----------|------|------|------|------|------|------|-------|------|------|------|--------|---------|-------|--|
| 7,0 | 16,0 | 16,0 | <b>A07.1616.25 R/L</b> | R AJJE L | AEHJ | 53,5 | 36,0 | 24,0 | 22,0 | 16,0 | 104,0 | 34,0 | 28,0 | ATKW | T15F R | A07.R L | A07.L |  |
|-----|------|------|------------------------|----------|------|------|------|------|------|------|-------|------|------|------|--------|---------|-------|--|

Bestellbeispiel // Order example: **A05.1212.20 R** (R = Rechte Ausführung // Right hand version)Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.



# Doppelklemmhalter, Innenbearbeitung

Doppelklemmhalter für passende Langdrehautomaten.

## Toolholder, Internal Applications

Double toolholder for swiss type machines.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**



**TW**  
**ST**

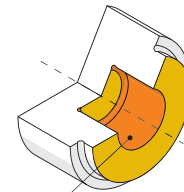
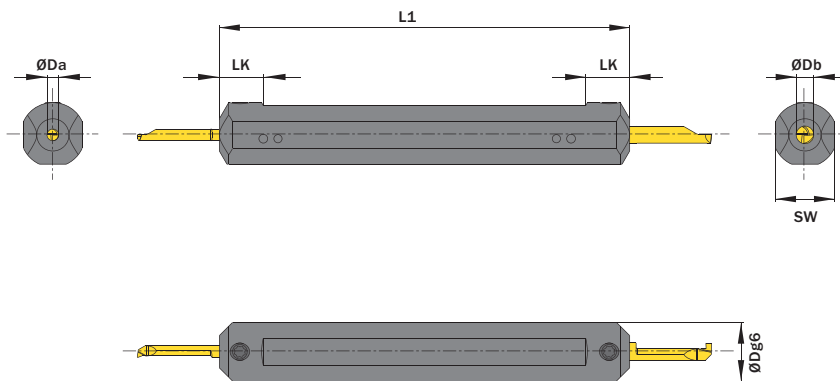
Legende  
Legend

**155**



Scan  
QR-Code

Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/742](http://www.simtek.info/cp/742)



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A04.0.750.0140.A06

| ØDa            | ØDg6  | L1    | ØDb | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | LK   | SW   | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> | inch |
|----------------|-------|-------|-----|------------------------------|-------------------------------------------------------------------------------|------|------|-------------------|------------------------------------|-----------------------------------------------------------------------------|------|
| mm             | mm    | mm    | mm  |                              |                                                                               | mm   | mm   |                   |                                    |                                                                             |      |
| ▼ ØDa = 4,0 mm |       |       |     |                              |                                                                               |      |      |                   |                                    |                                                                             |      |
| 4,0            | 19,05 | 140,0 | 6,0 | <b>A04.0.750.0140.A06</b>    | AHWS                                                                          | 15,0 | 17,0 | ATKW              | T15F                               | A04.L A04.R A04CL<br>A04C.R A06.L A06.R                                     |      |
| 4,0            | 20,0  | 140,0 | 4,0 | <b>A04.0020.0140.A04</b>     | APJQ                                                                          | 15,0 | 17,0 | ATKW              | T15F                               | A04.L A04.R<br>A04CL A04C.R                                                 |      |
| 4,0            | 20,0  | 140,0 | 5,0 | <b>A04.0020.0140.A05</b>     | AMFØ                                                                          | 15,0 | 17,0 | ATKW              | T15F                               | A04.L A04.R A04CL<br>A04C.R A05.L A05.R                                     |      |
| 4,0            | 20,0  | 140,0 | 6,0 | <b>A04.0020.0140.A06</b>     | AAWT                                                                          | 15,0 | 18,0 | ATKW              | T15F                               | A04.L A04.R A04CL<br>A04C.R A06.L A06.R                                     |      |
| 4,0            | 22,0  | 140,0 | 4,0 | <b>A04.0022.0140.A04</b>     | AGV1                                                                          | 15,0 | 20,0 | ATKW              | T15F                               | A04.L A04.R<br>A04CL A04C.R                                                 |      |
| 4,0            | 22,0  | 140,0 | 6,0 | <b>A04.0022.0140.A06</b>     | AA6P                                                                          | 15,0 | 20,0 | ATKW              | T15F                               | A04.L A04.R A04CL<br>A04C.R A06.L A06.R                                     |      |
| 4,0            | 25,0  | 140,0 | 6,0 | <b>A04.0025.0140.A06</b>     | AEZP                                                                          | 15,0 | 23,0 | ATKW              | T15F                               | A04.L A04.R A04CL<br>A04C.R A06.L A06.R                                     |      |
| 4,0            | 28,0  | 140,0 | 6,0 | <b>A04.0028.0140.A06</b>     | AB7A                                                                          | 15,0 | 26,0 | ATKW              | T15F                               | A04.L A04.R A04CL<br>A04C.R A06.L A06.R                                     |      |
| ▼ ØDa = 5,0 mm |       |       |     |                              |                                                                               |      |      |                   |                                    |                                                                             |      |
| 5,0            | 20,0  | 140,0 | 5,0 | <b>A05.0020.0140.A05</b>     | AK9Y                                                                          | 15,0 | 17,0 | ATKW              | T15F                               | A05.L A05.R                                                                 |      |
| 5,0            | 20,0  | 140,0 | 6,0 | <b>A05.0020.0140.A06</b>     | APND                                                                          | 15,0 | 17,0 | ATKW              | T15F                               | A05.L A05.R A06.L A06.R                                                     |      |
| ▼ ØDa = 6,0 mm |       |       |     |                              |                                                                               |      |      |                   |                                    |                                                                             |      |
| 6,0            | 20,0  | 140,0 | 6,0 | <b>A06.0020.0140.A06</b>     | AGXT                                                                          | 15,0 | 17,0 | ATKW              | T15F                               | A06.L A06.R                                                                 |      |
| 6,0            | 22,0  | 140,0 | 6,0 | <b>A06.0022.0140.A06</b>     | AJC6                                                                          | 15,0 | 19,0 | ATKW              | T15F                               | A06.L A06.R                                                                 |      |

Bestellbeispiel // Order example: **A04.0020.0140.A04**

Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

# Klemmhalter, Innenbearbeitung

SIMTEK Trägerwerkzeug mit Polygonschaft nach ISO 26623 zum Drehen und Fräsen.

## Toolholder, Internal Applications

SIMTEK toolholder with polygon shank according to ISO 26623 for turning and milling applications.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**



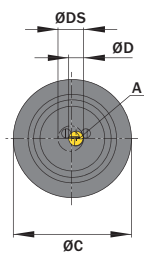
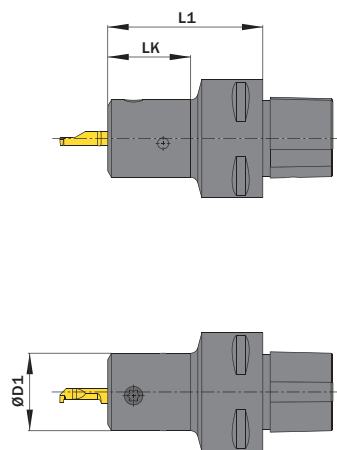
Legende  
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**155**

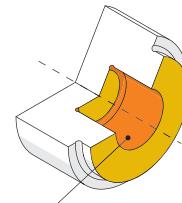
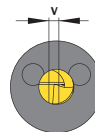


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Detail A



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A04.00C3.05

| Polygonschaftgröße<br>Polygon shank size | ØD  | ØC   | ØDS | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | ØD1  | L1   | LK   | Maximale Frästiefe<br>Max. depth of cut<br>(milling) | V    | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br>www.simtek.com/code |
|------------------------------------------|-----|------|-----|------------------------------|-----------------------------------|------|------|------|------------------------------------------------------|------|-------------------|------------------------------------|------------------------------------|
|                                          | mm  | mm   | mm  |                              |                                   | mm   | mm   | mm   | mm                                                   | mm   |                   |                                    |                                    |
| ▼ ØD = 4,0 mm                            |     |      |     |                              |                                   |      |      |      |                                                      |      |                   |                                    |                                    |
| C3                                       | 4,0 | 32,0 | 5,9 | A04.00C3.05                  | ADDV                              | 21,0 | 42,0 | 22,0 | 0,75                                                 | 1,0  | ATKW              | T15F                               | A04.L A04.R A04C.L A04C.R          |
| C4                                       | 4,0 | 40,0 | 5,9 | A04.00C4.05                  | ADV4                              | 21,0 | 47,0 | 22,0 | 0,75                                                 | 1,0  | ATKW              | T15F                               | A04.L A04.R A04C.L A04C.R          |
| C5                                       | 4,0 | 50,0 | 6,0 | A04.00C5.06                  | AUFJ                              | 21,0 | 49,0 | 22,0 | 0,8                                                  | 1,05 | ATKW              | T15F                               | A04.L A04.R A04C.L A04C.R          |
| ▼ ØD = 5,0 mm                            |     |      |     |                              |                                   |      |      |      |                                                      |      |                   |                                    |                                    |
| C3                                       | 5,0 | 32,0 | 6,9 | A05.00C3.07                  | APX4                              | 22,0 | 42,0 | 22,0 | 0,7                                                  | 1,0  | ATKW              | T15F                               | A05.L A05.R                        |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A05.00C3.07**

Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

## Klemmhalter, Innenbearbeitung

SIMTEK Trägerwerkzeug mit Polygonschaft nach ISO 26623 zum Drehen und Fräsen.

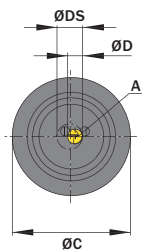
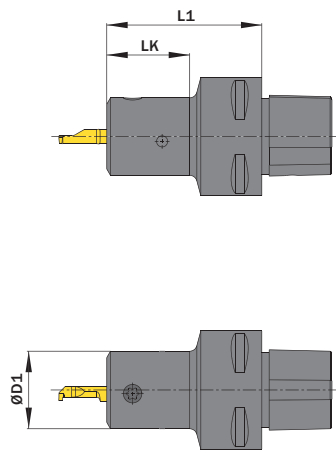
## Toolholder, Internal Applications

SIMTEK toolholder with polygon shank according to ISO 26623 for turning and milling applications.

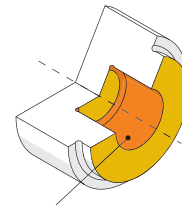
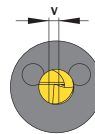
Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
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[www.simtek.info/cp/973](http://www.simtek.info/cp/973)

Detail A



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A04.00C3.05

| Polygonschaftgröße<br>Polygon shank size | ØD | ØC | ØDS | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØD1 | L1 | LK | Maximale Frästiefe<br>Max. depth of cut<br>(milling) | V  | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|------------------------------------------|----|----|-----|------------------------------|-------------------------------------------------------------------------------|-----|----|----|------------------------------------------------------|----|-------------------|------------------------------------|-----------------------------------------------------------------------------|
|                                          | mm | mm | mm  |                              |                                                                               | mm  | mm | mm | mm                                                   | mm |                   |                                    |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

## ▼ ØD = 6,0 mm

|    |     |      |     |                    |      |      |      |      |      |      |      |      |             |
|----|-----|------|-----|--------------------|------|------|------|------|------|------|------|------|-------------|
| C3 | 6,0 | 32,0 | 7,9 | <b>A06.00C3.08</b> | AHG5 | 23,0 | 42,0 | 22,0 | 0,65 | 1,0  | ATKW | T15F | A06.L A06.R |
| C3 | 6,0 | 32,0 | 9,8 | <b>A06.00C3.10</b> | ABBP | 23,5 | 42,0 | 22,0 | 1,6  | 1,95 | ATKW | T15F | A06.L A06.R |
| C4 | 6,0 | 40,0 | 7,9 | <b>A06.00C4.08</b> | AEUØ | 23,0 | 47,0 | 22,0 | 0,65 | 1,0  | ATKW | T15F | A06.L A06.R |
| C4 | 6,0 | 40,0 | 9,8 | <b>A06.00C4.10</b> | ADS1 | 23,5 | 47,0 | 22,0 | 1,6  | 1,95 | ATKW | T15F | A06.L A06.R |
| C5 | 6,0 | 50,0 | 9,8 | <b>A06.00C5.10</b> | AUFM | 23,5 | 49,0 | 22,0 | 1,6  | 1,95 | ATKW | T15F | A06.L A06.R |
| C6 | 6,0 | 63,0 | 9,8 | <b>A06.00C6.10</b> | AUFS | 23,5 | 95,0 | 22,0 | 1,6  | 1,95 | ATKW | T15F | A06.L A06.R |

## ▼ ØD = 7,0 mm

|    |     |      |      |                    |      |      |      |      |     |     |      |      |             |
|----|-----|------|------|--------------------|------|------|------|------|-----|-----|------|------|-------------|
| C3 | 7,0 | 32,0 | 8,9  | <b>A07.00C3.09</b> | AN85 | 24,0 | 42,0 | 22,0 | 0,6 | 1,0 | ATKW | T15F | A07.L A07.R |
| C3 | 7,0 | 32,0 | 12,7 | <b>A07.00C3.13</b> | AM7H | 25,0 | 42,0 | 22,0 | 2,5 | 2,9 | ATKW | T15F | A07.L A07.R |
| C4 | 7,0 | 40,0 | 8,9  | <b>A07.00C4.09</b> | AMBV | 24,0 | 47,0 | 22,0 | 0,6 | 1,0 | ATKW | T15F | A07.L A07.R |
| C4 | 7,0 | 40,0 | 12,7 | <b>A07.00C4.13</b> | AM83 | 25,0 | 47,0 | 22,0 | 2,5 | 2,9 | ATKW | T15F | A07.L A07.R |
| C5 | 7,0 | 50,0 | 12,7 | <b>A07.00C5.13</b> | AUFN | 25,0 | 49,0 | 22,0 | 2,5 | 2,9 | ATKW | T15F | A07.L A07.R |
| C6 | 7,0 | 63,0 | 12,7 | <b>A07.00C6.13</b> | AUFT | 25,0 | 95,0 | 22,0 | 2,5 | 2,9 | ATKW | T15F | A07.L A07.R |

Bestellbeispiel // Order example: **A07.00C5.13**

Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

## Klemmhalter, Innenbearbeitung

Geeignet zum Fräsen und Ausspindeln.

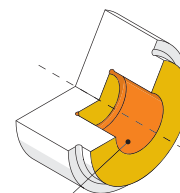
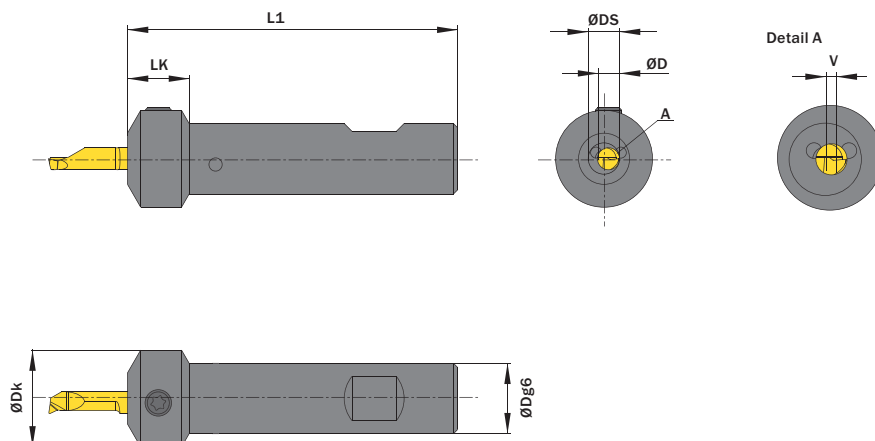
## Toolholder, Internal Applications

For milling and boring applications.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**Legende  
Legend**155**Scan  
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[www.simtek.info/cp/743](http://www.simtek.info/cp/743)

- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A05.0016.07 B ST

| ØD            | ØDg6   | ØDS  | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØDk  | L1   | LK   | V    | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |      |
|---------------|--------|------|------------------------------|-------------------------------------------------------------------------------|------|------|------|------|-------------------|------------------------------------|-----------------------------------------------------------------------------|------|
| mm            | mm     | mm   |                              |                                                                               | mm   | mm   | mm   | mm   |                   |                                    |                                                                             |      |
| ▼ ØD = 4,0 mm |        |      |                              |                                                                               |      |      |      |      |                   |                                    |                                                                             |      |
| 4,0           | 15,875 | 5,9  | <b>A04.0.625.05 B ST</b>     | A5U7                                                                          | 21,0 | 75,0 | 14,0 | 1,0  | ATKW              | T15F                               | A04.L A04.R                                                                 | inch |
| 4,0           | 16,0   | 5,9  | <b>A04.0016.05 B ST</b>      | APUS                                                                          | 21,0 | 75,0 | 14,0 | 1,0  | ATKW              | T15F                               | A04.L A04.R                                                                 |      |
| 4,0           | 16,0   | 6,0  | <b>A04.0016.06 B ST</b>      | AB4A                                                                          | 21,0 | 75,0 | 14,0 | 1,05 | ATKW              | T15F                               | A04.L A04.R                                                                 |      |
| ▼ ØD = 5,0 mm |        |      |                              |                                                                               |      |      |      |      |                   |                                    |                                                                             |      |
| 5,0           | 15,875 | 6,9  | <b>A05.0.625.07 B ST</b>     | A5U9                                                                          | 22,0 | 75,0 | 14,0 | 1,0  | ATKW              | T15F                               | A05.L A05.R                                                                 | inch |
| 5,0           | 16,0   | 6,9  | <b>A05.0016.07 B ST</b>      | AMBQ                                                                          | 22,0 | 75,0 | 14,0 | 1,0  | ATKW              | T15F                               | A05.L A05.R                                                                 |      |
| 5,0           | 16,0   | 7,5  | <b>A05.0016.08 B ST</b>      | AE97                                                                          | 22,0 | 75,0 | 14,0 | 1,3  | ATKW              | T15F                               | A05.L A05.R                                                                 |      |
| ▼ ØD = 6,0 mm |        |      |                              |                                                                               |      |      |      |      |                   |                                    |                                                                             |      |
| 6,0           | 15,875 | 9,8  | <b>A06.0.625.10 B ST</b>     | A5VB                                                                          | 22,0 | 75,0 | 14,0 | 1,95 | ATKW              | T15F                               | A06.L A06.R                                                                 | inch |
| 6,0           | 16,0   | 9,8  | <b>A06.0016.10 B ST</b>      | AC9M                                                                          | 22,0 | 75,0 | 14,0 | 1,95 | ATKW              | T15F                               | A06.L A06.R                                                                 |      |
| ▼ ØD = 7,0 mm |        |      |                              |                                                                               |      |      |      |      |                   |                                    |                                                                             |      |
| 7,0           | 15,875 | 12,7 | <b>A07.0.625.13 B ST</b>     | A5VD                                                                          | 22,0 | 75,0 | 14,0 | 2,9  | ATKW              | T15F                               | A07.L A07.R                                                                 | inch |
| 7,0           | 16,0   | 12,7 | <b>A07.0016.13 B ST</b>      | AH14                                                                          | 22,0 | 75,0 | 14,0 | 2,9  | ATKW              | T15F                               | A07.L A07.R                                                                 |      |

Bestellbeispiel // Order example: **A04.0016.05 B ST**Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite 766.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page 766.

# Klemmhalter, Innenbearbeitung, für Star-Maschinen

Für die Drehbearbeitung innen.

## Toolholder, Internal Applications, for Star-Machines

For internal turning applications.

Anzugsmoment (Schraube) // Tightening torque (screw)

**7,0 Nm**

Bitte Hinweise im Anhang beachten // Please read add. notes

**MASTER (Seite/Page 153)**



Legende  
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**155**



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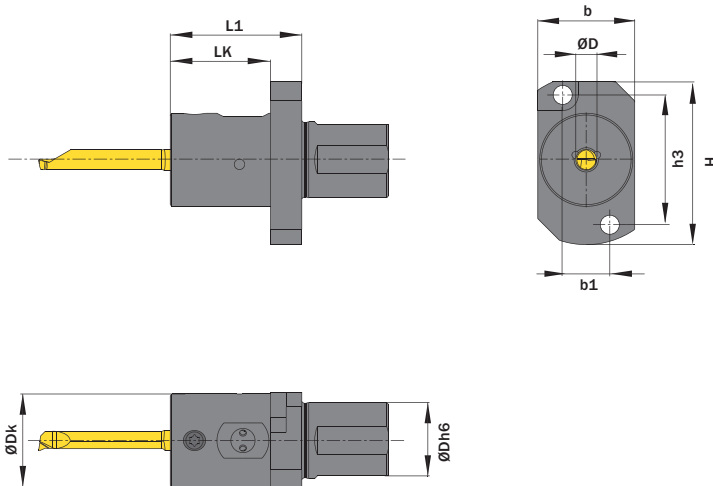
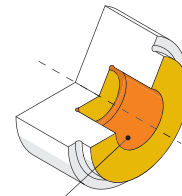


Abbildung zeigt / Drawing shows: A06.ST22



- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD            | ØDh6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | b    | b1   | ØDk  | H    | h3   | L1   | LK   | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|---------------|------|------------------------------|-------------------------------------------------------------------------------|------|------|------|------|------|------|------|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm            | mm   |                              |                                                                               | mm   | mm   | mm   | mm   | mm   | mm   | mm   |                   |                                    |                                                                             |
| ▼ ØD = 4,0 mm |      |                              |                                                                               |      |      |      |      |      |      |      |                   |                                    |                                                                             |
| 4,0           | 22,0 | <b>A04.ST22</b>              | ANWS                                                                          | 28,0 | 13,6 | 26,9 | 47,0 | 37,5 | 38,0 | 29,0 | ATKW              | T15F                               | A04.L A04.R A04C.L A04C.R                                                   |
| ▼ ØD = 5,0 mm |      |                              |                                                                               |      |      |      |      |      |      |      |                   |                                    |                                                                             |
| 5,0           | 22,0 | <b>A05.ST22</b>              | AJQC                                                                          | 28,0 | 13,6 | 26,9 | 47,0 | 37,5 | 38,0 | 29,0 | ATKW              | T15F                               | A05.L A05.R                                                                 |
| ▼ ØD = 6,0 mm |      |                              |                                                                               |      |      |      |      |      |      |      |                   |                                    |                                                                             |
| 6,0           | 22,0 | <b>A06.ST22</b>              | AKAU                                                                          | 28,0 | 13,6 | 26,9 | 47,0 | 37,5 | 38,0 | 29,0 | ATKW              | T15F                               | A06.L A06.R                                                                 |
| ▼ ØD = 7,0 mm |      |                              |                                                                               |      |      |      |      |      |      |      |                   |                                    |                                                                             |
| 7,0           | 22,0 | <b>A07.ST22</b>              | ACP1                                                                          | 28,0 | 13,6 | 26,9 | 47,0 | 37,5 | 38,0 | 29,0 | ATKW              | T15F                               | A07.L A07.R                                                                 |

Bestellbeispiel // Order example: **A06.ST22**

Eine Umschlüsselungsliste von **Webcode zu Schrauben bzw. Spannmuttern** finden Sie auf Seite **766**.  
A conversion list from **webcode to screws as well as standard screw nuts** can be found on page **766**.

Klemmhalter, Innenbearbeitung,  
für Star-MaschinenFür die Drehbearbeitung innen. Vier Kühlmittelzufuhrarten  
je nach Bedarf einstellbar.Toolholder, Internal Applications,  
for Star-MachinesFor internal turning applications. Four different types of  
through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

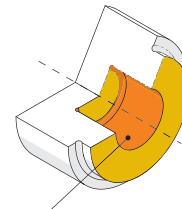
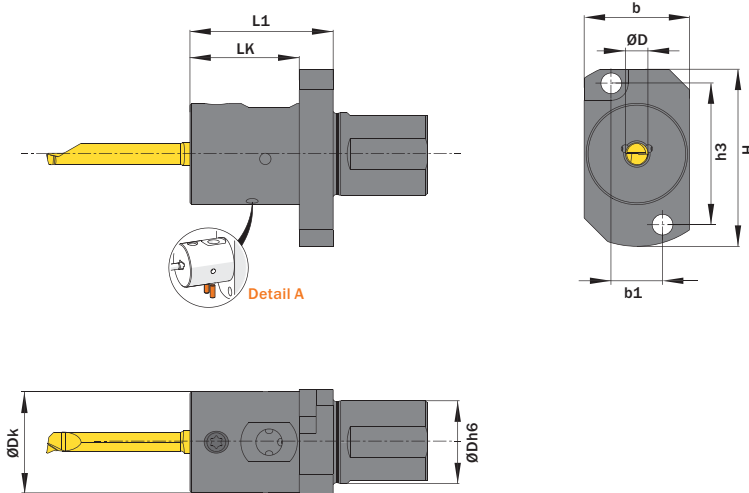
7,0 Nm

Bitte Hinweise im Anhang beachten // Please read add. notes

MASTER (Seite/Page 153)

Legende  
Legend

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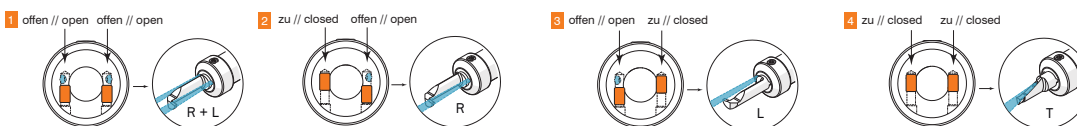
- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

Abbildung zeigt / Drawing shows: A04.ST22 T

| ØD  | ØDh6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | b    | b1   | ØDk  | H    | h3   | L1   | LK   | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|------|------------------------------|-------------------------------------------------------------------------------|------|------|------|------|------|------|------|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm  | mm   |                              |                                                                               | mm   | mm   | mm   | mm   | mm   | mm   | mm   |                   |                                    |                                                                             |
| 4,0 | 22,0 | A04.ST22 T                   | AZ4A                                                                          | 28,0 | 13,6 | 26,9 | 47,0 | 37,5 | 38,0 | 29,0 | ATKW              | T15F                               | A04.L A04.R A04CL<br>A04C.R A04T                                            |
| 5,0 | 22,0 | A05.ST22 T                   | AZ39                                                                          | 28,0 | 13,6 | 26,9 | 47,0 | 37,5 | 38,0 | 29,0 | ATKW              | T15F                               | A05.L A05.R A05T                                                            |
| 6,0 | 22,0 | A06.ST22 T                   | AZ38                                                                          | 28,0 | 13,6 | 26,9 | 47,0 | 37,5 | 38,0 | 29,0 | ATKW              | T15F                               | A06.L A06.R A06T                                                            |
| 7,0 | 22,0 | A07.ST22 T                   | AZ37                                                                          | 28,0 | 13,6 | 26,9 | 47,0 | 37,5 | 38,0 | 29,0 | ATKW              | T15F                               | A07.L A07.R A07T                                                            |
| 8,0 | 22,0 | A08.ST22 T                   | AZVB                                                                          | 28,0 | 13,6 | 26,9 | 47,0 | 37,5 | 38,0 | 29,0 | ATKW              | T15F                               | A08 A08T                                                                    |

Bestellbeispiel // Order example: A04.ST22 T

Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply

Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.

# Klemmhalter, Innenbearbeitung, für Star-Maschinen

Für die Drehbearbeitung innen. Vier Kühlmittelzufuhrarten  
je nach Bedarf einstellbar.

## Toolholder, Internal Applications, for Star-Machines

For internal turning applications. Four different types of  
through coolant supply can be realized as required.

Anzugsmoment (Schraube) // Tightening torque (screw)

7,0 Nm



Legende  
Legend

155



Scan  
QR-Code

Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/1291](http://www.simtek.info/cp/1291)

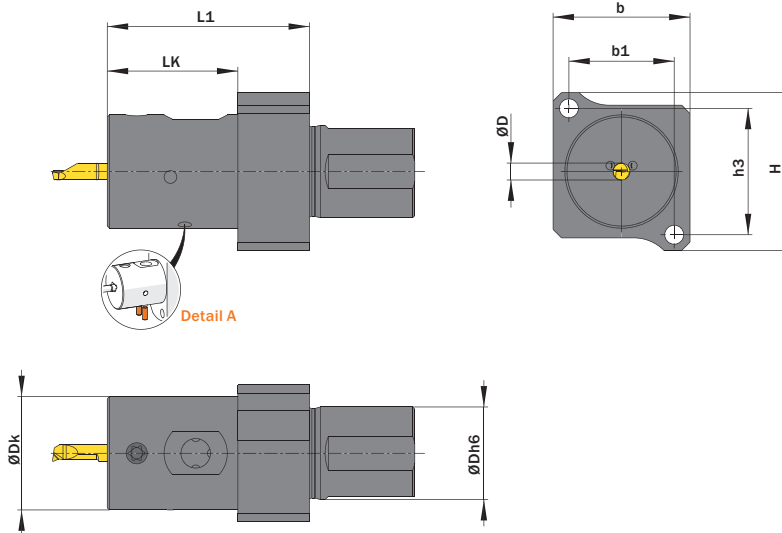
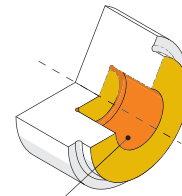


Abbildung zeigt / Drawing shows: A04.ST22.A T

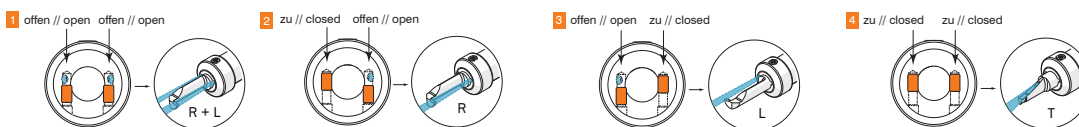


- Hauptsächlich geeignet für diese Flächen  
Mainly designed for these surfaces
- Je nach Schneidplatte ebenfalls möglich  
Also possible depending on insert type

| ØD  | ØDh6 | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | b    | b1   | ØDk  | H    | h3   | L1   | LK   | Schraube<br>Screw | Schraubenschlüssel<br>Screw driver | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|------|------------------------------|-------------------------------------------------------------------------------|------|------|------|------|------|------|------|-------------------|------------------------------------|-----------------------------------------------------------------------------|
| mm  | mm   |                              |                                                                               | mm   | mm   | mm   | mm   | mm   | mm   | mm   |                   |                                    |                                                                             |
| 4,0 | 22,0 | A04.ST22.A T                 | A2Q4                                                                          | 32,5 | 25,0 | 26,9 | 37,5 | 30,0 | 48,0 | 31,0 | ATKW              | T15F                               | A04.L   A04.R<br>A04.C.L   A04.C.R   A04.T                                  |
| 5,0 | 22,0 | A05.ST22.A T                 | A2Q6                                                                          | 32,5 | 25,0 | 26,9 | 37,5 | 30,0 | 48,0 | 31,0 | ATKW              | T15F                               | A05.L   A05.R   A05.T                                                       |
| 6,0 | 22,0 | A06.ST22.A T                 | A2Q8                                                                          | 32,5 | 25,0 | 26,9 | 37,5 | 30,0 | 48,0 | 31,0 | ATKW              | T15F                               | A06.L   A06.R   A06.T                                                       |
| 7,0 | 22,0 | A07.ST22.A T                 | A2SA                                                                          | 32,5 | 25,0 | 26,9 | 37,5 | 30,0 | 48,0 | 31,0 | ATKW              | T15F                               | A07.L   A07.R   A07.T                                                       |
| 8,0 | 22,0 | A08.ST22.A T                 | A2SC                                                                          | 32,5 | 25,0 | 26,9 | 37,5 | 30,0 | 48,0 | 31,0 | ATKW              | T15F                               | A08.L   A08.T                                                               |

Bestellbeispiel // Order example: A06.ST22.A T

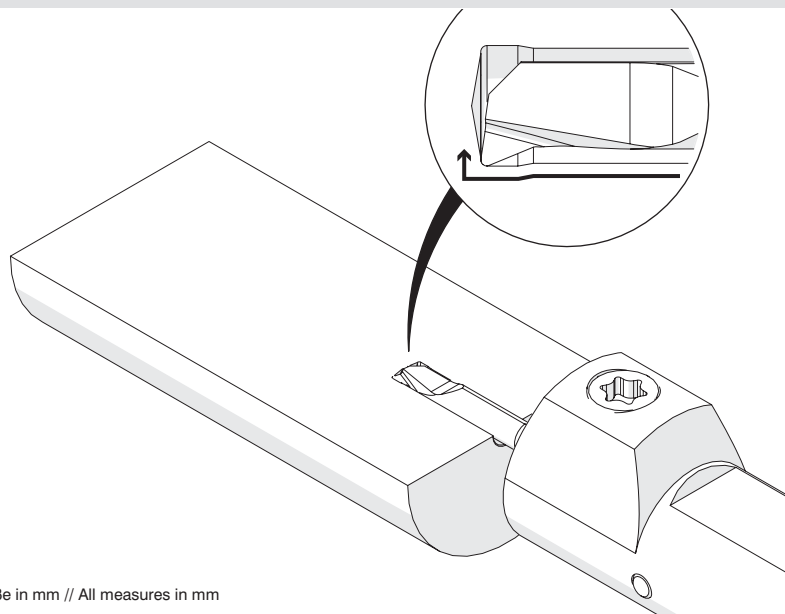
Detail A | 1 Halter – 4 Kühlmittelzufuhrarten // 1 Toolholder – 4 types of coolant supply



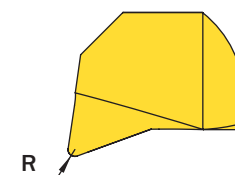
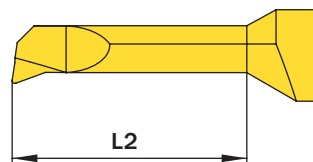
Eine Umschlüsselungsliste von Webcode zu Schrauben bzw. Spannmuttern finden Sie auf Seite 766.  
A conversion list from webcode to screws as well as standard screw nuts can be found on page 766.



# Ausdrehen Boring



Alle Maße in mm // All measures in mm



| Artikelnummer<br>Part number | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | L2   | R    | siehe Seite<br>see Page |
|------------------------------|-------------------------------------------|------|------|-------------------------|
| A04.5015.01.03.00 YR/L       | 0,3                                       | 1,2  | -    | 83                      |
| A04.5C15.01.03.00 YR/L       | 0,3                                       | 1,2  | -    | 83                      |
| A04.5020.01.04.00 YR/L       | 0,4                                       | 1,6  | -    | 83                      |
| A04.5C20.01.04.00 YR/L       | 0,4                                       | 1,6  | -    | 83                      |
| A04.5025.02.05.00 YR/L       | 0,5                                       | 2,0  | -    | 83                      |
| A04.5C25.02.05.00 YR/L       | 0,5                                       | 2,0  | -    | 83                      |
| A04.5030.02.06.00 YR/L       | 0,6                                       | 2,5  | -    | 83                      |
| A04.5C30.02.06.00 YR/L       | 0,6                                       | 2,5  | -    | 83                      |
| A04.5035.03.07.00 YR/L       | 0,7                                       | 3,6  | -    | 83                      |
| A04.5C35.03.07.00 YR/L       | 0,7                                       | 3,6  | -    | 83                      |
| A04.5040.04.08.00 YR/L       | 0,8                                       | 4,1  | -    | 83                      |
| A04.5C40.04.08.00 YR/L       | 0,8                                       | 4,1  | -    | 83                      |
| A04.5045.05.09.00 YR/L       | 0,9                                       | 5,1  | -    | 83                      |
| A04.5C45.05.09.00 YR/L       | 0,9                                       | 5,1  | -    | 83                      |
| A04.1804.06.10.05 YR/L       | 1,0                                       | -    | 0,05 | 84                      |
| A04.1C04.04.10.05 YR/L       | 1,0                                       | 4,1  | 0,05 | 84                      |
| A04.1804.04.10.10 YR/L       | 1,0                                       | 4,1  | 0,1  | 84                      |
| A04.1C04.04.10.10 YR/L       | 1,0                                       | 4,1  | 0,1  | 84                      |
| A04.1804.06.10.05 YR/L       | 1,0                                       | 6,1  | 0,05 | 84                      |
| A04.1C04.06.10.05 YR/L       | 1,0                                       | 6,1  | 0,05 | 84                      |
| A04.1804.06.10.10 YR/L       | 1,0                                       | 6,1  | 0,1  | 84                      |
| A04.1C04.06.10.10 YR/L       | 1,0                                       | 6,1  | 0,1  | 84                      |
| A04.1804.08.10.10 YR/L       | 1,0                                       | 8,1  | 0,1  | 84                      |
| A04.1C04.08.10.10 YR/L       | 1,0                                       | 8,1  | 0,1  | 84                      |
| A04.1805.04.12.10 YR/L       | 1,2                                       | 5,1  | 0,1  | 84                      |
| A04.1C05.04.12.10 YR/L       | 1,2                                       | 5,1  | 0,1  | 84                      |
| A04.1805.07.12.10 YR/L       | 1,2                                       | 7,1  | 0,1  | 84                      |
| A04.1C05.07.12.10 YR/L       | 1,2                                       | 7,1  | 0,1  | 84                      |
| A04.1805.09.12.10 YR/L       | 1,2                                       | 9,1  | 0,1  | 84                      |
| A04.1C05.09.12.10 YR/L       | 1,2                                       | 9,1  | 0,1  | 84                      |
| A04.1806.06.14.10 YR/L       | 1,4                                       | 6,1  | 0,1  | 84                      |
| A04.1C06.06.14.10 YR/L       | 1,4                                       | 6,1  | 0,1  | 84                      |
| A04.1806.10.14.10 YR/L       | 1,4                                       | 10,2 | 0,1  | 84                      |
| A04.1C06.10.14.10 YR/L       | 1,4                                       | 10,2 | 0,1  | 84                      |
| A04.1807.06.17.05 YR/L       | 1,7                                       | 6,1  | 0,05 | 86                      |
| A04.1C07.06.17.05 YR/L       | 1,7                                       | 6,1  | 0,05 | 86                      |
| A04.1807.06.17.10 YR/L       | 1,7                                       | 6,1  | 0,1  | 86                      |
| A04.1C07.06.17.10 YR/L       | 1,7                                       | 6,1  | 0,1  | 86                      |
| A04.1807.09.17.05 YR/L       | 1,7                                       | 9,1  | 0,05 | 86                      |
| A04.1C07.09.17.05 YR/L       | 1,7                                       | 9,1  | 0,05 | 86                      |
| A04.1807.09.17.10 YR/L       | 1,7                                       | 9,1  | 0,1  | 86                      |
| A04.1C07.09.17.10 YR/L       | 1,7                                       | 9,1  | 0,1  | 86                      |
| A04.1807.12.17.10 YR/L       | 1,7                                       | 12,2 | 0,1  | 86                      |
| A04.1C07.12.17.10 YR/L       | 1,7                                       | 12,2 | 0,1  | 86                      |
| A04.1808.09.19.10 YR/L       | 1,9                                       | 9,1  | 0,1  | 86                      |
| A04.1C08.09.19.10 YR/L       | 1,9                                       | 9,1  | 0,1  | 86                      |
| A04.1808.12.19.10 YR/L       | 1,9                                       | 12,2 | 0,1  | 86                      |
| A04.1C08.12.19.10 YR/L       | 1,9                                       | 12,2 | 0,1  | 86                      |
| A04.1808.13.19.10 YR/L       | 1,9                                       | 13,2 | 0,1  | 86                      |
| A04.1C08.13.19.10 YR/L       | 1,9                                       | 13,2 | 0,1  | 86                      |
| A04.1810.06.22.05 YR/L       | 2,2                                       | 6,0  | 0,05 | 87                      |
| A04.1C10.06.22.05 YR/L       | 2,2                                       | 6,0  | 0,05 | 87                      |

| Artikelnummer<br>Part number | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | L2   | R    | siehe Seite<br>see Page |
|------------------------------|-------------------------------------------|------|------|-------------------------|
| A04.1810.06.22.10 YR/L       | 2,2                                       | 6,0  | 0,1  | 87                      |
| A04.1C10.06.22.10 YR/L       | 2,2                                       | 6,0  | 0,1  | 87                      |
| A04.1810.09.22.05 YR/L       | 2,2                                       | 9,1  | 0,05 | 87                      |
| A04.1C10.09.22.05 YR/L       | 2,2                                       | 9,1  | 0,05 | 87                      |
| A04.1810.09.22.10 YR/L       | 2,2                                       | 9,1  | 0,1  | 87                      |
| A04.1C10.09.22.10 YR/L       | 2,2                                       | 9,1  | 0,1  | 87                      |
| A04.1810.13.22.10 YR/L       | 2,2                                       | 13,2 | 0,1  | 87                      |
| A04.1C10.13.22.10 YR/L       | 2,2                                       | 13,2 | 0,1  | 87                      |
| A04.1810.15.22.10 YR/L       | 2,2                                       | 15,2 | 0,1  | 87                      |
| A04.1C10.15.22.10 YR/L       | 2,2                                       | 15,2 | 0,1  | 87                      |
| A04.1812.10.27.03 YR/L       | 2,7                                       | 10,2 | 0,03 | 88                      |
| A04.1C12.10.27.03 YR/L       | 2,7                                       | 10,2 | 0,03 | 88                      |
| A04.1812.10.27.05 YR/L       | 2,7                                       | 10,2 | 0,05 | 86                      |
| A04.1C12.10.27.05 YR/L       | 2,7                                       | 10,2 | 0,05 | 86                      |
| A04.1812.10.27.15 YR/L       | 2,7                                       | 10,2 | 0,15 | 86                      |
| A04.1C12.10.27.15 YR/L       | 2,7                                       | 10,2 | 0,15 | 86                      |
| A04.1812.15.27.05 YR/L       | 2,7                                       | 15,2 | 0,05 | 86                      |
| A04.1C12.15.27.05 YR/L       | 2,7                                       | 15,2 | 0,05 | 86                      |
| A04.1812.15.27.15 YR/L       | 2,7                                       | 15,2 | 0,15 | 86                      |
| A04.1C12.15.27.15 YR/L       | 2,7                                       | 15,2 | 0,15 | 86                      |
| A04.1814.20.30.15 YR/L       | 3,0                                       | 20,3 | 0,15 | 89                      |
| A04.1C14.20.30.15 YR/L       | 3,0                                       | 20,3 | 0,15 | 89                      |
| A04.1814.25.30.05 YR/L       | 3,0                                       | 25,4 | 0,05 | 89                      |
| A04.1C14.25.30.05 YR/L       | 3,0                                       | 25,4 | 0,05 | 89                      |
| A04.1815.10.32.03 YR/L       | 3,2                                       | 10,2 | 0,03 | 89                      |
| A04.1C15.10.32.03 YR/L       | 3,2                                       | 10,2 | 0,03 | 89                      |
| A04.1815.10.32.05 YR/L       | 3,2                                       | 10,2 | 0,05 | 89                      |
| A04.1C15.10.32.05 YR/L       | 3,2                                       | 10,2 | 0,05 | 89                      |
| A04.1815.10.32.15 YR/L       | 3,2                                       | 10,2 | 0,15 | 89                      |
| A04.1C15.10.32.15 YR/L       | 3,2                                       | 10,2 | 0,15 | 89                      |
| A04.1815.15.32.05 YR/L       | 3,2                                       | 15,2 | 0,05 | 89                      |
| A04.1C15.15.32.05 YR/L       | 3,2                                       | 15,2 | 0,05 | 89                      |
| A04.1815.15.32.15 YR/L       | 3,2                                       | 15,2 | 0,15 | 89                      |
| A04.1C15.15.32.15 YR/L       | 3,2                                       | 15,2 | 0,15 | 89                      |
| A04.1815.20.32.05 YR/L       | 3,2                                       | 20,3 | 0,05 | 89                      |
| A04.1C15.20.32.05 YR/L       | 3,2                                       | 20,3 | 0,05 | 89                      |
| A04.1815.20.32.15 YR/L       | 3,2                                       | 20,3 | 0,15 | 89                      |
| A04.1C15.20.32.15 YR/L       | 3,2                                       | 20,3 | 0,15 | 89                      |
| A04.1815.25.32.15 YR/L       | 3,2                                       | 25,4 | 0,15 | 89                      |
| A04.1C15.25.32.15 YR/L       | 3,2                                       | 25,4 | 0,15 | 89                      |
| A04.1817.10.37.15 YR/L       | 3,7                                       | 10,2 | 0,15 | 90                      |
| A04.1C17.10.37.15 YR/L       | 3,7                                       | 10,2 | 0,15 | 90                      |
| A04.1817.15.37.15 YR/L       | 3,7                                       | 15,2 | 0,15 | 90                      |
| A04.1C17.15.37.15 YR/L       | 3,7                                       | 15,2 | 0,15 | 90                      |
| A04.1817.20.37.05 YR/L       | 3,7                                       | 20,3 | 0,05 | 90                      |
| A04.1C17.20.37.05 YR/L       | 3,7                                       | 20,3 | 0,05 | 90                      |
| A04.1817.20.37.15 YR/L       | 3,7                                       | 20,3 | 0,15 | 90                      |
| A04.1C17.20.37.15 YR/L       | 3,7                                       | 20,3 | 0,15 | 90                      |
| A04.1817.25.37.10 YR/L       | 3,7                                       | 25,4 | 0,1  | 90                      |
| A04.1C17.25.37.10 YR/L       | 3,7                                       | 25,4 | 0,1  | 90                      |
| A04.1817.30.37.10 YR/L       | 3,7                                       | 30,5 | 0,1  | 90                      |
| A04.1C17.30.37.10 YR/L       | 3,7                                       | 30,5 | 0,1  | 90                      |
| A04.1820.10.42.03 YR/L       | 4,2                                       | 10,2 | 0,03 | 91                      |

| Artikelnummer<br>Part number | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | L2   | R    | siehe Seite<br>see Page |
|------------------------------|-------------------------------------------|------|------|-------------------------|
| A04.1820.10.42.05 YR/L       | 4,2                                       | 10,2 | 0,05 | 91                      |
| A04.1820.10.42.15 YR/L       | 4,2                                       | 10,2 | 0,15 | 91                      |
| A04.1820.15.42.03 YR/L       | 4,2                                       | 15,2 | 0,03 | 91                      |
| A04.1820.15.42.05 YR/L       | 4,2                                       | 15,2 | 0,05 | 91                      |
| A04.1820.15.42.15 YR/L       | 4,2                                       | 15,2 | 0,15 | 91                      |
| A04.1820.20.42.03 YR/L       | 4,2                                       | 20,3 | 0,03 | 91                      |
| A04.1820.20.42.05 YR/L       | 4,2                                       | 20,3 | 0,05 | 91                      |
| A04.1820.20.42.15 YR/L       | 4,2                                       | 20,3 | 0,15 | 91                      |
| A04.1820.25.42.05 YR/L       | 4,2                                       | 25,4 | 0,05 | 91                      |
| A04.1820.25.42.15 YR/L       | 4,2                                       | 25,4 | 0,15 | 91                      |
| A04.1820.30.42.05 YR/L       | 4,2                                       | 30,5 | 0,05 | 91                      |
| A04.1820.35.42.05 YR/L       | 4,2                                       | 35,6 | 0,05 | 91                      |
| A04.A.18.48.47.15 YR         | 4,7                                       | -    | 0,15 | 102                     |
| A05.1825.20.49.20 YR/L       | 4,9                                       | 20,3 | 0,2  | 92                      |
| A05.1825.25.49.20 YR/L       | 4,9                                       | 25,4 | 0,2  | 92                      |
| A05.1825.30.49.05 YR/L       | 4,9                                       | 30,5 | 0,05 | 92                      |
| A05.1825.30.49.20 YR/L       | 4,9                                       | 30,5 | 0,2  | 92                      |
| A05.1825.35.49.20 YR/L       | 4,9                                       | 35,6 | 0,2  | 92                      |
| A05.1825.40.49.20 YR/L       | 4,9                                       | 40,6 | 0,2  | 92                      |
| A05.1825.10.52.05 YR/L       | 5,2                                       | 10,2 | 0,05 | 93                      |
| A05.1825.10.52.20 YR/L       | 5,2                                       | 10,2 | 0,2  | 93                      |
| A05.1825.15.52.03 YR/L       | 5,2                                       | 15,2 | 0,03 | 93                      |
| A05.1825.15.52.05 YR/L       | 5,2                                       | 15,2 | 0,05 | 93                      |
| A05.1825.15.52.20 YR/L       | 5,2                                       | 15,2 | 0,2  | 93                      |
| A05.1825.20.52.05 YR/L       | 5,2                                       | 20,3 | 0,05 | 93                      |
| A05.1825.20.52.20 YR/L       | 5,2                                       | 20,3 | 0,2  | 93                      |
| A05.1825.25.52.20 YR/L       | 5,2                                       | 25,4 | 0,2  | 93                      |
| A05.1825.30.52.05 YR/L       | 5,2                                       | 30,5 | 0,05 | 93                      |
| A05.1825.30.52.20 YR/L       | 5,2                                       | 30,5 | 0,2  | 93                      |
| A05.1825.35.52.20 YR/L       | 5,2                                       | 35,6 | 0,2  | 93                      |
| A05.1825.40.52.20 YR/L       | 5,2                                       | 40,6 | 0,2  | 93                      |
| A06.1830.35.59.20 YR/L       | 5,9                                       | 35,6 | 0,2  | 94                      |
| A06.1830.40.59.20 YR/L       | 5,9                                       | 40,6 | 0,2  | 94                      |
| A06.1830.45.59.20 YR/L       | 5,9                                       | 45,7 | 0,2  | 94                      |
| A06.1830.15.62.20 YR/L       | 6,2                                       | 15,2 | 0,2  | 95                      |
| A06.1830.20.62.05 YR/L       | 6,2                                       | 20,3 | 0,05 | 95                      |
| A06.1830.20.62.20 YR/L       | 6,2                                       | 20,3 | 0,2  | 95                      |
| A06.1830.25.62.20 YR/L       | 6,2                                       | 25,4 | 0,2  | 95                      |
| A06.1830.30.62.20 YR/L       | 6,2                                       | 30,5 | 0,05 | 95                      |
| A06.1830.30.62.05 YR/L       | 6,2                                       | 30,5 | 0,2  | 95                      |
| A06.1830.35.62.20 YR/L       | 6,2                                       | 35,6 | 0,2  | 95                      |
| A06.1830.40.62.20 YR/L       | 6,2                                       | 40,6 | 0,2  | 95                      |
| A06.1830.50.62.20 YR/L       | 6,2                                       | 50,8 | 0,2  | 95                      |
| A07.1835.25.72.20 YR/L       | 7,2                                       | 25,4 | 0,2  | 95                      |
| A07.1835.30.72.20 YR/L       | 7,2                                       | 30,5 | 0,2  | 95                      |
| A07.1835.35.72.20 YR/L       | 7,2                                       | 35,6 | 0,2  | 95                      |
| A07.1835.40.72.20 YR/L       | 7,2                                       | 40,6 | 0,2  | 95                      |
| A07.1835.45.72.20 YR/L       | 7,2                                       | 45,7 | 0,2  | 95                      |
| A07.1835.50.72.20 YR/L       | 7,2                                       | 50,8 | 0,2  | 95                      |
| A07.1835.60.72.20 YR/L       | 7,2                                       | 60,8 | 0,2  | 95                      |

# Ausdrehen

Geeignet ab Bohrungsdurchmesser 0,3 mm.

## Boring

For use in bores as of minimum bore diameter 0,3 mm.

Schnittwerte (Start) // Cutting parameters (start)

f 0,02 mm/U Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

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65, 68, 69, 70, 73, 75, 76, 78, 79,  
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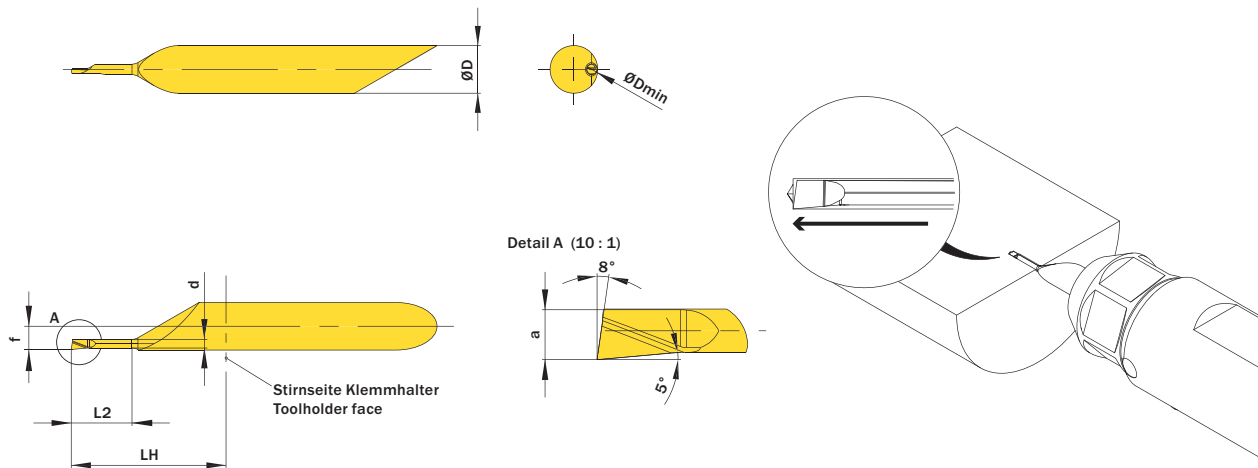
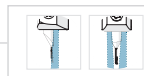


Abbildung zeigt / Drawing shows: A04.5C45.05.09.00 Y R



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | L2  | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode | a    | d    | f    | LH   | Connectcode<br>www.simtek.com/code |
|------------------------------------------------------|-----|-------------------------------------------|----|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------------------------------------|
| mm                                                   | mm  | mm                                        | mm |                                            |                              |                                   | P K M N S H O                                                                                                                                | mm   | mm   | mm   | mm   |                                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 0,3 mm |     |                                           |    |                                            |                              |                                   |                                                                                                                                              |      |      |      |      |                                    |
| 4,0                                                  | 1,2 | 0,3                                       | -  | -                                          | A04.5015.01.03.00 YR/L       | R AMZP L ANTU                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,25 | 0,19 | 0,1  | 13,0 | R A04.R L A04.L                    |
| 4,0                                                  | 1,2 | 0,3                                       | -  | +                                          | A04.5C15.01.03.00 YR/L       | R AW9E L AW99                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,25 | 0,19 | 1,95 | 13,0 | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 0,4 mm |     |                                           |    |                                            |                              |                                   |                                                                                                                                              |      |      |      |      |                                    |
| 4,0                                                  | 1,6 | 0,4                                       | -  | -                                          | A04.5020.01.04.00 YR/L       | R AHJV L AFUM                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,35 | 0,28 | 0,15 | 13,0 | R A04.R L A04.L                    |
| 4,0                                                  | 1,6 | 0,4                                       | -  | +                                          | A04.5C20.01.04.00 YR/L       | R AW9F L AXAA                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,35 | 0,28 | 1,95 | 13,0 | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 0,5 mm |     |                                           |    |                                            |                              |                                   |                                                                                                                                              |      |      |      |      |                                    |
| 4,0                                                  | 2,0 | 0,5                                       | -  | -                                          | A04.5025.02.05.00 YR/L       | R AASX L AK4W                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,45 | 0,37 | 0,2  | 13,0 | R A04.R L A04.L                    |
| 4,0                                                  | 2,0 | 0,5                                       | -  | +                                          | A04.5C25.02.05.00 YR/L       | R ABJW L ABH9                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,45 | 0,37 | 1,95 | 13,0 | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 0,6 mm |     |                                           |    |                                            |                              |                                   |                                                                                                                                              |      |      |      |      |                                    |
| 4,0                                                  | 2,5 | 0,6                                       | -  | -                                          | A04.5030.02.06.00 YR/L       | R APAZ L AH1C                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,55 | 0,46 | 0,25 | 13,0 | R A04.R L A04.L                    |
| 4,0                                                  | 2,5 | 0,6                                       | -  | +                                          | A04.5C30.02.06.00 YR/L       | R APVN L ANA8                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,55 | 0,46 | 1,95 | 13,0 | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 0,7 mm |     |                                           |    |                                            |                              |                                   |                                                                                                                                              |      |      |      |      |                                    |
| 4,0                                                  | 3,6 | 0,7                                       | -  | -                                          | A04.5035.03.07.00 YR/L       | R AP2U L ADPH                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,65 | 0,55 | 0,3  | 13,0 | R A04.R L A04.L                    |
| 4,0                                                  | 3,6 | 0,7                                       | -  | +                                          | A04.5C35.03.07.00 YR/L       | R AB9W L AEYB                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,65 | 0,55 | 1,95 | 13,0 | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 0,8 mm |     |                                           |    |                                            |                              |                                   |                                                                                                                                              |      |      |      |      |                                    |
| 4,0                                                  | 4,1 | 0,8                                       | -  | -                                          | A04.5040.04.08.00 YR/L       | R AJ56 L AHP9                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,75 | 0,64 | 0,35 | 13,0 | R A04.R L A04.L                    |
| 4,0                                                  | 4,1 | 0,8                                       | -  | +                                          | A04.5C40.04.08.00 YR/L       | R AJ4N L AEWY                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,75 | 0,64 | 1,95 | 13,0 | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 0,9 mm |     |                                           |    |                                            |                              |                                   |                                                                                                                                              |      |      |      |      |                                    |
| 4,0                                                  | 5,1 | 0,9                                       | -  | -                                          | A04.5045.05.09.00 YR/L       | R AN0X L ACN2                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,85 | 0,73 | 0,4  | 13,0 | R A04.R L A04.L                    |
| 4,0                                                  | 5,1 | 0,9                                       | -  | +                                          | A04.5C45.05.09.00 YR/L       | R ADKP L AMVH                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 0,85 | 0,73 | 1,95 | 13,0 | R A04C.R L A04C.L                  |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.5040.04.08.00 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Ausdrehen

Geeignet ab Bohrungsdurchmesser 1,0 mm.

## Boring

For use in bores as of minimum bore diameter 1,0 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 46, 47, 48, 54, 55, 57, 64,  
65, 68, 69, 70, 73, 75, 76, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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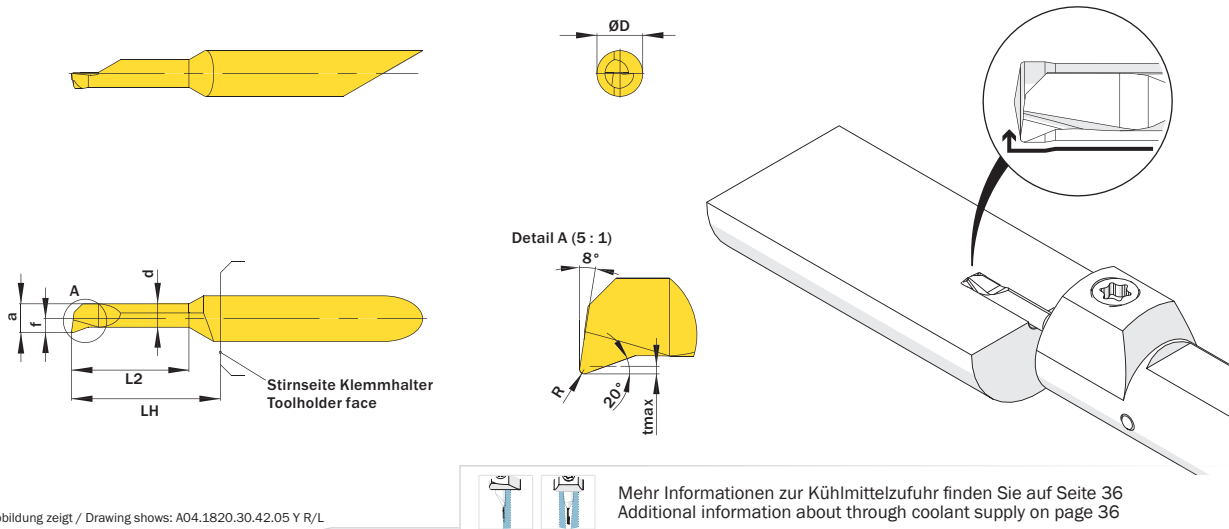
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[www.simtek.info/cp/1044](http://www.simtek.info/cp/1044)

Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | PKMNSH O                                                     | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,0 mm

|     |     |     |      |   |                        |               |      |      |      |      |      |      |      |      |      |     |   |         |   |         |     |
|-----|-----|-----|------|---|------------------------|---------------|------|------|------|------|------|------|------|------|------|-----|---|---------|---|---------|-----|
| 4,0 | -   | 1,0 | 0,05 | - | A04.1804.04.10.05 YR/L | R AMGN L AK3Z | X800 | X400 | GX79 | X500 | X400 | 0,95 | 0,65 | 0,45 | 13,0 | 0,1 | R | A04.R   | L | A04.L   | upd |
| 4,0 | 4,1 | 1,0 | 0,05 | + | A04.1C04.04.10.05 YR/L | R AW9G L AXAB | X800 | X400 | GX79 | X500 | X400 | 0,95 | 0,65 | 1,95 | 13,0 | 0,1 | R | A04.C.R | L | A04.C.L |     |
| 4,0 | 4,1 | 1,0 | 0,1  | - | A04.1804.04.10.10 YR/L | R AH77 L ADKJ | X800 | X400 | GX79 | X500 | X400 | 0,95 | 0,65 | 0,45 | 13,0 | 0,1 | R | A04.R   | L | A04.L   |     |
| 4,0 | 4,1 | 1,0 | 0,1  | + | A04.1C04.04.10.10 YR/L | R AHJJ L AFJE | X800 | X400 | GX79 | X500 | X400 | 0,95 | 0,65 | 1,95 | 13,0 | 0,1 | R | A04.C.R | L | A04.C.L |     |
| 4,0 | 6,1 | 1,0 | 0,05 | - | A04.1804.06.10.05 YR/L | R AHGX L APQV | X800 | X400 | GX79 | X500 | X400 | 0,95 | 0,65 | 0,45 | 13,0 | 0,1 | R | A04.R   | L | A04.L   |     |
| 4,0 | 6,1 | 1,0 | 0,05 | + | A04.1C04.06.10.05 YR/L | R AW9H L AXAC | X800 | X400 | GX79 | X500 | X400 | 0,95 | 0,65 | 1,95 | 13,0 | 0,1 | R | A04.C.R | L | A04.C.L |     |
| 4,0 | 6,1 | 1,0 | 0,1  | - | A04.1804.06.10.10 YR/L | R ADN1 L AASJ | X800 | X400 | GX79 | X500 | X400 | 0,95 | 0,65 | 0,45 | 13,0 | 0,1 | R | A04.R   | L | A04.L   |     |
| 4,0 | 6,1 | 1,0 | 0,1  | + | A04.1C04.06.10.10 YR/L | R AJGF L AMNZ | X800 | X400 | GX79 | X500 | X400 | 0,95 | 0,65 | 1,95 | 13,0 | 0,1 | R | A04.C.R | L | A04.C.L |     |
| 4,0 | 8,1 | 1,0 | 0,1  | - | A04.1804.08.10.10 YR/L | R AJHB L AEXS | X800 | X400 | GX79 | X500 | X400 | 0,95 | 0,65 | 0,45 | 13,0 | 0,1 | R | A04.R   | L | A04.L   |     |
| 4,0 | 8,1 | 1,0 | 0,1  | + | A04.1C04.08.10.10 YR/L | R ANWW L AJEK | X800 | X400 | GX79 | X500 | X400 | 0,95 | 0,65 | 1,95 | 13,0 | 0,1 | R | A04.C.R | L | A04.C.L |     |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,2 mm

|     |     |     |     |   |                        |               |      |      |      |      |      |     |     |      |      |     |   |         |   |         |  |
|-----|-----|-----|-----|---|------------------------|---------------|------|------|------|------|------|-----|-----|------|------|-----|---|---------|---|---------|--|
| 4,0 | 5,1 | 1,2 | 0,1 | - | A04.1805.04.12.10 YR/L | R A517 L A519 | X800 | X400 | GX79 | X500 | X400 | 1,1 | 0,8 | 0,55 | 13,0 | 0,1 | R | A04.R   | L | A04.L   |  |
| 4,0 | 5,1 | 1,2 | 0,1 | + | A04.1C05.04.12.10 YR/L | R AW3A L AW29 | X800 | X400 | GX79 | X500 | X400 | 1,1 | 0,8 | 1,95 | 13,0 | 0,1 | R | A04.C.R | L | A04.C.L |  |
| 4,0 | 7,1 | 1,2 | 0,1 | - | A04.1805.07.12.10 YR/L | R A52D L A52B | X800 | X400 | GX79 | X500 | X400 | 1,1 | 0,8 | 0,55 | 13,0 | 0,1 | R | A04.R   | L | A04.L   |  |
| 4,0 | 7,1 | 1,2 | 0,1 | + | A04.1C05.07.12.10 YR/L | R AW3C L AW3B | X800 | X400 | GX79 | X500 | X400 | 1,1 | 0,8 | 1,95 | 13,0 | 0,1 | R | A04.C.R | L | A04.C.L |  |
| 4,0 | 9,1 | 1,2 | 0,1 | - | A04.1805.09.12.10 YR/L | R A52K L A52F | X800 | X400 | GX79 | X500 | X400 | 1,1 | 0,8 | 0,55 | 13,0 | 0,1 | R | A04.R   | L | A04.L   |  |
| 4,0 | 9,1 | 1,2 | 0,1 | + | A04.1C05.09.12.10 YR/L | R AW3E L AW3D | X800 | X400 | GX79 | X500 | X400 | 1,1 | 0,8 | 1,95 | 13,0 | 0,1 | R | A04.C.R | L | A04.C.L |  |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1804.06.10.10 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Ausdrehen

Geeignet ab Bohrungsdurchmesser 1,4 mm.

## Boring

For use in bores as of minimum bore diameter 1,4 mm.

Schnittwerte (Start) // Cutting parameters (start)

$f$  0,02 mm/U  $V_c$  (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

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80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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Legende  
Legend 155



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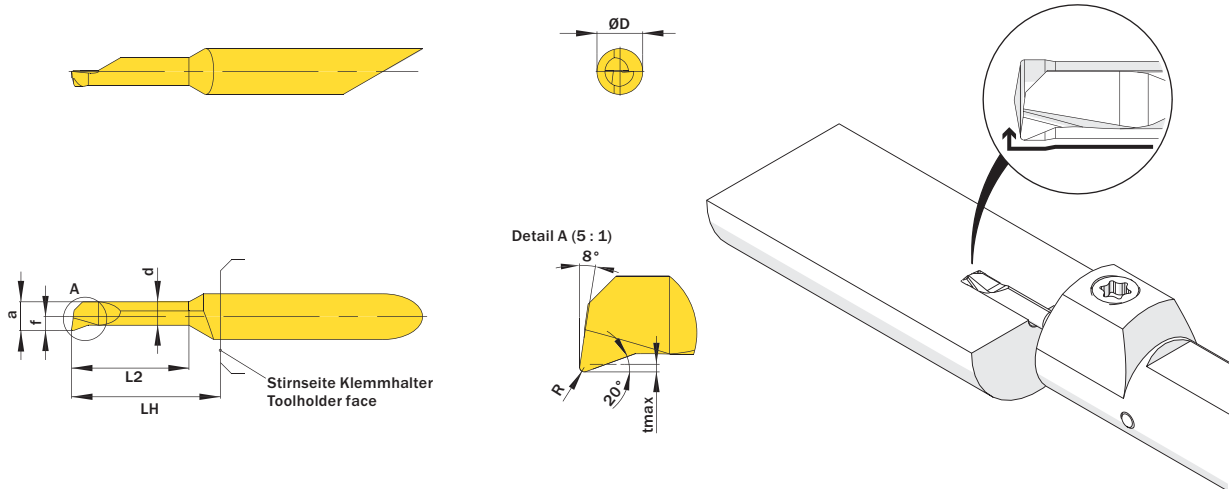


Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L

| $\emptyset D$ | L2 | $\emptyset D_{min}$ (Min. Bohrung)<br>$\emptyset D_{min}$ (min. bore) | R  | Kühlmittelezufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a><br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|---------------|----|-----------------------------------------------------------------------|----|---------------------------------------------|------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm            | mm | mm                                                                    | mm |                                             |                              |                                                                               | P K M N S H O                                                                                                                                                                                                                                                                                                           | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

▼  $\emptyset D_{min}$  (Min. Bohrung) //  $\emptyset D_{min}$  (min. bore) = 1,4 mm

|     |      |     |     |   |                        |               |                          |      |     |      |      |      |                   |
|-----|------|-----|-----|---|------------------------|---------------|--------------------------|------|-----|------|------|------|-------------------|
| 4,0 | 6,1  | 1,4 | 0,1 | - | A04.1806.06.14.10 YR/L | R A52Q L A52N | X800 X400 GX79 X500 X400 | 1,25 | 0,9 | 0,6  | 13,0 | 0,15 | R A04.R L A04.L   |
| 4,0 | 6,1  | 1,4 | 0,1 | + | A04.1C06.06.14.10 YR/L | R AW3G L AW3F | X800 X400 GX79 X500 X400 | 1,25 | 0,9 | 1,95 | 13,0 | 0,15 | R A04C.R L A04C.L |
| 4,0 | 10,2 | 1,4 | 0,1 | - | A04.1806.10.14.10 YR/L | R A52V L A52T | X800 X400 GX79 X500 X400 | 1,25 | 0,9 | 0,6  | 13,0 | 0,15 | R A04.R L A04.L   |
| 4,0 | 10,2 | 1,4 | 0,1 | + | A04.1C06.10.14.10 YR/L | R AW3J L AW3H | X800 X400 GX79 X500 X400 | 1,25 | 0,9 | 1,95 | 13,0 | 0,15 | R A04C.R L A04C.L |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1804.06.10.10 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Ausdrehen

Geeignet ab Bohrungsdurchmesser 1,7 mm.

## Boring

For use in bores as of minimum bore diameter 1,7 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 46, 47, 48, 54, 55, 57, 64,  
65, 68, 69, 70, 73, 75, 76, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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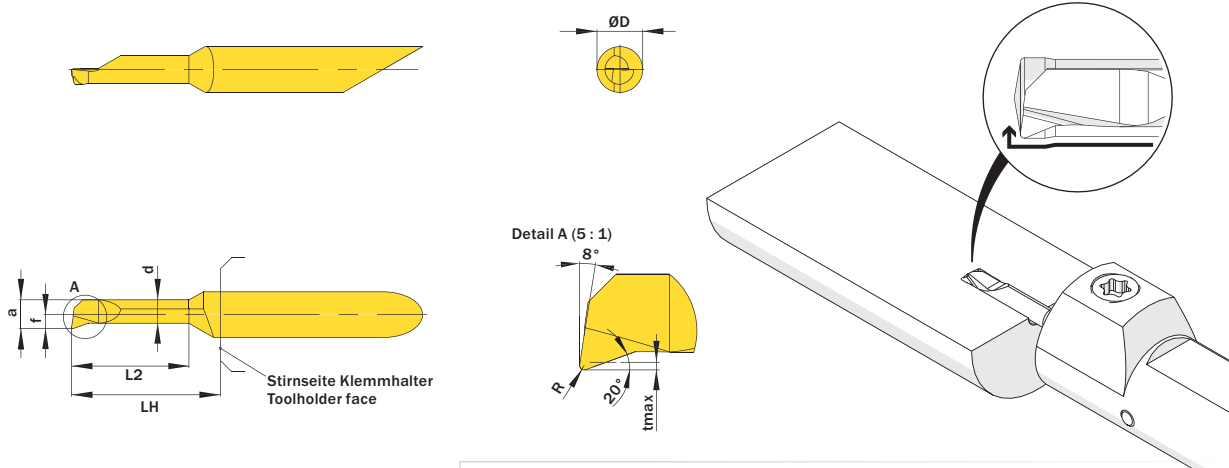
Legende  
Legend 155Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1054](http://www.simtek.info/cp/1054)

Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | PKMNSH O                                                  | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,7 mm

|     |      |     |      |   |                        |               |      |      |      |      |      |      |      |      |      |     |   |         |   |         |
|-----|------|-----|------|---|------------------------|---------------|------|------|------|------|------|------|------|------|------|-----|---|---------|---|---------|
| 4,0 | 6,1  | 1,7 | 0,05 | - | A04.1807.06.17.05 YR/L | R ABA5 L ADK9 | X800 | X400 | GX79 | X500 | X400 | 1,45 | 1,05 | 0,7  | 13,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 6,1  | 1,7 | 0,05 | + | A04.1C07.06.17.05 YR/L | R AW9J L AXAD | X800 | X400 | GX79 | X500 | X400 | 1,45 | 1,05 | 1,95 | 13,0 | 0,2 | R | A04.C.R | L | A04.C.L |
| 4,0 | 6,1  | 1,7 | 0,1  | - | A04.1807.06.17.10 YR/L | R AEAZ L APEV | X800 | X400 | GX79 | X500 | X400 | 1,45 | 1,05 | 0,7  | 13,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 6,1  | 1,7 | 0,1  | + | A04.1C07.06.17.10 YR/L | R AF0J L ANPT | X800 | X400 | GX79 | X500 | X400 | 1,45 | 1,05 | 1,95 | 13,0 | 0,2 | R | A04.C.R | L | A04.C.L |
| 4,0 | 9,1  | 1,7 | 0,05 | - | A04.1807.09.17.05 YR/L | R AEHH L AJZB | X800 | X400 | GX79 | X500 | X400 | 1,45 | 1,05 | 0,7  | 13,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 9,1  | 1,7 | 0,05 | + | A04.1C07.09.17.05 YR/L | R AW9K L AXAE | X800 | X400 | GX79 | X500 | X400 | 1,45 | 1,05 | 1,95 | 13,0 | 0,2 | R | A04.C.R | L | A04.C.L |
| 4,0 | 9,1  | 1,7 | 0,1  | - | A04.1807.09.17.10 YR/L | R AD7Q L AGHY | X800 | X400 | GX79 | X500 | X400 | 1,45 | 1,05 | 0,7  | 13,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 9,1  | 1,7 | 0,1  | + | A04.1C07.09.17.10 YR/L | R ANYC L AKAA | X800 | X400 | GX79 | X500 | X400 | 1,45 | 1,05 | 1,95 | 13,0 | 0,2 | R | A04.C.R | L | A04.C.L |
| 4,0 | 12,2 | 1,7 | 0,1  | - | A04.1807.12.17.10 YR/L | R A53F L A53D | X800 | X400 | GX79 | X500 | X400 | 1,45 | 1,05 | 0,7  | 18,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 12,2 | 1,7 | 0,1  | + | A04.1C07.12.17.10 YR/L | R A199 L A53B | X800 | X400 | GX79 | X500 | X400 | 1,45 | 1,05 | 1,95 | 18,0 | 0,2 | R | A04.C.R | L | A04.C.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,9 mm

|     |      |     |     |   |                        |               |      |      |      |      |      |      |      |      |      |     |   |         |   |         |
|-----|------|-----|-----|---|------------------------|---------------|------|------|------|------|------|------|------|------|------|-----|---|---------|---|---------|
| 4,0 | 9,1  | 1,9 | 0,1 | - | A04.1808.09.19.10 YR/L | R A52Z L A52X | X800 | X400 | GX79 | X500 | X400 | 1,65 | 1,25 | 0,85 | 13,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 9,1  | 1,9 | 0,1 | + | A04.1C08.09.19.10 YR/L | R AW3M L AW3K | X800 | X400 | GX79 | X500 | X400 | 1,65 | 1,25 | 1,95 | 13,0 | 0,2 | R | A04.C.R | L | A04.C.L |
| 4,0 | 12,2 | 1,9 | 0,1 | - | A04.1808.12.19.10 YR/L | R A523 L A521 | X800 | X400 | GX79 | X500 | X400 | 1,65 | 1,25 | 0,85 | 18,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 12,2 | 1,9 | 0,1 | + | A04.1C08.12.19.10 YR/L | R AW3P L AW3N | X800 | X400 | GX79 | X500 | X400 | 1,65 | 1,25 | 1,95 | 18,0 | 0,2 | R | A04.C.R | L | A04.C.L |
| 4,0 | 13,2 | 1,9 | 0,1 | - | A04.1808.13.19.10 YR/L | R A529 L A527 | X800 | X400 | GX79 | X500 | X400 | 1,65 | 1,25 | 0,85 | 18,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 13,2 | 1,9 | 0,1 | + | A04.1C08.13.19.10 YR/L | R A2AA L A525 | X800 | X400 | GX79 | X500 | X400 | 1,65 | 1,25 | 1,95 | 18,0 | 0,2 | R | A04.C.R | L | A04.C.L |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1807.06.17.10 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Ausdrehen

Geeignet ab Bohrungsdurchmesser 2,2 mm.

## Boring

For use in bores as of minimum bore diameter 2,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 46, 47, 48, 54, 55, 57, 64,  
65, 68, 69, 70, 73, 75, 76, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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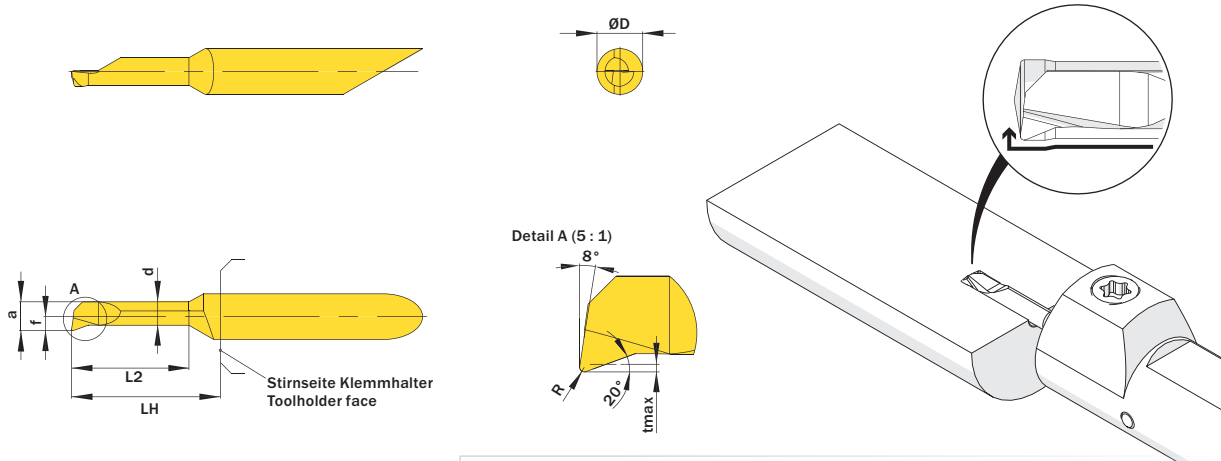
Legende  
Legend 155Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/1038](http://www.simtek.info/cp/1038)

Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                                                                   | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | PKMNSH O<br>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,2 mm

|     |      |     |      |   |                        |               |                               |      |      |      |      |     |                   |     |
|-----|------|-----|------|---|------------------------|---------------|-------------------------------|------|------|------|------|-----|-------------------|-----|
| 4,0 | 6,0  | 2,2 | 0,05 | • | A04.1810.06.22.05 YR/L | R AEWA L AHNE | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 0,95 | 13,0 | 0,2 | R A04.R L A04.L   | upd |
| 4,0 | 6,0  | 2,2 | 0,05 | + | A04.1C10.06.22.05 YR/L | R AW9M L AXAF | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 1,95 | 13,0 | 0,2 | R A04C.R L A04C.L | upd |
| 4,0 | 6,0  | 2,2 | 0,1  | • | A04.1810.06.22.10 YR/L | R AMKG L ABK2 | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 0,95 | 13,0 | 0,2 | R A04.R L A04.L   | upd |
| 4,0 | 6,0  | 2,2 | 0,1  | + | A04.1C10.06.22.10 YR/L | R ABCM L AKQQ | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 1,95 | 13,0 | 0,2 | R A04C.R L A04C.L | upd |
| 4,0 | 9,1  | 2,2 | 0,05 | • | A04.1810.09.22.05 YR/L | R AFEA L AEVE | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 0,95 | 13,0 | 0,2 | R A04.R L A04.L   |     |
| 4,0 | 9,1  | 2,2 | 0,05 | + | A04.1C10.09.22.05 YR/L | R AW9N L AXAG | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 1,95 | 13,0 | 0,2 | R A04C.R L A04C.L |     |
| 4,0 | 9,1  | 2,2 | 0,1  | • | A04.1810.09.22.10 YR/L | R AM4S L AA7F | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 0,95 | 13,0 | 0,2 | R A04.R L A04.L   |     |
| 4,0 | 9,1  | 2,2 | 0,1  | + | A04.1C10.09.22.10 YR/L | R ABD9 L AMX3 | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 1,95 | 13,0 | 0,2 | R A04C.R L A04C.L |     |
| 4,0 | 13,2 | 2,2 | 0,1  | • | A04.1810.13.22.10 YR/L | R AKP9 L AJ36 | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 0,95 | 18,0 | 0,2 | R A04.R L A04.L   |     |
| 4,0 | 13,2 | 2,2 | 0,1  | + | A04.1C10.13.22.10 YR/L | R AGGH L AEBZ | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 1,95 | 18,0 | 0,2 | R A04C.R L A04C.L |     |
| 4,0 | 15,2 | 2,2 | 0,1  | + | A04.1C10.15.22.10 YR   | A2AB          | X800 X400 X600 GX79 X500 X400 | 1,95 | 1,55 | 1,95 | 23,0 | 0,2 | A04C.R            |     |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1812.10.27.15 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Ausdrehen

Geeignet ab Bohrungsdurchmesser 2,7 mm.

## Boring

For use in bores as of minimum bore diameter 2,7 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 46, 47, 48, 54, 55, 57, 64,  
65, 68, 69, 70, 73, 75, 76, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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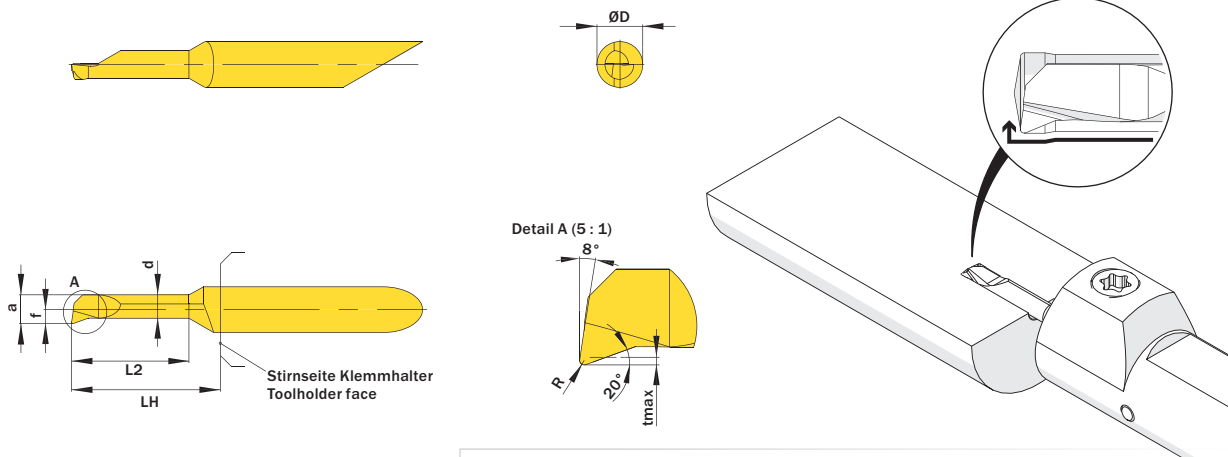
SP  
HM  
RLegende  
Legend 155Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1038](http://www.simtek.info/cp/1038)

Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                                                                         | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | PKMNSH O<br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,7 mm

|     |      |     |      |   |                        |        |         |      |      |      |      |      |      |      |      |      |     |   |        |   |        |
|-----|------|-----|------|---|------------------------|--------|---------|------|------|------|------|------|------|------|------|------|-----|---|--------|---|--------|
| 4,0 | 10,2 | 2,7 | 0,03 | ● | A04.1812.10.27.03 YR/L | R AKG6 | L AHF1  | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,2  | 13,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0 | 10,2 | 2,7 | 0,03 | + | A04.1C12.10.27.03 YR/L | R AW9P | L AXAH  | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,95 | 13,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0 | 10,2 | 2,7 | 0,05 | ● | A04.1812.10.27.05 YR/L | R AFXD | L AFBVH | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,2  | 13,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0 | 10,2 | 2,7 | 0,05 | + | A04.1C12.10.27.05 YR/L | R AW9Q | L AXAJ  | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,95 | 13,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0 | 10,2 | 2,7 | 0,15 | ● | A04.1812.10.27.15 YR/L | R AH2M | L ACX1  | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,2  | 13,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0 | 10,2 | 2,7 | 0,15 | + | A04.1C12.10.27.15 YR/L | R AJ8J | L AJØ1  | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,95 | 13,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0 | 15,2 | 2,7 | 0,05 | ● | A04.1812.15.27.05 YR/L | R ANPQ | L AEK2  | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,2  | 18,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0 | 15,2 | 2,7 | 0,05 | + | A04.1C12.15.27.05 YR/L | R AW9S | L AXAK  | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,95 | 18,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0 | 15,2 | 2,7 | 0,15 | ● | A04.1812.15.27.15 YR/L | R AA95 | L AJKP  | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,2  | 18,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0 | 15,2 | 2,7 | 0,15 | + | A04.1C12.15.27.15 YR/L | R AB8C | L AAQ1  | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,95 | 18,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0 | 20,3 | 2,7 | 0,15 | + | A04.1C12.20.27.15 YR   | A2AC   |         | X800 | X400 | GX79 | X500 | X400 | 2,45 | 2,05 | 1,95 | 28,0 | 0,2 |   |        |   | A04C.R |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1812.10.27.15 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Ausdrehen

Geeignet ab Bohrungsdurchmesser 3,0 mm.

## Boring

For use in bores as of minimum bore diameter 3,0 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 46, 47, 48, 54, 55, 57, 64,  
65, 68, 69, 70, 73, 75, 76, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

82

SP  
HM

R

Legende  
Legend

155

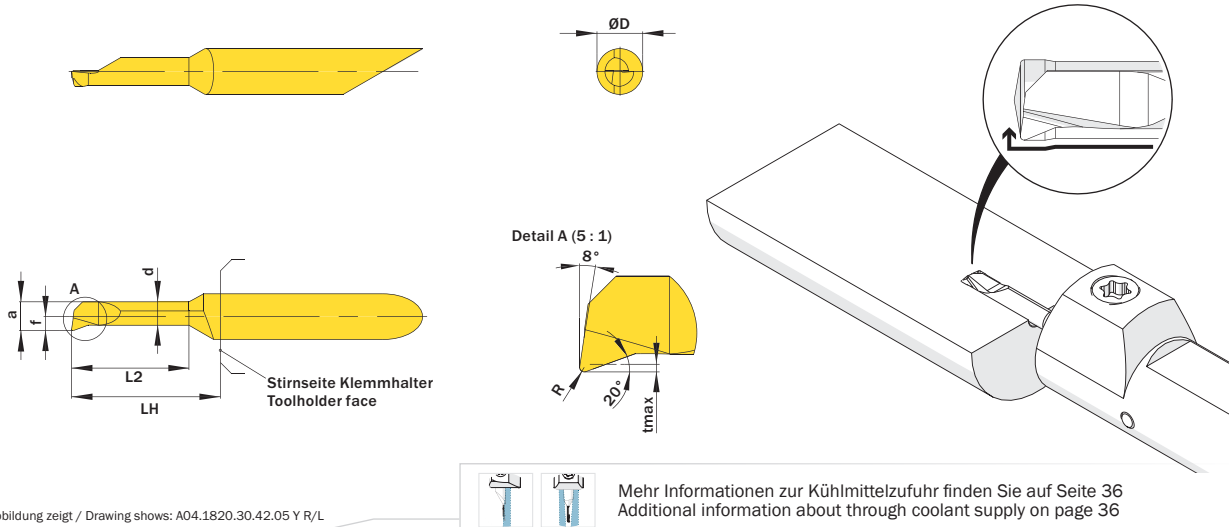
Scan  
QR-CodeOder besuchen Sie // Or Visit  
www.simtek.info/cp/1039

Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a  | d  | f  | LH | tmax | Connectcode<br>www.simtek.com/code |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|----|----|----|----|------|------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                   | PKMNSH O                                                     | mm | mm | mm | mm | mm   |                                    |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,0 mm

|                                                      |      |     |      |   |                        |        |        |      |      |      |      |      |      |      |      |      |     |   |        |   |        |
|------------------------------------------------------|------|-----|------|---|------------------------|--------|--------|------|------|------|------|------|------|------|------|------|-----|---|--------|---|--------|
| 4,0                                                  | 15,2 | 3,0 | 0,15 | + | A04.1C14.15.30.15 YR/L | R AW3S | L AW3Q | X800 | X400 | GX79 | X500 | X400 | 2,75 | 2,35 | 1,95 | 18,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0                                                  | 20,3 | 3,0 | 0,15 | ● | A04.1814.20.30.15 YR/L | R APP5 | L AMU6 | X800 | X400 | GX79 | X500 | X400 | 2,75 | 2,35 | 1,35 | 23,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0                                                  | 20,3 | 3,0 | 0,15 | + | A04.1C14.20.30.15 YR/L | R AHQ2 | L AKT4 | X800 | X400 | GX79 | X500 | X400 | 2,75 | 2,35 | 1,95 | 23,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0                                                  | 25,4 | 3,0 | 0,05 | ● | A04.1814.25.30.05 YR/L | R ATVX | L AVEY | X800 | X400 | GX79 | X500 | X400 | 2,75 | 2,35 | 1,35 | 28,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0                                                  | 25,4 | 3,0 | 0,05 | + | A04.1C14.25.30.05 YR/L | R AW9T | L AXAM | X800 | X400 | GX79 | X500 | X400 | 2,75 | 2,35 | 1,95 | 28,0 | 0,2 | R | A04C.R | L | A04C.L |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,2 mm |      |     |      |   |                        |        |        |      |      |      |      |      |      |      |      |      |     |   |        |   |        |
| 4,0                                                  | 10,2 | 3,2 | 0,03 | ● | A04.1815.10.32.03 YR/L | R AM5F | L AH7Q | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,45 | 13,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0                                                  | 10,2 | 3,2 | 0,03 | + | A04.1C15.10.32.03 YR/L | R AW9V | L AXAP | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 13,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0                                                  | 10,2 | 3,2 | 0,05 | ● | A04.1815.10.32.05 YR/L | R ACMP | L AMPB | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,45 | 13,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0                                                  | 10,2 | 3,2 | 0,05 | + | A04.1C15.10.32.05 YR/L | R AW9W | L AXAQ | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 13,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0                                                  | 10,2 | 3,2 | 0,15 | ● | A04.1815.10.32.15 YR/L | R ANAV | L AKDJ | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,45 | 13,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0                                                  | 10,2 | 3,2 | 0,15 | + | A04.1C15.10.32.15 YR/L | R AG17 | L AC37 | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 13,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0                                                  | 15,2 | 3,2 | 0,05 | ● | A04.1815.15.32.05 YR/L | R AHFZ | L AAS8 | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,45 | 18,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0                                                  | 15,2 | 3,2 | 0,05 | + | A04.1C15.15.32.05 YR/L | R AW9X | L AXAS | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 18,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0                                                  | 15,2 | 3,2 | 0,15 | ● | A04.1815.15.32.15 YR/L | R APP9 | L AFN6 | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,45 | 18,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0                                                  | 15,2 | 3,2 | 0,15 | + | A04.1C15.15.32.15 YR/L | R ABTG | L AAW9 | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 18,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0                                                  | 20,3 | 3,2 | 0,05 | ● | A04.1815.20.32.05 YR/L | R APGP | L AFHA | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,45 | 23,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0                                                  | 20,3 | 3,2 | 0,05 | + | A04.1C15.20.32.05 YR/L | R AW9Y | L AXAT | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 23,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0                                                  | 20,3 | 3,2 | 0,15 | ● | A04.1815.20.32.15 YR/L | R AQCT | L ABZB | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,45 | 23,0 | 0,2 | R | A04.R  | L | A04.L  |
| 4,0                                                  | 20,3 | 3,2 | 0,15 | + | A04.1C15.20.32.15 YR/L | R AAVU | L ADEU | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 23,0 | 0,2 | R | A04C.R | L | A04C.L |
| 4,0                                                  | 25,4 | 3,2 | 0,15 | + | A04.1C15.25.32.15 YR   | A2AD   |        | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 28,0 | 0,2 |   | A04C.R |   |        |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1815.10.32.15 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Ausdrehen

Geeignet ab Bohrungsdurchmesser 3,7 mm.

## Boring

For use in bores as of minimum bore diameter 3,7 mm.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 46, 47, 48, 54, 55, 57, 64,  
65, 68, 69, 70, 73, 75, 76, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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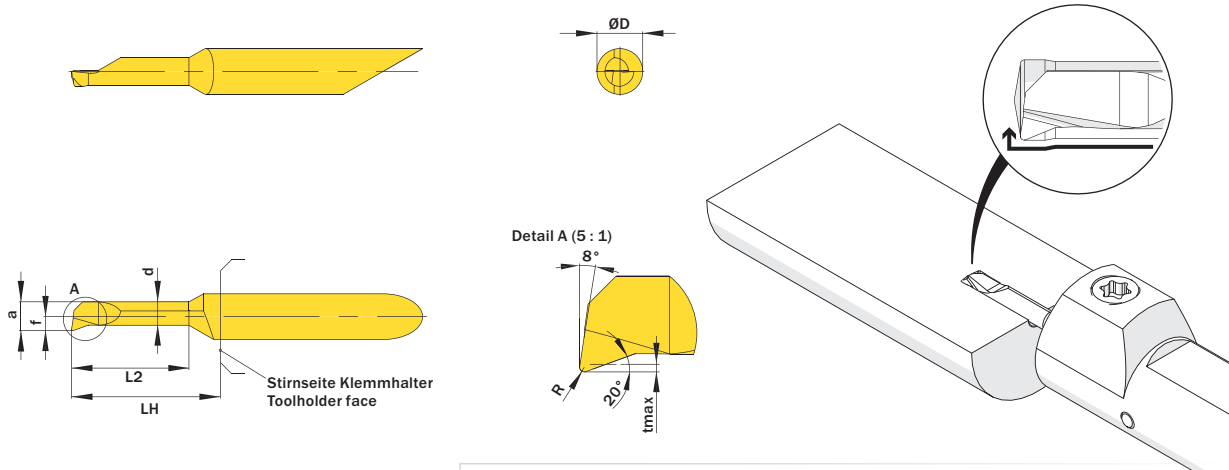
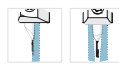
Legende  
Legend 155Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/1055](http://www.simtek.info/cp/1055)

Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | PKMNSH O                                                  | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

|     |      |     |      |   |                        |               |                          |      |      |      |      |     |                   |
|-----|------|-----|------|---|------------------------|---------------|--------------------------|------|------|------|------|-----|-------------------|
| 4,0 | 10,2 | 3,7 | 0,15 | ● | A04.1817.10.37.15 YR/L | R AHD4 L AMYK | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,7  | 13,0 | 0,2 | R A04.R L A04.L   |
| 4,0 | 10,2 | 3,7 | 0,15 | + | A04.1C17.10.37.15 YR/L | R ANJF L ANZP | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,95 | 13,0 | 0,2 | R A04C.R L A04C.L |
| 4,0 | 15,2 | 3,7 | 0,15 | ● | A04.1817.15.37.15 YR/L | R AMQN L ABA7 | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,7  | 18,0 | 0,2 | R A04.R L A04.L   |
| 4,0 | 15,2 | 3,7 | 0,15 | + | A04.1C17.15.37.15 YR/L | R AHBD L APYD | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,95 | 18,0 | 0,2 | R A04C.R L A04C.L |
| 4,0 | 20,3 | 3,7 | 0,05 | ● | A04.1817.20.37.05 YR/L | R AQ1U L AQ1V | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,7  | 23,0 | 0,2 | R A04.R L A04.L   |
| 4,0 | 20,3 | 3,7 | 0,05 | + | A04.1C17.20.37.05 YR/L | R AW9U L AXAN | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,95 | 23,0 | 0,2 | R A04C.R L A04C.L |
| 4,0 | 20,3 | 3,7 | 0,15 | ● | A04.1817.20.37.15 YR/L | R AKNZ L AH9Y | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,7  | 23,0 | 0,2 | R A04.R L A04.L   |
| 4,0 | 20,3 | 3,7 | 0,15 | + | A04.1C17.20.37.15 YR/L | R AB5S L AFAA | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,95 | 23,0 | 0,2 | R A04C.R L A04C.L |
| 4,0 | 25,4 | 3,7 | 0,1  | ● | A04.1817.25.37.10 YR/L | R AA9M L ADKH | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,7  | 28,0 | 0,2 | R A04.R L A04.L   |
| 4,0 | 25,4 | 3,7 | 0,1  | + | A04.1C17.25.37.10 YR/L | R ANNS L AEFW | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,95 | 28,0 | 0,2 | R A04C.R L A04C.L |
| 4,0 | 30,5 | 3,7 | 0,1  | + | A04.1C17.30.37.10 YR   | A2AE          | X800 X600 GX79 X500 X400 | 3,45 | 3,05 | 1,95 | 33,0 | 0,2 | A04C.R            |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1817.10.37.15 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

# Ausdrehen

Geeignet ab Bohrungsdurchmesser 4,2 mm.

# Boring

For use in bores as of minimum bore diameter 4,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

45, 46, 48, 54, 55, 57, 64, 65, 68,  
69, 70, 73, 75, 76, 79, 80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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Legende  
Legend 155



Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/1040](http://www.simtek.info/cp/1040)

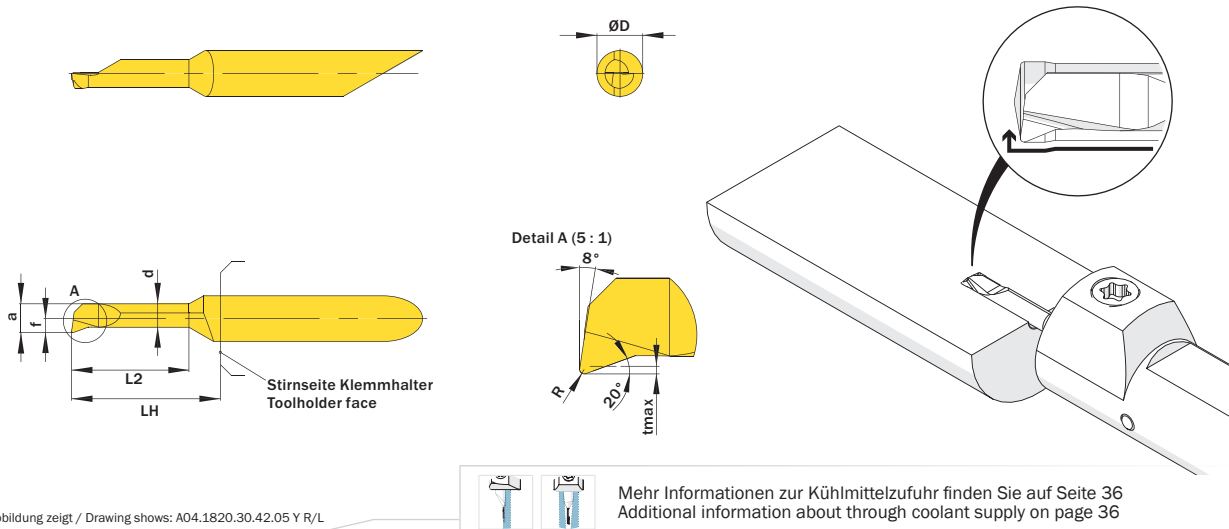


Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                                                                   | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | PKMNSH O<br>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

|     |      |     |      |   |                        |               |                          |      |      |      |      |     |                   |
|-----|------|-----|------|---|------------------------|---------------|--------------------------|------|------|------|------|-----|-------------------|
| 4,0 | 10,2 | 4,2 | 0,03 | + | A04.1820.10.42.03 YR/L | R AGCF L ABGP | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 13,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 10,2 | 4,2 | 0,05 | + | A04.1820.10.42.05 YR/L | R ADDK L AN4X | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 13,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 10,2 | 4,2 | 0,15 | + | A04.1820.10.42.15 YR/L | R AEH9 L AAPJ | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 13,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 15,2 | 4,2 | 0,03 | + | A04.1820.15.42.03 YR/L | R APUB L AKMA | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 18,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 15,2 | 4,2 | 0,05 | + | A04.1820.15.42.05 YR/L | R ADN4 L AK2B | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 18,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 15,2 | 4,2 | 0,15 | + | A04.1820.15.42.15 YR/L | R AHDX L AGEY | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 18,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 20,3 | 4,2 | 0,03 | + | A04.1820.20.42.03 YR/L | R AJ0B L AEPY | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 23,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 20,3 | 4,2 | 0,05 | + | A04.1820.20.42.05 YR/L | R AB3A L AHMG | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 23,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 20,3 | 4,2 | 0,15 | + | A04.1820.20.42.15 YR/L | R AM3K L ANGF | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 23,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 25,4 | 4,2 | 0,05 | + | A04.1820.25.42.05 YR/L | R AMV0 L AFE8 | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 28,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 25,4 | 4,2 | 0,15 | + | A04.1820.25.42.15 YR/L | R AJT1 L AJ4S | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 28,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 30,5 | 4,2 | 0,05 | + | A04.1820.30.42.05 YR/L | R ASFY L ASF1 | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 33,0 | 0,3 | R A04C.R L A04C.L |
| 4,0 | 35,6 | 4,2 | 0,05 | + | A04.1820.35.42.05 YR   | A2AF          | X800 X600 GX79 X500 X400 | 3,95 | 3,45 | 1,95 | 38,0 | 0,3 | A04C.R            |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1820.10.42.15 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

# Ausdrehen

Geeignet ab Bohrungsdurchmesser 4,9 mm.

## Boring

For use in bores as of minimum bore diameter 4,9 mm.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

41, 45, 47, 49, 55, 58, 64, 65, 68,  
69, 70, 74, 75, 76, 78, 79, 80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

82



Legende  
Legend 155



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[www.simtek.info/cp/1073](http://www.simtek.info/cp/1073)

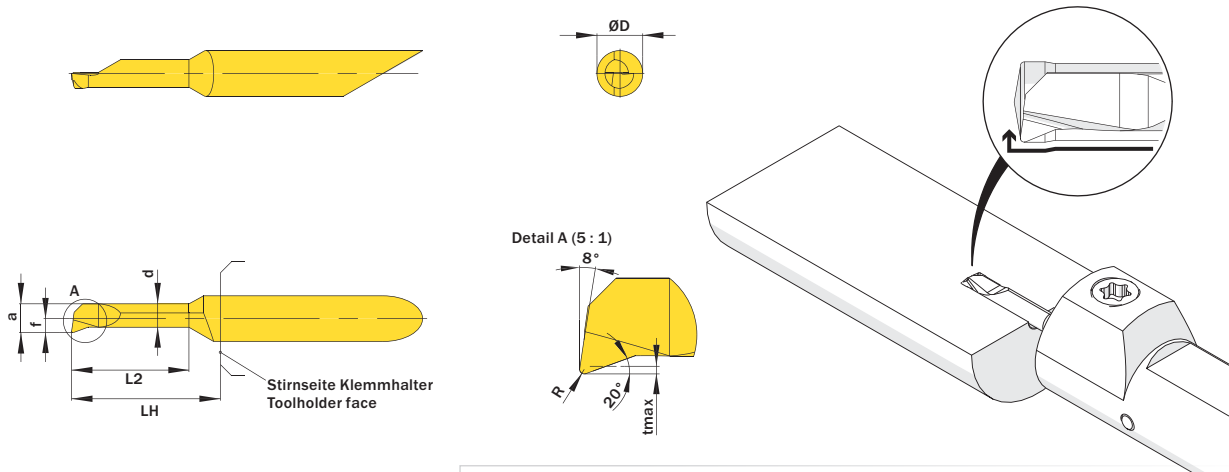
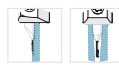


Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades                                                                                                                                                                                                  | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | <p>Tagessaktuelle Verfügbarkeit und Preise finden Sie auf <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></p> <p>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></p> | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

|     |      |     |      |   |                        |               |                          |      |      |      |      |     |                 |
|-----|------|-----|------|---|------------------------|---------------|--------------------------|------|------|------|------|-----|-----------------|
| 5,0 | 20,3 | 4,9 | 0,2  | + | A05.1825.20.49.20 YR/L | R AXJC L AXJB | X800 X400 GX79 X500 X400 | 4,65 | 3,95 | 2,45 | 23,0 | 0,4 | R A05.R L A05.L |
| 5,0 | 25,4 | 4,9 | 0,2  | + | A05.1825.25.49.20 YR/L | R AXJF L AXJE | X800 X400 GX79 X500 X400 | 4,65 | 3,95 | 2,45 | 28,0 | 0,4 | R A05.R L A05.L |
| 5,0 | 30,5 | 4,9 | 0,05 | + | A05.1825.30.49.05 YR/L | R AXJH L AXJG | X800 X400 GX79 X500 X400 | 4,65 | 3,95 | 2,45 | 33,0 | 0,4 | R A05.R L A05.L |
| 5,0 | 30,5 | 4,9 | 0,2  | + | A05.1825.30.49.20 YR/L | R AXJK L AXJJ | X800 X400 GX79 X500 X400 | 4,65 | 3,95 | 2,45 | 33,0 | 0,4 | R A05.R L A05.L |
| 5,0 | 35,6 | 4,9 | 0,2  | + | A05.1825.35.49.20 YR/L | R AXJN L AXJM | X800 X400 GX79 X500 X400 | 4,65 | 3,95 | 2,45 | 38,0 | 0,4 | R A05.R L A05.L |
| 5,0 | 40,6 | 4,9 | 0,2  | + | A05.1825.40.49.20 YR/L | R AXJQ L AXJP | X800 X400 GX79 X500 X400 | 4,65 | 3,95 | 2,45 | 43,0 | 0,4 | R A05.R L A05.L |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A05.1825.20.49.20 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

# Ausdrehen

Geeignet ab Bohrungsdurchmesser 5,2 mm.

# Boring

For use in bores as of minimum bore diameter 5,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

41, 45, 47, 49, 55, 58, 64, 65, 68,  
69, 70, 74, 75, 76, 78, 79, 80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

82



Legende  
Legend 155



Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/1041](http://www.simtek.info/cp/1041)

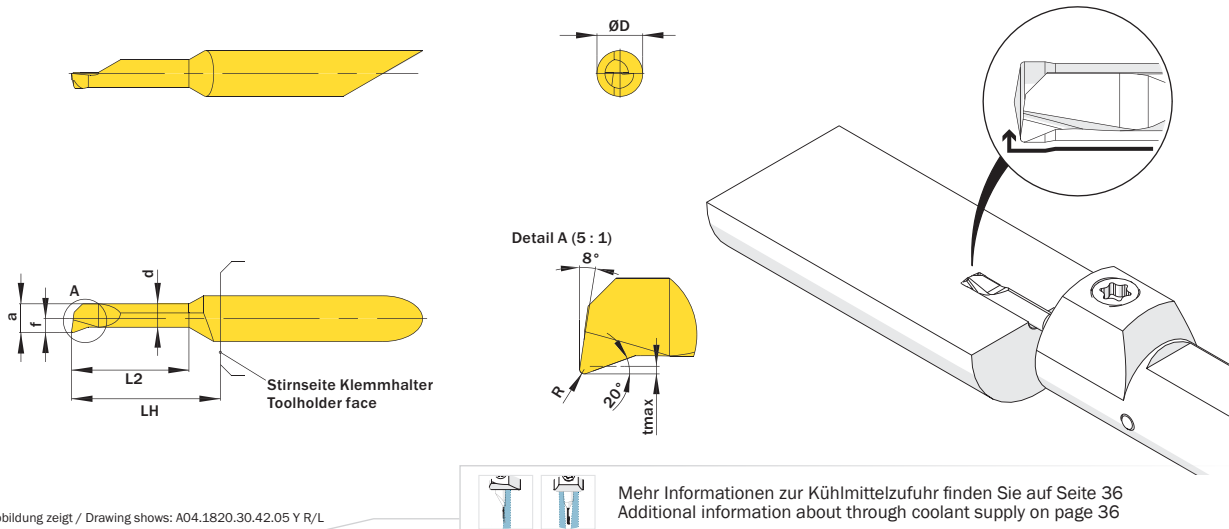


Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode | a  | d  | f  | LH | tmax | Connectcode<br>www.simtek.com/code |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------|----|----|----|----|------|------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                   | Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode     | mm | mm | mm | mm | mm   |                                    |
|    |    |                                           |    |                                            |                              |                                   | P K M N S H O                                                                                                     |    |    |    |    |      |                                    |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

|     |      |     |      |   |                        |               |           |                |      |      |      |      |     |                 |
|-----|------|-----|------|---|------------------------|---------------|-----------|----------------|------|------|------|------|-----|-----------------|
| 5,0 | 10,2 | 5,2 | 0,05 | + | A05.1825.10.52.05 YR/L | R AS4G L ATVZ | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 13,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 10,2 | 5,2 | 0,2  | + | A05.1825.10.52.20 YR/L | R AFCW L ADCU | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 13,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 15,2 | 5,2 | 0,03 | + | A05.1825.15.52.03 YR/L | R ATV0 L AKB8 | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 18,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 15,2 | 5,2 | 0,05 | + | A05.1825.15.52.05 YR/L | R AM69 L AH0M | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 18,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 15,2 | 5,2 | 0,2  | + | A05.1825.15.52.20 YR/L | R AF4Y L ANMN | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 18,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 20,3 | 5,2 | 0,05 | + | A05.1825.20.52.05 YR/L | R AD00 L AKA1 | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 23,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 20,3 | 5,2 | 0,2  | + | A05.1825.20.52.20 YR/L | R AM8M L AM55 | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 23,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 25,4 | 5,2 | 0,2  | + | A05.1825.25.52.20 YR/L | R AFSB L AEHN | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 28,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 30,5 | 5,2 | 0,05 | + | A05.1825.30.52.05 YR/L | R AD3G L AH4N | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 33,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 30,5 | 5,2 | 0,2  | + | A05.1825.30.52.20 YR/L | R AFY1 L AK66 | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 33,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 35,6 | 5,2 | 0,2  | + | A05.1825.35.52.20 YR/L | R AND4 L AEC2 | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 38,0 | 0,5 | R A05.R L A05.L |
| 5,0 | 40,6 | 5,2 | 0,2  | + | A05.1825.40.52.20 YR/L | R AMQK L AH44 | X800 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 43,0 | 0,5 | R A05.R L A05.L |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A05.1825.10.52.20 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

# Ausdrehen

Geeignet ab Bohrungsdurchmesser 5,9 mm.

## Boring

For use in bores as of minimum bore diameter 5,9 mm.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

42, 45, 50, 56, 59, 64, 65, 68, 69,  
71, 74, 75, 77, 78, 79, 80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

82



Legende  
Legend 155

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[www.simtek.info/cp/1074](http://www.simtek.info/cp/1074)

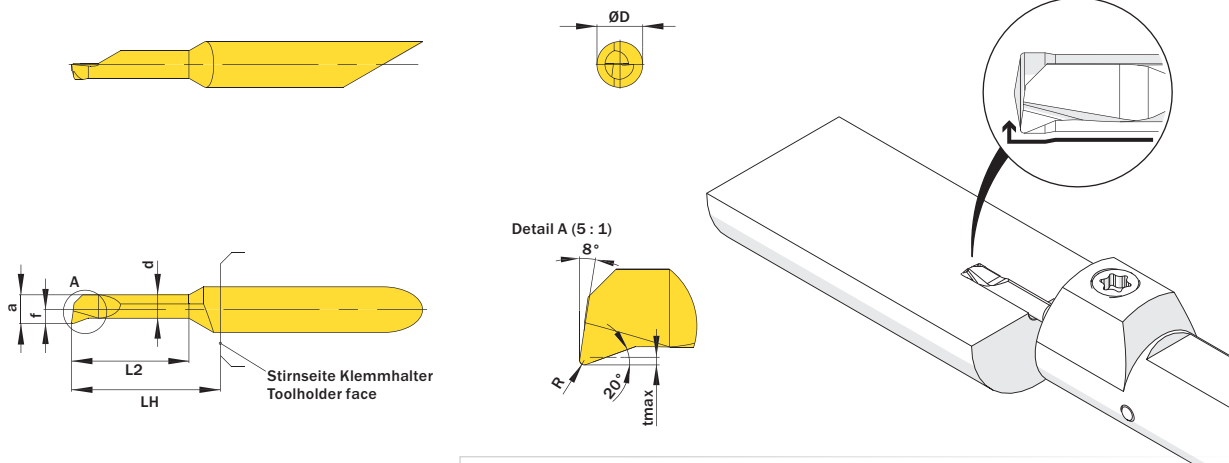
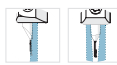


Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades                                                                                                                                                                                                 | a | d | f | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | <p>Tagesaktuelle Verfügbarkeit und Preise finden Sie auf <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></p> <p>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></p> |   |   |   |    |      |                                                                             |
|    |    |                                           |    |                                            |                              |                                                                               | <p><b>P K M N S H O</b></p>                                                                                                                                                                                                                               |   |   |   |    |      |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|     |      |     |     |   |                        |               |           |                |      |      |      |      |     |                 |
|-----|------|-----|-----|---|------------------------|---------------|-----------|----------------|------|------|------|------|-----|-----------------|
| 6,0 | 35,6 | 5,9 | 0,2 | + | A06.1830.35.59.20 YR/L | R AXH6 L AXH5 | X800 X600 | GX79 X500 X400 | 5,65 | 4,95 | 2,95 | 38,0 | 0,4 | R A06.R L A06.L |
| 6,0 | 40,6 | 5,9 | 0,2 | + | A06.1830.40.59.20 YR/L | R AXH8 L AXH7 | X800 X600 | GX79 X500 X400 | 5,65 | 4,95 | 2,95 | 43,0 | 0,4 | R A06.R L A06.L |
| 6,0 | 45,7 | 5,9 | 0,2 | + | A06.1830.45.59.20 YR   | A2AG          | X800 X600 | GX79 X500 X400 | 5,65 | 4,95 | 2,95 | 48,0 | 0,4 | A06.R           |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A06.1830.45.59.20 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



# Ausdrehen

Geeignet ab Bohrungsdurchmesser 6,2 mm.

## Boring

For use in bores as of minimum bore diameter 6,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

**f** 0,02 mm/U **Vc** (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

42, 43, 45, 50, 51, 56, 59, 60, 64,  
65, 66, 67, 68, 69, 71, 74, 75, 77,  
78, 79, 80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

82



SP  
HM  
R

Legende  
Legend 155

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QR-Code

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[www.simtek.info/cp/1042](http://www.simtek.info/cp/1042)

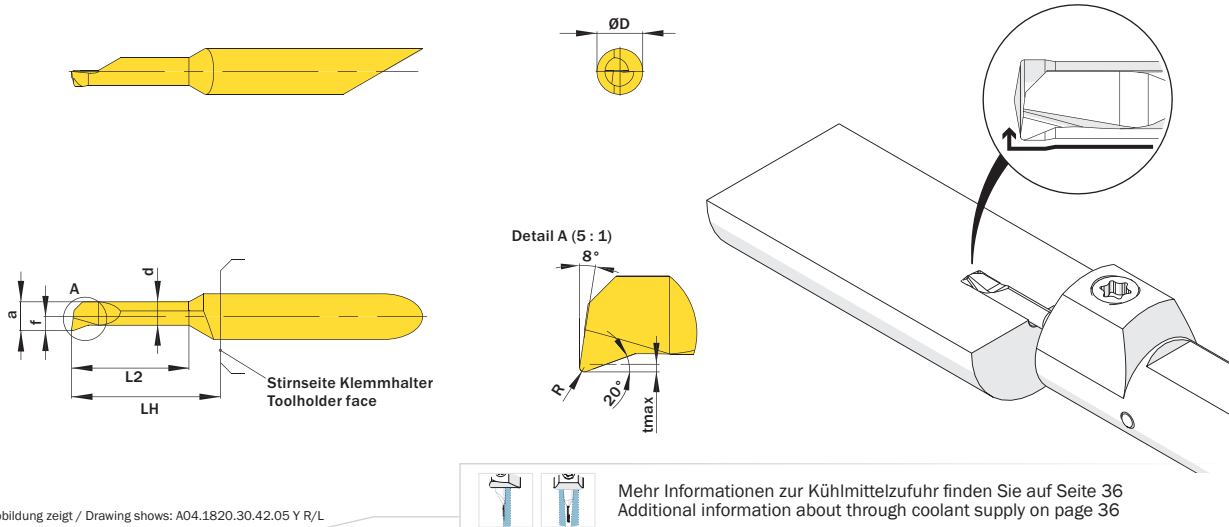


Abbildung zeigt / Drawing shows: A04.1820.30.42.05 Y R/L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades<br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               |                                                                                                                                                                                       | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm

|     |      |     |      |   |                        |        |        |      |      |      |      |      |      |      |      |      |     |   |       |   |       |
|-----|------|-----|------|---|------------------------|--------|--------|------|------|------|------|------|------|------|------|------|-----|---|-------|---|-------|
| 6,0 | 15,2 | 6,2 | 0,2  | + | A06.1830.15.62.20 YR/L | R AG74 | L AGKE | X800 | X400 | GX79 | X500 | X400 | 5,95 | 5,25 | 2,95 | 18,0 | 0,5 | R | A06.R | L | A06.L |
| 6,0 | 20,3 | 6,2 | 0,05 | + | A06.1830.20.62.05 YR/L | R AEF5 | L AQ95 | X800 | X400 | GX79 | X500 | X400 | 5,95 | 5,25 | 2,95 | 23,0 | 0,5 | R | A06.R | L | A06.L |
| 6,0 | 20,3 | 6,2 | 0,2  | + | A06.1830.20.62.20 YR/L | R AHDQ | L AK50 | X800 | X400 | GX79 | X500 | X400 | 5,95 | 5,25 | 2,95 | 23,0 | 0,5 | R | A06.R | L | A06.L |
| 6,0 | 25,4 | 6,2 | 0,2  | + | A06.1830.25.62.20 YR/L | R AMJG | L ADFD | X800 | X400 | GX79 | X500 | X400 | 5,95 | 5,25 | 2,95 | 28,0 | 0,5 | R | A06.R | L | A06.L |
| 6,0 | 30,5 | 6,2 | 0,05 | + | A06.1830.30.62.05 YR/L | R AAMD | L ATVY | X800 | X400 | GX79 | X500 | X400 | 5,95 | 5,25 | 2,95 | 33,0 | 0,5 | R | A06.R | L | A06.L |
| 6,0 | 30,5 | 6,2 | 0,2  | + | A06.1830.30.62.20 YR/L | R AFDC | L AKDU | X800 | X400 | GX79 | X500 | X400 | 5,95 | 5,25 | 2,95 | 33,0 | 0,5 | R | A06.R | L | A06.L |
| 6,0 | 35,6 | 6,2 | 0,2  | + | A06.1830.35.62.20 YR/L | R ABT1 | L AEG8 | X800 | X400 | GX79 | X500 | X400 | 5,95 | 5,25 | 2,95 | 38,0 | 0,5 | R | A06.R | L | A06.L |
| 6,0 | 40,6 | 6,2 | 0,2  | + | A06.1830.40.62.20 YR/L | R AC3S | L AEQ0 | X800 | X400 | GX79 | X500 | X400 | 5,95 | 5,25 | 2,95 | 43,0 | 0,5 | R | A06.R | L | A06.L |
| 6,0 | 50,8 | 6,2 | 0,2  | + | A06.1830.50.62.20 YR/L | R A2AH | L A4YD | X800 | X400 | GX79 | X500 | X400 | 5,95 | 5,25 | 2,95 | 53,0 | 0,5 | R | A06.R | L | A06.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 7,2 mm

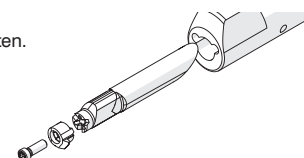
|     |      |     |     |   |                        |        |        |      |      |      |      |      |      |      |      |      |     |   |       |   |       |
|-----|------|-----|-----|---|------------------------|--------|--------|------|------|------|------|------|------|------|------|------|-----|---|-------|---|-------|
| 7,0 | 25,4 | 7,2 | 0,2 | + | A07.1835.25.72.20 YR/L | R APJJ | L ADX9 | X800 | X400 | GX79 | X500 | X400 | 6,95 | 6,25 | 3,45 | 28,0 | 0,5 | R | A07.R | L | A07.L |
| 7,0 | 30,5 | 7,2 | 0,2 | + | A07.1835.30.72.20 YR/L | R AHXT | L AJTS | X800 | X400 | GX79 | X500 | X400 | 6,95 | 6,25 | 3,45 | 33,0 | 0,5 | R | A07.R | L | A07.L |
| 7,0 | 35,6 | 7,2 | 0,2 | + | A07.1835.35.72.20 YR/L | R AMGJ | L AJZQ | X800 | X400 | GX79 | X500 | X400 | 6,95 | 6,25 | 3,45 | 38,0 | 0,5 | R | A07.R | L | A07.L |
| 7,0 | 40,6 | 7,2 | 0,2 | + | A07.1835.40.72.20 YR/L | R ABCQ | L AC04 | X800 | X400 | GX79 | X500 | X400 | 6,95 | 6,25 | 3,45 | 43,0 | 0,5 | R | A07.R | L | A07.L |
| 7,0 | 45,7 | 7,2 | 0,2 | + | A07.1835.45.72.20 YR/L | R AMXA | L ACW5 | X800 | X400 | GX79 | X500 | X400 | 6,95 | 6,25 | 3,45 | 48,0 | 0,5 | R | A07.R | L | A07.L |
| 7,0 | 50,8 | 7,2 | 0,2 | + | A07.1835.50.72.20 YR/L | R AKWE | L AM5B | X800 | X400 | GX79 | X500 | X400 | 6,95 | 6,25 | 3,45 | 53,0 | 0,5 | R | A07.R | L | A07.L |
| 7,0 | 60,8 | 7,2 | 0,2 | + | A07.1835.60.72.20 YR   | A2AJ   |        | X800 | X400 | GX79 | X500 | X400 | 6,95 | 6,25 | 3,45 | 63,0 | 0,5 |   | A07.R |   |       |

Bestellbeispiel // Order example: A06.1830.15.62.20 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

Die Werkzeugreihe simturn D07, bietet für das Ausdrehen von Bohrungen ab Ø 7,0 mm eine modulare Lösung bestehend aus einem Adapter für simturn A06 Trägerwerkzeuge und stirnseitig verschraubten simturn D07 Schneidplatten.

The product group simturn D07 provides a modular solution for boring applications in bores as of Ø 7,0 mm. The system consists of an adapter for simturn A06 toolholders and the cutting inserts simturn D07.

Adapter auf Seite // Adapter on page 179 Schneidplatten // Cutting inserts 185





Individualwerkzeuge // Customized tools

# Kundenindividuelle Werkzeuglösungen Customer-specific tooling solutions



*Ausdrehen einer tiefen, sich stark verjüngenden Bohrung mit mehrfach abgesetztem simturn AX - Schneideinsatz.*

*Boring of a deep, strongly tapered bore with multiple stepped simturn AX cutting insert.*

SIMTEK Individualwerkzeuge bieten unzählige Vorteile! Neben unserem Anspruch, jeweils die qualitativ bestmögliche Werkzeuglösung für Ihre Anwendung anzubieten, ist es auch unser Bestreben Ihnen durch ein SIMTEK Individualwerkzeug den größtmöglichen wirtschaftlichen Nutzen zu liefern! Tausende, aktuell erfolgreich eingesetzte Individualwerkzeuge bestätigen dies!

**Kontaktieren Sie uns und lassen auch Sie sich von den Vorteilen mit SIMTEK Individualwerkzeugen überzeugen!**

SIMTEK individual tools offer countless advantages! In addition to our goal to offer the qualitatively best possible tooling solution for your application, we also aspire to provide you with the greatest possible economic benefit from a customized SIMTEK tool! Thousands of currently successfully used SIMTEK individual tools confirm this!

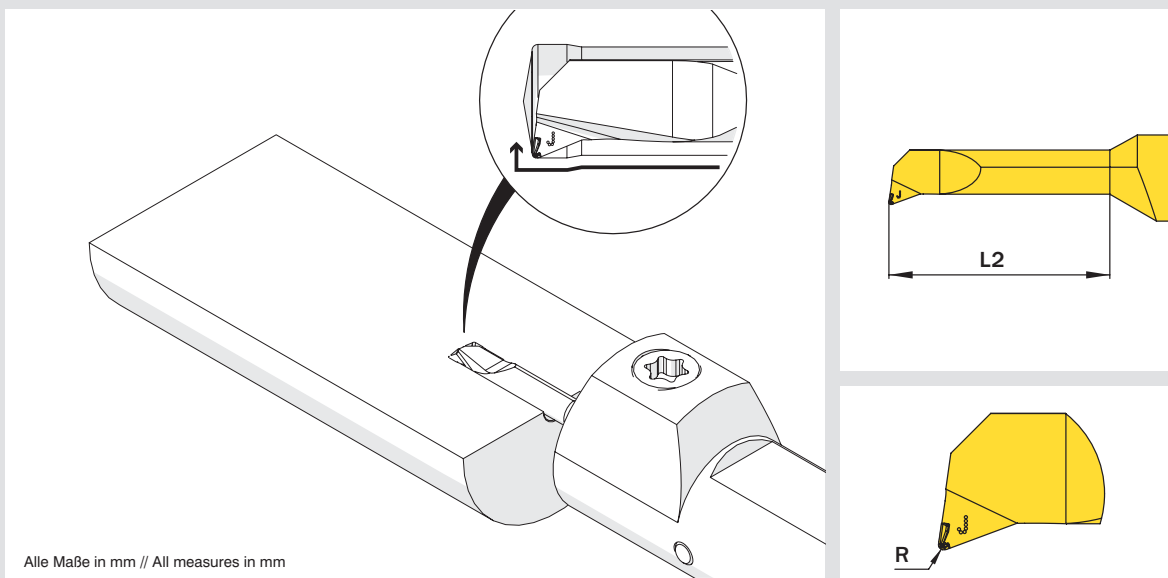
**Contact us and convince yourself of the advantages of SIMTEK individual tools!**

**simturnAX**  
SIMTEK small part machining type AX

## Standardwerkzeuge // Standard Tools

# Ausdrehen mit gelasierter Spanformgeometrie

## Boring with lasered chip forming geometry



| Artikelnummer<br>Part number | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R    | siehe Seite<br>see Page |
|------------------------------|------|-------------------------------------------|------|-------------------------|
| A04.1820.10.42.15 JAR        | 10,2 | 4,2                                       | 0,15 | 98                      |
| A05.1825.10.52.20 JAR        | 10,2 | 5,2                                       | 0,2  | 99                      |
| A04.1820.15.42.15 JAR        | 15,2 | 4,2                                       | 0,15 | 98                      |
| A05.1825.15.52.20 JAR        | 15,2 | 5,2                                       | 0,2  | 99                      |
| A06.1830.15.62.20 JAR        | 15,2 | 6,2                                       | 0,2  | 100                     |
| A04.1820.20.42.15 JAR        | 20,3 | 4,2                                       | 0,15 | 98                      |
| A05.1825.20.52.20 JAR        | 20,3 | 5,2                                       | 0,2  | 99                      |
| A06.1830.20.62.20 JAR        | 20,3 | 6,2                                       | 0,2  | 100                     |
| A04.1820.25.42.15 JAR        | 25,4 | 4,2                                       | 0,15 | 98                      |
| A05.1825.25.52.20 JAR        | 25,4 | 5,2                                       | 0,2  | 99                      |
| A06.1830.25.62.20 JAR        | 25,4 | 6,2                                       | 0,2  | 100                     |
| A07.1835.25.72.20 JAR        | 25,4 | 7,2                                       | 0,2  | 101                     |
| A05.1825.30.52.20 JAR        | 30,5 | 5,2                                       | 0,2  | 99                      |
| A06.1830.30.62.20 JAR        | 30,5 | 6,2                                       | 0,2  | 100                     |
| A07.1835.30.72.20 JAR        | 30,5 | 7,2                                       | 0,2  | 101                     |
| A05.1825.35.52.20 JAR        | 35,6 | 5,2                                       | 0,2  | 99                      |
| A06.1830.35.62.20 JAR        | 35,6 | 6,2                                       | 0,2  | 100                     |
| A07.1835.35.72.20 JAR        | 35,6 | 7,2                                       | 0,2  | 101                     |
| A05.1825.40.52.20 JAR        | 40,6 | 5,2                                       | 0,2  | 99                      |
| A06.1830.40.62.20 JAR        | 40,6 | 6,2                                       | 0,2  | 100                     |
| A07.1835.40.72.20 JAR        | 40,6 | 7,2                                       | 0,2  | 101                     |
| A07.1835.45.72.20 JAR        | 45,7 | 7,2                                       | 0,2  | 101                     |
| A07.1835.50.72.20 JAR        | 50,8 | 7,2                                       | 0,2  | 101                     |

## Ausdrehen mit gelasierter Spanformgeometrie mit WIPER-Geometrie

Geeignet ab Bohrungsdurchmesser 4,2 mm. Maximale Spankontrolle dank 3D-gelasierter Spanformgeometrie und Kühlmittelzufuhr durch die Schneide.

## Boring with lasered chip forming geometry with WIPER-geometry

For use in bores as of minimum bore diameter 4,2 mm. Maximum chip control thanks to 3D-lasered chip forming geometry and coolant supply through the insert.

### Schnittwerte (Start) // Cutting parameters (start)

|                          |                       |                               |
|--------------------------|-----------------------|-------------------------------|
| ap min<br><b>0,02 mm</b> | f<br><b>0,02 mm/U</b> | Vc<br><b>(Seite/Page 442)</b> |
|--------------------------|-----------------------|-------------------------------|

Passende Klemmhalter auf Seite // Suitable toolholders on page  
**47, 48, 55, 57, 64, 65, 68, 80, 81**

Vergleichbare Werkzeuge auf Seite // Similar tools on page  
**97**

Bitte Hinweise im Anhang beachten // Please read add. notes  
**H08 (Seite/Page 154)**



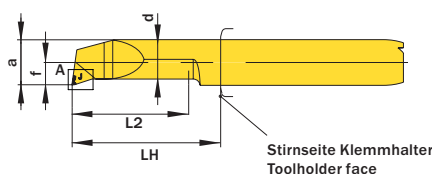
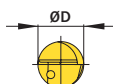
Legende  
Legend

155

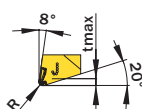


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Detail A (20 : 1)



Mit 3D-gelasierter Spanformgeometrie!  
With 3D-lasered chip forming geometry!

Abbildung zeigt // Drawing shows: A04.1820.10.42.15 JAR

| ØD  | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R    | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a><br><br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | a    | d    | f    | LH   | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |     |
|-----|------|-------------------------------------------|------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|-----------------------------------------------------------------------------|-----|
| mm  | mm   | mm                                        | mm   |                              |                                                                               | P K M N S H O                                                                                                                                                                                                                                                                                                                  | mm   | mm   | mm   | mm   | mm   |                                                                             |     |
| 4,0 | 10,2 | 4,2                                       | 0,15 | <b>A04.1820.10.42.15 JAR</b> | BC6U                                                                          | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                                                                                                                  | 3,95 | 3,45 | 1,95 | 13,0 | 0,3  | A04T                                                                        | new |
| 4,0 | 15,2 | 4,2                                       | 0,15 | <b>A04.1820.15.42.15 JAR</b> | BC5W                                                                          | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                                                                                                                  | 3,95 | 3,45 | 1,95 | 18,0 | 0,3  | A04T                                                                        | new |
| 4,0 | 20,3 | 4,2                                       | 0,15 | <b>A04.1820.20.42.15 JAR</b> | BC6J                                                                          | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                                                                                                                  | 3,95 | 3,45 | 1,95 | 23,0 | 0,3  | A04T                                                                        | new |
| 4,0 | 25,4 | 4,2                                       | 0,15 | <b>A04.1820.25.42.15 JAR</b> | BC54                                                                          | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                                                                                                                  | 3,95 | 3,45 | 1,95 | 28,0 | 0,3  | A04T                                                                        | new |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A04.1820.25.42.15 JAR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



Bitte beachten Sie die technischen Anwendungsspezifikationen oder besuchen Sie:  
Please note the technical application specifications or visit:  
[www.simtek.info/laser](http://www.simtek.info/laser)

## Ausdrehen mit gelasierter Spanformgeometrie mit WIPER-Geometrie

Geeignet ab Bohrungsdurchmesser 5,2 mm. Maximale Spankontrolle dank 3D-gelasierter Spanformgeometrie und Kühlmittelzufuhr durch die Schneide.

## Boring with lasered chip forming geometry with WIPER-geometry

For use in bores as of minimum bore diameter 5,2 mm. Maximum chip control thanks to 3D-lasered chip forming geometry and coolant supply through the insert.

### Schnittwerte (Start) // Cutting parameters (start)

|                   |                |                           |
|-------------------|----------------|---------------------------|
| ap min<br>0,02 mm | f<br>0,02 mm/U | Vc<br>(Seite/Page<br>442) |
|-------------------|----------------|---------------------------|

Passende Klemmhalter auf Seite // Suitable toolholders on page  
**47, 49, 55, 58, 64, 65, 68, 80, 81**

Vergleichbare Werkzeuge auf Seite // Similar tools on page  
**97**

Bitte Hinweise im Anhang beachten // Please read add. notes  
**H08 (Seite/Page 154)**

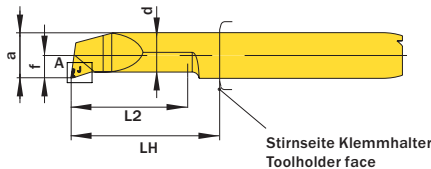
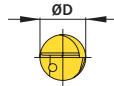


Legende  
Legend

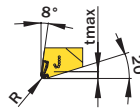
155

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[www.simtek.info/cp/1486](http://www.simtek.info/cp/1486)



Detail A (20 : 1)



Mit 3D-gelasierter Spanformgeometrie!  
With 3D-lasered chip forming geometry!

Abbildung zeigt / Drawing shows: A04.1820.10.42.15 JAR

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode | Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode | a  | d  | f  | LH | tmax | Connectcode<br>www.simtek.com/code |
|----|----|-------------------------------------------|----|------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----|----|----|----|------|------------------------------------|
| mm | mm | mm                                        | mm |                              |                                   | <div>P K M N S H O</div>                                                                                          |                                                                                                               | mm | mm | mm | mm | mm   |                                    |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

|     |      |     |     |                              |      |                |                |      |      |      |      |     |      |     |
|-----|------|-----|-----|------------------------------|------|----------------|----------------|------|------|------|------|-----|------|-----|
| 5,0 | 10,2 | 5,2 | 0,2 | <b>A05.1825.10.52.20 JAR</b> | BC56 | X800 X400 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 13,0 | 0,5 | A05T | new |
| 5,0 | 15,2 | 5,2 | 0,2 | <b>A05.1825.15.52.20 JAR</b> | BC5Y | X800 X400 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 18,0 | 0,5 | A05T | new |
| 5,0 | 20,3 | 5,2 | 0,2 | <b>A05.1825.20.52.20 JAR</b> | BC5S | X800 X400 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 23,0 | 0,5 | A05T | new |
| 5,0 | 25,4 | 5,2 | 0,2 | <b>A05.1825.25.52.20 JAR</b> | BC5G | X800 X400 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 28,0 | 0,5 | A05T | new |
| 5,0 | 30,5 | 5,2 | 0,2 | <b>A05.1825.30.52.20 JAR</b> | BC42 | X800 X400 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 33,0 | 0,5 | A05T | new |
| 5,0 | 35,6 | 5,2 | 0,2 | <b>A05.1825.35.52.20 JAR</b> | BC5C | X800 X400 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 38,0 | 0,5 | A05T | new |
| 5,0 | 40,6 | 5,2 | 0,2 | <b>A05.1825.40.52.20 JAR</b> | BC6Y | X800 X400 X600 | GX79 X500 X400 | 4,95 | 4,25 | 2,45 | 43,0 | 0,5 | A05T | new |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A05.1825.40.52.20 JAR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



Bitte beachten Sie die technischen Anwendungsspezifikationen oder besuchen Sie:  
Please note the technical application specifications or visit:  
[www.simtek.info/laser](http://www.simtek.info/laser)

## Ausdrehen mit gelasierter Spanformgeometrie mit WIPER-Geometrie

Geeignet ab Bohrungsdurchmesser 6,2 mm. Maximale Spankontrolle dank 3D-gelasierter Spanformgeometrie und Kühlmittelzufuhr durch die Schneide.

## Boring with lasered chip forming geometry with WIPER-geometry

For use in bores as of minimum bore diameter 6,2 mm. Maximum chip control thanks to 3D-lasered chip forming geometry and coolant supply through the insert.

Schnittwerte (Start) // Cutting parameters (start)

|                          |                       |                               |
|--------------------------|-----------------------|-------------------------------|
| ap min<br><b>0,02 mm</b> | f<br><b>0,02 mm/U</b> | Vc<br><b>(Seite/Page 442)</b> |
|--------------------------|-----------------------|-------------------------------|

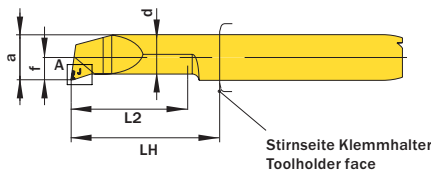
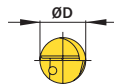
Passende Klemmhalter auf Seite // Suitable toolholders on page

**50, 56, 59, 64, 65, 68, 80, 81**

Vergleichbare Werkzeuge auf Seite // Similar tools on page

**97**

Bitte Hinweise im Anhang beachten // Please read add. notes

**H08 (Seite/Page 154)**Legende  
Legend**155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1487](http://www.simtek.info/cp/1487)Stirnseite Klemmhalter  
Toolholder face

Detail A (20 : 1)

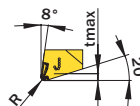
Mit 3D-gelasierter Spanformgeometrie!  
With 3D-lasered chip forming geometry!

Abbildung zeigt / Drawing shows: A04.1820.10.42.15 JAR

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                                                                               | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                              |                                                                               | <b>P K M N S H O</b><br>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|     |      |     |     |                              |      |                |                |      |      |      |      |     |      |     |
|-----|------|-----|-----|------------------------------|------|----------------|----------------|------|------|------|------|-----|------|-----|
| 6,0 | 15,2 | 6,2 | 0,2 | <b>A06.1830.15.62.20 JAR</b> | BC44 | X800 X400 X600 | GX79 X500 X400 | 5,95 | 5,25 | 2,95 | 18,0 | 0,5 | A06T | new |
| 6,0 | 20,3 | 6,2 | 0,2 | <b>A06.1830.20.62.20 JAR</b> | BC5P | X800 X400 X600 | GX79 X500 X400 | 5,95 | 5,25 | 2,95 | 23,0 | 0,5 | A06T | new |
| 6,0 | 25,4 | 6,2 | 0,2 | <b>A06.1830.25.62.20 JAR</b> | BC5M | X800 X400 X600 | GX79 X500 X400 | 5,95 | 5,25 | 2,95 | 28,0 | 0,5 | A06T | new |
| 6,0 | 30,5 | 6,2 | 0,2 | <b>A06.1830.30.62.20 JAR</b> | BC52 | X800 X400 X600 | GX79 X500 X400 | 5,95 | 5,25 | 2,95 | 33,0 | 0,5 | A06T | new |
| 6,0 | 35,6 | 6,2 | 0,2 | <b>A06.1830.35.62.20 JAR</b> | BC48 | X800 X400 X600 | GX79 X500 X400 | 5,95 | 5,25 | 2,95 | 38,0 | 0,5 | A06T | new |
| 6,0 | 40,6 | 6,2 | 0,2 | <b>A06.1830.40.62.20 JAR</b> | BC50 | X800 X400 X600 | GX79 X500 X400 | 5,95 | 5,25 | 2,95 | 43,0 | 0,5 | A06T | new |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued TableBestellbeispiel // Order example: **A06.1830.40.62.20 JAR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)Bitte beachten Sie die technischen Anwendungsspezifikationen oder besuchen Sie:  
Please note the technical application specifications or visit:  
[www.simtek.info/laser](http://www.simtek.info/laser)

## Ausdrehen mit gelasierter Spanformgeometrie mit WIPER-Geometrie

Geeignet ab Bohrungsdurchmesser 7,2 mm. Maximale Spankontrolle dank 3D-gelasierter Spanformgeometrie und Kühlmittelzufuhr durch die Schneide.

## Boring with lasered chip forming geometry with WIPER-geometry

For use in bores as of minimum bore diameter 7,2 mm. Maximum chip control thanks to 3D-lasered chip forming geometry and coolant supply through the insert.

### Schnittwerte (Start) // Cutting parameters (start)

|                   |                |                           |
|-------------------|----------------|---------------------------|
| ap min<br>0,02 mm | f<br>0,02 mm/U | Vc<br>(Seite/Page<br>442) |
|-------------------|----------------|---------------------------|

Passende Klemmhalter auf Seite // Suitable toolholders on page  
**51, 56, 60, 66, 67, 80, 81**

Vergleichbare Werkzeuge auf Seite // Similar tools on page  
**97**

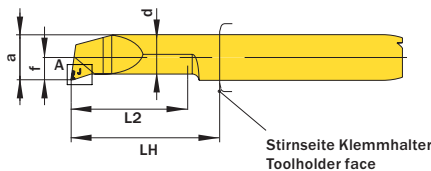
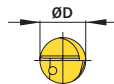
Bitte Hinweise im Anhang beachten // Please read add. notes  
**H08 (Seite/Page 154)**



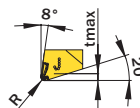
Legende  
Legend  
**155**

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[www.simtek.info/cp/1488](http://www.simtek.info/cp/1488)



Detail A (20 : 1)



Mit 3D-gelasierter Spanformgeometrie!  
With 3D-lasered chip forming geometry!

Abbildung zeigt / Drawing shows: A04.1820.10.42.15 JAR

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                                                                               | a  | d  | f  | LH | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                              |                                                                               | <b>P K M N S H O</b><br>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|     |      |     |     |                              |      |                |                |      |      |      |      |     |      |            |
|-----|------|-----|-----|------------------------------|------|----------------|----------------|------|------|------|------|-----|------|------------|
| 7,0 | 25,4 | 7,2 | 0,2 | <b>A07.1835.25.72.20 JAR</b> | BC5E | X800 X400 X600 | GX79 X500 X400 | 6,95 | 6,25 | 3,45 | 28,0 | 0,5 | A07T | <b>new</b> |
| 7,0 | 30,5 | 7,2 | 0,2 | <b>A07.1835.30.72.20 JAR</b> | BC6E | X800 X400 X600 | GX79 X500 X400 | 6,95 | 6,25 | 3,45 | 33,0 | 0,5 | A07T | <b>new</b> |
| 7,0 | 35,6 | 7,2 | 0,2 | <b>A07.1835.35.72.20 JAR</b> | BC58 | X800 X400 X600 | GX79 X500 X400 | 6,95 | 6,25 | 3,45 | 38,0 | 0,5 | A07T | <b>new</b> |
| 7,0 | 40,6 | 7,2 | 0,2 | <b>A07.1835.40.72.20 JAR</b> | BC5A | X800 X400 X600 | GX79 X500 X400 | 6,95 | 6,25 | 3,45 | 43,0 | 0,5 | A07T | <b>new</b> |
| 7,0 | 45,7 | 7,2 | 0,2 | <b>A07.1835.45.72.20 JAR</b> | BC6W | X800 X400 X600 | GX79 X500 X400 | 6,95 | 6,25 | 3,45 | 48,0 | 0,5 | A07T | <b>new</b> |
| 7,0 | 50,8 | 7,2 | 0,2 | <b>A07.1835.50.72.20 JAR</b> | BC6G | X800 X400 X600 | GX79 X500 X400 | 6,95 | 6,25 | 3,45 | 53,0 | 0,5 | A07T | <b>new</b> |

Bestellbeispiel // Order example: **A07.1835.50.72.20 JAR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



Bitte beachten Sie die technischen Anwendungsspezifikationen oder besuchen Sie:  
Please note the technical application specifications or visit:  
[www.simtek.info/laser](http://www.simtek.info/laser)

## Ausdrehen, Längenverstellbar

In der nutzbaren Länge variabel einsetzbarer Schneideinsatz für das Ausdrehen von Bohrungen ab Bohrungsdurchmesser 4,7 mm.

## Boring, length adjustable

Cutting insert variable in usable length for the boring of bores as of diameter 4,7 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
**0,02 mm/U**

Vc  
**(Seite/Page 442)**

Passende Klemmhalter auf Seite // Suitable toolholders on page  
**63**

Vergleichbare Werkzeuge auf Seite // Similar tools on page  
**82**



Legende  
Legend **155**

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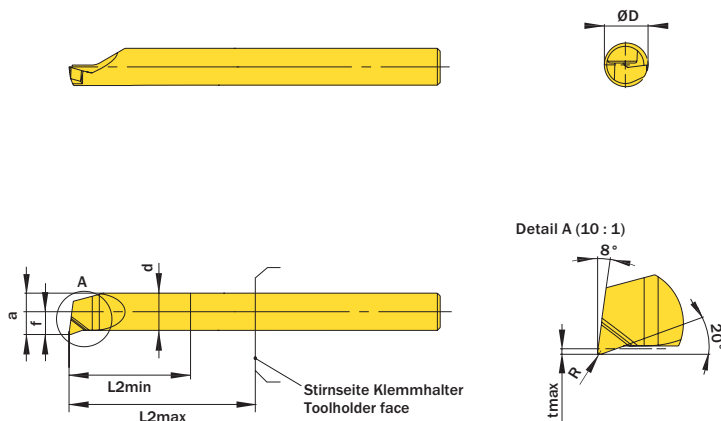


Abbildung zeigt / Drawing shows: A04.A.18.48.47.15 YR

| ØD  | L2min | L2max | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R    | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode |      |      |      |      |      |     | a    | d   | f     | tmax | Connectcode<br>www.simtek.com/code | new |
|-----|-------|-------|-------------------------------------------|------|------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|-----|------|-----|-------|------|------------------------------------|-----|
|     |       |       |                                           |      |                              |                                   | Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode     |      |      |      |      |      |     |      |     |       |      |                                    |     |
| mm  | mm    | mm    | mm                                        | mm   |                              |                                   | P                                                                                                                 | K    | M    | N    | S    | H    | O   |      |     |       |      |                                    |     |
| 4.0 | 13.0  | 48.0  | 4.7                                       | 0.15 | A04.A.18.48.47.15 YR         | BEAJ                              | X800                                                                                                              | X400 | GX79 | X500 | X400 | 4.45 | 4.0 | 2.45 | 0.3 | A04.A |      |                                    |     |

Bestellbeispiel // Order example: **A04.A.18.48.47.15 YR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

Bitte beachten Sie, dass diese Werkzeuge ausschließlich mit Trägerwerkzeugen mit Connectcode A04.A verwendet werden können.

Please note, that these tools can be used with toolholders with Connectcode A04.A only.



## Ausdrehen mit spezieller Spanfläche

Mit optimierter Spanbildung durch spezielle, runde Spanfläche. Zentrierte Ausführung für optimierte Kühlung und Spitzenhöhe in Verbindung mit passendem Halter. Geeignet ab Bohrungsdurchmesser 1,0 mm.

## Boring with special chip former

Special chipformer for improved chip control. Centered edition with improved coolant supply and cutting edge positioning. For use in bores as of minimum bore diameter 1,0 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
**0,02 mm/U**

Vc  
**(Seite/Page 442)**

Passende Klemmhalter auf Seite // Suitable toolholders on page

**45, 46, 48, 54, 55, 57, 64, 65, 68,  
69, 70, 73, 75, 76, 79, 80, 81**



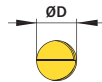
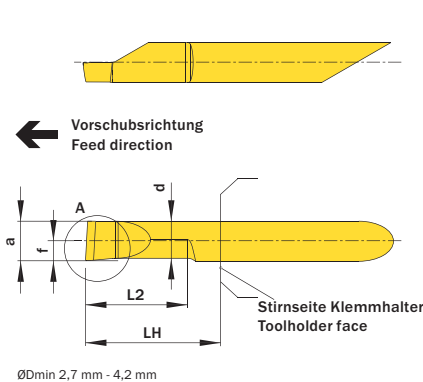
**SP**  
**HM**

**R**

Legende  
Legend **155**

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Detail A

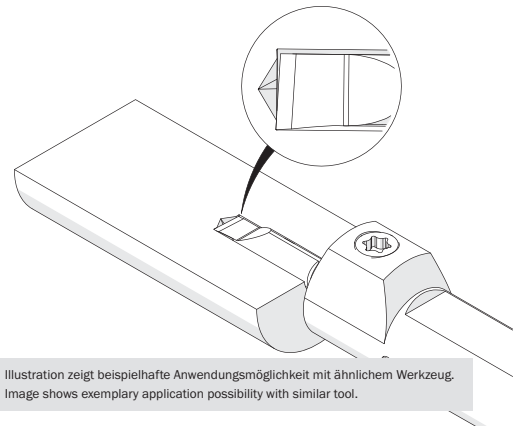
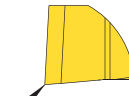
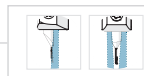
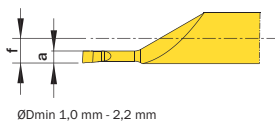


Illustration zeigt beispielhafte Anwendungsmöglichkeit mit ähnlichem Werkzeug.  
Image shows exemplary application possibility with similar tool.



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R    | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode | Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode | a    | d    | f    | LH   | Connectcode<br>www.simtek.com/code |        |
|------------------------------------------------------|------|-------------------------------------------|------|--------------------------------------------|------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------|------|------|------|------------------------------------|--------|
| mm                                                   | mm   | mm                                        | mm   |                                            |                              |                                   | P K M N S H                                                                                                       | O                                                                                                             | mm   | mm   | mm   | mm   |                                    |        |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,0 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                   |                                                                                                               |      |      |      |      |                                    |        |
| 4,0                                                  | 4,1  | 1,0                                       | 0,05 | +                                          | A04.8704.04.10.05 YS R       | AX3P                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 0,95 | 0,8  | 1,95 | 13,0                               | A04C.R |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,2 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                   |                                                                                                               |      |      |      |      |                                    |        |
| 4,0                                                  | 6,1  | 1,2                                       | 0,05 | +                                          | A04.8705.06.12.05 YS R       | AX3Q                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 1,1  | 0,95 | 1,95 | 13,0                               | A04C.R |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,4 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                   |                                                                                                               |      |      |      |      |                                    |        |
| 4,0                                                  | 6,1  | 1,4                                       | 0,05 | +                                          | A04.8706.06.14.05 YS R       | AX3N                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 1,3  | 1,15 | 1,95 | 13,0                               | A04C.R |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,7 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                   |                                                                                                               |      |      |      |      |                                    |        |
| 4,0                                                  | 6,1  | 1,7                                       | 0,05 | +                                          | A04.8707.06.17.05 YS R       | AX9J                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 1,45 | 1,3  | 1,95 | 13,0                               | A04C.R |
| 4,0                                                  | 6,1  | 1,7                                       | 0,1  | +                                          | A04.8707.06.17.10 YS R       | AX1X                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 1,45 | 1,3  | 1,95 | 13,0                               | A04C.R |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,2 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                   |                                                                                                               |      |      |      |      |                                    |        |
| 4,0                                                  | 9,1  | 2,2                                       | 0,05 | +                                          | A04.8710.09.22.05 YS R       | AX3U                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 1,95 | 1,8  | 1,95 | 13,0                               | A04C.R |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,7 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                   |                                                                                                               |      |      |      |      |                                    |        |
| 4,0                                                  | 10,2 | 2,7                                       | 0,05 | +                                          | A04.8712.10.27.05 YS R       | AX56                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 2,45 | 2,3  | 1,95 | 13,0                               | A04C.R |
| 4,0                                                  | 10,2 | 2,7                                       | 0,1  | +                                          | A04.8712.10.27.10 YS R       | AX3M                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 2,45 | 2,3  | 1,95 | 13,0                               | A04C.R |
| 4,0                                                  | 15,2 | 2,7                                       | 0,05 | +                                          | A04.8712.15.27.05 YS R       | AYCE                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 2,45 | 2,3  | 1,95 | 18,0                               | A04C.R |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,2 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                   |                                                                                                               |      |      |      |      |                                    |        |
| 4,0                                                  | 10,2 | 3,2                                       | 0,05 | +                                          | A04.8715.10.32.05 YS R       | AX55                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 2,95 | 2,8  | 1,95 | 13,0                               | A04C.R |
| 4,0                                                  | 10,2 | 3,2                                       | 0,1  | +                                          | A04.8715.10.32.10 YS R       | AX3T                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 2,95 | 2,8  | 1,95 | 13,0                               | A04C.R |
| 4,0                                                  | 15,2 | 3,2                                       | 0,05 | +                                          | A04.8715.15.32.05 YS R       | AYCG                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 2,95 | 2,8  | 1,95 | 18,0                               | A04C.R |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                   |                                                                                                               |      |      |      |      |                                    |        |
| 4,0                                                  | 10,2 | 4,2                                       | 0,05 | +                                          | A04.8720.10.42.05 YS R       | AXYU                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 3,95 | 3,7  | 1,95 | 13,0                               | A04C.R |
| 4,0                                                  | 15,2 | 4,2                                       | 0,05 | +                                          | A04.8720.15.42.05 YS R       | AX54                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 3,95 | 3,7  | 1,95 | 18,0                               | A04C.R |
| 4,0                                                  | 15,2 | 4,2                                       | 0,1  | +                                          | A04.8720.15.42.10 YS R       | AX3S                              | X800 X400<br>G600                                                                                                 | GX79 X500                                                                                                     | X400 | 3,95 | 3,7  | 1,95 | 18,0                               | A04C.R |

Bestellbeispiel // Order example: **A04.8715.10.32.10 YS R X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

# Ausdrehen mit spezieller Spantreppe

Mit optimierter Spanbildung durch spezielle Spantreppe. Zentrierte Ausführung für optimierte Kühlung und Spitzenhöhe in Verbindung mit passendem Halter. Geeignet ab Bohrungsdurchmesser 2,7 mm.

## Boring with special chip former

Special chipformer for improved chip control. Centered edition with improved coolant supply and cutting edge positioning. For use in bores as of minimum bore diameter 2,7 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
**0,02 mm/U**

Vc  
**(Seite/Page 442)**

Passende Klemmhalter auf Seite // Suitable toolholders on page

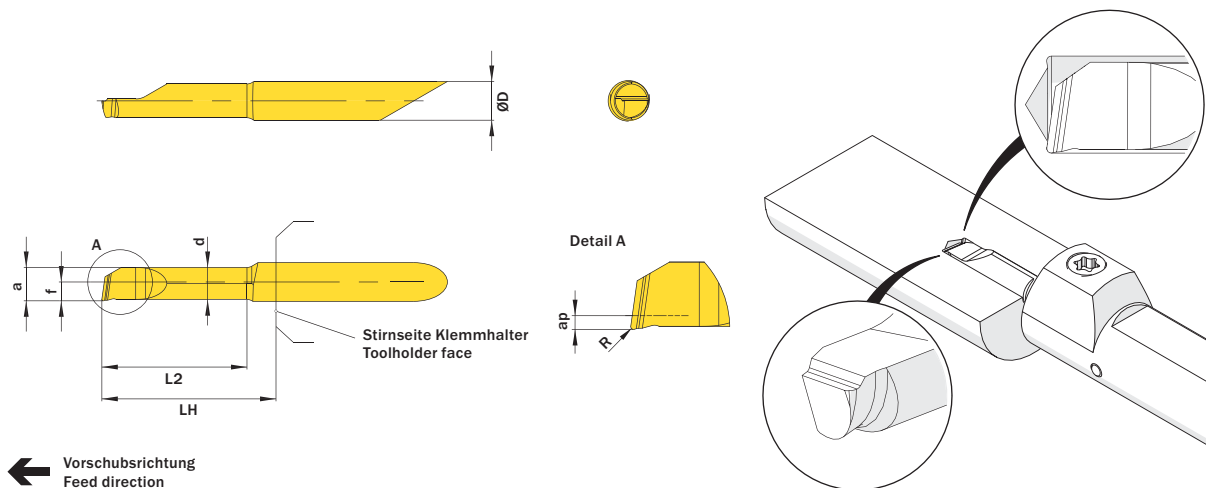
41, 45, 46, 47, 48, 49, 54, 55, 57,  
58, 64, 65, 68, 69, 70, 73, 74, 75,  
76, 78, 79, 80, 81



Legende  
Legend **155**

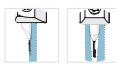


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← Vorschubsrichtung  
Feed direction

Abbildung zeigt / Drawing shows: A04.0C17.15.37.15 YER



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R    | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades | a    | ap  | d    | f    | LH   | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|------------------------------------------------------|------|-------------------------------------------|------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|------|-----|------|------|------|-----------------------------------------------------------------------------|
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,7 mm |      |                                           |      |                                            |                              |                                                                               |                                                           |      |     |      |      |      |                                                                             |
| 4,0                                                  | 10,2 | 2,7                                       | 0,15 | +                                          | A04.0C12.10.27.15 YER/L      | R AYE3 L AYE2                                                                 | X800 X400 GX79 X500 X400                                  | 2,45 | 0,4 | 2,3  | 1,95 | 13,0 | R A04C.R L A04C.L                                                           |
| 4,0                                                  | 15,2 | 2,7                                       | 0,15 | +                                          | A04.0C12.15.27.15 YER/L      | R AUPY L AUPZ                                                                 | X800 X400 GX79 X500 X400                                  | 2,45 | 0,4 | 2,3  | 1,95 | 18,0 | R A04C.R L A04C.L                                                           |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,2 mm |      |                                           |      |                                            |                              |                                                                               |                                                           |      |     |      |      |      |                                                                             |
| 4,0                                                  | 10,2 | 3,2                                       | 0,15 | +                                          | A04.0C15.10.32.15 YER/L      | R AYE5 L AYE4                                                                 | X800 X400 GX79 X500 X400                                  | 2,95 | 0,4 | 2,8  | 1,95 | 13,0 | R A04C.R L A04C.L                                                           |
| 4,0                                                  | 15,2 | 3,2                                       | 0,15 | +                                          | A04.0C15.15.32.15 YER/L      | R AUPØ L AUP1                                                                 | X800 X400 GX79 X500 X400                                  | 2,95 | 0,4 | 2,8  | 1,95 | 18,0 | R A04C.R L A04C.L                                                           |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,7 mm |      |                                           |      |                                            |                              |                                                                               |                                                           |      |     |      |      |      |                                                                             |
| 4,0                                                  | 10,2 | 3,7                                       | 0,15 | +                                          | A04.0C17.10.37.15 YER/L      | R AYE6 L AYE7                                                                 | X800 X400 GX79 X500 X400                                  | 3,45 | 0,5 | 3,3  | 1,95 | 13,0 | R A04C.R L A04C.L                                                           |
| 4,0                                                  | 15,2 | 3,7                                       | 0,15 | +                                          | A04.0C17.15.37.15 YER/L      | R AUPT L AUPS                                                                 | X800 X400 GX79 X500 X400                                  | 3,45 | 0,5 | 3,3  | 1,95 | 18,0 | R A04C.R L A04C.L                                                           |
| 4,0                                                  | 20,3 | 3,7                                       | 0,15 | +                                          | A04.0C17.20.37.15 YER/L      | R ATUE L ATUF                                                                 | X800 X400 GX79 X500 X400                                  | 3,45 | 0,5 | 3,3  | 1,95 | 23,0 | R A04C.R L A04C.L                                                           |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |      |                                           |      |                                            |                              |                                                                               |                                                           |      |     |      |      |      |                                                                             |
| 4,0                                                  | 10,2 | 4,2                                       | 0,15 | +                                          | A04.0020.10.42.15 YER/L      | R AVUP L AW4V                                                                 | X800 X400 GX79 X500 X400                                  | 3,95 | 0,5 | 3,8  | 1,95 | 13,0 | R A04C.R L A04C.L                                                           |
| 4,0                                                  | 15,2 | 4,2                                       | 0,15 | +                                          | A04.0020.15.42.15 YER/L      | R ASE4 L ASE5                                                                 | X800 X400 GX79 X500 X400                                  | 3,95 | 0,5 | 3,8  | 1,95 | 18,0 | R A04C.R L A04C.L                                                           |
| 4,0                                                  | 15,2 | 4,2                                       | 0,4  | +                                          | A04.0020.15.42.40 YER        | A4XD                                                                          | X800 X400 GX79 X500 X400                                  | 3,95 | 0,5 | 3,8  | 1,95 | 18,0 | A04C.R                                                                      |
| 4,0                                                  | 20,3 | 4,2                                       | 0,15 | +                                          | A04.0020.20.42.15 YER/L      | R ASE6 L ASE7                                                                 | X800 X400 GX79 X500 X400                                  | 3,95 | 0,5 | 3,8  | 1,95 | 23,0 | R A04C.R L A04C.L                                                           |
| 4,0                                                  | 25,4 | 4,2                                       | 0,15 | +                                          | A04.0020.25.42.15 YER/L      | R AVUQ L AW4W                                                                 | X800 X400 GX79 X500 X400                                  | 3,95 | 0,5 | 3,8  | 1,95 | 28,0 | R A04C.R L A04C.L                                                           |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |      |                                           |      |                                            |                              |                                                                               |                                                           |      |     |      |      |      |                                                                             |
| 5,0                                                  | 10,2 | 5,2                                       | 0,2  | +                                          | A05.0025.10.52.20 YER/L      | R AS74 L AS75                                                                 | X800 X400 GX79 X500 X400                                  | 4,95 | 0,6 | 4,75 | 2,45 | 13,0 | R A05.R L A05.L                                                             |
| 5,0                                                  | 10,2 | 5,2                                       | 0,4  | +                                          | A05.0025.10.52.40 YER/L      | R AY8B L AØ65                                                                 | X800 X400 GX79 X500 X400                                  | 4,95 | 0,6 | 4,75 | 2,45 | 13,0 | R A05.R L A05.L                                                             |
| 5,0                                                  | 15,2 | 5,2                                       | 0,2  | +                                          | A05.0025.15.52.20 YER/L      | R AS77 L AS76                                                                 | X800 X400 GX79 X500 X400                                  | 4,95 | 0,6 | 4,75 | 2,45 | 18,0 | R A05.R L A05.L                                                             |
| 5,0                                                  | 20,3 | 5,2                                       | 0,2  | +                                          | A05.0025.20.52.20 YER/L      | R ASE9 L ASE8                                                                 | X800 X400 GX79 X500 X400                                  | 4,95 | 0,6 | 4,75 | 2,45 | 23,0 | R A05.R L A05.L                                                             |
| 5,0                                                  | 25,4 | 5,2                                       | 0,2  | +                                          | A05.0025.25.52.20 YER/L      | R ASFA L ASFB                                                                 | X800 X400 GX79 X500 X400                                  | 4,95 | 0,6 | 4,75 | 2,45 | 28,0 | R A05.R L A05.L                                                             |
| 5,0                                                  | 30,5 | 5,2                                       | 0,2  | +                                          | A05.0025.30.52.20 YER/L      | R AS79 L AS78                                                                 | X800 X400 GX79 X500 X400                                  | 4,95 | 0,6 | 4,75 | 2,45 | 33,0 | R A05.R L A05.L                                                             |

Bestellbeispiel // Order example: A05.0025.10.52.20 YER X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Ausdrehen mit spezieller Spantreppe

Mit optimierter Spanbildung durch spezielle Spantreppe. Zentrierte Ausführung für optimierte Kühlung und Spitzenhöhe in Verbindung mit passendem Halter. Geeignet ab Bohrungsdurchmesser 6,2 mm.

## Boring with special chip former

Special chipformer for improved chip control. Centered edition with improved coolant supply and cutting edge positioning. For use in bores as of minimum bore diameter 6,2 mm.

### Schnittwerte (Start) // Cutting parameters (start)

| f         | Vc               |
|-----------|------------------|
| 0,02 mm/U | (Seite/Page 442) |

### Passende Klemmhalter auf Seite // Suitable toolholders on page

42, 43, 45, 50, 51, 56, 59, 60, 64,  
65, 66, 67, 68, 69, 71, 74, 75, 77,  
78, 79, 80, 81



Legende  
Legend 155



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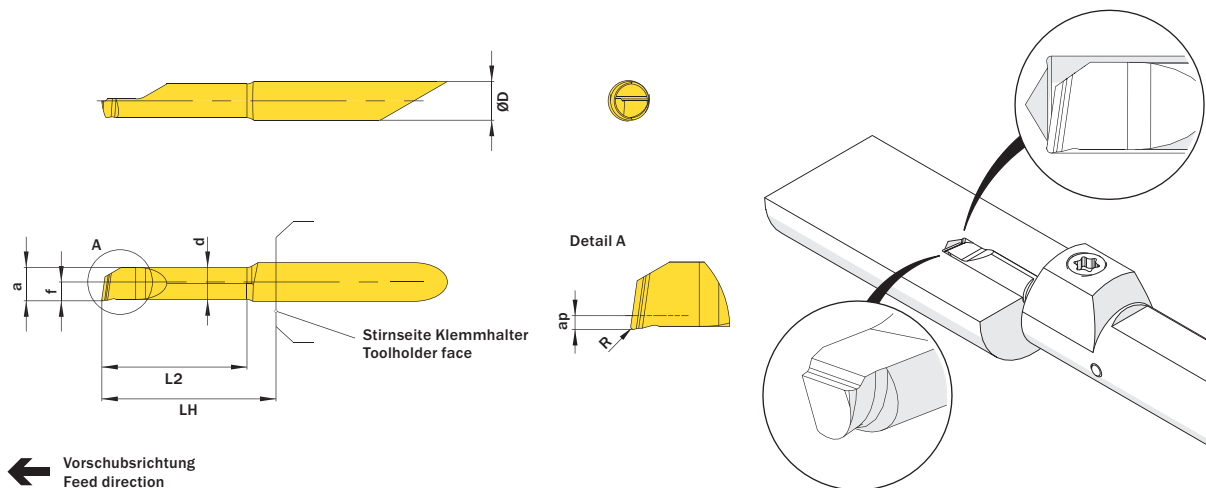


Abbildung zeigt / Drawing shows: A04.0C17.15.37.15 YER

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R   | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a    | ap   | d    | f    | LH   | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|------------------------------------------------------|------|-------------------------------------------|-----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------|------|------|------|------|------|-----------------------------------------------------------------------------|
| mm                                                   | mm   | mm                                        | mm  |                                            |                              |                                                                               |                                                              | mm   | mm   | mm   | mm   | mm   |                                                                             |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |      |                                           |     |                                            |                              |                                                                               |                                                              |      |      |      |      |      |                                                                             |
| 6,0                                                  | 15,2 | 6,2                                       | 0,2 | +                                          | A06.0030.15.62.20 YER/L      | R AS8B L AS8A                                                                 | X800 X400 GX79 X500 X400                                     | 5,95 | 0,75 | 5,7  | 2,95 | 18,0 | R A06.R L A06.L                                                             |
| 6,0                                                  | 20,3 | 6,2                                       | 0,2 | +                                          | A06.0030.20.62.20 YER/L      | R AS8D L AS8C                                                                 | X800 X400 GX79 X500 X400                                     | 5,95 | 0,75 | 5,7  | 2,95 | 23,0 | R A06.R L A06.L                                                             |
| 6,0                                                  | 25,4 | 6,2                                       | 0,2 | +                                          | A06.0030.25.62.20 YER/L      | R ASFD L ASFC                                                                 | X800 X400 GX79 X500 X400                                     | 5,95 | 0,75 | 5,7  | 2,95 | 28,0 | R A06.R L A06.L                                                             |
| 6,0                                                  | 30,5 | 6,2                                       | 0,2 | +                                          | A06.0030.30.62.20 YER/L      | R ASFF L ASFE                                                                 | X800 X400 GX79 X500 X400                                     | 5,95 | 0,75 | 5,7  | 2,95 | 33,0 | R A06.R L A06.L                                                             |
| 6,0                                                  | 40,6 | 6,2                                       | 0,2 | +                                          | A06.0030.40.62.20 YER/L      | R AWYQ L AWYP                                                                 | X800 X400 GX79 X500 X400                                     | 5,95 | 0,75 | 5,7  | 2,95 | 43,0 | R A06.R L A06.L                                                             |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 7,2 mm |      |                                           |     |                                            |                              |                                                                               |                                                              |      |      |      |      |      |                                                                             |
| 7,0                                                  | 25,4 | 7,2                                       | 0,2 | +                                          | A07.0035.25.72.20 YER/L      | R AS8F L AS8E                                                                 | X800 X400 GX79 X500 X400                                     | 6,95 | 0,9  | 6,65 | 3,45 | 28,0 | R A07.R L A07.L                                                             |
| 7,0                                                  | 30,5 | 7,2                                       | 0,2 | +                                          | A07.0035.30.72.20 YER/L      | R ASFH L ASFG                                                                 | X800 X400 GX79 X500 X400                                     | 6,95 | 0,9  | 6,65 | 3,45 | 33,0 | R A07.R L A07.L                                                             |
| 7,0                                                  | 35,6 | 7,2                                       | 0,2 | +                                          | A07.0035.35.72.20 YER/L      | R ASFK L ASFJ                                                                 | X800 X400 GX79 X500 X400                                     | 6,95 | 0,9  | 6,65 | 3,45 | 38,0 | R A07.R L A07.L                                                             |
| 7,0                                                  | 40,6 | 7,2                                       | 0,2 | +                                          | A07.0035.40.72.20 YER/L      | R AZ4Q L AZ4S                                                                 | X800 X400 GX79 X500 X400                                     | 6,95 | 0,9  | 6,65 | 3,45 | 43,0 | R A07.R L A07.L                                                             |

Bestellbeispiel // Order example: A06.0030.25.62.20 YER X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Herstellen und Ausdrehen von Bohrungen

Schneideinsätze zum Herstellen und Ausdrehen von Bohrungen.  
Kühlmittelzufuhr durch die Schneide für eine optimale Spanabfuhr.

## Machining and boring of bores

Inserts for the machining and boring of bores. With coolant supply through the insert for an optimum chip evacuation.

Schnittwerte (Start) // Cutting parameters (start)

f  
**0,02 mm/U**

Vc  
**(Seite/Page 442)**

Passende Klemmhalter auf Seite // Suitable toolholders on page

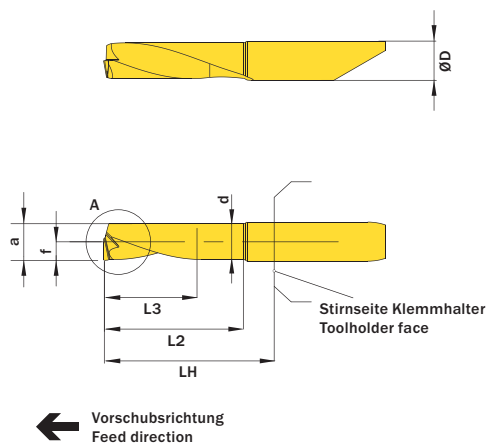
47, 48, 49, 50, 51, 52, 55, 56, 57,  
58, 59, 60, 61, 64, 65, 66, 67, 68,  
72, 80, 81



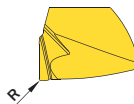
Legende  
Legend **155**

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## 1 Herstellen der Bohrung // Machining of the bore



Detail A



## 2 Ausdrehen der Bohrung // Boring of the bore

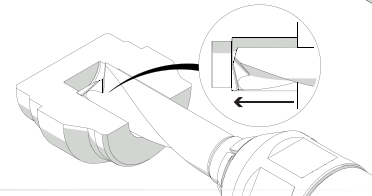


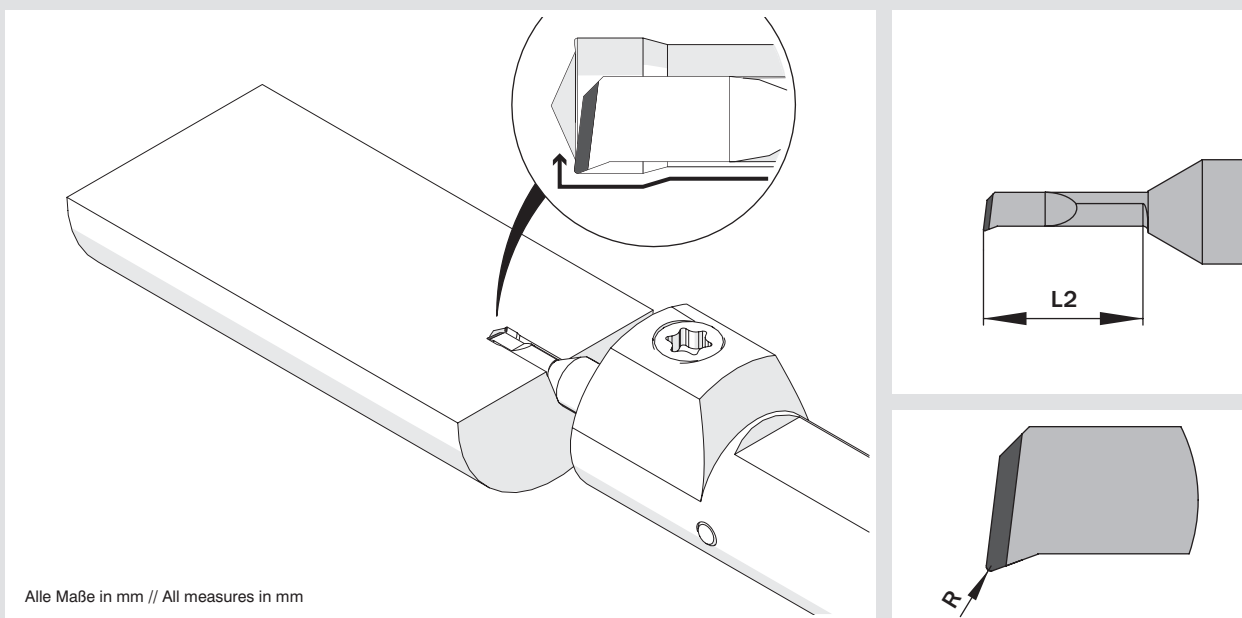
Abbildung zeigt / Drawing shows: A07.DB34.25.70.20 YR

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                | f    | L2   | R    | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                        | a    | d   | ØDCMIN | ØDCMAX | L3 (Max. Bohrungstiefe)<br>L3 (max. depth of bore) | LH   | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-------------------|------|------|------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|-----|--------|--------|----------------------------------------------------|------|-----------------------------------------------------------------------------|
| mm                | mm   | mm   | mm   |                                            |                              |                                                                               |  | mm   | mm  | mm     | mm     | mm                                                 | mm   |                                                                             |
| ▼ ØDCMAX = 4,0 mm |      |      |      |                                            |                              |                                                                               |                                                                                     |      |     |        |        |                                                    |      |                                                                             |
| 4,0               | 1,85 | 15,2 | 0,15 | +                                          | A04.DB19.15.40.15 YR         | A04Y                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 3,55 | 3,4 | 3,7    | 4,0    | 10,0                                               | 18,0 | A04T                                                                        |
| 4,0               | 1,85 | 15,2 | 0,2  | +                                          | A04.DB19.15.40.20 YR         | A038                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 3,55 | 3,4 | 3,7    | 4,0    | 10,0                                               | 18,0 | A04T                                                                        |
| 4,0               | 1,85 | 20,3 | 0,2  | +                                          | A04.DB19.20.40.20 YR         | A039                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 3,55 | 3,4 | 3,7    | 4,0    | 15,0                                               | 23,0 | A04T                                                                        |
| ▼ ØDCMAX = 5,0 mm |      |      |      |                                            |                              |                                                                               |                                                                                     |      |     |        |        |                                                    |      |                                                                             |
| 5,0               | 2,35 | 15,2 | 0,2  | +                                          | A05.DB24.15.50.20 YR         | A031                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 4,55 | 4,4 | 4,7    | 5,0    | 10,0                                               | 18,0 | A05T                                                                        |
| 5,0               | 2,35 | 20,3 | 0,2  | +                                          | A05.DB24.20.50.20 YR         | A032                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 4,55 | 4,4 | 4,7    | 5,0    | 15,0                                               | 23,0 | A05T                                                                        |
| 5,0               | 2,35 | 25,4 | 0,2  | +                                          | A05.DB24.25.50.20 YR         | A04K                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 4,55 | 4,4 | 4,7    | 5,0    | 20,0                                               | 28,0 | A05T                                                                        |
| ▼ ØDCMAX = 6,0 mm |      |      |      |                                            |                              |                                                                               |                                                                                     |      |     |        |        |                                                    |      |                                                                             |
| 6,0               | 2,85 | 15,2 | 0,2  | +                                          | A06.DB29.15.60.20 YR         | A033                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 5,55 | 5,4 | 5,7    | 6,0    | 10,0                                               | 18,0 | A06T                                                                        |
| 6,0               | 2,85 | 20,3 | 0,2  | +                                          | A06.DB29.20.60.20 YR         | A034                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 5,55 | 5,4 | 5,7    | 6,0    | 15,0                                               | 23,0 | A06T                                                                        |
| 6,0               | 2,85 | 25,4 | 0,2  | +                                          | A06.DB29.25.60.20 YR         | A04H                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 5,55 | 5,4 | 5,7    | 6,0    | 20,0                                               | 28,0 | A06T                                                                        |
| 6,0               | 2,85 | 30,5 | 0,2  | +                                          | A06.DB29.30.60.20 YR         | A04J                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 5,55 | 5,4 | 5,7    | 6,0    | 25,0                                               | 33,0 | A06T                                                                        |
| ▼ ØDCMAX = 7,0 mm |      |      |      |                                            |                              |                                                                               |                                                                                     |      |     |        |        |                                                    |      |                                                                             |
| 7,0               | 3,35 | 20,3 | 0,2  | +                                          | A07.DB34.20.70.20 YR         | A035                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 6,55 | 6,4 | 6,7    | 7,0    | 15,0                                               | 23,0 | A07T                                                                        |
| 7,0               | 3,35 | 25,4 | 0,2  | +                                          | A07.DB34.25.70.20 YR         | A036                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 6,55 | 6,4 | 6,7    | 7,0    | 20,0                                               | 28,0 | A07T                                                                        |
| 7,0               | 3,35 | 30,5 | 0,2  | +                                          | A07.DB34.30.70.20 YR         | A037                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 6,55 | 6,4 | 6,7    | 7,0    | 25,0                                               | 33,0 | A07T                                                                        |
| ▼ ØDCMAX = 8,0 mm |      |      |      |                                            |                              |                                                                               |                                                                                     |      |     |        |        |                                                    |      |                                                                             |
| 8,0               | 3,85 | 20,3 | 0,2  | +                                          | A08.DB39.20.80.20 YR         | A06W                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 7,55 | 7,4 | 7,7    | 8,0    | 15,0                                               | 23,0 | A08T                                                                        |
| 8,0               | 3,85 | 25,4 | 0,2  | +                                          | A08.DB39.25.80.20 YR         | A04F                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 7,55 | 7,4 | 7,7    | 8,0    | 20,0                                               | 28,0 | A08T                                                                        |
| 8,0               | 3,85 | 30,5 | 0,2  | +                                          | A08.DB39.30.80.20 YR         | A04G                                                                          | X800 X400 X600 GX79 X500 X400                                                       | 7,55 | 7,4 | 7,7    | 8,0    | 25,0                                               | 33,0 | A08T                                                                        |

Bestellbeispiel // Order example: **A08.DB39.20.80.20 YR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Standardwerkzeuge // Standard Tools

Ausdrehen, Hartbearbeitung  
Boring, Hard Part Turning

Alle Maße in mm // All measures in mm

| Artikelnummer<br>Part number | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | L2   | R    | siehe Seite<br>see Page |
|------------------------------|-------------------------------------------|------|------|-------------------------|
| A04.1804.04.10.10 YUR        | 1,0                                       | 4,0  | 0,1  | 108                     |
| A04.1C04.04.10.10 YUR/L      | 1,0                                       | 4,1  | 0,1  | 108                     |
| A04.1804.06.10.10 YUR        | 1,0                                       | 6,0  | 0,1  | 108                     |
| A04.1C04.06.10.10 YUR/L      | 1,0                                       | 6,1  | 0,1  | 108                     |
| A04.1804.08.10.10 YUR        | 1,0                                       | 8,1  | 0,1  | 108                     |
| A04.1C04.08.10.10 YUR/L      | 1,0                                       | 8,1  | 0,1  | 108                     |
| A04.1805.04.12.10 YUR        | 1,2                                       | 5,1  | 0,1  | 108                     |
| A04.1C05.04.12.10 YUR/L      | 1,2                                       | 5,1  | 0,1  | 108                     |
| A04.1805.07.12.10 YUR        | 1,2                                       | 7,1  | 0,1  | 108                     |
| A04.1C05.07.12.10 YUR/L      | 1,2                                       | 7,1  | 0,1  | 108                     |
| A04.1805.09.12.10 YUR        | 1,2                                       | 9,1  | 0,1  | 108                     |
| A04.1C05.09.12.10 YUR/L      | 1,2                                       | 9,1  | 0,1  | 108                     |
| A04.1806.06.14.10 YUR        | 1,4                                       | 6,1  | 0,1  | 108                     |
| A04.1C06.06.14.10 YUR/L      | 1,4                                       | 6,1  | 0,1  | 108                     |
| A04.1806.10.14.10 YUR        | 1,4                                       | 10,2 | 0,1  | 108                     |
| A04.1C06.10.14.10 YUR/L      | 1,4                                       | 10,2 | 0,1  | 108                     |
| A04.1807.06.17.10 YUR/L      | 1,7                                       | 6,1  | 0,1  | 109                     |
| A04.1C07.06.17.10 YUR/L      | 1,7                                       | 6,1  | 0,1  | 109                     |
| A04.1807.09.17.10 YUR        | 1,7                                       | 9,1  | 0,1  | 109                     |
| A04.1C07.09.17.10 YUR/L      | 1,7                                       | 9,1  | 0,1  | 109                     |
| A04.1808.09.19.10 YUR        | 1,9                                       | 9,1  | 0,1  | 109                     |
| A04.1C08.09.19.10 YUR/L      | 1,9                                       | 9,1  | 0,1  | 109                     |
| A04.1808.12.19.10 YUR        | 1,9                                       | 12,2 | 0,1  | 109                     |
| A04.1C08.12.19.10 YUR/L      | 1,9                                       | 12,2 | 0,1  | 109                     |
| A04.1810.06.22.10 YUR        | 2,2                                       | 6,0  | 0,1  | 109                     |
| A04.1C10.06.22.10 YUR/L      | 2,2                                       | 6,1  | 0,1  | 109                     |
| A04.1810.09.22.10 YUR/L      | 2,2                                       | 9,1  | 0,1  | 109                     |
| A04.1C10.09.22.10 YUR/L      | 2,2                                       | 9,1  | 0,1  | 109                     |
| A04.1810.13.22.10 YUR        | 2,2                                       | 13,2 | 0,1  | 109                     |
| A04.1C10.13.22.10 YUR/L      | 2,2                                       | 13,2 | 0,1  | 109                     |
| A04.1812.10.27.15 YUR/L      | 2,7                                       | 10,2 | 0,15 | 110                     |
| A04.1C12.10.27.15 YUR/L      | 2,7                                       | 10,2 | 0,15 | 110                     |
| A04.1812.15.27.15 YUR/L      | 2,7                                       | 15,2 | 0,15 | 110                     |
| A04.1C12.15.27.15 YUR/L      | 2,7                                       | 15,2 | 0,15 | 110                     |
| A04.1814.15.30.15 YUR        | 3,0                                       | 15,2 | 0,15 | 110                     |
| A04.1C14.15.30.15 YUR/L      | 3,0                                       | 15,2 | 0,15 | 110                     |
| A04.1814.20.30.15 YUR        | 3,0                                       | 20,3 | 0,15 | 110                     |
| A04.1C14.20.30.15 YUR/L      | 3,0                                       | 20,3 | 0,15 | 110                     |
| A04.1815.10.32.15 YUR/L      | 3,2                                       | 10,2 | 0,15 | 110                     |
| A04.1C15.10.32.15 YUR/L      | 3,2                                       | 10,2 | 0,15 | 110                     |
| A04.1815.15.32.15 YUR/L      | 3,2                                       | 15,2 | 0,15 | 110                     |

| Artikelnummer<br>Part number | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | L2   | R    | siehe Seite<br>see Page |
|------------------------------|-------------------------------------------|------|------|-------------------------|
| A04.1C15.15.32.15 YUR/L      | 3,2                                       | 15,2 | 0,15 | 110                     |
| A04.1815.20.32.15 YUR/L      | 3,2                                       | 20,3 | 0,15 | 110                     |
| A04.1C15.20.32.15 YUR/L      | 3,2                                       | 20,3 | 0,15 | 110                     |
| A04.1817.10.37.15 YUR        | 3,7                                       | 10,2 | 0,15 | 111                     |
| A04.1C17.10.37.15 YUR/L      | 3,7                                       | 10,2 | 0,15 | 111                     |
| A04.1817.15.37.15 YUR/L      | 3,7                                       | 15,2 | 0,15 | 111                     |
| A04.1C17.15.37.15 YUR/L      | 3,7                                       | 15,2 | 0,15 | 111                     |
| A04.1817.20.37.15 YUR        | 3,7                                       | 20,3 | 0,15 | 111                     |
| A04.1C17.20.37.15 YUR/L      | 3,7                                       | 20,3 | 0,15 | 111                     |
| A04.1817.25.37.10 YUR        | 3,7                                       | 25,4 | 0,1  | 111                     |
| A04.1C17.25.37.10 YUR/L      | 3,7                                       | 25,4 | 0,1  | 111                     |
| A04.1817.25.37.15 YUR        | 3,7                                       | 25,4 | 0,15 | 111                     |
| A04.1C17.25.37.15 YUR/L      | 3,7                                       | 25,4 | 0,15 | 111                     |
| A04.1820.10.42.15 YUR/L      | 4,2                                       | 10,2 | 0,15 | 111                     |
| A04.2020.10.42.15 YUR/L      | 4,2                                       | 10,2 | 0,15 | 111                     |
| A04.1820.15.42.15 YUR/L      | 4,2                                       | 15,2 | 0,15 | 111                     |
| A04.1820.20.42.15 YUR/L      | 4,2                                       | 20,3 | 0,15 | 111                     |
| A04.1820.25.42.15 YUR/L      | 4,2                                       | 25,4 | 0,15 | 111                     |
| A05.1825.10.52.20 YUR/L      | 5,2                                       | 10,2 | 0,2  | 112                     |
| A05.1825.15.52.20 YUR/L      | 5,2                                       | 15,2 | 0,2  | 112                     |
| A05.1825.20.52.20 YUR/L      | 5,2                                       | 20,3 | 0,2  | 112                     |
| A05.1825.25.52.20 YUR/L      | 5,2                                       | 25,4 | 0,2  | 112                     |
| A05.1825.30.52.20 YUR/L      | 5,2                                       | 30,5 | 0,2  | 112                     |
| A05.1825.40.52.20 YUR/L      | 5,2                                       | 40,6 | 0,2  | 112                     |
| A06.1830.15.62.20 YUR/L      | 6,2                                       | 15,2 | 0,2  | 112                     |
| A06.1830.20.62.20 YUR/L      | 6,2                                       | 20,3 | 0,2  | 112                     |
| A06.1830.25.62.20 YUR/L      | 6,2                                       | 25,4 | 0,2  | 112                     |
| A06.1830.30.62.20 YUR/L      | 6,2                                       | 30,5 | 0,2  | 112                     |
| A06.1830.35.62.20 YUR/L      | 6,2                                       | 35,6 | 0,2  | 112                     |
| A06.1830.40.62.20 YUR/L      | 6,2                                       | 40,6 | 0,2  | 112                     |
| A07.1835.25.72.20 YUR/L      | 7,2                                       | 25,4 | 0,2  | 112                     |
| A07.1835.30.72.20 YUR/L      | 7,2                                       | 30,5 | 0,2  | 112                     |
| A07.1835.35.72.20 YUR/L      | 7,2                                       | 35,6 | 0,2  | 112                     |
| A07.1835.40.72.20 YUR/L      | 7,2                                       | 40,6 | 0,2  | 112                     |
| A07.1835.50.72.20 YUR/L      | 7,2                                       | 50,8 | 0,2  | 112                     |

## Ausdrehen, Hartbearbeitung

In Verbindung mit einem CBN-Schneidstoff besonders geeignet für die Hartbearbeitung ab Bohrungsdurchmesser 1,0 mm.

## Boring, Hard Part Turning

First choice for hard part turning applications in bores as of bore diameter 1,0 mm in combination with our CBN grades.

Schnittwerte (Start) // Cutting parameters (start)

$f$  0,02 mm/U  $V_c$  (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 46, 47, 48, 54, 55, 57, 64,  
65, 68, 69, 70, 73, 75, 76, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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Legende  
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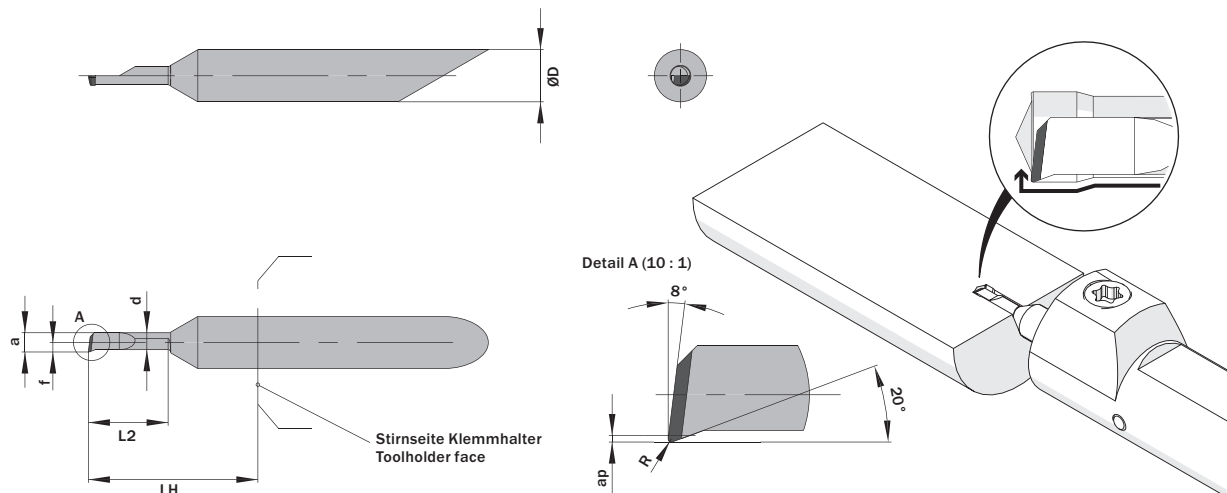


Abbildung zeigt / Drawing shows: A04.1807.06.17.10 YUR / L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R   | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades | a    | ap   | d    | f    | LH     | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|------------------------------------------------------|------|-------------------------------------------|-----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|------|------|------|------|--------|-----------------------------------------------------------------------------|
| mm                                                   | mm   | mm                                        | mm  |                                            |                              |                                                                               | H                                                         | mm   | mm   | mm   | mm   | mm     |                                                                             |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,0 mm |      |                                           |     |                                            |                              |                                                                               |                                                           |      |      |      |      |        |                                                                             |
| 4,0                                                  | 4,0  | 1,0                                       | 0,1 | -                                          | A04.1804.04.10.10 YUR        | A53N                                                                          | CBN8                                                      | 0,95 | 0,05 | 0,75 | 0,45 | 13,0   | A04.R upd                                                                   |
| 4,0                                                  | 4,1  | 1,0                                       | 0,1 | +                                          | A04.1C04.04.10.10 YUR/L      | R ADBK L AJ4P                                                                 | CBN8                                                      | 0,95 | 0,05 | 0,75 | 1,95 | 13,0 R | A04C.R L A04C.L upd                                                         |
| 4,0                                                  | 6,0  | 1,0                                       | 0,1 | -                                          | A04.1804.06.10.10 YUR        | A53K                                                                          | CBN8                                                      | 0,95 | 0,05 | 0,75 | 0,45 | 13,0   | A04.R upd                                                                   |
| 4,0                                                  | 6,1  | 1,0                                       | 0,1 | +                                          | A04.1C04.06.10.10 YUR/L      | R ADCN L APKW                                                                 | CBN8                                                      | 0,95 | 0,05 | 0,75 | 1,95 | 13,0 R | A04C.R L A04C.L upd                                                         |
| 4,0                                                  | 8,1  | 1,0                                       | 0,1 | -                                          | A04.1804.08.10.10 YUR        | A53Q                                                                          | CBN8                                                      | 0,95 | 0,05 | 0,75 | 0,45 | 13,0   | A04.R upd                                                                   |
| 4,0                                                  | 8,1  | 1,0                                       | 0,1 | +                                          | A04.1C04.08.10.10 YUR/L      | R AKCE L ACV1                                                                 | CBN8                                                      | 0,95 | 0,05 | 0,75 | 1,95 | 13,0 R | A04C.R L A04C.L upd                                                         |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,2 mm |      |                                           |     |                                            |                              |                                                                               |                                                           |      |      |      |      |        |                                                                             |
| 4,0                                                  | 5,1  | 1,2                                       | 0,1 | -                                          | A04.1805.04.12.10 YUR        | A53T                                                                          | CBN8                                                      | 1,1  | 0,06 | 0,85 | 0,55 | 13,0   | A04.R upd                                                                   |
| 4,0                                                  | 5,1  | 1,2                                       | 0,1 | +                                          | A04.1C05.04.12.10 YUR/L      | R AW3Y L AW3X                                                                 | CBN8                                                      | 1,1  | 0,06 | 0,85 | 1,95 | 13,0 R | A04C.R L A04C.L upd                                                         |
| 4,0                                                  | 7,1  | 1,2                                       | 0,1 | -                                          | A04.1805.07.12.10 YUR        | A53V                                                                          | CBN8                                                      | 1,1  | 0,06 | 0,85 | 0,55 | 13,0   | A04.R upd                                                                   |
| 4,0                                                  | 7,1  | 1,2                                       | 0,1 | +                                          | A04.1C05.07.12.10 YUR/L      | R AW30 L AW3Z                                                                 | CBN8                                                      | 1,1  | 0,06 | 0,85 | 1,95 | 13,0 R | A04C.R L A04C.L upd                                                         |
| 4,0                                                  | 9,1  | 1,2                                       | 0,1 | -                                          | A04.1805.09.12.10 YUR        | A53X                                                                          | CBN8                                                      | 1,1  | 0,06 | 0,85 | 0,55 | 13,0   | A04.R upd                                                                   |
| 4,0                                                  | 9,1  | 1,2                                       | 0,1 | +                                          | A04.1C05.09.12.10 YUR/L      | R AW32 L AW31                                                                 | CBN8                                                      | 1,1  | 0,06 | 0,85 | 1,95 | 13,0 R | A04C.R L A04C.L upd                                                         |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,4 mm |      |                                           |     |                                            |                              |                                                                               |                                                           |      |      |      |      |        |                                                                             |
| 4,0                                                  | 6,1  | 1,4                                       | 0,1 | -                                          | A04.1806.06.14.10 YUR        | A53Z                                                                          | CBN8                                                      | 1,25 | 0,07 | 0,95 | 0,6  | 13,0   | A04.R upd                                                                   |
| 4,0                                                  | 6,1  | 1,4                                       | 0,1 | +                                          | A04.1C06.06.14.10 YUR/L      | R AW34 L AW33                                                                 | CBN8                                                      | 1,25 | 0,07 | 0,95 | 1,95 | 13,0 R | A04C.R L A04C.L upd                                                         |
| 4,0                                                  | 10,2 | 1,4                                       | 0,1 | -                                          | A04.1806.10.14.10 YUR        | A531                                                                          | CBN8                                                      | 1,25 | 0,07 | 0,95 | 0,6  | 13,0   | A04.R upd                                                                   |
| 4,0                                                  | 10,2 | 1,4                                       | 0,1 | +                                          | A04.1C06.10.14.10 YUR/L      | R AW36 L AW35                                                                 | CBN8                                                      | 1,25 | 0,07 | 0,95 | 1,95 | 13,0 R | A04C.R L A04C.L upd                                                         |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1804.04.10.10 YUR CBN8 (R = Rechte Ausführung // Right hand version, CBN8 = Schneidstoff // Grade)



# Ausdrehen, Hartbearbeitung

In Verbindung mit einem CBN-Schneidstoff besonders geeignet für die Hartbearbeitung ab Bohrungsdurchmesser 1,7 mm.

## Boring, Hard Part Turning

First choice for hard part turning applications in bores as of bore diameter 1,7 mm in combination with our CBN grades.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 46, 47, 48, 54, 55, 57, 64,  
65, 68, 69, 70, 73, 75, 76, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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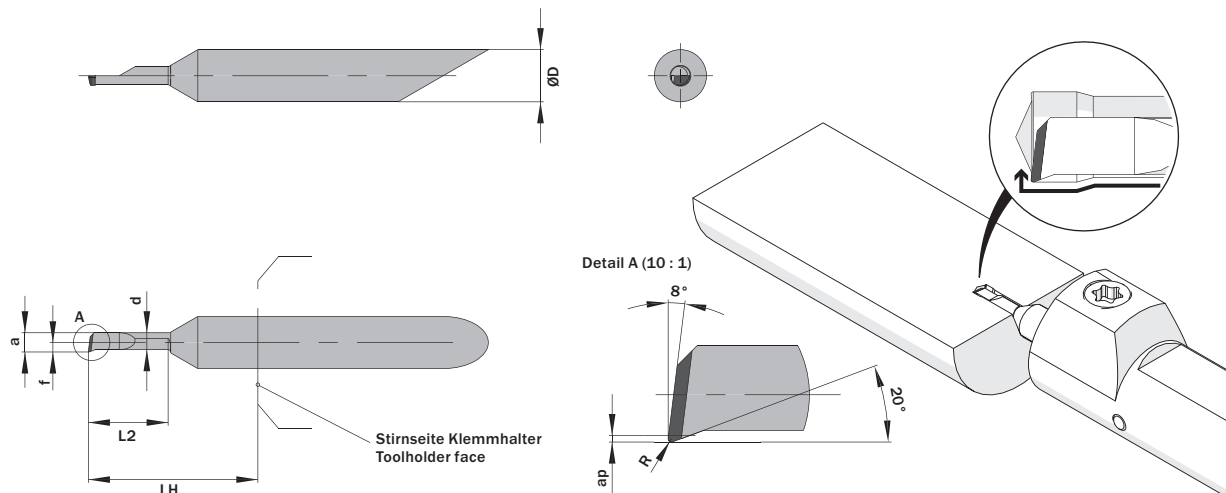
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Abbildung zeigt / Drawing shows: A04.1807.06.17.10 YUR / L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades                                                                                                                                                                                                       | a  | ap | d  | f  | LH | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | Tagessaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a><br><br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | mm | mm | mm | mm | mm |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,7 mm

|     |     |     |     |   |                         |               |      |      |      |      |      |      |                   |
|-----|-----|-----|-----|---|-------------------------|---------------|------|------|------|------|------|------|-------------------|
| 4,0 | 6,1 | 1,7 | 0,1 | - | A04.1807.06.17.10 YUR/L | R AG1U L AGGP | CBN8 | 1,45 | 0,08 | 1,05 | 0,7  | 13,0 | R A04.R L A04.L   |
| 4,0 | 6,1 | 1,7 | 0,1 | + | A04.1C07.06.17.10 YUR/L | R AJ7P L AN6Q | CBN8 | 1,45 | 0,08 | 1,05 | 1,95 | 13,0 | R A04C.R L A04C.L |
| 4,0 | 9,1 | 1,7 | 0,1 | - | A04.1807.09.17.10 YUR   | A533          | CBN8 | 1,45 | 0,08 | 1,05 | 0,7  | 13,0 | A04.R             |
| 4,0 | 9,1 | 1,7 | 0,1 | + | A04.1C07.09.17.10 YUR/L | R AN0V L A120 | CBN8 | 1,45 | 0,08 | 1,05 | 1,95 | 13,0 | R A04C.R L A04C.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,9 mm

|     |      |     |     |   |                         |               |      |      |     |      |      |      |                   |
|-----|------|-----|-----|---|-------------------------|---------------|------|------|-----|------|------|------|-------------------|
| 4,0 | 9,1  | 1,9 | 0,1 | - | A04.1808.09.19.10 YUR   | A535          | CBN8 | 1,65 | 0,1 | 1,25 | 0,85 | 13,0 | A04.R             |
| 4,0 | 9,1  | 1,9 | 0,1 | + | A04.1C08.09.19.10 YUR/L | R AW38 L AW37 | CBN8 | 1,65 | 0,1 | 1,25 | 1,95 | 13,0 | R A04C.R L A04C.L |
| 4,0 | 12,2 | 1,9 | 0,1 | - | A04.1808.12.19.10 YUR   | A537          | CBN8 | 1,65 | 0,1 | 1,25 | 0,85 | 18,0 | A04.R             |
| 4,0 | 12,2 | 1,9 | 0,1 | + | A04.1C08.12.19.10 YUR/L | R AW4A L AW39 | CBN8 | 1,65 | 0,1 | 1,25 | 1,95 | 18,0 | R A04C.R L A04C.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,2 mm

|     |      |     |     |   |                         |               |      |      |      |      |      |      |                   |
|-----|------|-----|-----|---|-------------------------|---------------|------|------|------|------|------|------|-------------------|
| 4,0 | 6,0  | 2,2 | 0,1 | • | A04.1810.06.22.10 YUR   | A539          | CBN8 | 1,95 | 0,11 | 1,55 | 0,95 | 13,0 | A04.R             |
| 4,0 | 6,1  | 2,2 | 0,1 | + | A04.1C10.06.22.10 YUR/L | R AAPX L AJMG | CBN8 | 1,95 | 0,11 | 1,55 | 1,95 | 13,0 | R A04C.R L A04C.L |
| 4,0 | 9,1  | 2,2 | 0,1 | • | A04.1810.09.22.10 YUR/L | R AHS2 L AJFD | CBN8 | 1,95 | 0,11 | 1,55 | 0,95 | 13,0 | R A04.R L A04.L   |
| 4,0 | 9,1  | 2,2 | 0,1 | + | A04.1C10.09.22.10 YUR/L | R ANZ8 L A1T5 | CBN8 | 1,95 | 0,11 | 1,55 | 1,95 | 13,0 | R A04C.R L A04C.L |
| 4,0 | 13,2 | 2,2 | 0,1 | • | A04.1810.13.22.10 YUR   | A54B          | CBN8 | 1,95 | 0,11 | 1,55 | 0,95 | 18,0 | A04.R             |
| 4,0 | 13,2 | 2,2 | 0,1 | + | A04.1C10.13.22.10 YUR/L | R ABTM L AFZ1 | CBN8 | 1,95 | 0,11 | 1,55 | 1,95 | 18,0 | R A04C.R L A04C.L |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1810.09.22.10 YUR CBN8 (R = Rechte Ausführung // Right hand version, CBN8 = Schneidstoff // Grade)



# Ausdrehen, Hartbearbeitung und WIPER-Geometrie

In Verbindung mit einem CBN-Schneidstoff besonders geeignet für die Hartbearbeitung ab Bohrungsdurchmesser 2,7 mm.

## Boring, Hard Part Turning plus WIPER-Geometry

First choice for hard part turning applications in bores as of bore diameter 2,7 mm in combination with our CBN grades.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 46, 47, 48, 54, 55, 57, 64,  
65, 68, 69, 70, 73, 75, 76, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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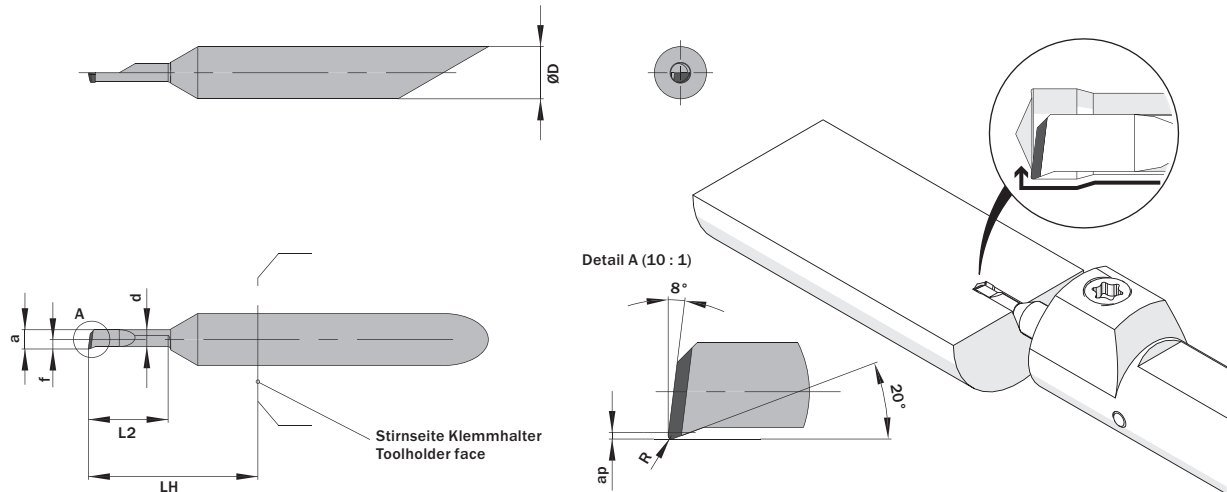
Legende  
Legend 155Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/1052](http://www.simtek.info/cp/1052)

Abbildung zeigt / Drawing shows: A04.1807.06.17.10 YUR / L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene Schneidstoffe<br>Recommended cutting grades<br>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | a  | ap | d  | f  | LH | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               |                                                                                                                                                                              | mm | mm | mm | mm | mm |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,7 mm

|     |      |     |      |   |                         |               |      |      |      |      |      |      |                   |
|-----|------|-----|------|---|-------------------------|---------------|------|------|------|------|------|------|-------------------|
| 4,0 | 10,2 | 2,7 | 0,15 | - | A04.1812.10.27.15 YUR/L | R AKDS L ADHA | CBN8 | 2,45 | 0,13 | 2,05 | 1,2  | 13,0 | R A04.R L A04.L   |
| 4,0 | 10,2 | 2,7 | 0,15 | + | A04.1C12.10.27.15 YUR/L | R APSV L ACU3 | CBN8 | 2,45 | 0,13 | 2,05 | 1,95 | 13,0 | R A04C.R L A04C.L |
| 4,0 | 15,2 | 2,7 | 0,15 | - | A04.1812.15.27.15 YUR/L | R AWK9 L AW4X | CBN8 | 2,45 | 0,13 | 2,05 | 1,2  | 18,0 | R A04.R L A04.L   |
| 4,0 | 15,2 | 2,7 | 0,15 | + | A04.1C12.15.27.15 YUR/L | R AAQ6 L AG95 | CBN8 | 2,45 | 0,13 | 2,05 | 1,95 | 18,0 | R A04C.R L A04C.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,0 mm

|     |      |     |      |   |                         |               |      |      |     |      |      |      |                   |
|-----|------|-----|------|---|-------------------------|---------------|------|------|-----|------|------|------|-------------------|
| 4,0 | 15,2 | 3,0 | 0,15 | - | A04.1814.15.30.15 YUR   | A54D          | CBN8 | 2,75 | 0,1 | 2,35 | 1,35 | 23,0 | A04.R             |
| 4,0 | 15,2 | 3,0 | 0,15 | + | A04.1C14.15.30.15 YUR/L | R AW4C L AW4B | CBN8 | 2,75 | 0,1 | 2,35 | 1,95 | 23,0 | R A04C.R L A04C.L |
| 4,0 | 20,3 | 3,0 | 0,15 | - | A04.1814.20.30.15 YUR   | A54F          | CBN8 | 2,75 | 0,1 | 2,35 | 1,35 | 23,0 | A04.R             |
| 4,0 | 20,3 | 3,0 | 0,15 | + | A04.1C14.20.30.15 YUR/L | R AGYZ L ANDP | CBN8 | 2,75 | 0,1 | 2,35 | 1,95 | 23,0 | R A04C.R L A04C.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,2 mm

|     |      |     |      |   |                         |               |      |      |      |      |      |      |                   |
|-----|------|-----|------|---|-------------------------|---------------|------|------|------|------|------|------|-------------------|
| 4,0 | 10,2 | 3,2 | 0,15 | - | A04.1815.10.32.15 YUR/L | R ADD4 L AB88 | CBN8 | 2,95 | 0,16 | 2,55 | 1,45 | 13,0 | R A04.R L A04.L   |
| 4,0 | 10,2 | 3,2 | 0,15 | + | A04.1C15.10.32.15 YUR/L | R APBY L ABA4 | CBN8 | 2,95 | 0,16 | 2,55 | 1,95 | 13,0 | R A04C.R L A04C.L |
| 4,0 | 15,2 | 3,2 | 0,15 | - | A04.1815.15.32.15 YUR/L | R AGV L AJV6  | CBN8 | 2,95 | 0,16 | 2,55 | 1,45 | 18,0 | R A04.R L A04.L   |
| 4,0 | 15,2 | 3,2 | 0,15 | + | A04.1C15.15.32.15 YUR/L | R APHK L AFG3 | CBN8 | 2,95 | 0,16 | 2,55 | 1,95 | 18,0 | R A04C.R L A04C.L |
| 4,0 | 20,3 | 3,2 | 0,15 | - | A04.1815.20.32.15 YUR/L | R AQ5Q L ATT2 | CBN8 | 2,95 | 0,16 | 2,55 | 1,45 | 23,0 | R A04.R L A04.L   |
| 4,0 | 20,3 | 3,2 | 0,15 | + | A04.1C15.20.32.15 YUR/L | R AHC2 L AD09 | CBN8 | 2,95 | 0,16 | 2,55 | 1,95 | 23,0 | R A04C.R L A04C.L |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1812.10.27.15 YUR CBN8 (R = Rechte Ausführung // Right hand version, CBN8 = Schneidstoff // Grade)

# Ausdrehen, Hartbearbeitung und WIPER Geometrie

In Verbindung mit einem CBN-Schneidstoff besonders geeignet für die Hartbearbeitung ab Bohrungsdurchmesser 4,2 mm.

## Boring, Hard Part Turning plus WIPER-Geometry

First choice for hard part turning applications in bores as of bore diameter 4,2 mm in combination with our CBN grades.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | V <sub>c</sub>   |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 46, 47, 48, 54, 55, 57, 64,  
65, 68, 69, 70, 73, 75, 76, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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SP  
CBN

R

Legende  
Legend

155

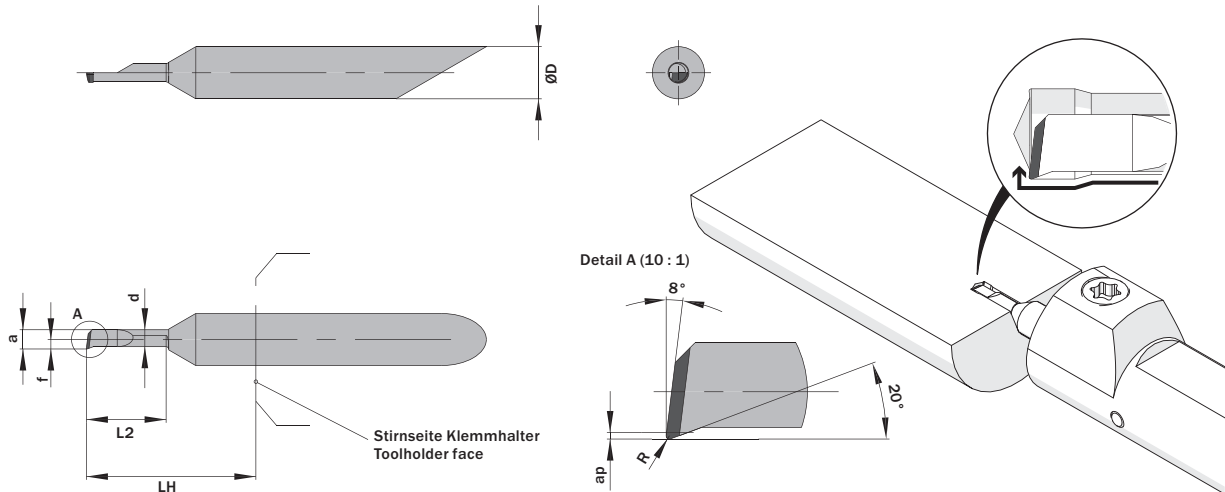
Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1053](http://www.simtek.info/cp/1053)

Abbildung zeigt / Drawing shows: A04.1807.06.17.10 YUR / L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades                                                                                                                                                                                                                  | a  | ap | d  | f  | LH | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | <p>Tagessaktuelle Verfügbarkeit<br/>und Preise finden Sie auf<br/><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></p> <p>You can find current<br/>availability and prices on<br/><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></p> | mm | mm | mm | mm | mm |                                                                             |
|    |    |                                           |    |                                            |                              |                                                                               | H                                                                                                                                                                                                                                                                          |    |    |    |    |    |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,7 mm

|     |      |     |      |   |                         |             |      |      |      |      |      |      |                   |
|-----|------|-----|------|---|-------------------------|-------------|------|------|------|------|------|------|-------------------|
| 4,0 | 10,2 | 3,7 | 0,15 | - | A04.1817.10.37.15 YUR   | A54H        | CBN8 | 3,45 | 0,18 | 3,05 | 1,7  | 13,0 | A04.R             |
| 4,0 | 10,2 | 3,7 | 0,15 | + | A04.1C17.10.37.15 YUR/L | AF4J L AHZV | CBN8 | 3,45 | 0,18 | 3,05 | 1,95 | 13,0 | A04.C.R L A04.C.L |
| 4,0 | 15,2 | 3,7 | 0,15 | - | A04.1817.15.37.15 YUR/L | ABVW L AFNM | CBN8 | 3,45 | 0,18 | 3,05 | 1,7  | 18,0 | A04.R L A04.L     |
| 4,0 | 15,2 | 3,7 | 0,15 | + | A04.1C17.15.37.15 YUR/L | AJ9Y L ABDU | CBN8 | 3,45 | 0,18 | 3,05 | 1,95 | 18,0 | A04.C.R L A04.C.L |
| 4,0 | 20,3 | 3,7 | 0,15 | - | A04.1817.20.37.15 YUR   | A54K        | CBN8 | 3,45 | 0,18 | 3,05 | 1,7  | 23,0 | A04.R             |
| 4,0 | 20,3 | 3,7 | 0,15 | + | A04.1C17.20.37.15 YUR/L | AHN6 L ABFZ | CBN8 | 3,45 | 0,18 | 3,05 | 1,95 | 23,0 | A04.C.R L A04.C.L |
| 4,0 | 25,4 | 3,7 | 0,1  | - | A04.1817.25.37.10 YUR   | A54N        | CBN8 | 3,45 | 0,18 | 3,05 | 1,7  | 28,0 | A04.R             |
| 4,0 | 25,4 | 3,7 | 0,1  | + | A04.1C17.25.37.10 YUR/L | AK2Z L AGKZ | CBN8 | 3,45 | 0,18 | 3,05 | 1,95 | 28,0 | A04.C.R L A04.C.L |
| 4,0 | 25,4 | 3,7 | 0,15 | - | A04.1817.25.37.15 YUR   | A54Q        | CBN8 | 3,45 | 0,21 | 3,05 | 1,7  | 28,0 | A04.R             |
| 4,0 | 25,4 | 3,7 | 0,15 | + | A04.1C17.25.37.15 YUR/L | AM56 L ATWA | CBN8 | 3,45 | 0,21 | 3,05 | 1,95 | 28,0 | A04.C.R L A04.C.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm

|     |      |     |      |   |                         |             |      |      |      |      |      |      |                   |
|-----|------|-----|------|---|-------------------------|-------------|------|------|------|------|------|------|-------------------|
| 4,0 | 10,2 | 4,2 | 0,15 | + | A04.1820.10.42.15 YUR/L | AH9U L AH6F | CBN8 | 3,95 | 0,21 | 3,45 | 1,95 | 13,0 | A04.C.R L A04.C.L |
| 4,0 | 15,2 | 4,2 | 0,15 | + | A04.1820.15.42.15 YUR/L | AJ94 L AMC8 | CBN8 | 3,95 | 0,21 | 3,45 | 1,95 | 18,0 | A04.C.R L A04.C.L |
| 4,0 | 20,3 | 4,2 | 0,15 | + | A04.1820.20.42.15 YUR/L | AHVV L ABZS | CBN8 | 3,95 | 0,21 | 3,45 | 1,95 | 23,0 | A04.C.R L A04.C.L |
| 4,0 | 25,4 | 4,2 | 0,15 | + | A04.1820.25.42.15 YUR/L | AKJE L ACN3 | CBN8 | 3,95 | 0,21 | 3,45 | 1,95 | 28,0 | A04.C.R L A04.C.L |
| 4,0 | 10,2 | 4,2 | 0,15 | + | A04.2020.10.42.15 YUR/L | AQQC L A4X3 | CBN8 | 3,95 | 0,21 | 3,45 | 1,95 | 13,0 | A04.R L A04.L     |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.1817.15.37.15 YUR CBN8 (R = Rechte Ausführung // Right hand version, CBN8 = Schneidstoff // Grade)

# Ausdrehen, Hartbearbeitung und WIPER-Geometrie

In Verbindung mit einem CBN-Schneidstoff besonders geeignet für die Hartbearbeitung ab Bohrungsdurchmesser 6,2 mm.

## Boring, Hard Part Turning plus WIPER-Geometry

First choice for hard part turning applications in bores as of bore diameter 6,2 mm in combination with our CBN grades.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

41, 42, 43, 45, 47, 49, 50, 51, 55,  
56, 58, 59, 60, 64, 65, 66, 67, 68,  
69, 70, 71, 74, 75, 76, 77, 78, 79,  
80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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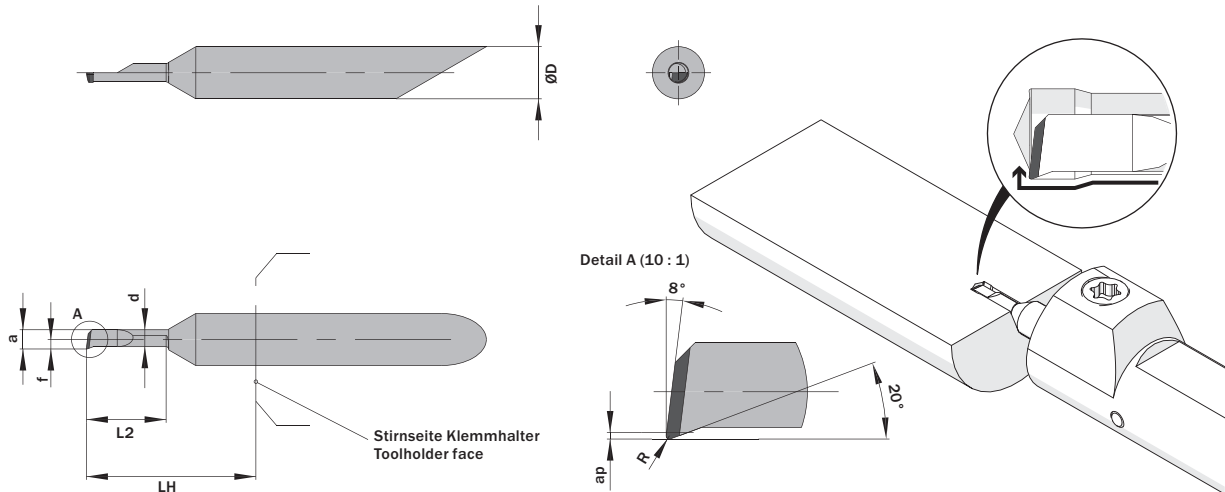
Legende  
Legend 155Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/1063](http://www.simtek.info/cp/1063)

Abbildung zeigt / Drawing shows: A04.1807.06.17.10 YUR / L

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades                                                                                                                                                                                                   | a  | ap | d  | f  | LH | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|-----------------------------------------------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                                                               | Tagessaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a><br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | mm | mm | mm | mm | mm |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm

|     |      |     |     |   |                         |               |      |      |      |      |      |      |                 |
|-----|------|-----|-----|---|-------------------------|---------------|------|------|------|------|------|------|-----------------|
| 5,0 | 10,2 | 5,2 | 0,2 | + | A05.1825.10.52.20 YUR/L | R AHH5 L AHHM | CBN8 | 4,95 | 0,26 | 4,25 | 2,45 | 13,0 | R A05.R L A05.L |
| 5,0 | 15,2 | 5,2 | 0,2 | + | A05.1825.15.52.20 YUR/L | R AD1K L AE8S | CBN8 | 4,95 | 0,26 | 4,25 | 2,45 | 18,0 | R A05.R L A05.L |
| 5,0 | 20,3 | 5,2 | 0,2 | + | A05.1825.20.52.20 YUR/L | R AHAX L AM28 | CBN8 | 4,95 | 0,26 | 4,25 | 2,45 | 23,0 | R A05.R L A05.L |
| 5,0 | 25,4 | 5,2 | 0,2 | + | A05.1825.25.52.20 YUR/L | R AA87 L ADPG | CBN8 | 4,95 | 0,26 | 4,25 | 2,45 | 28,0 | R A05.R L A05.L |
| 5,0 | 30,5 | 5,2 | 0,2 | + | A05.1825.30.52.20 YUR/L | R ADNS L ABNV | CBN8 | 4,95 | 0,26 | 4,25 | 2,45 | 33,0 | R A05.R L A05.L |
| 5,0 | 40,6 | 5,2 | 0,2 | + | A05.1825.40.52.20 YUR/L | R AJBN L AF1T | CBN8 | 4,95 | 0,26 | 4,25 | 2,45 | 43,0 | R A05.R L A05.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm

|     |      |     |     |   |                         |               |      |      |      |      |      |      |                 |
|-----|------|-----|-----|---|-------------------------|---------------|------|------|------|------|------|------|-----------------|
| 6,0 | 15,2 | 6,2 | 0,2 | + | A06.1830.15.62.20 YUR/L | R ADEW L APKD | CBN8 | 5,95 | 0,31 | 5,25 | 2,95 | 18,0 | R A06.R L A06.L |
| 6,0 | 20,3 | 6,2 | 0,2 | + | A06.1830.20.62.20 YUR/L | R AEWG L AD88 | CBN8 | 5,95 | 0,31 | 5,25 | 2,95 | 23,0 | R A06.R L A06.L |
| 6,0 | 25,4 | 6,2 | 0,2 | + | A06.1830.25.62.20 YUR/L | R ACXE L AH4U | CBN8 | 5,95 | 0,31 | 5,25 | 2,95 | 28,0 | R A06.R L A06.L |
| 6,0 | 30,5 | 6,2 | 0,2 | + | A06.1830.30.62.20 YUR/L | R AEJ9 L AGTA | CBN8 | 5,95 | 0,31 | 5,25 | 2,95 | 33,0 | R A06.R L A06.L |
| 6,0 | 35,6 | 6,2 | 0,2 | + | A06.1830.35.62.20 YUR/L | R ANYT L ANN5 | CBN8 | 5,95 | 0,31 | 5,25 | 2,95 | 38,0 | R A06.R L A06.L |
| 6,0 | 40,6 | 6,2 | 0,2 | + | A06.1830.40.62.20 YUR/L | R AJ2Z L AP2G | CBN8 | 5,95 | 0,31 | 5,25 | 2,95 | 43,0 | R A06.R L A06.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 7,2 mm

|     |      |     |     |   |                         |               |      |      |      |      |      |      |                 |
|-----|------|-----|-----|---|-------------------------|---------------|------|------|------|------|------|------|-----------------|
| 7,0 | 25,4 | 7,2 | 0,2 | + | A07.1835.25.72.20 YUR/L | R ABD2 L AKEW | CBN8 | 6,95 | 0,36 | 6,25 | 3,45 | 28,0 | R A07.R L A07.L |
| 7,0 | 30,5 | 7,2 | 0,2 | + | A07.1835.30.72.20 YUR/L | R ACBJ L AJG9 | CBN8 | 6,95 | 0,36 | 6,25 | 3,45 | 33,0 | R A07.R L A07.L |
| 7,0 | 35,6 | 7,2 | 0,2 | + | A07.1835.35.72.20 YUR/L | R ADK7 L AK9F | CBN8 | 6,95 | 0,36 | 6,25 | 3,45 | 38,0 | R A07.R L A07.L |
| 7,0 | 40,6 | 7,2 | 0,2 | + | A07.1835.40.72.20 YUR/L | R AK5S L AF7V | CBN8 | 6,95 | 0,36 | 6,25 | 3,45 | 43,0 | R A07.R L A07.L |
| 7,0 | 50,8 | 7,2 | 0,2 | + | A07.1835.50.72.20 YUR/L | R ADDS L AD9D | CBN8 | 6,95 | 0,36 | 6,25 | 3,45 | 53,0 | R A07.R L A07.L |

Bestellbeispiel // Order example: A05.1825.10.52.20 YUR CBN8 (R = Rechte Ausführung // Right hand version, CBN8 = Schneidstoff // Grade)

## Ausdrehen

Mit stirnseitigem Freiwinkel von 20°. Geeignet ab Bohrungsdurchmesser 1,0 mm.

## Boring

With 20° front side clearance angle. For use in bores as of minimum bore diameter 1,0 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
**0,02 mm/U**

Vc  
**(Seite/Page 442)**

Passende Klemmhalter auf Seite // Suitable toolholders on page

**40, 45, 46, 47, 48, 54, 55, 57, 64, 65, 68, 69, 70, 73, 75, 76, 78, 79, 80, 81**



Legende  
Legend **155**

Scan  
QR-Code

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**www.simtek.info/cp/752**

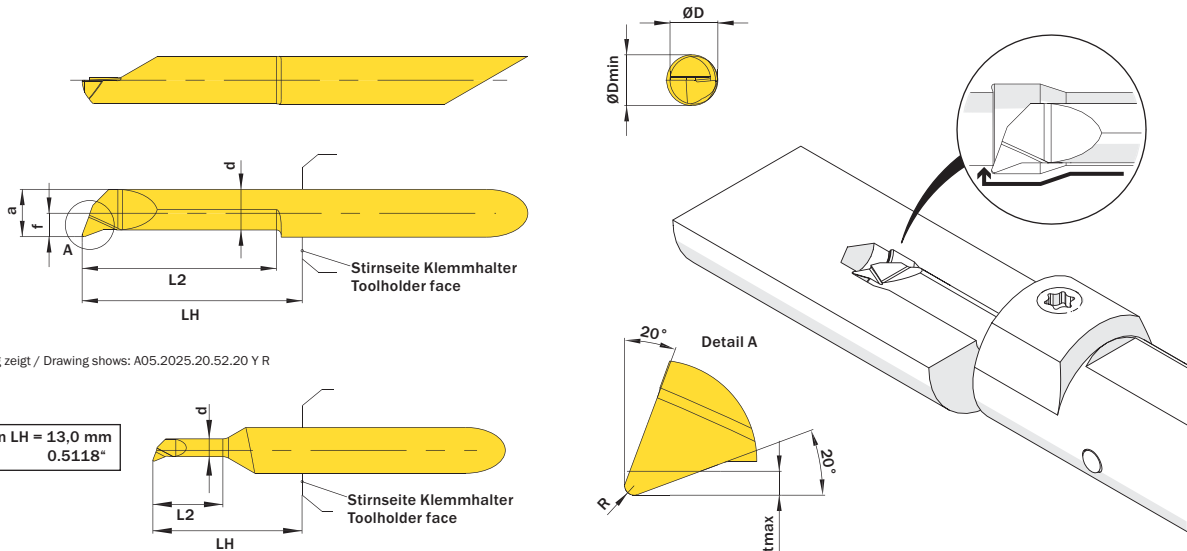


Abbildung zeigt / Drawing shows: A05.2025.20.52.20 Y R

Version LH = 13,0 mm  
0.5118"

Abbildung zeigt / Drawing shows: A04.2010.06.22.10 Y R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R    | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades                                                                                                                                                                                       | a    | d    | f    | LH   | tmax | Connectcode<br>www.simtek.com/code |
|------------------------------------------------------|------|-------------------------------------------|------|--------------------------------------------|------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------------------------------------|
| mm                                                   | mm   | mm                                        | mm   |                                            |                              |                                   | Tagessaktuelle Verfügbarkeit und Preise finden Sie auf <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a><br>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | mm   | mm   | mm   | mm   | mm   |                                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,0 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                                                                                                                                                 |      |      |      |      |      |                                    |
| 4,0                                                  | 4,1  | 1,0                                       | 0,1  | +                                          | A04.2C04.04.10.10 YR/L       | R AW9Z L AXAU                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 0,95 | 0,65 | 1,95 | 13,0 | 0,1  | R A04C.R L A04C.L                  |
| 4,0                                                  | 6,1  | 1,0                                       | 0,1  | +                                          | A04.2C04.06.10.10 YR/L       | R AW9Ø L AXAV                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 0,95 | 0,65 | 1,95 | 13,0 | 0,1  | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 1,7 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                                                                                                                                                 |      |      |      |      |      |                                    |
| 4,0                                                  | 6,1  | 1,7                                       | 0,1  | +                                          | A04.2C07.06.17.10 YR/L       | R AW91 L AXAW                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 1,45 | 1,05 | 1,95 | 13,0 | 0,2  | R A04C.R L A04C.L                  |
| 4,0                                                  | 9,1  | 1,7                                       | 0,1  | +                                          | A04.2C07.09.17.10 YR/L       | R AW92 L AXAX                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 1,45 | 1,05 | 1,95 | 13,0 | 0,2  | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,2 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                                                                                                                                                 |      |      |      |      |      |                                    |
| 4,0                                                  | 6,1  | 2,2                                       | 0,1  | -                                          | A04.2010.06.22.10 YR/L       | R AMGH L ABMV                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 1,95 | 1,55 | 0,95 | 13,0 | 0,2  | R A04.R L A04.L                    |
| 4,0                                                  | 6,1  | 2,2                                       | 0,1  | +                                          | A04.2C10.06.22.10 YR/L       | R AXBJ L AXBT                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 1,95 | 1,55 | 1,95 | 13,0 | 0,2  | R A04C.R L A04C.L                  |
| 4,0                                                  | 9,1  | 2,2                                       | 0,1  | -                                          | A04.2010.09.22.10 YR/L       | R AFG4 L AMST                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 1,95 | 1,55 | 0,95 | 13,0 | 0,2  | R A04.R L A04.L                    |
| 4,0                                                  | 9,1  | 2,2                                       | 0,1  | +                                          | A04.2C10.09.22.10 YR/L       | R AXBK L AXBU                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 1,95 | 1,55 | 1,95 | 13,0 | 0,2  | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,7 mm |      |                                           |      |                                            |                              |                                   |                                                                                                                                                                                                                                                 |      |      |      |      |      |                                    |
| 4,0                                                  | 10,2 | 2,7                                       | 0,15 | -                                          | A04.2012.10.27.15 YR/L       | R ADW7 L AM7W                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 2,45 | 2,05 | 1,2  | 13,0 | 0,2  | R A04.R L A04.L                    |
| 4,0                                                  | 10,2 | 2,7                                       | 0,15 | +                                          | A04.2C12.10.27.15 YR/L       | R AXBM L AXBV                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 2,45 | 2,05 | 1,95 | 13,0 | 0,2  | R A04C.R L A04C.L                  |
| 4,0                                                  | 15,2 | 2,7                                       | 0,15 | -                                          | A04.2012.15.27.15 YR/L       | R AKSJ L AFC8                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 2,45 | 2,05 | 1,2  | 18,0 | 0,2  | R A04.R L A04.L                    |
| 4,0                                                  | 15,2 | 2,7                                       | 0,15 | +                                          | A04.2C12.15.27.15 YR/L       | R AXBN L AXBW                     | X800 X400 GX79 X500 X400                                                                                                                                                                                                                        | 2,45 | 2,05 | 1,95 | 18,0 | 0,2  | R A04C.R L A04C.L                  |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A04.2C12.10.27.15 YR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Ausdrehen

Mit stirnseitigem Freiwinkel von 20°. Geeignet  
ab Bohrungsdurchmesser 3,2 mm.

## Boring

With 20° front side clearance angle. For use in bores  
as of minimum bore diameter 3,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

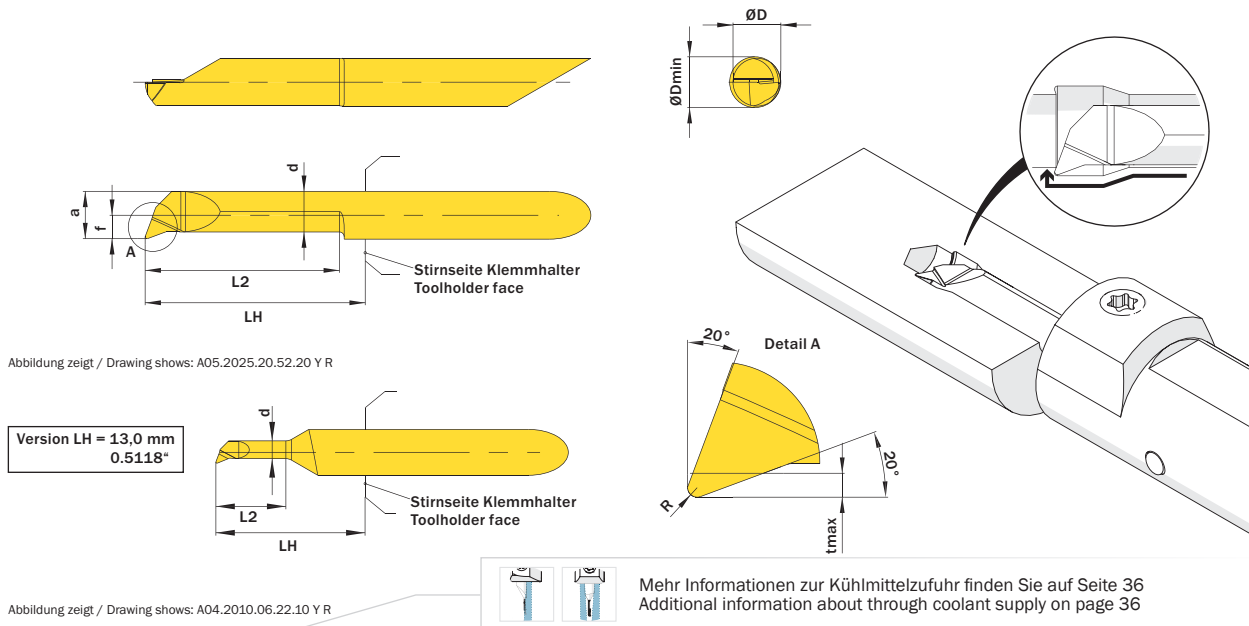
40, 41, 42, 43, 45, 46, 47, 48, 49,  
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64, 65, 66, 67, 68, 69, 70, 71, 73,  
74, 75, 76, 77, 78, 79, 80, 81SP  
HM  
RLegende  
Legend 155Scan  
QR-CodeOder besuchen Sie // Or Visit  
www.simtek.info/cp/1056

Abbildung zeigt / Drawing shows: A04.2010.06.22.10 Y R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R  | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades | a  | d  | f  | LH | tmax | Connectcode<br>www.simtek.com/code |
|----|----|-------------------------------------------|----|--------------------------------------------|------------------------------|-----------------------------------|-----------------------------------------------------------|----|----|----|----|------|------------------------------------|
| mm | mm | mm                                        | mm |                                            |                              |                                   | PKMNSHO                                                   | mm | mm | mm | mm | mm   |                                    |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,2 mm

|     |      |     |      |   |                        |   |      |   |      |      |      |      |      |      |      |      |      |      |     |   |         |   |         |
|-----|------|-----|------|---|------------------------|---|------|---|------|------|------|------|------|------|------|------|------|------|-----|---|---------|---|---------|
| 4,0 | 10,2 | 3,2 | 0,15 | - | A04.2015.10.32.15 YR/L | R | AGPV | L | ANEV | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,45 | 13,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 10,2 | 3,2 | 0,15 | + | A04.2C15.10.32.15 YR/L | R | AXBP | L | AXBX | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 13,0 | 0,2 | R | A04.C.R | L | A04.C.L |
| 4,0 | 15,2 | 3,2 | 0,15 | - | A04.2015.15.32.15 YR/L | R | ADP3 | L | ACQ5 | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,45 | 18,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 15,2 | 3,2 | 0,15 | + | A04.2C15.15.32.15 YR/L | R | AXBQ | L | AXBY | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 18,0 | 0,2 | R | A04.C.R | L | A04.C.L |
| 4,0 | 20,3 | 3,2 | 0,15 | - | A04.2015.20.32.15 YR/L | R | ADQT | L | AMTZ | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,45 | 23,0 | 0,2 | R | A04.R   | L | A04.L   |
| 4,0 | 20,3 | 3,2 | 0,15 | + | A04.2C15.20.32.15 YR/L | R | AXB5 | L | AXBZ | X800 | X400 | GX79 | X500 | X400 | 2,95 | 2,55 | 1,95 | 23,0 | 0,2 | R | A04.C.R | L | A04.C.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm

|     |      |     |      |   |                        |   |      |   |      |      |      |      |      |      |      |      |      |      |     |   |         |   |         |
|-----|------|-----|------|---|------------------------|---|------|---|------|------|------|------|------|------|------|------|------|------|-----|---|---------|---|---------|
| 4,0 | 10,2 | 4,2 | 0,15 | + | A04.2020.10.42.15 YR/L | R | ANM5 | L | APP6 | X800 | X400 | GX79 | X500 | X400 | 3,95 | 3,45 | 1,95 | 13,0 | 0,3 | R | A04.C.R | L | A04.C.L |
| 4,0 | 15,2 | 4,2 | 0,15 | + | A04.2020.15.42.15 YR/L | R | AGMX | L | AM49 | X800 | X400 | GX79 | X500 | X400 | 3,95 | 3,45 | 1,95 | 18,0 | 0,3 | R | A04.C.R | L | A04.C.L |
| 4,0 | 20,3 | 4,2 | 0,15 | + | A04.2020.20.42.15 YR/L | R | ABF1 | L | AM26 | X800 | X400 | GX79 | X500 | X400 | 3,95 | 3,45 | 1,95 | 23,0 | 0,3 | R | A04.C.R | L | A04.C.L |
| 4,0 | 25,4 | 4,2 | 0,15 | + | A04.2020.25.42.15 YR/L | R | AB94 | L | APN2 | X800 | X400 | GX79 | X500 | X400 | 3,95 | 3,45 | 1,95 | 28,0 | 0,3 | R | A04.C.R | L | A04.C.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm

|     |      |     |     |   |                        |   |      |   |      |      |      |      |      |      |      |     |      |      |     |   |       |   |       |
|-----|------|-----|-----|---|------------------------|---|------|---|------|------|------|------|------|------|------|-----|------|------|-----|---|-------|---|-------|
| 5,0 | 10,2 | 5,2 | 0,2 | + | A05.2025.10.52.20 YR/L | R | APTQ | L | AK53 | X800 | X400 | GX79 | X500 | X400 | 4,95 | 4,2 | 2,45 | 13,0 | 0,5 | R | A05.R | L | A05.L |
| 5,0 | 15,2 | 5,2 | 0,2 | + | A05.2025.15.52.20 YR/L | R | ANUH | L | AF44 | X800 | X400 | GX79 | X500 | X400 | 4,95 | 4,2 | 2,45 | 18,0 | 0,5 | R | A05.R | L | A05.L |
| 5,0 | 20,3 | 5,2 | 0,2 | + | A05.2025.20.52.20 YR/L | R | AGM9 | L | AEE5 | X800 | X400 | GX79 | X500 | X400 | 4,95 | 4,2 | 2,45 | 23,0 | 0,5 | R | A05.R | L | A05.L |
| 5,0 | 25,4 | 5,2 | 0,2 | + | A05.2025.25.52.20 YR/L | R | A2BD | L | A2BJ | X800 | X400 | GX79 | X500 | X400 | 4,95 | 4,2 | 2,45 | 28,0 | 0,5 | R | A05.R | L | A05.L |
| 5,0 | 30,5 | 5,2 | 0,2 | + | A05.2025.30.52.20 YR/L | R | AB78 | L | AGJJ | X800 | X400 | GX79 | X500 | X400 | 4,95 | 4,2 | 2,45 | 33,0 | 0,5 | R | A05.R | L | A05.L |

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm

|     |      |     |     |   |                        |   |      |   |      |      |      |      |      |      |      |      |      |      |     |   |       |   |       |
|-----|------|-----|-----|---|------------------------|---|------|---|------|------|------|------|------|------|------|------|------|------|-----|---|-------|---|-------|
| 6,0 | 40,6 | 6,2 | 0,2 | + | A06.2030.40.62.20 YR/L | R | AW93 | L | AXAY | X800 | X400 | GX79 | X500 | X400 | 5,95 | 5,25 | 2,95 | 43,0 | 0,5 | R | A06.R | L | A06.L |
|-----|------|-----|-----|---|------------------------|---|------|---|------|------|------|------|------|------|------|------|------|------|-----|---|-------|---|-------|

▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 7,2 mm

|     |      |     |     |   |                        |   |      |   |      |      |      |      |      |      |      |      |      |      |     |   |       |   |       |
|-----|------|-----|-----|---|------------------------|---|------|---|------|------|------|------|------|------|------|------|------|------|-----|---|-------|---|-------|
| 7,0 | 50,8 | 7,2 | 0,2 | + | A07.2035.50.72.20 YR/L | R | AW94 | L | AXAZ | X800 | X400 | GX79 | X500 | X400 | 6,95 | 6,25 | 3,45 | 53,0 | 0,5 | R | A07.R | L | A07.L |
|-----|------|-----|-----|---|------------------------|---|------|---|------|------|------|------|------|------|------|------|------|------|-----|---|-------|---|-------|

Bestellbeispiel // Order example: A04.2020.10.42.15 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Kopieren / Profildrehen mit 32°

Geeignet ab Bohrungsdurchmesser 2,2 mm.

## Copying / Profiling with 32°

For use in bores as of minimum bore diameter 2,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 41, 42, 45, 46, 47, 48, 49, 50,  
54, 55, 56, 57, 58, 59, 64, 65, 68,  
69, 70, 71, 73, 74, 75, 76, 77, 78,  
79, 80, 81



Legende  
Legend 155

Scan QR-Code Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/1335](http://www.simtek.info/cp/1335)

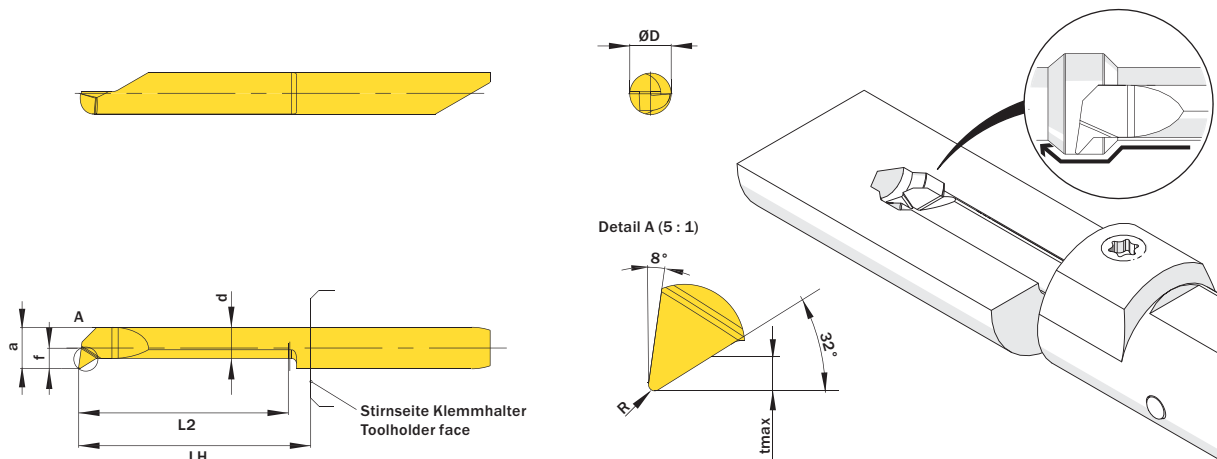


Abbildung zeigt / Drawing shows: A05.3225.25.52.15 Y R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | f    | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R    | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode<br><br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode |              |      |      |      |   |   | a    | d    | LH   | tmax | Connectcode<br>www.simtek.com/code |
|------------------------------------------------------|------|------|-------------------------------------------|------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|------|------|---|---|------|------|------|------|------------------------------------|
| mm                                                   | mm   | mm   | mm                                        | mm   |                                            |                              |                                   | P                                                                                                                                                                                                                                      | K            | M    | N    | S    | H | O | mm   | mm   | mm   | mm   |                                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,2 mm |      |      |                                           |      |                                            |                              |                                   |                                                                                                                                                                                                                                        |              |      |      |      |   |   |      |      |      |      |                                    |
| 4,0                                                  | 0,95 | 10,2 | 2,2                                       | 0,1  | +                                          | A04.3210.10.22.10 YR         | A50N                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 1,95 | 1,35 | 13,0 | 0,4  | A04.R   A04C.R                     |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,7 mm |      |      |                                           |      |                                            |                              |                                   |                                                                                                                                                                                                                                        |              |      |      |      |   |   |      |      |      |      |                                    |
| 4,0                                                  | 1,2  | 15,2 | 2,7                                       | 0,1  | +                                          | A04.3212.15.27.10 YR         | A50Q                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 2,45 | 1,75 | 18,0 | 0,5  | A04.R   A04C.R                     |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,2 mm |      |      |                                           |      |                                            |                              |                                   |                                                                                                                                                                                                                                        |              |      |      |      |   |   |      |      |      |      |                                    |
| 4,0                                                  | 1,45 | 15,2 | 3,2                                       | 0,1  | +                                          | A04.3215.15.32.10 YR         | A50T                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 2,95 | 2,15 | 18,0 | 0,6  | A04.R   A04C.R                     |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |      |      |                                           |      |                                            |                              |                                   |                                                                                                                                                                                                                                        |              |      |      |      |   |   |      |      |      |      |                                    |
| 4,0                                                  | 1,95 | 10,2 | 4,2                                       | 0,15 | +                                          | A04.3220.10.42.15 YR         | A50V                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 3,95 | 2,95 | 13,0 | 0,8  | A04C.R                             |
| 4,0                                                  | 1,95 | 20,3 | 4,2                                       | 0,15 | +                                          | A04.3220.20.42.15 YR         | A50X                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 3,95 | 2,95 | 23,0 | 0,8  | A04C.R                             |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |      |      |                                           |      |                                            |                              |                                   |                                                                                                                                                                                                                                        |              |      |      |      |   |   |      |      |      |      |                                    |
| 5,0                                                  | 2,45 | 15,2 | 5,2                                       | 0,15 | +                                          | A05.3225.15.52.15 YR         | A50Z                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 4,95 | 3,75 | 18,0 | 1,0  | A05.R                              |
| 5,0                                                  | 2,45 | 25,4 | 5,2                                       | 0,15 | +                                          | A05.3225.25.52.15 YR         | A501                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 4,95 | 3,75 | 28,0 | 1,0  | A05.R                              |
| 5,0                                                  | 2,45 | 35,6 | 5,2                                       | 0,15 | +                                          | A05.3225.35.52.15 YR         | A509                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 4,95 | 3,75 | 38,0 | 1,0  | A05.R                              |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |      |      |                                           |      |                                            |                              |                                   |                                                                                                                                                                                                                                        |              |      |      |      |   |   |      |      |      |      |                                    |
| 6,0                                                  | 2,95 | 20,3 | 6,2                                       | 0,15 | +                                          | A06.3230.20.62.15 YR         | A503                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 23,0 | 1,8  | A06.R                              |
| 6,0                                                  | 2,95 | 30,5 | 6,2                                       | 0,15 | +                                          | A06.3230.30.62.15 YR         | A505                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 33,0 | 1,8  | A06.R                              |
| 6,0                                                  | 2,95 | 40,6 | 6,2                                       | 0,15 | +                                          | A06.3230.40.62.15 YR         | A507                              | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 43,0 | 1,8  | A06.R                              |

Bestellbeispiel // Order example: A06.3230.30.62.15 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Kopieren / Profildrehen mit 47°

Geeignet ab Bohrungsdurchmesser 2,2 mm.

## Copying / Profiling with 47°

For use in bores as of minimum bore diameter 2,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

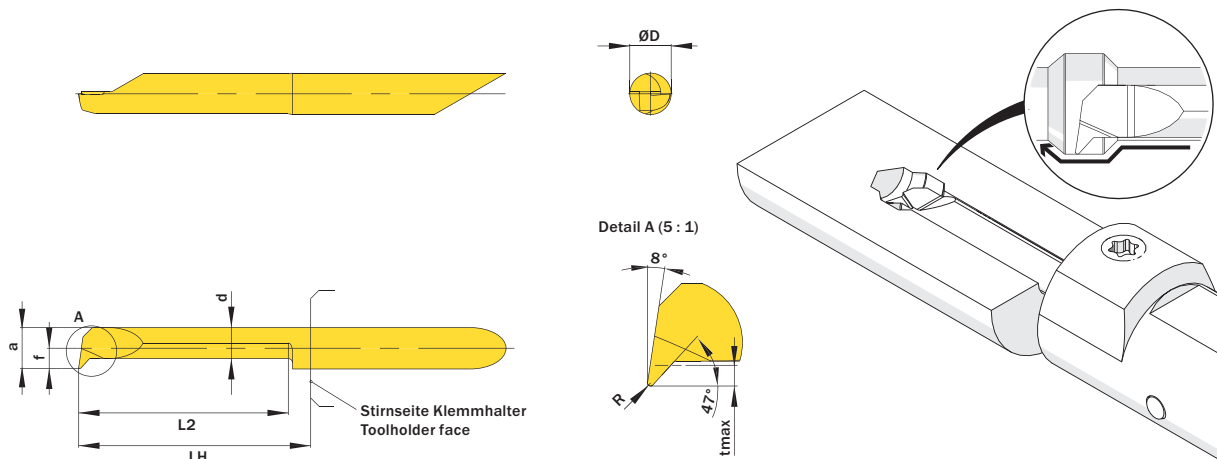
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50, 51, 54, 55, 56, 57, 58, 59, 60,  
64, 65, 66, 67, 68, 69, 70, 71, 73,  
74, 75, 76, 77, 78, 79, 80, 81Legende  
Legend 155Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/753](http://www.simtek.info/cp/753)

Abbildung zeigt / Drawing shows: A05.4725.25.52.15 Y R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD  | f    | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R    | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | a    | d    | LH   | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|------|------|-------------------------------------------|------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|-----------------------------------------------------------------------------|
| mm  | mm   | mm   | mm                                        | mm   |                                            |                              |                                                                               | P K M N S H O                                                                                                                                                                            | mm   | mm   | mm   | mm   |                                                                             |
| 4,0 | 0,95 | 10,2 | 2,2                                       | 0,1  | +                                          | A04.4710.10.22.10 YR/L       | R AEJJ L ACYG                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 1,95 | 1,35 | 13,0 | 0,4  | R A04.R   A04C.R<br>L A04.L   A04C.L                                        |
| 4,0 | 1,95 | 10,2 | 3,0                                       | 0,05 | +                                          | A04.4710.10.30.05 YR         | BD4Y                                                                          | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 2,75 | 2,0  | 13,0 | 0,6  | R A04.R   A04C.R<br>L A04.L   A04C.L                                        |
| 4,0 | 1,2  | 15,2 | 2,7                                       | 0,1  | +                                          | A04.4712.15.27.10 YR/L       | R ANT X L AE5S                                                                | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 2,45 | 1,75 | 18,0 | 0,5  | R A04.R   A04C.R<br>L A04.L   A04C.L                                        |
| 4,0 | 1,45 | 15,2 | 3,2                                       | 0,1  | +                                          | A04.4715.15.32.10 YR/L       | R ADSB L AHTB                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 2,95 | 2,15 | 18,0 | 0,6  | R A04.R   A04C.R<br>L A04.L   A04C.L                                        |
| 4,0 | 1,95 | 20,3 | 4,2                                       | 0,15 | +                                          | A04.4720.20.42.15 YR/L       | R AMFJ L AAEU                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 3,95 | 2,95 | 23,0 | 0,8  | R A04C.R L A04C.L                                                           |
| 5,0 | 2,45 | 15,2 | 5,2                                       | 0,15 | +                                          | A05.4725.15.52.15 YR/L       | R AYD3 L AYD4                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 4,95 | 3,75 | 18,0 | 1,0  | R A05.R L A05.L                                                             |
| 5,0 | 2,45 | 25,4 | 5,2                                       | 0,15 | +                                          | A05.4725.25.52.15 YR/L       | R AEMF L ANUD                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 4,95 | 3,75 | 28,0 | 1,0  | R A05.R L A05.L                                                             |
| 6,0 | 2,95 | 20,3 | 6,2                                       | 0,15 | +                                          | A06.4730.20.62.15 YR/L       | R AACY L AKJK                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 5,95 | 3,95 | 23,0 | 1,8  | R A06.R L A06.L                                                             |
| 6,0 | 2,95 | 30,5 | 6,2                                       | 0,15 | +                                          | A06.4730.30.62.15 YR/L       | R AJ6F L AE5W                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 5,95 | 3,95 | 33,0 | 1,8  | R A06.R L A06.L                                                             |
| 7,0 | 3,45 | 40,6 | 7,2                                       | 0,2  | +                                          | A07.4735.40.72.20 YR/L       | R AQ9E L AQ9F                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,95 | 4,15 | 43,0 | 2,5  | R A07.R L A07.L                                                             |

Bestellbeispiel // Order example: A06.4730.30.62.15 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Bohrungen drehen

Geeignet ab Bohrungsdurchmesser 3,2 mm.

## Boring

For use in bores as of minimum bore diameter 3,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
**0,02 mm/U**

Vc  
**(Seite/Page 442)**

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 41, 45, 46, 47, 48, 49, 54, 55,  
57, 58, 64, 65, 68, 69, 70, 73, 74,  
75, 76, 78, 79, 80, 81



Legende  
Legend **155**



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QR-Code

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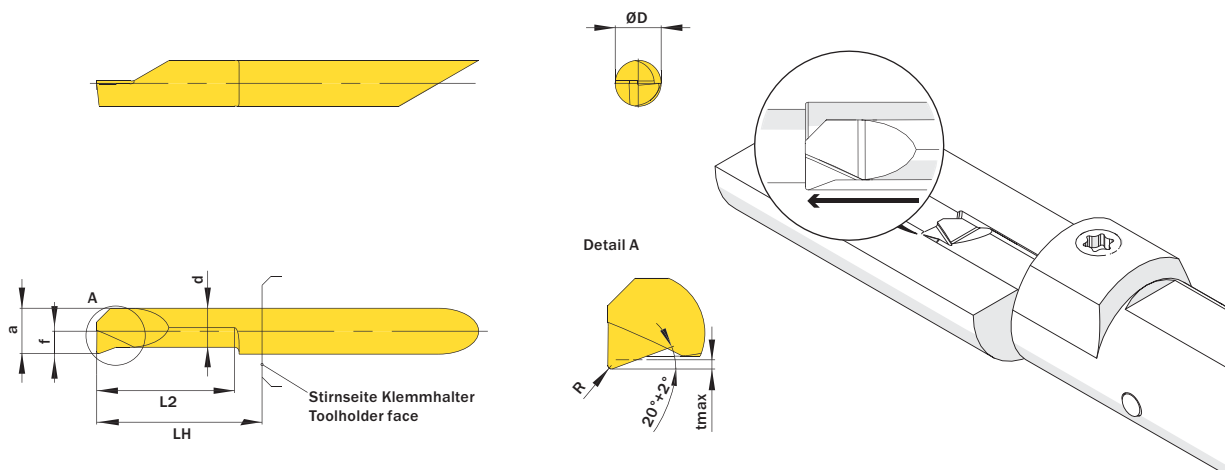
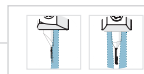


Abbildung zeigt / Drawing shows: A05.9025.15.52.20 Y R



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R    | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | a    | d    | f    | LH   | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|------------------------------------------------------|------|-------------------------------------------|------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|-----------------------------------------------------------------------------|
| mm                                                   | mm   | mm                                        | mm   |                                            |                              |                                                                               |                                                                                                                                                                                          | mm   | mm   | mm   | mm   | mm   |                                                                             |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,2 mm |      |                                           |      |                                            |                              |                                                                               |                                                                                                                                                                                          |      |      |      |      |      |                                                                             |
| 4,0                                                  | 12,2 | 3,2                                       | 0,15 | +                                          | A04.9015.12.32.15 YR/L       | R APB9 L ADVC                                                                 | X800 X400 GX79 X500 X400                                                                                                                                                                 | 2,95 | 2,55 | 1,45 | 15,0 | 0,2  | R A04.R L A04.L                                                             |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |      |                                           |      |                                            |                              |                                                                               |                                                                                                                                                                                          |      |      |      |      |      |                                                                             |
| 4,0                                                  | 15,2 | 4,2                                       | 0,15 | +                                          | A04.9020.15.42.15 YR/L       | R APXB L ANKP                                                                 | X800 X400 GX79 X500 X400                                                                                                                                                                 | 3,95 | 3,45 | 1,95 | 18,0 | 0,3  | R A04C.R L A04C.L                                                           |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |      |                                           |      |                                            |                              |                                                                               |                                                                                                                                                                                          |      |      |      |      |      |                                                                             |
| 5,0                                                  | 10,2 | 5,2                                       | 0,2  | +                                          | A05.9025.10.52.20 YR/L       | R AJ84 L AHEC                                                                 | X800 X400 GX79 X500 X400                                                                                                                                                                 | 4,95 | 4,2  | 2,45 | 13,0 | 0,5  | R A05.R L A05.L                                                             |
| 5,0                                                  | 15,2 | 5,2                                       | 0,2  | +                                          | A05.9025.15.52.20 YR/L       | R AHSM L AKCD                                                                 | X800 X400 GX79 X500 X400                                                                                                                                                                 | 4,95 | 4,2  | 2,45 | 18,0 | 0,5  | R A05.R L A05.L                                                             |
| 5,0                                                  | 20,3 | 5,2                                       | 0,2  | +                                          | A05.9025.20.52.20 YR/L       | R AM84 L AJSE                                                                 | X800 X400 GX79 X500 X400                                                                                                                                                                 | 4,95 | 4,2  | 2,45 | 23,0 | 0,5  | R A05.R L A05.L                                                             |

Bestellbeispiel // Order example: **A04.9015.12.32.15 YR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Ausdrehen und Fasen

Geeignet ab Bohrungsdurchmesser 5,2 mm.

## Boring and Chamfering

For use in bores as of minimum bore diameter 5,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

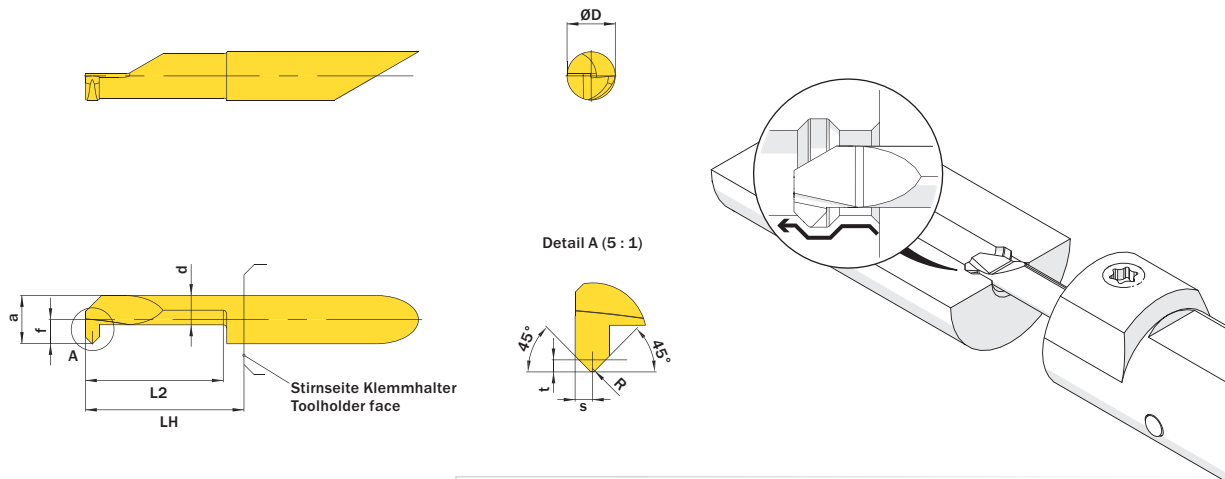
41, 42, 43, 45, 47, 49, 50, 51, 55,  
56, 58, 59, 60, 64, 65, 66, 67, 68,  
69, 70, 71, 74, 75, 76, 77, 78, 79,  
80, 81Legende  
Legend 155Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/756](http://www.simtek.info/cp/756)

Abbildung zeigt / Drawing shows: A07.4545.20.72 F R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode<br><br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode |      |      |      |      |      |      |      |      |      | a    | d   | f   | LH  | R       | S       | t | Connectcode<br>www.simtek.com/code |
|------------------------------------------------------|------|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|---------|---------|---|------------------------------------|
| mm                                                   | mm   | mm                                        |                                            |                              |                                   | P                                                                                                                                                                                                                                      | K    | M    | N    | S    | H    | O    | mm   | mm   | mm   | mm   | mm  | mm  | mm  |         |         |   |                                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |      |      |      |      |      |      |      |      |      |      |     |     |     |         |         |   |                                    |
| 5,0                                                  | 15,4 | 5,2                                       | +                                          | A05.4545.15.52 FR/L          | R ANEE                            | L AB3U                                                                                                                                                                                                                                 | X800 | X400 | X600 | GX79 | X500 | X400 | 4,95 | 3,75 | 2,45 | 18,0 | 0,2 | 1,0 | 0,7 | R A05.R | L A05.L |   |                                    |
| 5,0                                                  | 20,3 | 5,2                                       | +                                          | A05.4545.20.52 FR/L          | R AAYP                            | L ANDH                                                                                                                                                                                                                                 | X800 | X400 | X600 | GX79 | X500 | X400 | 4,95 | 3,75 | 2,45 | 23,0 | 0,2 | 1,0 | 0,7 | R A05.R | L A05.L |   |                                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |      |      |      |      |      |      |      |      |      |      |     |     |     |         |         |   |                                    |
| 6,0                                                  | 20,3 | 6,2                                       | +                                          | A06.4545.20.62 FR/L          | R AG75                            | L ANKN                                                                                                                                                                                                                                 | X800 | X400 | X600 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 23,0 | 0,2 | 1,0 | 0,7 | R A06.R | L A06.L |   |                                    |
| 6,0                                                  | 25,4 | 6,2                                       | +                                          | A06.4545.25.62 FR/L          | R AJ5J                            | L ACW6                                                                                                                                                                                                                                 | X800 | X400 | X600 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 28,0 | 0,2 | 1,0 | 0,7 | R A06.R | L A06.L |   |                                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 7,2 mm |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |      |      |      |      |      |      |      |      |      |      |     |     |     |         |         |   |                                    |
| 7,0                                                  | 20,3 | 7,2                                       | +                                          | A07.4545.20.72 FR/L          | R AJC3                            | L AC4S                                                                                                                                                                                                                                 | X800 | X400 | X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 23,0 | 0,2 | 1,0 | 0,7 | R A07.R | L A07.L |   |                                    |
| 7,0                                                  | 40,6 | 7,2                                       | +                                          | A07.4545.40.72 FR/L          | R AHP6                            | L AHWC                                                                                                                                                                                                                                 | X800 | X400 | X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 43,0 | 0,2 | 1,0 | 0,7 | R A07.R | L A07.L |   |                                    |

Bestellbeispiel // Order example: A05.4545.15.52 FR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Fasen

Für das Anfasen mit 30°, 45° oder 60° sowie für die Herstellung planseitiger Konturen. Geeignet ab Bohrungsdurchmesser 1,0 mm.

## Chamfering

For chamfering with 30°, 45° or 60° as well as for the machining of face sided contours. For use in bores as of minimum bore diameter 1,0 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
**0,02 mm/U**

V<sub>c</sub>  
**(Seite/Page 442)**

Passende Klemmhalter auf Seite // Suitable toolholders on page

**42, 45, 50, 56, 59, 64, 65, 68, 69,  
71, 74, 75, 77, 78, 79, 80, 81**



SP  
HM

R

Legende  
Legend **155**

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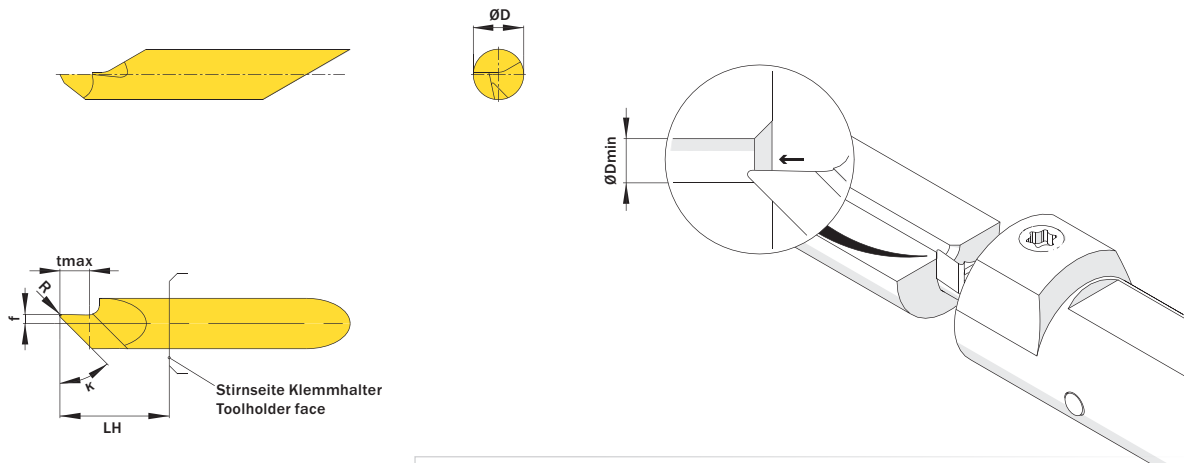
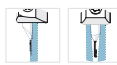


Abbildung zeigt / Drawing shows: A06.0045.11.20 AF R



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD        | κ   | f   | R   | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | LH   | tmax | Connectcode<br>www.simtek.com/code |
|-----------|-----|-----|-----|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|-------------------------------------------|------|------|------------------------------------|
| mm        |     | mm  | mm  |                                            |                              |                                   | P K M N S H O                                                | mm                                        | mm   | mm   |                                    |
| ▼ κ = 30° |     |     |     |                                            |                              |                                   |                                                              |                                           |      |      |                                    |
| 6,0       | 30° | 1,7 | 0,2 | +                                          | A06.0030.17.20 AF R/L        | R A5ST L A5SV                     | X800 X400 X600 GX79 X500 X400                                | 1,0                                       | 13,0 | 2,5  | R A06.R L A06.L                    |
| ▼ κ = 45° |     |     |     |                                            |                              |                                   |                                                              |                                           |      |      |                                    |
| 6,0       | 45° | 1,1 | 0,2 | +                                          | A06.0045.11.20 AF R/L        | R AJ6Q L ACUY                     | X800 X400 X600 GX79 X500 X400                                | 1,0                                       | 13,0 | 3,5  | R A06.R L A06.L                    |
| ▼ κ = 60° |     |     |     |                                            |                              |                                   |                                                              |                                           |      |      |                                    |
| 6,0       | 60° | 0,5 | 0,2 | +                                          | A06.0060.05.20 AF R/L        | R ABJY L ACF6                     | X800 X400 X600 GX79 X500 X400                                | 1,0                                       | 13,0 | 4,0  | R A06.R L A06.L                    |

Bestellbeispiel // Order example: **A06.0045.11.20 AF R X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Rückwärtsdrehen

Geeignet ab Bohrungsdurchmesser 3,2 mm.

## Back Boring

For use in bores as of minimum bore diameter 3,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

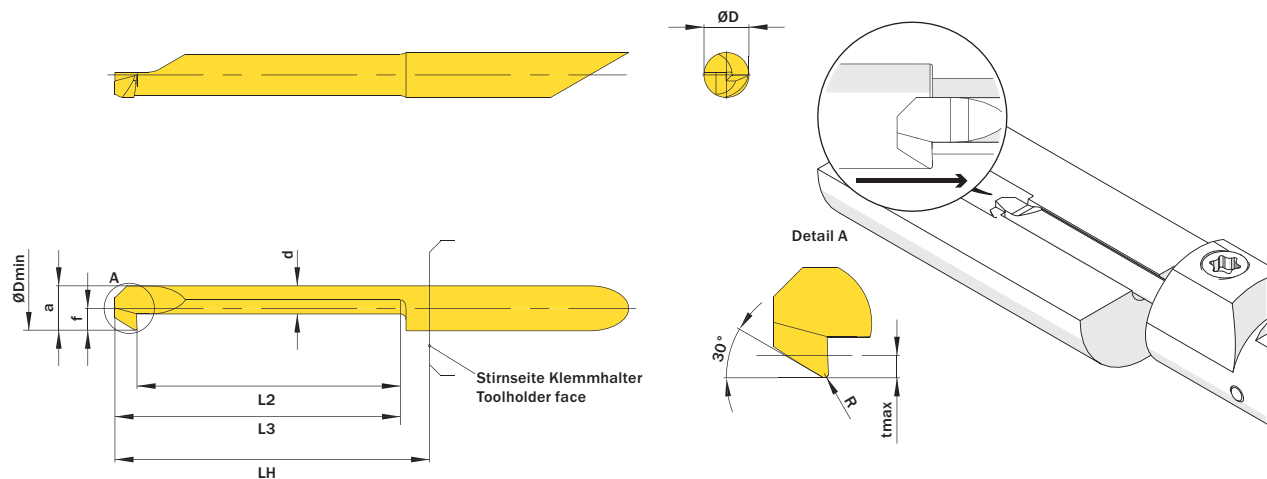
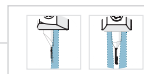
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64, 65, 66, 67, 68, 69, 70, 71, 73,  
74, 75, 76, 77, 78, 79, 80, 81SP  
HM  
RLegende  
Legend 155Scan  
QR-CodeOder besuchen Sie // Or Visit  
www.simtek.info/cp/776

Abbildung zeigt / Drawing shows: A04.3020.25.42.15 Y R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | R    | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a    | d    | f    | LH   | L3 (Max. Bohrungstiefe)<br>L3 (max. depth of bore) | tmax | Connectcode<br>www.simtek.com/code   |
|------------------------------------------------------|------|-------------------------------------------|------|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|------|------|------|------|----------------------------------------------------|------|--------------------------------------|
| mm                                                   | mm   | mm                                        | mm   |                                            |                              |                                   |                                                              | mm   | mm   | mm   | mm   | mm                                                 | mm   |                                      |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,2 mm |      |                                           |      |                                            |                              |                                   |                                                              |      |      |      |      |                                                    |      |                                      |
| 4,0                                                  | 13,2 | 3,2                                       | 0,1  | +                                          | A04.3015.15.32.10 YR/L       | R AASA L AH7W                     | X800 X400 GX79 X500 X400                                     | 2,95 | 2,3  | 1,45 | 18,0 | 15,2                                               | 0,5  | R A04.R   A04C.R<br>L A04.L   A04C.L |
| 4,0                                                  | 18,3 | 3,2                                       | 0,1  | +                                          | A04.3015.20.32.10 YR/L       | R AJHJ L AM80                     | X800 X400 GX79 X500 X400                                     | 2,95 | 2,3  | 1,45 | 23,0 | 20,3                                               | 0,5  | R A04.R   A04C.R<br>L A04.L   A04C.L |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |      |                                           |      |                                            |                              |                                   |                                                              |      |      |      |      |                                                    |      |                                      |
| 4,0                                                  | 13,2 | 4,2                                       | 0,15 | +                                          | A04.3020.15.42.15 YR/L       | R AC41 L AJBG                     | X800 X400 GX79 X500 X400                                     | 3,95 | 2,95 | 1,95 | 18,0 | 15,2                                               | 0,8  | R A04C.R L A04C.L                    |
| 4,0                                                  | 23,4 | 4,2                                       | 0,15 | +                                          | A04.3020.25.42.15 YR/L       | R AABT L AEHK                     | X800 X400 GX79 X500 X400                                     | 3,95 | 2,95 | 1,95 | 28,0 | 25,4                                               | 0,8  | R A04C.R L A04C.L                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |      |                                           |      |                                            |                              |                                   |                                                              |      |      |      |      |                                                    |      |                                      |
| 5,0                                                  | 18,3 | 5,2                                       | 0,2  | +                                          | A05.3025.20.52.20 YR/L       | R ACNQ L AJKY                     | X800 X400 GX79 X500 X400                                     | 4,95 | 3,7  | 2,45 | 23,0 | 20,3                                               | 1,0  | R A05.R L A05.L                      |
| 5,0                                                  | 28,5 | 5,2                                       | 0,2  | +                                          | A05.3025.30.52.20 YR/L       | R AMAF L AD06                     | X800 X400 GX79 X500 X400                                     | 4,95 | 3,7  | 2,45 | 33,0 | 30,5                                               | 1,0  | R A05.R L A05.L                      |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |      |                                           |      |                                            |                              |                                   |                                                              |      |      |      |      |                                                    |      |                                      |
| 6,0                                                  | 18,3 | 6,2                                       | 0,2  | +                                          | A06.3030.20.62.20 YR/L       | R AH02 L AJGE                     | X800 X400 GX79 X500 X400                                     | 5,95 | 3,85 | 2,95 | 23,0 | 20,3                                               | 1,8  | R A06.R L A06.L                      |
| 6,0                                                  | 28,5 | 6,2                                       | 0,2  | +                                          | A06.3030.30.62.20 YR/L       | R ABGK L AEXA                     | X800 X400 GX79 X500 X400                                     | 5,95 | 3,85 | 2,95 | 33,0 | 30,5                                               | 1,8  | R A06.R L A06.L                      |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 7,2 mm |      |                                           |      |                                            |                              |                                   |                                                              |      |      |      |      |                                                    |      |                                      |
| 7,0                                                  | 17,3 | 7,2                                       | 0,2  | +                                          | A07.3035.20.72.20 YR/L       | R AM7G L ABY0                     | X800 X400 GX79 X500 X400                                     | 6,95 | 4,1  | 3,45 | 23,0 | 20,3                                               | 2,5  | R A07.R L A07.L                      |
| 7,0                                                  | 27,5 | 7,2                                       | 0,2  | +                                          | A07.3035.30.72.20 YR/L       | R APVP L AA5G                     | X800 X400 GX79 X500 X400                                     | 6,95 | 4,1  | 3,45 | 33,0 | 30,5                                               | 2,5  | R A07.R L A07.L                      |

Bestellbeispiel // Order example: A06.3030.20.62.20 YR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Nutenstechen

Geeignet ab Bohrungsdurchmesser 2,0 mm.

## Grooving

For use in bores as of minimum bore diameter 2,0 mm.

Schnittwerte (Start) // Cutting parameters (start)

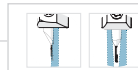
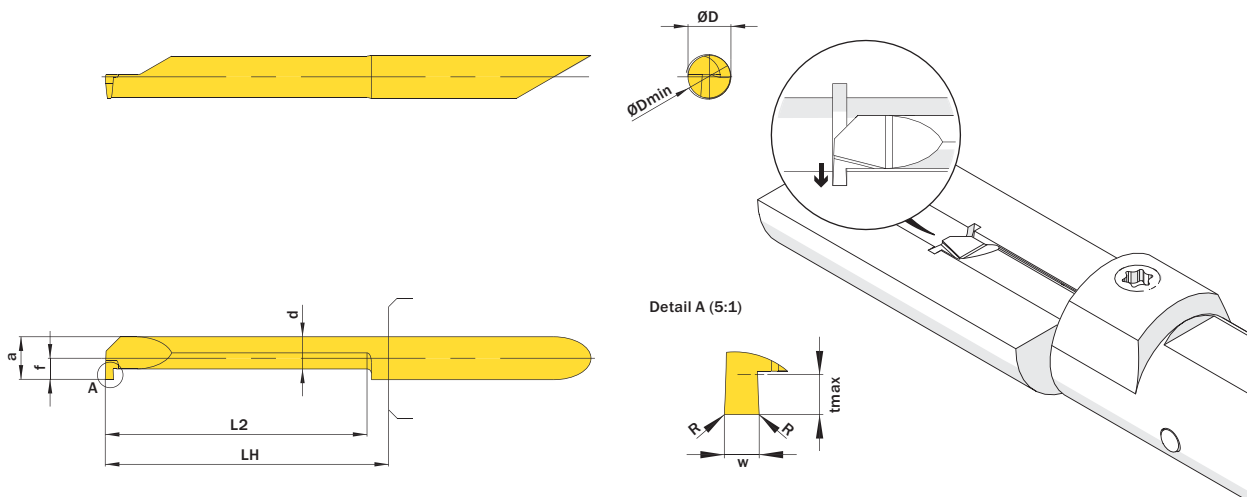
f 0,02 mm/U Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

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65, 68, 69, 70, 73, 75, 76, 78, 79,  
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Vergleichbare Werkzeuge auf Seite // Similar tools on page

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www.simtek.info/cp/777Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | w +0,03 | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a    | d    | f    | LH   | R  | tmax | Connectcode<br>www.simtek.com/code |
|------------------------------------------------------|---------|------|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|------|------|------|------|----|------|------------------------------------|
| mm                                                   | mm      | mm   | mm                                        |                                            |                              |                                   |                                                              | mm   | mm   | mm   | mm   | mm | mm   |                                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 2,0 mm |         |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |    |      |                                    |
| 4,0                                                  | 0,5     | 6,1  | 2,0                                       | ●                                          | A04.0050.06.20 GR/L          | R AFUW L AM47                     | X800 X400 GX79 X500 X400                                     | 1,75 | 1,15 | 0,85 | 13,0 | -  | 0,4  | R A04.R L A04.L                    |
| 4,0                                                  | 0,5     | 6,1  | 2,0                                       | +                                          | A04.C050.06.20 GR/L          | R ABQ4 L AN4H                     | X800 X400 GX79 X500 X400                                     | 1,75 | 1,15 | 1,95 | 13,0 | -  | 0,4  | R A04.C.R L A04.C.L                |
| 4,0                                                  | 0,5     | 9,1  | 2,0                                       | ●                                          | A04.0050.09.20 GR/L          | R ACJY L AMSE                     | X800 X400 GX79 X500 X400                                     | 1,75 | 1,15 | 0,85 | 13,0 | -  | 0,4  | R A04.R L A04.L                    |
| 4,0                                                  | 0,5     | 9,1  | 2,0                                       | +                                          | A04.C050.09.20 GR/L          | R AG6V L AGUA                     | X800 X400 GX79 X500 X400                                     | 1,75 | 1,15 | 1,95 | 13,0 | -  | 0,4  | R A04.C.R L A04.C.L                |
| 4,0                                                  | 0,5     | 12,2 | 2,0                                       | ●                                          | A04.0050.12.20 GR/L          | R AKDC L AF5Z                     | X800 X400 GX79 X500 X400                                     | 1,75 | 1,15 | 0,85 | 18,0 | -  | 0,4  | R A04.R L A04.L                    |
| 4,0                                                  | 0,5     | 12,2 | 2,0                                       | +                                          | A04.C050.12.20 GR/L          | R AJZ3 L ACVU                     | X800 X400 GX79 X500 X400                                     | 1,75 | 1,15 | 1,95 | 18,0 | -  | 0,4  | R A04.C.R L A04.C.L                |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,0 mm |         |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |    |      |                                    |
| 4,0                                                  | 0,7     | 8,1  | 3,0                                       | ●                                          | A04.0070.08.30 GR/L          | R APXM L AD4E                     | X800 X400 GX79 X500 X400                                     | 2,75 | 1,95 | 1,35 | 13,0 | -  | 0,6  | R A04.R L A04.L                    |
| 4,0                                                  | 0,7     | 8,1  | 3,0                                       | +                                          | A04.C070.08.30 GR/L          | R AM07 L AMXM                     | X800 X400 GX79 X500 X400                                     | 2,75 | 1,95 | 1,95 | 13,0 | -  | 0,6  | R A04.C.R L A04.C.L                |
| 4,0                                                  | 0,7     | 12,2 | 3,0                                       | ●                                          | A04.0070.12.30 GR/L          | R ACVH L ANXB                     | X800 X400 GX79 X500 X400                                     | 2,75 | 1,95 | 1,35 | 18,0 | -  | 0,6  | R A04.R L A04.L                    |
| 4,0                                                  | 0,7     | 12,2 | 3,0                                       | +                                          | A04.C070.12.30 GR/L          | R ACKP L ANQE                     | X800 X400 GX79 X500 X400                                     | 2,75 | 1,95 | 1,95 | 18,0 | -  | 0,6  | R A04.C.R L A04.C.L                |
| 4,0                                                  | 0,7     | 16,3 | 3,0                                       | ●                                          | A04.0070.16.30 GR/L          | R ADVD L AEHC                     | X800 X400 GX79 X500 X400                                     | 2,75 | 1,95 | 1,35 | 23,0 | -  | 0,6  | R A04.R L A04.L                    |
| 4,0                                                  | 0,7     | 16,3 | 3,0                                       | +                                          | A04.C070.16.30 GR/L          | R AB70 L ANVK                     | X800 X400 GX79 X500 X400                                     | 2,75 | 1,95 | 1,95 | 23,0 | -  | 0,6  | R A04.C.R L A04.C.L                |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |         |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |    |      |                                    |
| 4,0                                                  | 0,787   | 10,2 | 4,2                                       | +                                          | A04.0078.10.42 GR/L          | R AFQB L AHW7                     | X800 X400 GX79 X500 X400                                     | 3,95 | 2,95 | 1,95 | 13,0 | -  | 0,8  | R A04.C.R L A04.C.L inch           |
| 4,0                                                  | 0,787   | 15,2 | 4,2                                       | +                                          | A04.0078.15.42 GR/L          | R AJGY L AFP6                     | X800 X400 GX79 X500 X400                                     | 3,95 | 2,95 | 1,95 | 18,0 | -  | 0,8  | R A04.C.R L A04.C.L inch           |
| 4,0                                                  | 0,787   | 20,3 | 4,2                                       | +                                          | A04.0078.20.42 GR/L          | R AKJA L AD5G                     | X800 X400 GX79 X500 X400                                     | 3,95 | 2,95 | 1,95 | 23,0 | -  | 0,8  | R A04.C.R L A04.C.L inch           |
| 4,0                                                  | 0,787   | 25,4 | 4,2                                       | +                                          | A04.0078.25.42 GR/L          | R APCB L AMMY                     | X800 X400 GX79 X500 X400                                     | 3,95 | 2,95 | 1,95 | 28,0 | -  | 0,8  | R A04.C.R L A04.C.L inch           |
| 4,0                                                  | 1,0     | 10,2 | 4,2                                       | +                                          | A04.0100.10.42 GR/L          | R ANMY L AACT                     | X800 X400 GX79 X500 X400                                     | 3,95 | 2,95 | 1,95 | 13,0 | -  | 0,8  | R A04.C.R L A04.C.L                |
| 4,0                                                  | 1,0     | 15,2 | 4,2                                       | +                                          | A04.0100.15.42 GR/L          | R AAQT L AGWU                     | X800 X400 GX79 X500 X400                                     | 3,95 | 2,95 | 1,95 | 18,0 | -  | 0,8  | R A04.C.R L A04.C.L                |
| 4,0                                                  | 1,0     | 20,3 | 4,2                                       | +                                          | A04.0100.20.42 GR/L          | R ABMQ L AF0K                     | X800 X400 GX79 X500 X400                                     | 3,95 | 2,95 | 1,95 | 23,0 | -  | 0,8  | R A04.C.R L A04.C.L                |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A04.0100.15.42 GR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Nutenstechen

Geeignet ab Bohrungsdurchmesser 5,2 mm.

## Grooving

For use in bores as of minimum bore diameter 5,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

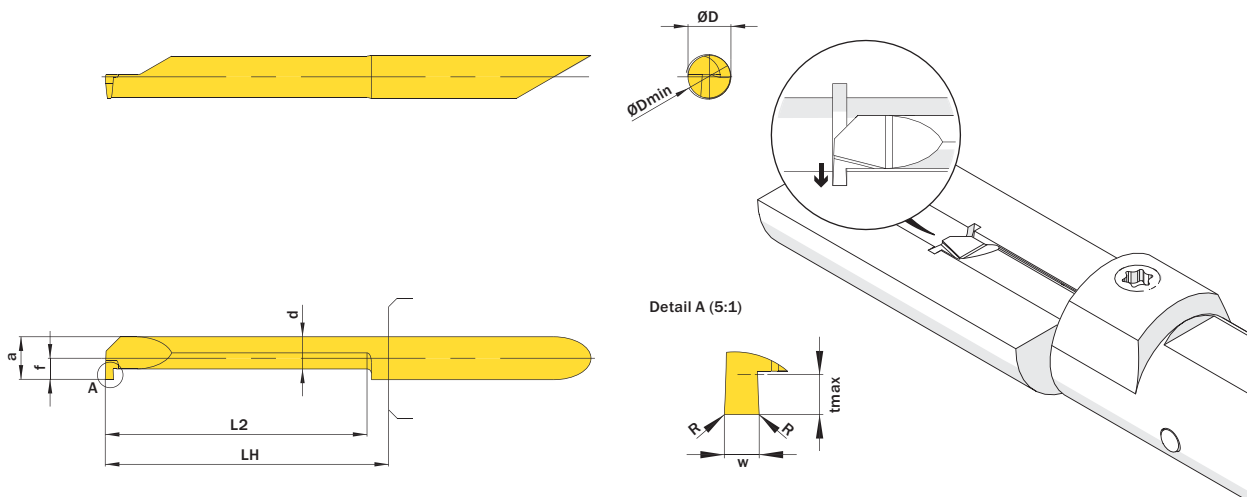
f  
0,02 mm/U Vc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

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Vergleichbare Werkzeuge auf Seite // Similar tools on page

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www.simtek.info/cp/794Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w<br>+0,03 | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a  | d  | f  | LH | R  | tmax | Connectcode<br>www.simtek.com/code |
|----|------------|----|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|----|----|----|----|----|------|------------------------------------|
| mm | mm         | mm | mm                                        |                                            |                              |                                   | <b>P K M N S H O</b>                                         | mm | mm | mm | mm | mm | mm   |                                    |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

▼ w = 0,787 mm

|     |       |      |     |   |                     |               |                          |      |      |      |      |   |     |                 |      |
|-----|-------|------|-----|---|---------------------|---------------|--------------------------|------|------|------|------|---|-----|-----------------|------|
| 5,0 | 0,787 | 10,2 | 5,2 | + | A05.0078.10.52 GR/L | R AD73 L ADME | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 13,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 0,787 | 15,2 | 5,2 | + | A05.0078.15.52 GR/L | R AKYB L ANF8 | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 18,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 0,787 | 20,3 | 5,2 | + | A05.0078.20.52 GR/L | R ANXZ L AE12 | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 23,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 0,787 | 25,4 | 5,2 | + | A05.0078.25.52 GR/L | R AHZ2 L AG9U | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 28,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 0,787 | 30,5 | 5,2 | + | A05.0078.30.52 GR/L | R ADYH L AFFQ | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 33,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 0,787 | 35,6 | 5,2 | + | A05.0078.35.52 GR/L | R AGMP L ACT2 | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 38,0 | - | 1,0 | R A05.R L A05.L | Inch |

▼ w = 1,0 mm

|     |     |      |     |   |                     |               |                          |      |      |      |      |   |     |                 |      |
|-----|-----|------|-----|---|---------------------|---------------|--------------------------|------|------|------|------|---|-----|-----------------|------|
| 5,0 | 1,0 | 10,2 | 5,2 | + | A05.0100.10.52 GR/L | R AEBC L AFST | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 13,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 1,0 | 15,2 | 5,2 | + | A05.0100.15.52 GR/L | R ADK5 L AA5P | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 18,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 1,0 | 20,3 | 5,2 | + | A05.0100.20.52 GR/L | R AAXA L AH69 | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 23,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 1,0 | 25,4 | 5,2 | + | A05.0100.25.52 GR/L | R AGA3 L ADBV | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 28,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 1,0 | 30,5 | 5,2 | + | A05.0100.30.52 GR/L | R AKAP L AHB5 | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 33,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 1,0 | 35,6 | 5,2 | + | A05.0100.35.52 GR/L | R ABCY L AMGE | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 38,0 | - | 1,0 | R A05.R L A05.L | Inch |

▼ w = 1,168 mm

|     |       |      |     |   |                     |               |                          |      |      |      |      |   |     |                 |      |
|-----|-------|------|-----|---|---------------------|---------------|--------------------------|------|------|------|------|---|-----|-----------------|------|
| 5,0 | 1,168 | 10,2 | 5,2 | + | A05.0117.10.52 GR/L | R AGK0 L AFMN | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 13,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 1,168 | 15,2 | 5,2 | + | A05.0117.15.52 GR/L | R AKC3 L APGJ | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 18,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 1,168 | 20,3 | 5,2 | + | A05.0117.20.52 GR/L | R AF9G L AGZA | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 23,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 1,168 | 25,4 | 5,2 | + | A05.0117.25.52 GR/L | R AKW7 L AAG8 | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 28,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 1,168 | 30,5 | 5,2 | + | A05.0117.30.52 GR/L | R AC54 L AHK1 | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 33,0 | - | 1,0 | R A05.R L A05.L | Inch |
| 5,0 | 1,168 | 35,6 | 5,2 | + | A05.0117.35.52 GR/L | R AJH3 L AD6E | X800 X400 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 38,0 | - | 1,0 | R A05.R L A05.L | Inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A05.0117.20.52 GR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Nutenstechen

Geeignet ab Bohrungsdurchmesser 5,2 mm.

## Grooving

For use in bores as of minimum bore diameter 5,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

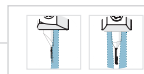
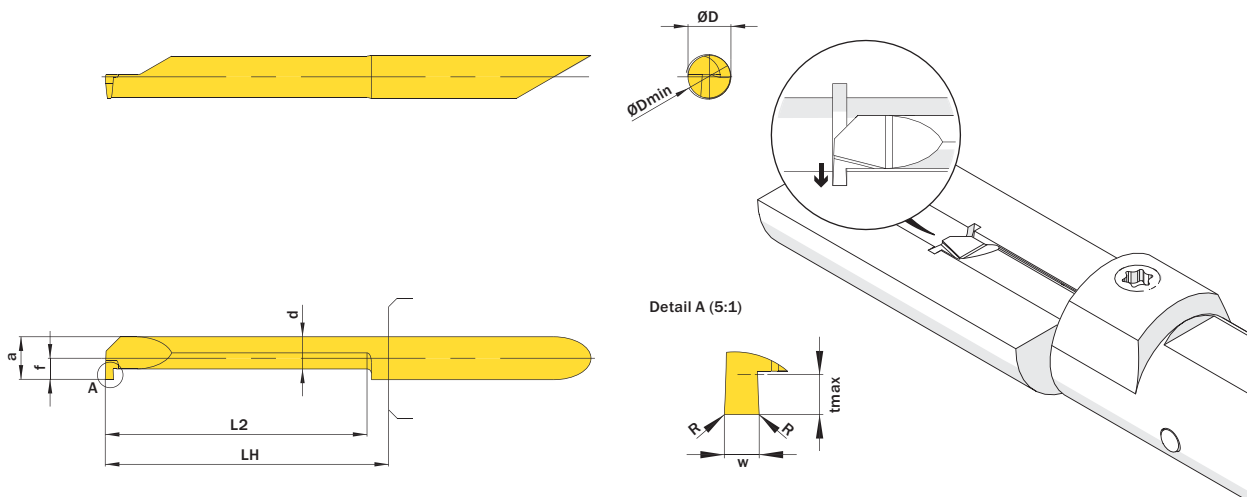
| f         | Vc               |
|-----------|------------------|
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

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Vergleichbare Werkzeuge auf Seite // Similar tools on page

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[www.simtek.info/cp/795](http://www.simtek.info/cp/795)Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w<br>+0,03 | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a  | d  | f  | LH | R  | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------------|----|-------------------------------------------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------|----|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm         | mm | mm                                        |                                            |                              |                                                                               | <b>P K M N S H O</b>                                         | mm | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ w = 1,5 mm

|     |     |      |     |   |                     |               |                               |      |      |      |      |   |     |                 |
|-----|-----|------|-----|---|---------------------|---------------|-------------------------------|------|------|------|------|---|-----|-----------------|
| 5,0 | 1,5 | 10,2 | 5,2 | + | A05.0150.10.52 GR/L | R AG38 L AF9C | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 13,0 | - | 1,0 | R A05.R L A05.L |
| 5,0 | 1,5 | 15,2 | 5,2 | + | A05.0150.15.52 GR/L | R ANY8 L AFUK | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 18,0 | - | 1,0 | R A05.R L A05.L |
| 5,0 | 1,5 | 20,3 | 5,2 | + | A05.0150.20.52 GR/L | R AH57 L AJ8D | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 23,0 | - | 1,0 | R A05.R L A05.L |
| 5,0 | 1,5 | 25,4 | 5,2 | + | A05.0150.25.52 GR/L | R AAKF L AFY2 | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 28,0 | - | 1,0 | R A05.R L A05.L |
| 5,0 | 1,5 | 30,5 | 5,2 | + | A05.0150.30.52 GR/L | R APVS L ADUG | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 33,0 | - | 1,0 | R A05.R L A05.L |
| 5,0 | 1,5 | 35,6 | 5,2 | + | A05.0150.35.52 GR/L | R AKFJ L AB89 | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 38,0 | - | 1,0 | R A05.R L A05.L |

▼ w = 1,575 mm

|     |       |      |     |   |                     |               |                               |      |      |      |      |   |     |                 |      |
|-----|-------|------|-----|---|---------------------|---------------|-------------------------------|------|------|------|------|---|-----|-----------------|------|
| 5,0 | 1,575 | 10,2 | 5,2 | + | A05.0157.10.52 GR/L | R APCY L APG8 | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 13,0 | - | 1,0 | R A05.R L A05.L | inch |
| 5,0 | 1,575 | 15,2 | 5,2 | + | A05.0157.15.52 GR/L | R AMD4 L AHMW | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 18,0 | - | 1,0 | R A05.R L A05.L | inch |
| 5,0 | 1,575 | 20,3 | 5,2 | + | A05.0157.20.52 GR/L | R AE6P L APUC | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 23,0 | - | 1,0 | R A05.R L A05.L | inch |
| 5,0 | 1,575 | 25,4 | 5,2 | + | A05.0157.25.52 GR/L | R AFY0 L AHMY | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 28,0 | - | 1,0 | R A05.R L A05.L | inch |
| 5,0 | 1,575 | 30,5 | 5,2 | + | A05.0157.30.52 GR/L | R AJ06 L AFPD | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 33,0 | - | 1,0 | R A05.R L A05.L | inch |

▼ w = 1,981 mm

|     |       |      |     |   |                      |               |                               |      |      |      |      |     |     |                 |      |
|-----|-------|------|-----|---|----------------------|---------------|-------------------------------|------|------|------|------|-----|-----|-----------------|------|
| 5,0 | 1,981 | 10,2 | 5,2 | + | A05.0198.10.52 GR/L  | R AJ4G L AGND | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 13,0 | -   | 1,0 | R A05.R L A05.L | inch |
| 5,0 | 1,981 | 15,2 | 5,2 | + | A05.0198.15.52 GR/L  | R ABHH L ANBC | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 18,0 | -   | 1,0 | R A05.R L A05.L | inch |
| 5,0 | 1,981 | 20,3 | 5,2 | + | A05.0198.20.52 GR/L  | R ACFG L AEM3 | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 23,0 | -   | 1,0 | R A05.R L A05.L | inch |
| 5,0 | 1,981 | 25,4 | 5,2 | + | A05.0198.25.52 GR/L  | R ABS3 L AJZV | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 28,0 | -   | 1,0 | R A05.R L A05.L | inch |
| 5,0 | 1,981 | 30,5 | 5,2 | + | A05.0198.30.52 GR/L  | R AJNV L ABNQ | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 33,0 | -   | 1,0 | R A05.R L A05.L | inch |
| 5,0 | 1,981 | 30,5 | 5,2 | + | A05.0198.30.52.10 GR | A6FB          | X800 X400 X600 GX79 X500 X400 | 4,95 | 3,75 | 2,45 | 33,0 | 0,1 | 1,0 | A05.R           | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A05.0157.20.52 GR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Nutenstechen

Geeignet ab Bohrungsdurchmesser 5,2 mm.

## Grooving

For use in bores as of minimum bore diameter 5,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

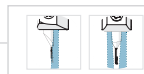
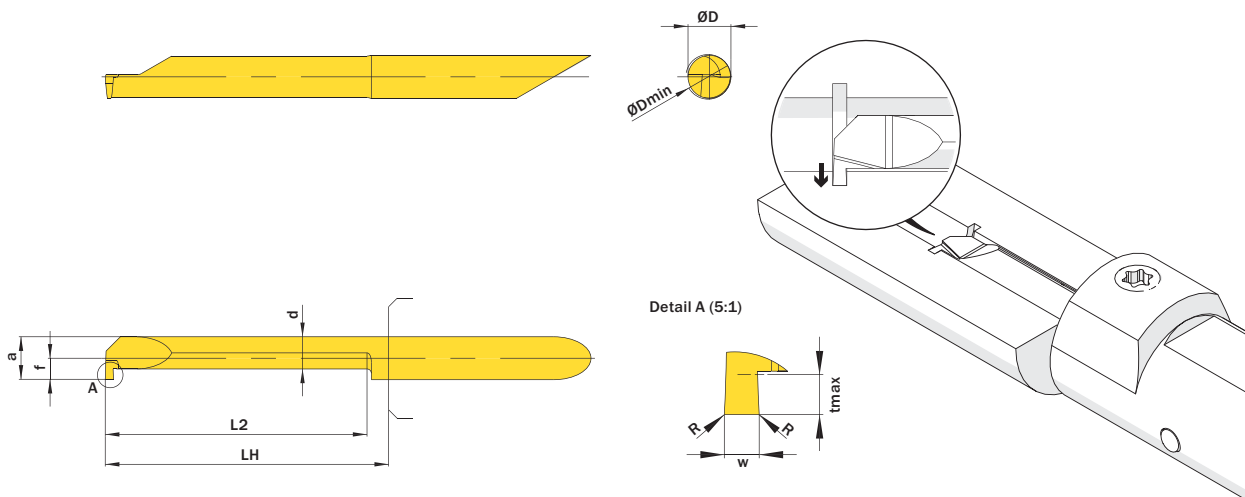
f  
0,02 mm/UVc  
(Seite/Page 442)

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Vergleichbare Werkzeuge auf Seite // Similar tools on page

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www.simtek.info/cp/796Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w  | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades   | a  | d  | f  | LH | R  | tmax | Connectcode<br>www.simtek.com/code |
|----|----|----|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------|----|----|----|----|----|------|------------------------------------|
| mm | mm | mm | mm                                        |                                            |                              |                                   | <b>P</b> <b>K</b> <b>M</b> <b>N</b> <b>S</b> <b>H</b> <b>O</b> | mm | mm | mm | mm | mm | mm   |                                    |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ ØD = 5,0 mm

|     |     |      |     |   |                     |        |      |      |      |      |      |      |      |      |      |      |   |     |   |       |   |       |
|-----|-----|------|-----|---|---------------------|--------|------|------|------|------|------|------|------|------|------|------|---|-----|---|-------|---|-------|
| 5,0 | 2,0 | 10,2 | 5,2 | + | A05.0200.10.52 GR/L | R AEKP | ABTY | X800 | X400 | GX79 | X500 | X400 | 4,95 | 3,75 | 2,45 | 13,0 | - | 1,0 | R | A05.R | L | A05.L |
| 5,0 | 2,0 | 15,2 | 5,2 | + | A05.0200.15.52 GR/L | R ACHW | AA3V | X800 | X400 | GX79 | X500 | X400 | 4,95 | 3,75 | 2,45 | 18,0 | - | 1,0 | R | A05.R | L | A05.L |
| 5,0 | 2,0 | 20,3 | 5,2 | + | A05.0200.20.52 GR/L | R AHTZ | AJX6 | X800 | X400 | GX79 | X500 | X400 | 4,95 | 3,75 | 2,45 | 23,0 | - | 1,0 | R | A05.R | L | A05.L |
| 5,0 | 2,0 | 25,4 | 5,2 | + | A05.0200.25.52 GR/L | R AMKP | AMNF | X800 | X400 | GX79 | X500 | X400 | 4,95 | 3,75 | 2,45 | 28,0 | - | 1,0 | R | A05.R | L | A05.L |
| 5,0 | 2,0 | 30,5 | 5,2 | + | A05.0200.30.52 GR/L | R AF7J | AHFX | X800 | X400 | GX79 | X500 | X400 | 4,95 | 3,75 | 2,45 | 33,0 | - | 1,0 | R | A05.R | L | A05.L |

▼ ØD = 6,0 mm

|     |       |      |     |   |                     |        |      |      |      |      |      |      |      |      |      |      |   |     |   |       |   |       |
|-----|-------|------|-----|---|---------------------|--------|------|------|------|------|------|------|------|------|------|------|---|-----|---|-------|---|-------|
| 6,0 | 0,787 | 10,2 | 6,2 | + | A06.0078.10.62 GR/L | R AC9Z | AMAW | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 13,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 0,787 | 15,2 | 6,2 | + | A06.0078.15.62 GR/L | R AN1C | AGWT | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 18,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 0,787 | 20,3 | 6,2 | + | A06.0078.20.62 GR/L | R AFQZ | AFX4 | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 23,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 0,787 | 25,4 | 6,2 | + | A06.0078.25.62 GR/L | R AGD0 | AJZ5 | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 28,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 0,787 | 30,5 | 6,2 | + | A06.0078.30.62 GR/L | R ACZD | AMXV | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 33,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 0,787 | 35,6 | 6,2 | + | A06.0078.35.62 GR/L | R ADAE | AKZG | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 38,0 | - | 1,8 | R | A06.R | L | A06.L |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A05.0200.20.52 GR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

simtek individual

A05. w, 1/100 mm, 3 Stellen/Digits . L2, 1/1 mm, 2 Stellen/Digits .52. R, 1/100 mm, 3 Stellen/Digits Toleranz // Tolerance R/L  
Beispielartikelnummer // Example Part number: A05.137.15.52.015 XN R oder/oder A05.137.15.52.015 XN L

simtek individual

A05. w, 1/100 mm, 3 Stellen/Digits . L2, 1/1 mm, 2 Stellen/Digits .52. R, 1/100 mm, 3 Stellen/Digits Toleranz // Tolerance R/L  
Beispielartikelnummer // Example Part number: A05.137.15.52.015 XN R oder/oder A05.137.15.52.015 XN LA06. w, 1/100 mm, 3 Stellen/Digits . L2, 1/1 mm, 2 Stellen/Digits .62. R, 1/100 mm, 3 Stellen/Digits Toleranz // Tolerance R/L  
Beispielartikelnummer // Example Part number: A06.137.15.62.015 XN R oder/oder A06.137.15.62.015 XN L

## Nutenstechen

Geeignet ab Bohrungsdurchmesser 6,2 mm.

## Grooving

For use in bores as of minimum bore diameter 6,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

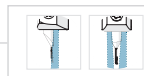
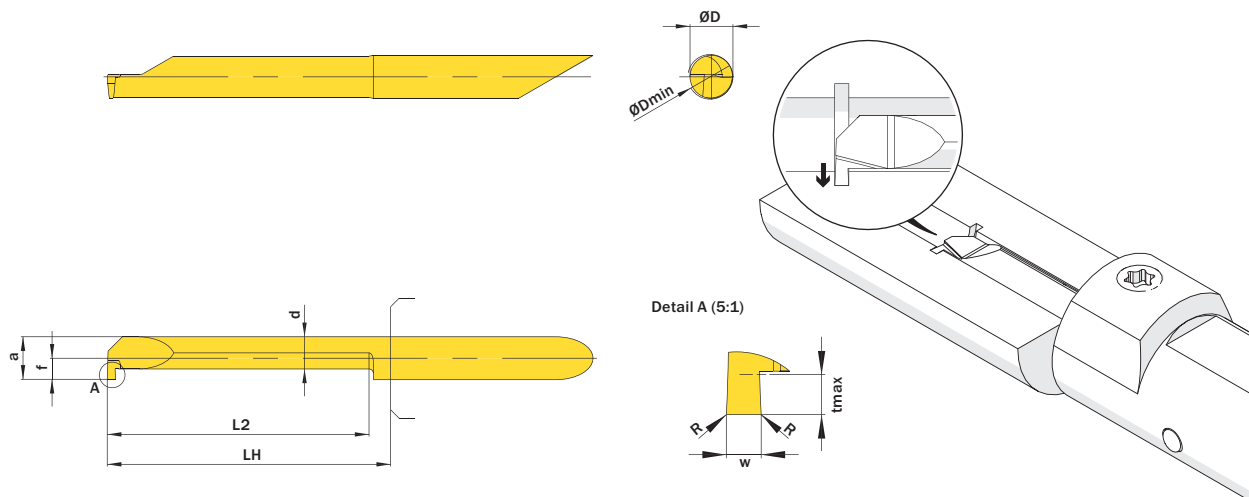
f  
0,02 mm/U Vc  
(Seite/Page 442)

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Vergleichbare Werkzeuge auf Seite // Similar tools on page

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www.simtek.info/cp/797Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w<br>+0,03 | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a  | d  | f  | LH | R  | tmax | Connectcode<br>www.simtek.com/code |
|----|------------|----|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|----|----|----|----|----|------|------------------------------------|
| mm | mm         | mm | mm                                        |                                            |                              |                                   | <b>P K M N S H O</b>                                         | mm | mm | mm | mm | mm | mm   |                                    |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

▼ w = 1,0 mm

|     |     |      |     |   |                     |               |                               |      |      |      |      |   |     |   |       |   |       |
|-----|-----|------|-----|---|---------------------|---------------|-------------------------------|------|------|------|------|---|-----|---|-------|---|-------|
| 6,0 | 1,0 | 10,2 | 6,2 | + | A06.0100.10.62 GR/L | R APGK L ADY2 | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 13,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,0 | 15,2 | 6,2 | + | A06.0100.15.62 GR/L | R ACW8 L AH38 | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 18,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,0 | 20,3 | 6,2 | + | A06.0100.20.62 GR/L | R AJE6 L ADE3 | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 23,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,0 | 25,4 | 6,2 | + | A06.0100.25.62 GR/L | R AJXT L AKE0 | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 28,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,0 | 30,5 | 6,2 | + | A06.0100.30.62 GR/L | R AH78 L AK9S | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 33,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,0 | 35,6 | 6,2 | + | A06.0100.35.62 GR/L | R AJ2E L AF63 | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 38,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,0 | 40,6 | 6,2 | + | A06.0100.40.62 GR/L | R AKTD L AN3W | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 43,0 | - | 1,8 | R | A06.R | L | A06.L |

▼ w = 1,168 mm

|     |       |      |     |   |                      |               |                               |      |      |      |      |     |     |   |       |   |       |      |
|-----|-------|------|-----|---|----------------------|---------------|-------------------------------|------|------|------|------|-----|-----|---|-------|---|-------|------|
| 6,0 | 1,168 | 10,2 | 6,2 | + | A06.0117.10.62 GR/L  | R AG4P L AFAB | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 13,0 | -   | 1,8 | R | A06.R | L | A06.L | inch |
| 6,0 | 1,168 | 10,2 | 6,2 | + | A06.0117.10.62.10 GR | A5KT          | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 13,0 | 0,1 | 1,8 |   | A06.R |   |       | inch |
| 6,0 | 1,168 | 15,2 | 6,2 | + | A06.0117.15.62 GR/L  | R ADAP L AA2N | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 18,0 | -   | 1,8 | R | A06.R | L | A06.L | inch |
| 6,0 | 1,168 | 20,3 | 6,2 | + | A06.0117.20.62 GR/L  | R ADH8 L ACUT | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 23,0 | -   | 1,8 | R | A06.R | L | A06.L | inch |
| 6,0 | 1,168 | 25,4 | 6,2 | + | A06.0117.25.62 GR/L  | R AC61 L APFG | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 28,0 | -   | 1,8 | R | A06.R | L | A06.L | inch |
| 6,0 | 1,168 | 30,5 | 6,2 | + | A06.0117.30.62 GR/L  | R AFN5 L AHPK | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 33,0 | -   | 1,8 | R | A06.R | L | A06.L | inch |
| 6,0 | 1,168 | 35,6 | 6,2 | + | A06.0117.35.62 GR/L  | R APS7 L ANN2 | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 38,0 | -   | 1,8 | R | A06.R | L | A06.L | inch |
| 6,0 | 1,168 | 40,6 | 6,2 | + | A06.0117.40.62 GR/L  | R AA06 L APY3 | X800 X400 X600 GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 43,0 | -   | 1,8 | R | A06.R | L | A06.L | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A06.0100.10.62 GR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Nutenstechen

Geeignet ab Bohrungsdurchmesser 6,2 mm.

## Grooving

For use in bores as of minimum bore diameter 6,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

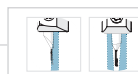
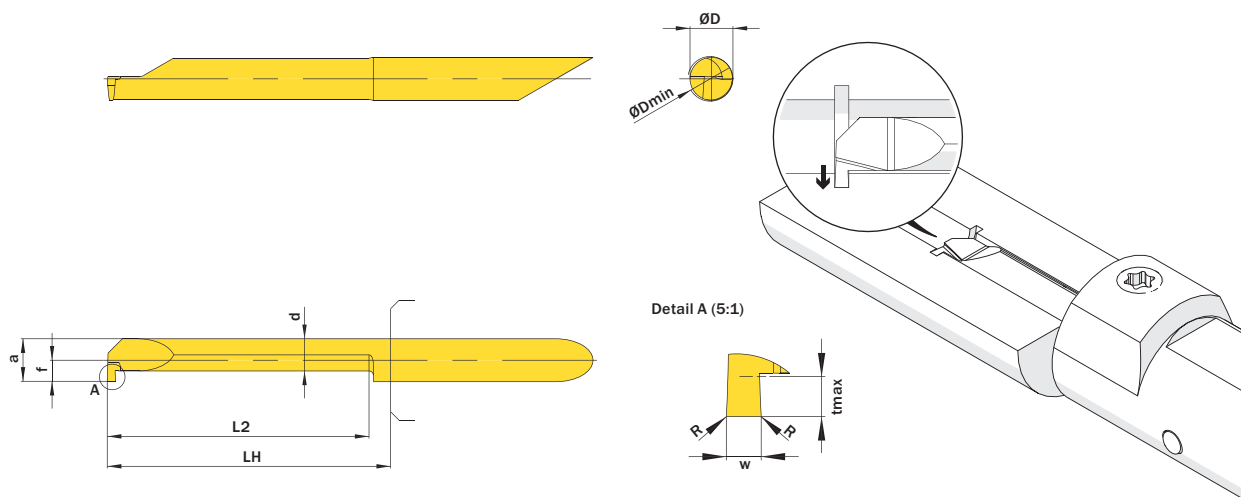
f  
0,02 mm/U Vc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

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71, 74, 75, 77, 78, 79, 80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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QR-Code Oder besuchen Sie // Or Visit  
www.simtek.info/cp/798Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w<br>+0,03 | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                                   | a  | d  | f  | LH | R  | tmax | Connectcode<br>www.simtek.com/code |
|----|------------|----|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------|----|----|----|----|----|------|------------------------------------|
| mm | mm         | mm | mm                                        |                                            |                              |                                   | <b>P K M N S H O</b><br>You can find current availability and prices on www.simtek.com/webcode | mm | mm | mm | mm | mm | mm   |                                    |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

▼ w = 1,5 mm

|     |     |      |     |   |                     |   |      |      |      |      |      |      |      |      |      |      |      |   |     |   |       |   |       |
|-----|-----|------|-----|---|---------------------|---|------|------|------|------|------|------|------|------|------|------|------|---|-----|---|-------|---|-------|
| 6,0 | 1,5 | 10,2 | 6,2 | + | A06.0150.10.62 GR/L | R | ACH4 | ADTA | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 13,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,5 | 15,2 | 6,2 | + | A06.0150.15.62 GR/L | R | ADPJ | AKTA | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 18,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,5 | 20,3 | 6,2 | + | A06.0150.20.62 GR/L | R | AFH9 | AF35 | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 23,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,5 | 25,4 | 6,2 | + | A06.0150.25.62 GR/L | R | AFHV | AJ0P | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 28,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,5 | 30,5 | 6,2 | + | A06.0150.30.62 GR/L | R | ANT7 | AGB0 | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 33,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,5 | 35,6 | 6,2 | + | A06.0150.35.62 GR/L | R | ACUC | APT7 | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 38,0 | - | 1,8 | R | A06.R | L | A06.L |

▼ w = 1,575 mm

|     |       |      |     |   |                     |   |      |      |      |      |      |      |      |      |      |      |      |   |     |   |       |   |       |
|-----|-------|------|-----|---|---------------------|---|------|------|------|------|------|------|------|------|------|------|------|---|-----|---|-------|---|-------|
| 6,0 | 1,575 | 10,2 | 6,2 | + | A06.0157.10.62 GR/L | R | AES5 | AK6U | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 13,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,575 | 15,2 | 6,2 | + | A06.0157.15.62 GR/L | R | AJAB | AJYH | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 18,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,575 | 20,3 | 6,2 | + | A06.0157.20.62 GR/L | R | ADAB | AJBY | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 23,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,575 | 25,4 | 6,2 | + | A06.0157.25.62 GR/L | R | AJFE | AAAE | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 28,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,575 | 30,5 | 6,2 | + | A06.0157.30.62 GR/L | R | AK3J | AK1G | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 33,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,575 | 35,6 | 6,2 | + | A06.0157.35.62 GR/L | R | AMB2 | AHSN | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 38,0 | - | 1,8 | R | A06.R | L | A06.L |
| 6,0 | 1,575 | 40,6 | 6,2 | + | A06.0157.40.62 GR/L | R | AG12 | AH5K | X800 | X400 | GX79 | X500 | X400 | 5,95 | 3,95 | 2,95 | 43,0 | - | 1,8 | R | A06.R | L | A06.L |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A06.0150.15.62 GR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Nutenstechen

Geeignet ab Bohrungsdurchmesser 6,2 mm.

## Grooving

For use in bores as of minimum bore diameter 6,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

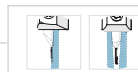
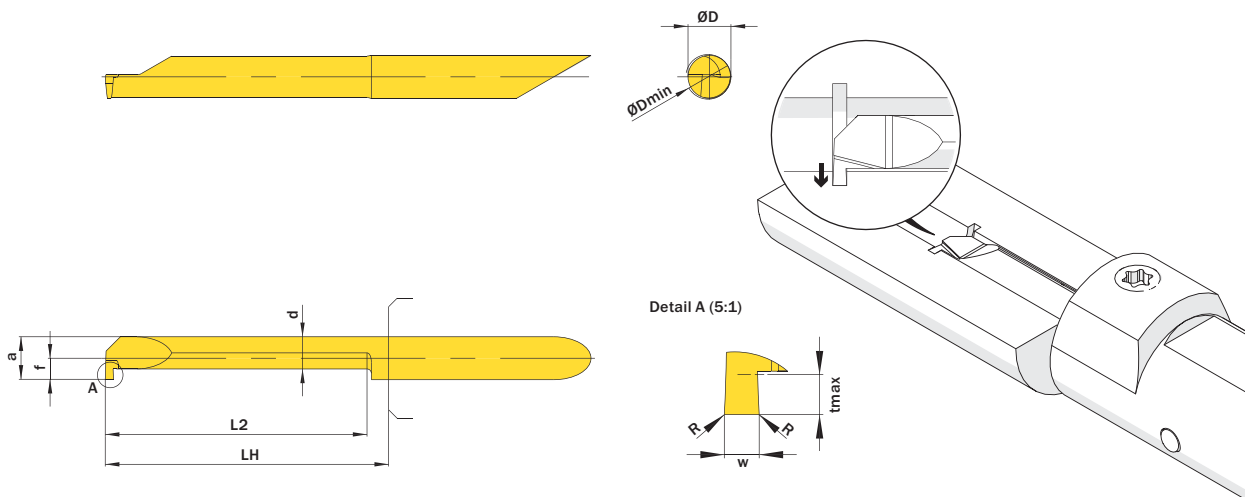
f  
0,02 mm/UVc  
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65, 66, 67, 68, 69, 71, 74, 75, 77,  
78, 79, 80, 81

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[www.simtek.info/cp/799](http://www.simtek.info/cp/799)Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w  | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades   | a  | d  | f  | LH | R  | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|----|----|-------------------------------------------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------|----|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm | mm | mm                                        |                                            |                              |                                                                               | <b>P</b> <b>K</b> <b>M</b> <b>N</b> <b>S</b> <b>H</b> <b>O</b> | mm | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

|               |       |      |     |   |                      |               |                |                |      |      |      |      |     |     |   |       |   |       |          |
|---------------|-------|------|-----|---|----------------------|---------------|----------------|----------------|------|------|------|------|-----|-----|---|-------|---|-------|----------|
| 6,0           | 1,981 | 10,2 | 6,2 | + | A06.0198.10.62 GR/L  | R AH4X L AJBE | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 13,0 | -   | 1,8 | R | A06.R | L | A06.L | inch     |
| 6,0           | 1,981 | 15,2 | 6,2 | + | A06.0198.15.62 GR/L  | R AE9F L ANK9 | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 18,0 | -   | 1,8 | R | A06.R | L | A06.L | inch     |
| 6,0           | 1,981 | 20,3 | 6,2 | + | A06.0198.20.62 GR/L  | R AXVN L AFQQ | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 23,0 | -   | 1,8 | R | A06.R | L | A06.L | inch     |
| 6,0           | 1,981 | 25,4 | 6,2 | + | A06.0198.25.62 GR/L  | R AJAX L AMQM | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 28,0 | -   | 1,8 | R | A06.R | L | A06.L | inch     |
| 6,0           | 1,981 | 30,5 | 6,2 | + | A06.0198.30.62 GR/L  | R AJCJ L APFQ | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 33,0 | -   | 1,8 | R | A06.R | L | A06.L | inch     |
| 6,0           | 1,981 | 30,5 | 6,2 | + | A06.0198.30.62.10 GR | A6E9          | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 33,0 | 0,1 | 1,8 |   | A06.R |   |       | inch now |
| 6,0           | 1,981 | 35,6 | 6,2 | + | A06.0198.35.62 GR/L  | R A08P L A08Q | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 38,0 | -   | 1,8 | R | A06.R | L | A06.L | inch     |
| 6,0           | 2,0   | 10,2 | 6,2 | + | A06.0200.10.62 GR/L  | R ABY8 L AK2Q | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 13,0 | -   | 1,8 | R | A06.R | L | A06.L |          |
| 6,0           | 2,0   | 15,2 | 6,2 | + | A06.0200.15.62 GR/L  | R AFYP L AEUP | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 18,0 | -   | 1,8 | R | A06.R | L | A06.L |          |
| 6,0           | 2,0   | 20,3 | 6,2 | + | A06.0200.20.62 GR/L  | R AB0S L AHN0 | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 23,0 | -   | 1,8 | R | A06.R | L | A06.L |          |
| 6,0           | 2,0   | 25,4 | 6,2 | + | A06.0200.25.62 GR/L  | R APT6 L AC9V | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 28,0 | -   | 1,8 | R | A06.R | L | A06.L |          |
| 6,0           | 2,0   | 30,5 | 6,2 | + | A06.0200.30.62 GR/L  | R AC74 L ANMU | X800 X400 X600 | GX79 X500 X400 | 5,95 | 3,95 | 2,95 | 33,0 | -   | 1,8 | R | A06.R | L | A06.L |          |
| ▼ ØD = 7,0 mm |       |      |     |   |                      |               |                |                |      |      |      |      |     |     |   |       |   |       |          |
| 7,0           | 0,787 | 10,2 | 7,2 | + | A07.0078.10.72 GR/L  | R ANFU L ACZM | X800 X400 X600 | GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 13,0 | -   | 2,5 | R | A07.R | L | A07.L | inch     |
| 7,0           | 0,787 | 15,2 | 7,2 | + | A07.0078.15.72 GR/L  | R AJB8 L AF8M | X800 X400 X600 | GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 18,0 | -   | 2,5 | R | A07.R | L | A07.L | inch     |
| 7,0           | 0,787 | 20,3 | 7,2 | + | A07.0078.20.72 GR/L  | R AG21 L ACUK | X800 X400 X600 | GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 23,0 | -   | 2,5 | R | A07.R | L | A07.L | inch     |
| 7,0           | 0,787 | 25,4 | 7,2 | + | A07.0078.25.72 GR/L  | R AJM7 L AM36 | X800 X400 X600 | GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 28,0 | -   | 2,5 | R | A07.R | L | A07.L | inch     |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A06.0200.15.62 GR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Nutenstechen

Geeignet ab Bohrungsdurchmesser 7,2 mm.

## Grooving

For use in bores as of minimum bore diameter 7,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
**0,02 mm/U**

Vc  
**(Seite/Page 442)**

Passende Klemmhalter auf Seite // Suitable toolholders on page

**43, 45, 51, 56, 60, 66, 67, 69, 71,  
74, 77, 78, 79, 80, 81**

Vergleichbare Werkzeuge auf Seite // Similar tools on page

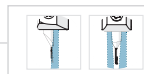
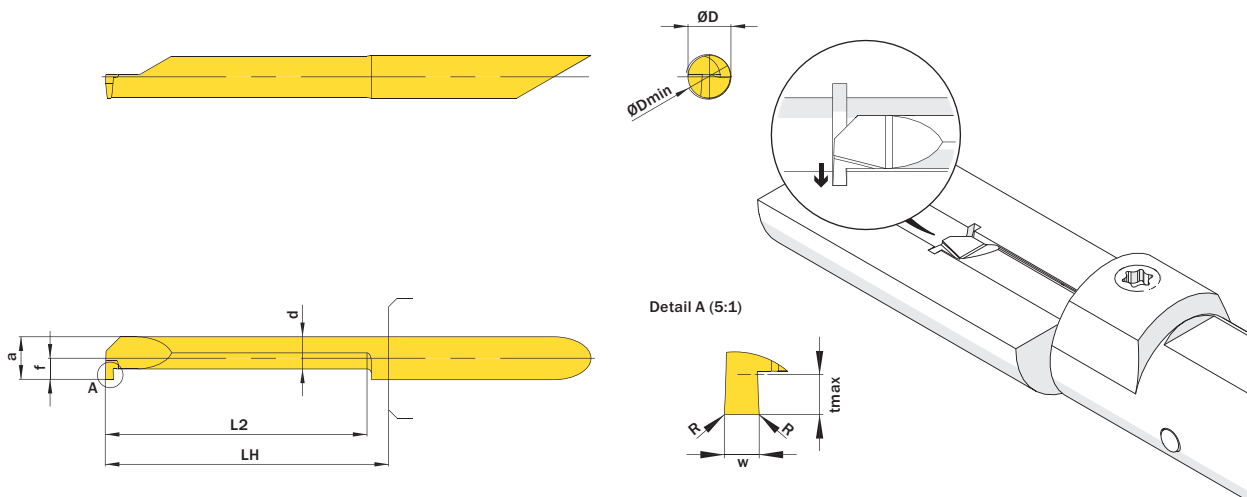
**121**



Legende  
Legend **155**



Oder besuchen Sie // Or Visit  
**www.simtek.info/cp/800**



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w<br>+0,03 | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a  | d  | f  | LH | R  | tmax | Connectcode<br>www.simtek.com/code |
|----|------------|----|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|----|----|----|----|----|------|------------------------------------|
| mm | mm         | mm | mm                                        |                                            |                              |                                   | <b>P K M N S H O</b>                                         | mm | mm | mm | mm | mm | mm   |                                    |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

|                |       |      |     |   |                     |        |        |      |              |      |      |      |      |      |      |      |   |     |   |       |   |       |      |
|----------------|-------|------|-----|---|---------------------|--------|--------|------|--------------|------|------|------|------|------|------|------|---|-----|---|-------|---|-------|------|
| 7,0            | 0,787 | 30,5 | 7,2 | + | A07.0078.30.72 GR/L | R ABTA | L APCD | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 33,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0            | 0,787 | 35,6 | 7,2 | + | A07.0078.35.72 GR/L | R ABGT | L APCH | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 38,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0            | 0,787 | 40,6 | 7,2 | + | A07.0078.40.72 GR/L | R ANWX | L AJ42 | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 43,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| ▼ w = 1,0 mm   |       |      |     |   |                     |        |        |      |              |      |      |      |      |      |      |      |   |     |   |       |   |       |      |
| 7,0            | 1,0   | 10,2 | 7,2 | + | A07.0100.10.72 GR/L | R AJW1 | L AJHP | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 13,0 | - | 2,5 | R | A07.R | L | A07.L |      |
| 7,0            | 1,0   | 15,2 | 7,2 | + | A07.0100.15.72 GR/L | R AKT1 | L AD20 | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 18,0 | - | 2,5 | R | A07.R | L | A07.L |      |
| 7,0            | 1,0   | 20,3 | 7,2 | + | A07.0100.20.72 GR/L | R AJ70 | L AB35 | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 23,0 | - | 2,5 | R | A07.R | L | A07.L |      |
| 7,0            | 1,0   | 25,4 | 7,2 | + | A07.0100.25.72 GR/L | R APYK | L AN70 | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 28,0 | - | 2,5 | R | A07.R | L | A07.L |      |
| 7,0            | 1,0   | 30,5 | 7,2 | + | A07.0100.30.72 GR/L | R AA78 | L ADG6 | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 33,0 | - | 2,5 | R | A07.R | L | A07.L |      |
| 7,0            | 1,0   | 35,6 | 7,2 | + | A07.0100.35.72 GR/L | R AKNF | L AFW5 | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 38,0 | - | 2,5 | R | A07.R | L | A07.L |      |
| 7,0            | 1,0   | 40,6 | 7,2 | + | A07.0100.40.72 GR/L | R ADSJ | L AHQJ | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 43,0 | - | 2,5 | R | A07.R | L | A07.L |      |
| ▼ w = 1,168 mm |       |      |     |   |                     |        |        |      |              |      |      |      |      |      |      |      |   |     |   |       |   |       |      |
| 7,0            | 1,168 | 10,2 | 7,2 | + | A07.0117.10.72 GR/L | R AA4H | L AJAH | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 13,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0            | 1,168 | 15,2 | 7,2 | + | A07.0117.15.72 GR/L | R ADV1 | L AHJH | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 18,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0            | 1,168 | 20,3 | 7,2 | + | A07.0117.20.72 GR/L | R AHVD | L AE3M | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 23,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0            | 1,168 | 25,4 | 7,2 | + | A07.0117.25.72 GR/L | R ANSE | L ANPE | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 28,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0            | 1,168 | 30,5 | 7,2 | + | A07.0117.30.72 GR/L | R AKKW | L AB8D | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 33,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0            | 1,168 | 35,6 | 7,2 | + | A07.0117.35.72 GR/L | R APF9 | L AMQA | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 38,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0            | 1,168 | 40,6 | 7,2 | + | A07.0117.40.72 GR/L | R AFTZ | L AEM7 | X800 | X400<br>X600 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 43,0 | - | 2,5 | R | A07.R | L | A07.L | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!

Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: **A07.0100.10.72 GR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Nutenstechen

Geeignet ab Bohrungsdurchmesser 7,2 mm.

## Grooving

For use in bores as of minimum bore diameter 7,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

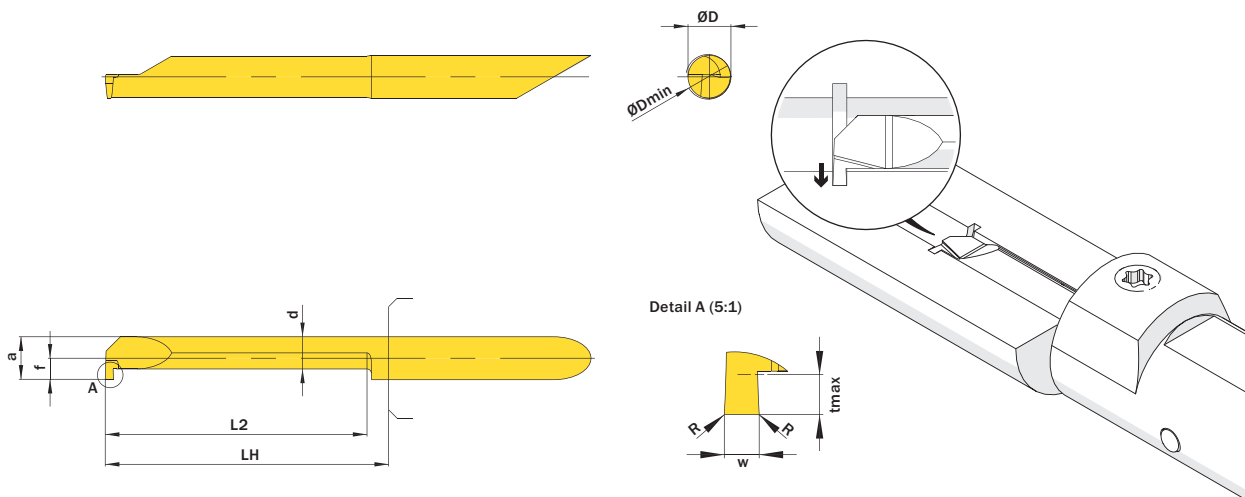
|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

43, 45, 51, 56, 60, 66, 67, 69, 71,  
74, 77, 78, 79, 80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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Legende  
Legend 155Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/801](http://www.simtek.info/cp/801)Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w<br>+0,03 | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                                                                                                                                                                                                 | a  | d  | f  | LH | R  | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------------|----|-------------------------------------------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm         | mm | mm                                        |                                            |                              |                                                                               | <b>Tagesaktuelle Verfügbarkeit und Preise finden Sie auf <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></b><br><b>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></b> | mm | mm | mm | mm | mm | mm   |                                                                             |
|    |            |    |                                           |                                            |                              |                                                                               | <b>P K M N S H O</b>                                                                                                                                                                                                                                         |    |    |    |    |    |      |                                                                             |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ w = 1,5 mm

|     |     |      |     |   |                     |   |      |      |      |      |      |      |      |      |      |      |      |   |     |   |       |   |       |
|-----|-----|------|-----|---|---------------------|---|------|------|------|------|------|------|------|------|------|------|------|---|-----|---|-------|---|-------|
| 7,0 | 1,5 | 10,2 | 7,2 | + | A07.0150.10.72 GR/L | R | AAN7 | AH5P | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 13,0 | - | 2,5 | R | A07.R | L | A07.L |
| 7,0 | 1,5 | 15,2 | 7,2 | + | A07.0150.15.72 GR/L | R | ACHZ | APC2 | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 18,0 | - | 2,5 | R | A07.R | L | A07.L |
| 7,0 | 1,5 | 20,3 | 7,2 | + | A07.0150.20.72 GR/L | R | AHXA | ADJB | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 23,0 | - | 2,5 | R | A07.R | L | A07.L |
| 7,0 | 1,5 | 25,4 | 7,2 | + | A07.0150.25.72 GR/L | R | AJW7 | ANDE | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 28,0 | - | 2,5 | R | A07.R | L | A07.L |
| 7,0 | 1,5 | 30,5 | 7,2 | + | A07.0150.30.72 GR/L | R | ACNN | ACEZ | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 33,0 | - | 2,5 | R | A07.R | L | A07.L |
| 7,0 | 1,5 | 35,6 | 7,2 | + | A07.0150.35.72 GR/L | R | AGAX | AG9E | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 38,0 | - | 2,5 | R | A07.R | L | A07.L |
| 7,0 | 1,5 | 40,6 | 7,2 | + | A07.0150.40.72 GR/L | R | AMH7 | AKM9 | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 43,0 | - | 2,5 | R | A07.R | L | A07.L |

▼ w = 1,575 mm

|     |       |      |     |   |                     |   |      |      |      |      |      |      |      |      |      |      |      |   |     |   |       |   |       |      |
|-----|-------|------|-----|---|---------------------|---|------|------|------|------|------|------|------|------|------|------|------|---|-----|---|-------|---|-------|------|
| 7,0 | 1,575 | 10,2 | 7,2 | + | A07.0157.10.72 GR/L | R | AP08 | ACYH | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 13,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0 | 1,575 | 15,2 | 7,2 | + | A07.0157.15.72 GR/L | R | AAND | AA4C | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 18,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0 | 1,575 | 20,3 | 7,2 | + | A07.0157.20.72 GR/L | R | AN5Y | AD2K | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 23,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0 | 1,575 | 25,4 | 7,2 | + | A07.0157.25.72 GR/L | R | AKKT | AN6P | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 28,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0 | 1,575 | 30,5 | 7,2 | + | A07.0157.30.72 GR/L | R | ABPX | AHW3 | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 33,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0 | 1,575 | 35,6 | 7,2 | + | A07.0157.35.72 GR/L | R | AMP7 | AMB3 | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 38,0 | - | 2,5 | R | A07.R | L | A07.L | inch |
| 7,0 | 1,575 | 40,6 | 7,2 | + | A07.0157.40.72 GR/L | R | AFZG | AKJZ | X800 | X400 | GX79 | X500 | X400 | 6,95 | 4,25 | 3,45 | 43,0 | - | 2,5 | R | A07.R | L | A07.L | inch |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A07.0150.15.72 GR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Nutenstechen

Geeignet ab Bohrungsdurchmesser 7,2 mm.

## Grooving

For use in bores as of minimum bore diameter 7,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

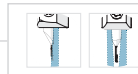
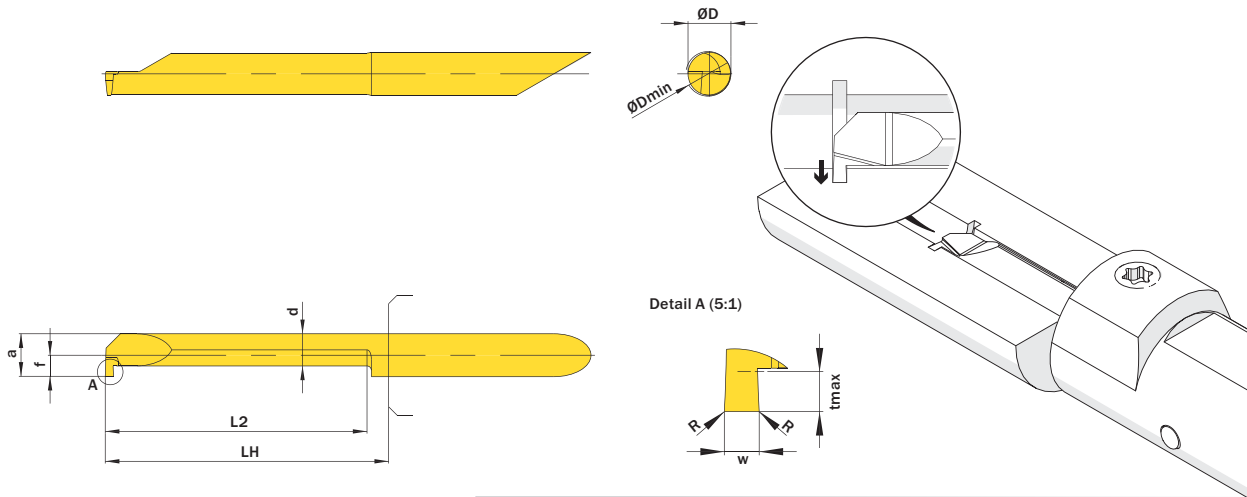
f  
0,02 mm/U Vc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

43, 45, 51, 56, 60, 66, 67, 69, 71,  
74, 77, 78, 79, 80, 81

Vergleichbare Werkzeuge auf Seite // Similar tools on page

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Legende  
Legend 155Scan  
QR-CodeOder besuchen Sie // Or Visit  
www.simtek.info/cp/802Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w +0,03 | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                                   | a  | d  | f  | LH | R  | tmax | Connectcode<br>www.simtek.com/code |
|----|---------|----|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------|----|----|----|----|----|------|------------------------------------|
| mm | mm      | mm | mm                                        |                                            |                              |                                   | <b>P K M N S H O</b><br>You can find current availability and prices on www.simtek.com/webcode | mm | mm | mm | mm | mm | mm   |                                    |

Fortgesetzte Tabelle  
Continued TableVerwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related Items can be found on the previous page as well!

▼ w = 1,981 mm

|     |       |      |     |   |                     |               |                          |      |      |      |      |   |     |                 |      |
|-----|-------|------|-----|---|---------------------|---------------|--------------------------|------|------|------|------|---|-----|-----------------|------|
| 7,0 | 1,981 | 10,2 | 7,2 | + | A07.0198.10.72 GR/L | R AHMK L APXC | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 13,0 | - | 2,5 | R A07.R L A07.L | Inch |
| 7,0 | 1,981 | 15,2 | 7,2 | + | A07.0198.15.72 GR/L | R AENX L AM33 | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 18,0 | - | 2,5 | R A07.R L A07.L | Inch |
| 7,0 | 1,981 | 20,3 | 7,2 | + | A07.0198.20.72 GR/L | R AEZW L AH9Z | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 23,0 | - | 2,5 | R A07.R L A07.L | Inch |
| 7,0 | 1,981 | 25,4 | 7,2 | + | A07.0198.25.72 GR/L | R AB5B L AHE4 | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 28,0 | - | 2,5 | R A07.R L A07.L | Inch |
| 7,0 | 1,981 | 30,5 | 7,2 | + | A07.0198.30.72 GR/L | R AJQG L AHPP | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 33,0 | - | 2,5 | R A07.R L A07.L | Inch |
| 7,0 | 1,981 | 35,6 | 7,2 | + | A07.0198.35.72 GR/L | R AFCM L AF31 | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 38,0 | - | 2,5 | R A07.R L A07.L | Inch |

▼ w = 2,0 mm

|     |     |      |     |   |                     |               |                          |      |      |      |      |   |     |                 |  |
|-----|-----|------|-----|---|---------------------|---------------|--------------------------|------|------|------|------|---|-----|-----------------|--|
| 7,0 | 2,0 | 10,2 | 7,2 | + | A07.0200.10.72 GR/L | R AVF2 L AFA9 | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 13,0 | - | 2,5 | R A07.R L A07.L |  |
| 7,0 | 2,0 | 15,2 | 7,2 | + | A07.0200.15.72 GR/L | R AEJD L AJMK | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 18,0 | - | 2,5 | R A07.R L A07.L |  |
| 7,0 | 2,0 | 20,3 | 7,2 | + | A07.0200.20.72 GR/L | R AAVP L ADHT | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 23,0 | - | 2,5 | R A07.R L A07.L |  |
| 7,0 | 2,0 | 25,4 | 7,2 | + | A07.0200.25.72 GR/L | R AGDY L AKJ0 | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 28,0 | - | 2,5 | R A07.R L A07.L |  |
| 7,0 | 2,0 | 30,5 | 7,2 | + | A07.0200.30.72 GR/L | R AHQQ L APXY | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 33,0 | - | 2,5 | R A07.R L A07.L |  |
| 7,0 | 2,0 | 35,6 | 7,2 | + | A07.0200.35.72 GR/L | R AJNM L APD1 | X800 X400 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 38,0 | - | 2,5 | R A07.R L A07.L |  |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A07.0200.10.72 GR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

# Nutenstechen

Geeignet ab Bohrungsdurchmesser 10,5 mm.

## Grooving

For use in bores as of minimum bore diameter 10,5 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
**0,02 mm/U**

Vc  
**(Seite/Page 442)**

Passende Klemmhalter auf Seite // Suitable toolholders on page  
**44, 53, 62, 66, 67, 72**

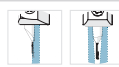
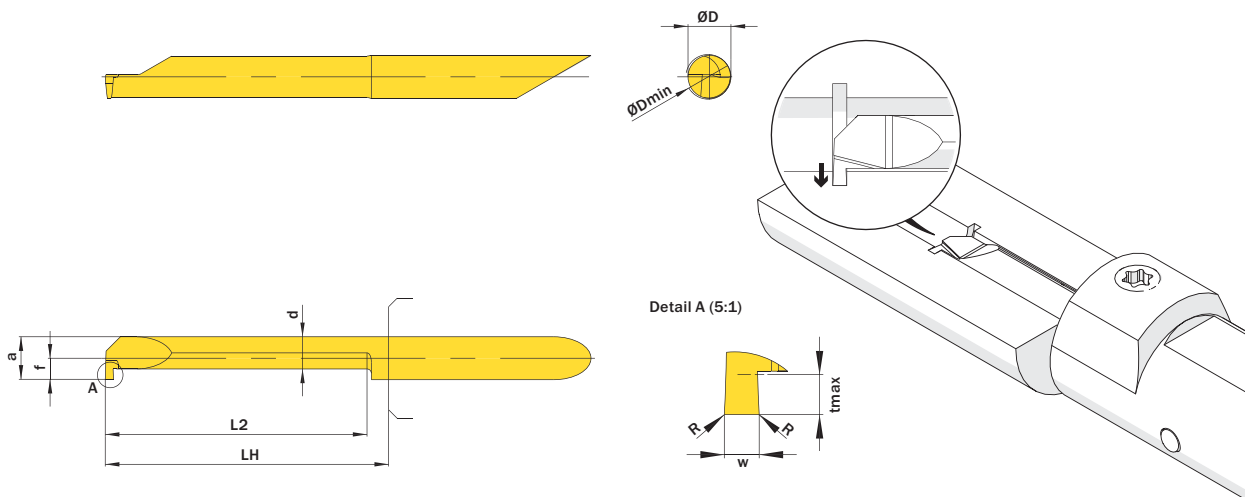
Vergleichbare Werkzeuge auf Seite // Similar tools on page  
**121**



Legende  
Legend **155**

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Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w<br>+0,03 | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                                                                                                                                                                                              | a  | d  | f  | LH | R  | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------------|----|-------------------------------------------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm         | mm | mm                                        |                                            |                              |                                                                               | <p>Tagesaktuelle Verfügbarkeit und Preise finden Sie auf <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></p> <p>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></p> | mm | mm | mm | mm | mm | mm   |                                                                             |
|    |            |    |                                           |                                            |                              |                                                                               | <p><b>P</b> <b>K</b> <b>M</b> <b>N</b> <b>S</b> <b>H</b> <b>O</b></p>                                                                                                                                                                                     |    |    |    |    |    |      |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

▼ w = 1,0 mm

|      |     |      |      |   |                            |   |      |   |      |      |              |      |      |      |      |      |      |      |   |     |   |       |   |       |
|------|-----|------|------|---|----------------------------|---|------|---|------|------|--------------|------|------|------|------|------|------|------|---|-----|---|-------|---|-------|
| 10,0 | 1,0 | 30,5 | 10,5 | + | <b>A10.0100.30.10 GR/L</b> | R | AYEJ | L | AYEH | X800 | X400<br>X600 | GX79 | X500 | X400 | 9,95 | 5,45 | 4,95 | 33,0 | - | 4,0 | R | A10.R | L | A10.L |
| 10,0 | 1,0 | 50,8 | 10,5 | + | <b>A10.0100.50.10 GR/L</b> | R | AYEM | L | AYEK | X800 | X400<br>X600 | GX79 | X500 | X400 | 9,95 | 5,45 | 4,95 | 53,0 | - | 4,0 | R | A10.R | L | A10.L |

▼ w = 2,0 mm

|      |     |      |      |   |                            |   |      |   |      |      |              |      |      |      |      |      |      |      |   |     |   |       |   |       |
|------|-----|------|------|---|----------------------------|---|------|---|------|------|--------------|------|------|------|------|------|------|------|---|-----|---|-------|---|-------|
| 10,0 | 2,0 | 30,5 | 10,5 | + | <b>A10.0200.30.10 GR/L</b> | R | AYEP | L | AYEN | X800 | X400<br>X600 | GX79 | X500 | X400 | 9,95 | 5,45 | 4,95 | 33,0 | - | 4,0 | R | A10.R | L | A10.L |
| 10,0 | 2,0 | 50,8 | 10,5 | + | <b>A10.0200.50.10 GR/L</b> | R | AYES | L | AYEQ | X800 | X400<br>X600 | GX79 | X500 | X400 | 9,95 | 5,45 | 4,95 | 53,0 | - | 4,0 | R | A10.R | L | A10.L |

▼ w = 3,0 mm

|      |     |      |      |   |                            |   |      |   |      |      |              |      |      |      |      |      |      |      |   |     |   |       |   |       |
|------|-----|------|------|---|----------------------------|---|------|---|------|------|--------------|------|------|------|------|------|------|------|---|-----|---|-------|---|-------|
| 10,0 | 3,0 | 30,5 | 10,5 | + | <b>A10.0300.30.10 GR/L</b> | R | AYEU | L | AYET | X800 | X400<br>X600 | GX79 | X500 | X400 | 9,95 | 5,45 | 4,95 | 33,0 | - | 4,0 | R | A10.R | L | A10.L |
| 10,0 | 3,0 | 50,8 | 10,5 | + | <b>A10.0300.50.10 GR/L</b> | R | AT6F | L | AYEV | X800 | X400<br>X600 | GX79 | X500 | X400 | 9,95 | 5,45 | 4,95 | 53,0 | - | 4,0 | R | A10.R | L | A10.L |

Bestellbeispiel // Order example: **A10.0200.30.10 GR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Stechen von Vollradiusnuten

Geeignet ab Bohrungsdurchmesser 4,2 mm.

## Full Radius Grooving

For use in bores as of minimum bore diameter 4,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

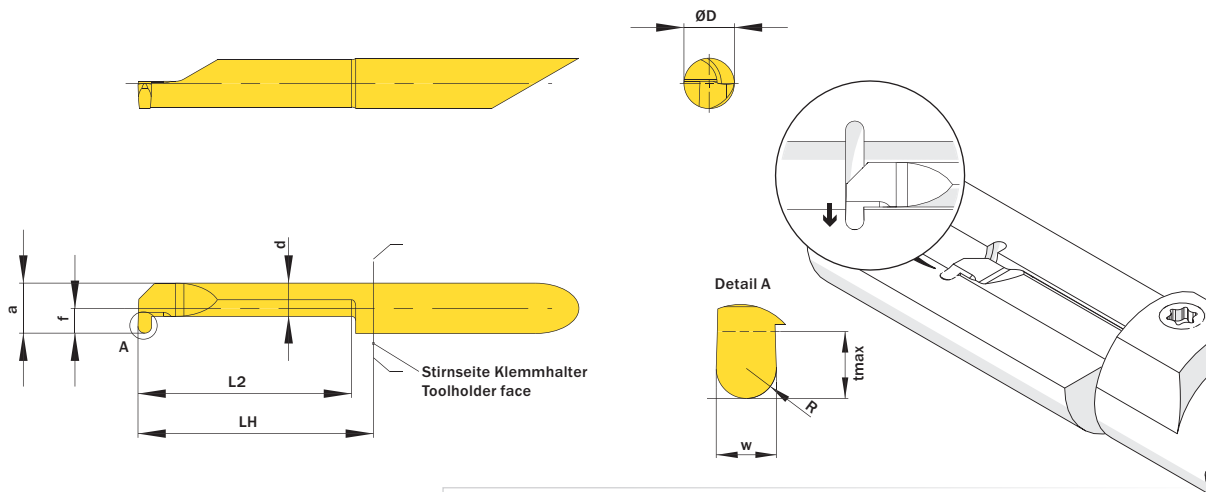
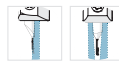
41, 42, 45, 46, 47, 48, 49, 50, 54,  
55, 56, 57, 58, 59, 64, 65, 68, 69,  
70, 71, 73, 74, 75, 76, 77, 78, 79,  
80, 81Legende  
Legend 155Oder besuchen Sie // Or Visit  
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Abbildung zeigt / Drawing shows: A06.0150.25.62 VR

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD            | w     | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a    | d    | f    | LH   | R    | tmax | Connectcode<br>www.simtek.com/code |
|---------------|-------|------|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|------|------|------|------|------|------|------------------------------------|
| mm            | mm    | mm   | mm                                        |                                            |                              |                                   |                                                              | mm   | mm   | mm   | mm   | mm   | mm   |                                    |
| ▼ ØD = 4,0 mm |       |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |      |                                    |
| 4,0           | 1,0   | 15,2 | 4,2                                       | +                                          | A04.0100.15.42 VR/L          | R AC9G L ACXS                     | X800 X400 X600 GX79 X500 X400                                | 3,95 | 2,95 | 1,95 | 18,0 | 0,5  | 0,8  | R A04C.R L A04C.L                  |
| 4,0           | 1,168 | 15,2 | 4,2                                       | +                                          | A04.0117.15.42 VR/L          | R AG4M L AGZT                     | X800 X400 X600 GX79 X500 X400                                | 3,95 | 2,95 | 1,95 | 18,0 | 0,58 | 0,8  | R A04C.R L A04C.L                  |
| ▼ ØD = 5,0 mm |       |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |      |                                    |
| 5,0           | 1,0   | 20,3 | 5,2                                       | +                                          | A05.0100.20.52 VR/L          | R AHPY L AMKU                     | X800 X400 X600 GX79 X500 X400                                | 4,95 | 3,75 | 2,45 | 23,0 | 0,5  | 1,0  | R A05.R L A05.L                    |
| 5,0           | 1,168 | 20,3 | 5,2                                       | +                                          | A05.0117.20.52 VR/L          | R AGGW L AFDL                     | X800 X400 X600 GX79 X500 X400                                | 4,95 | 3,75 | 2,45 | 23,0 | 0,58 | 1,0  | R A05.R L A05.L                    |
| 5,0           | 1,5   | 20,3 | 5,2                                       | +                                          | A05.0150.20.52 VR/L          | R AA2S L ACC3                     | X800 X400 X600 GX79 X500 X400                                | 4,95 | 3,75 | 2,45 | 23,0 | 0,75 | 1,0  | R A05.R L A05.L                    |
| 5,0           | 1,575 | 20,3 | 5,2                                       | +                                          | A05.0157.20.52 VR/L          | R AM8X L APCC                     | X800 X400 X600 GX79 X500 X400                                | 4,95 | 3,75 | 2,45 | 23,0 | 0,79 | 1,0  | R A05.R L A05.L                    |
| 5,0           | 1,626 | 20,3 | 5,2                                       | +                                          | A05.0163.20.52 VR/L          | R AT8E L AT8D                     | X800 X400 X600 GX79 X500 X400                                | 4,95 | 3,75 | 2,45 | 23,0 | 0,81 | 1,0  | R A05.R L A05.L                    |
| 5,0           | 1,981 | 20,3 | 5,2                                       | +                                          | A05.0198.20.52 VR/L          | R AT8G L AT8F                     | X800 X400 X600 GX79 X500 X400                                | 4,95 | 3,75 | 2,45 | 23,0 | 0,99 | 1,0  | R A05.R L A05.L                    |
| 5,0           | 2,0   | 20,3 | 5,2                                       | +                                          | A05.0200.20.52 VR/L          | R AK1U L AMG6                     | X800 X400 X600 GX79 X500 X400                                | 4,95 | 3,75 | 2,45 | 23,0 | 1,0  | 1,0  | R A05.R L A05.L                    |
| ▼ ØD = 6,0 mm |       |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |      |                                    |
| 6,0           | 1,0   | 25,4 | 6,2                                       | +                                          | A06.0100.25.62 VR/L          | R AKUZ L AFNY                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 3,95 | 2,95 | 28,0 | 0,5  | 1,8  | R A06.R L A06.L                    |
| 6,0           | 1,168 | 25,4 | 6,2                                       | +                                          | A06.0117.25.62 VR/L          | R AKMZ L AGQY                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 3,95 | 2,95 | 28,0 | 0,58 | 1,8  | R A06.R L A06.L                    |
| 6,0           | 1,5   | 25,4 | 6,2                                       | +                                          | A06.0150.25.62 VR/L          | R AD22 L AMMJ                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 3,95 | 2,95 | 28,0 | 0,75 | 1,8  | R A06.R L A06.L                    |
| 6,0           | 1,575 | 25,4 | 6,2                                       | +                                          | A06.0157.25.62 VR/L          | R APSG L ANCZ                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 3,95 | 2,95 | 28,0 | 0,79 | 1,8  | R A06.R L A06.L                    |
| 6,0           | 1,626 | 25,4 | 6,2                                       | +                                          | A06.0163.25.62 VR/L          | R AT8J L AT8H                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 3,95 | 2,95 | 28,0 | 0,81 | 1,8  | R A06.R L A06.L                    |
| 6,0           | 1,981 | 25,4 | 6,2                                       | +                                          | A06.0198.25.62 VR/L          | R AT8M L AT8K                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 3,95 | 2,95 | 28,0 | 0,99 | 1,8  | R A06.R L A06.L                    |
| 6,0           | 2,0   | 20,3 | 6,2                                       | +                                          | A06.0200.20.62 VR/L          | R AMV3 L AFV9                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 3,95 | 2,95 | 23,0 | 1,0  | 1,8  | R A06.R L A06.L                    |
| 6,0           | 2,0   | 25,4 | 6,2                                       | +                                          | A06.0200.25.62 VR/L          | R AH3S L AKZ8                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 3,95 | 2,95 | 28,0 | 1,0  | 1,8  | R A06.R L A06.L                    |

Verwandte Werkzeuge finden Sie auch auf der folgenden Seite!  
Related Items can be found on the following page as well!Fortgesetzte Tabelle  
Continued Table

Bestellbeispiel // Order example: A06.0200.25.62 VR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

# Stechen von Vollradiusnuten

Geeignet ab Bohrungsdurchmesser 7,2 mm.

## Full Radius Grooving

For use in bores as of minimum bore diameter 7,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f 0,02 mm/U Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

43, 45, 51, 56, 60, 66, 67, 69, 71,  
74, 77, 78, 79, 80, 81



Legende  
Legend 155

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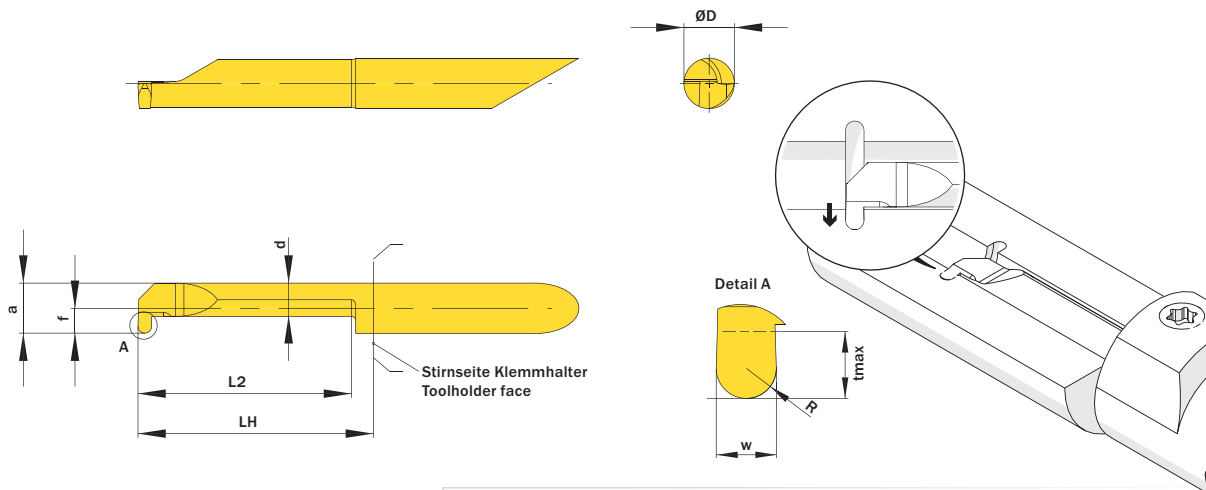
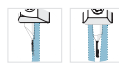


Abbildung zeigt / Drawing shows: A06.0150.25.62 VR



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD | w<br>+0,03 | L2 | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades                                                                                       | a  | d  | f  | LH | R  | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|----|------------|----|-------------------------------------------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|------|-----------------------------------------------------------------------------|
| mm | mm         | mm | mm                                        |                                            |                              |                                                                               | <div>P K M N S H O</div> <p>You can find current availability and prices on <a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a></p> | mm | mm | mm | mm | mm | mm   |                                                                             |

Fortgesetzte Tabelle  
Continued Table

Verwandte Werkzeuge finden Sie auch auf der vorhergehenden Seite!  
Related items can be found on the previous page as well!

|     |       |      |     |   |                     |               |                               |      |      |      |      |      |     |                 |      |
|-----|-------|------|-----|---|---------------------|---------------|-------------------------------|------|------|------|------|------|-----|-----------------|------|
| 7,0 | 1,0   | 30,5 | 7,2 | + | A07.0100.30.72 VR/L | R AMUA L APBC | X800 X400 X600 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 33,0 | 0,5  | 2,5 | R A07.R L A07.L |      |
| 7,0 | 1,168 | 30,5 | 7,2 | + | A07.0117.30.72 VR/L | R ABU4 L AETJ | X800 X400 X600 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 33,0 | 0,58 | 2,5 | R A07.R L A07.L | inch |
| 7,0 | 1,5   | 30,5 | 7,2 | + | A07.0150.30.72 VR/L | R AJX4 L AJG8 | X800 X400 X600 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 33,0 | 0,75 | 2,5 | R A07.R L A07.L |      |
| 7,0 | 1,575 | 30,5 | 7,2 | + | A07.0157.30.72 VR/L | R AG9X L AE47 | X800 X400 X600 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 33,0 | 0,79 | 2,5 | R A07.R L A07.L | inch |
| 7,0 | 1,626 | 30,5 | 7,2 | + | A07.0163.30.72 VR   | A4N1          | X800 X400 X600 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 33,0 | 0,81 | 2,5 | A07.R           | inch |
| 7,0 | 1,981 | 30,5 | 7,2 | + | A07.0198.30.72 VR/L | R AT8S L AT8Q | X800 X400 X600 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 33,0 | 0,99 | 2,5 | R A07.R L A07.L | inch |
| 7,0 | 2,0   | 30,5 | 7,2 | + | A07.0200.30.72 VR/L | R ACTT L ACE9 | X800 X400 X600 GX79 X500 X400 | 6,95 | 4,25 | 3,45 | 33,0 | 1,0  | 2,5 | R A07.R L A07.L |      |

Bestellbeispiel // Order example: A07.0200.30.72 VR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Vorstechen und Fasen

Geeignet ab Bohrungsdurchmesser 3,7 mm.

## Pre-Part-Off and Chamfering

For use in bores as of minimum bore diameter 3,7 mm.

Schnittwerte (Start) // Cutting parameters (start)

f 0,02 mm/U Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 41, 42, 45, 46, 47, 48, 49, 50,  
54, 55, 56, 57, 58, 59, 64, 65, 68,  
69, 70, 71, 73, 74, 75, 76, 77, 78,  
79, 80, 81



Legende  
Legend 155



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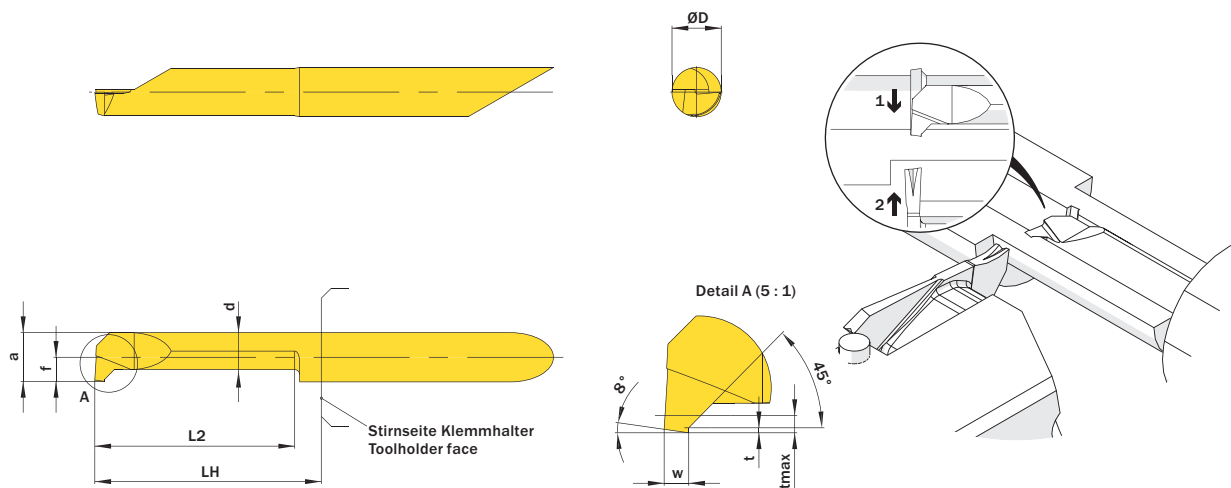
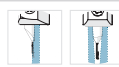


Abbildung zeigt / Drawing shows: A05.0100.20.52 PR



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | w   | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode<br><br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode |              |      |      |      |   |   | a    | d    | f    | LH   | t   | tmax | Connectcode<br>www.simtek.com/code   |
|------------------------------------------------------|-----|------|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|------|------|---|---|------|------|------|------|-----|------|--------------------------------------|
| mm                                                   | mm  | mm   | mm                                        |                                            |                              |                                   | P                                                                                                                                                                                                                                      | K            | M    | N    | S    | H | O | mm   | mm   | mm   | mm   | mm  | mm   |                                      |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,7 mm |     |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |              |      |      |      |   |   |      |      |      |      |     |      |                                      |
| 4,0                                                  | 1,0 | 10,2 | 3,7                                       | +                                          | A04.0100.10.37 PR/L          | R AEDE L AVEZ                     | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 3,45 | 2,45 | 1,7  | 13,0 | 0,2 | 0,7  | R A04.R   A04C.R<br>L A04.L   A04C.L |
| 4,0                                                  | 1,0 | 15,2 | 3,7                                       | +                                          | A04.0100.15.37 PR/L          | R ACD1 L AVEØ                     | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 3,45 | 2,45 | 1,7  | 18,0 | 0,2 | 0,7  | R A04.R   A04C.R<br>L A04.L   A04C.L |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |     |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |              |      |      |      |   |   |      |      |      |      |     |      |                                      |
| 4,0                                                  | 1,0 | 20,3 | 4,2                                       | +                                          | A04.0100.20.42 PR/L          | R AJ2W L AVE1                     | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 3,95 | 2,95 | 1,95 | 23,0 | 0,2 | 0,7  | R A04C.R L A04C.L                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |     |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |              |      |      |      |   |   |      |      |      |      |     |      |                                      |
| 5,0                                                  | 1,0 | 15,2 | 5,2                                       | +                                          | A05.0100.15.52 PR/L          | R AFZX L AD7M                     | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 4,95 | 3,75 | 2,45 | 18,0 | 0,2 | 0,7  | R A05.R L A05.L                      |
| 5,0                                                  | 1,0 | 20,3 | 5,2                                       | +                                          | A05.0100.20.52 PR/L          | R ADØE L ANDY                     | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 4,95 | 3,75 | 2,45 | 23,0 | 0,2 | 0,7  | R A05.R L A05.L                      |
| 5,0                                                  | 1,0 | 25,4 | 5,2                                       | +                                          | A05.0100.25.52 PR/L          | R AHXE L AHFW                     | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 4,95 | 3,75 | 2,45 | 28,0 | 0,2 | 0,7  | R A05.R L A05.L                      |
| 5,0                                                  | 1,0 | 30,5 | 5,2                                       | +                                          | A05.0100.30.52 PR/L          | R AG19 L AH2E                     | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 4,95 | 3,75 | 2,45 | 33,0 | 0,2 | 0,7  | R A05.R L A05.L                      |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |     |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |              |      |      |      |   |   |      |      |      |      |     |      |                                      |
| 6,0                                                  | 1,0 | 30,5 | 6,2                                       | +                                          | A06.0100.30.62 PR/L          | R AFNW L AU6N                     | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 2,95 | 33,0 | 0,2 | 0,7  | R A06.R L A06.L                      |
| 6,0                                                  | 1,0 | 40,6 | 6,2                                       | +                                          | A06.0100.40.62 PR/L          | R AB64 L AU6P                     | X800                                                                                                                                                                                                                                   | X400<br>X600 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 2,95 | 43,0 | 0,2 | 0,7  | R A06.R L A06.L                      |

Bestellbeispiel // Order example: A05.0100.15.52 PR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Gewindedrehen, Metr. ISO, Innen, Teilprofil

Mehrbereichswerkzeuge für unterschiedliche Steigungen.

## Threading, Metr. ISO, Internal, Partial Profile

Multi-purpose tools, usable for different pitches.

Schnittwerte (Start) // Cutting parameters (start)

f 0,02 mm/U

Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

45, 46, 48, 54, 55, 57, 64, 65, 68,  
69, 70, 73, 75, 76, 79, 80, 81Empf. Zustellungsart // Recom. infeed method  
**Modifizierte einseitige Flankenzustellung // Modified one-sided flank infeed (Seite/Page 447)**

Bitte Hinweise im Anhang beachten // Please read add. notes

T01 (Seite/Page 153)

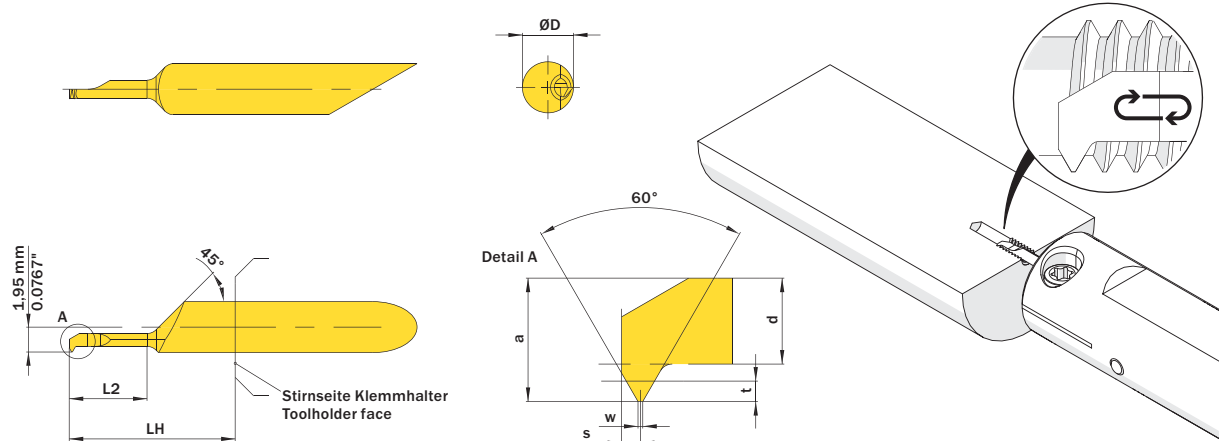
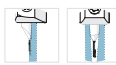
Legende  
Legend 155Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/767](http://www.simtek.info/cp/767)

Abbildung zeigt / Drawing shows: A04.M045.01.06.17 MR

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                             | Steigung (von)<br>Pitch (as of) | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | Regelgewinde<br>Standard pitch thread | a    | d    | LH   | S    | t    | w    | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|------------------------------------------------|---------------------------------|------|-------------------------------------------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------|------|------|------|------|------|------|-----------------------------------------------------------------------------|
| mm                                             | mm                              | mm   | mm                                        |                                            |                              |                                                                               | P K M N S H O                                                | mm                                    | mm   | mm   | mm   | mm   | mm   | mm   |                                                                             |
| ▼ Regelgewinde // Standard pitch thread = M1   |                                 |      |                                           |                                            |                              |                                                                               |                                                              |                                       |      |      |      |      |      |      |                                                                             |
| 4,0                                            | 0,25                            | 2,5  | 0,73                                      | +                                          | A04.M025.01.02.07 MR/L       | R ABK0 L AD4Z                                                                 | X800 X400 GX79 X500 X400                                     | M1                                    | 0,67 | 0,39 | 13,0 | 0,14 | 0,14 | 0,03 | R A04C.R L A04C.L                                                           |
| ▼ Regelgewinde // Standard pitch thread = M1,6 |                                 |      |                                           |                                            |                              |                                                                               |                                                              |                                       |      |      |      |      |      |      |                                                                             |
| 4,0                                            | 0,35                            | 4,1  | 1,22                                      | +                                          | A04.M035.01.04.12 MR/L       | R AKSA L AE2B                                                                 | X800 X400 GX79 X500 X400                                     | M1,6                                  | 1,1  | 0,71 | 13,0 | 0,18 | 0,19 | 0,04 | R A04C.R L A04C.L                                                           |
| ▼ Regelgewinde // Standard pitch thread = M2   |                                 |      |                                           |                                            |                              |                                                                               |                                                              |                                       |      |      |      |      |      |      |                                                                             |
| 4,0                                            | 0,4                             | 5,1  | 1,57                                      | +                                          | A04.M040.01.05.15 MR/L       | R AB5T L AG6C                                                                 | X800 X400 GX79 X500 X400                                     | M2                                    | 1,4  | 0,98 | 13,0 | 0,2  | 0,22 | 0,05 | R A04C.R L A04C.L                                                           |
| ▼ Regelgewinde // Standard pitch thread = M2,2 |                                 |      |                                           |                                            |                              |                                                                               |                                                              |                                       |      |      |      |      |      |      |                                                                             |
| 4,0                                            | 0,45                            | 6,1  | 1,71                                      | +                                          | A04.M045.01.06.17 MR/L       | R AH5G L ACVW                                                                 | X800 X400 GX79 X500 X400                                     | M2,2                                  | 1,45 | 1,01 | 13,0 | 0,22 | 0,24 | 0,06 | R A04C.R L A04C.L                                                           |
| ▼ Regelgewinde // Standard pitch thread = M3   |                                 |      |                                           |                                            |                              |                                                                               |                                                              |                                       |      |      |      |      |      |      |                                                                             |
| 4,0                                            | 0,5                             | 7,6  | 2,46                                      | +                                          | A04.M050.01.07.24 MR/L       | R ADAU L ABCW                                                                 | X800 X400 GX79 X500 X400                                     | M3                                    | 2,2  | 1,73 | 13,0 | 0,24 | 0,27 | 0,06 | R A04C.R L A04C.L                                                           |
| ▼ Regelgewinde // Standard pitch thread = M4   |                                 |      |                                           |                                            |                              |                                                                               |                                                              |                                       |      |      |      |      |      |      |                                                                             |
| 4,0                                            | 0,7                             | 10,2 | 3,24                                      | +                                          | A04.M070.01.10.32 MR/L       | R ABVG L AAKY                                                                 | X800 X400 GX79 X500 X400                                     | M4                                    | 2,95 | 2,37 | 13,0 | 0,32 | 0,38 | 0,09 | R A04C.R L A04C.L                                                           |
| 4,0                                            | 0,7                             | 15,2 | 3,24                                      | +                                          | A04.M070.01.15.32 MR/L       | R A05G L A05H                                                                 | X800 X400 GX79 X500 X400                                     | M4                                    | 2,95 | 2,37 | 18,0 | 0,32 | 0,38 | 0,09 | R A04C.R L A04C.L                                                           |

Bestellbeispiel // Order example: A04.M070.01.10.32 MR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

Bitte beachten Sie die zusätzlichen Hinweise im Infobereich rechts oben.

Please read the additional notes mentioned in the information area on the top right corner of this page.



## Gewindedrehen, Metr. ISO, Innen, Teilprofil

Mehrbereichswerkzeuge für unterschiedliche Steigungen.

## Threading, Metr. ISO, Internal, Partial Profile

Multi-purpose tools, usable for different pitches.

Schnittwerte (Start) // Cutting parameters (start)

Anzahl Durchgänge // Number of passes **10 - 16**Empf. Zustellungsart // Recom. infeed method  
**Modifizierte einseitige Flankenzustellung // Modified one-sided flank infeed (Seite/Page 447)**

Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page  
**41, 42, 45, 46, 47, 48, 49, 50, 54, 55, 56, 57, 58, 59, 64, 65, 68, 69, 70, 71, 73, 74, 75, 76, 77, 78, 79, 80, 81**

Bitte Hinweise im Anhang beachten // Please read add. notes

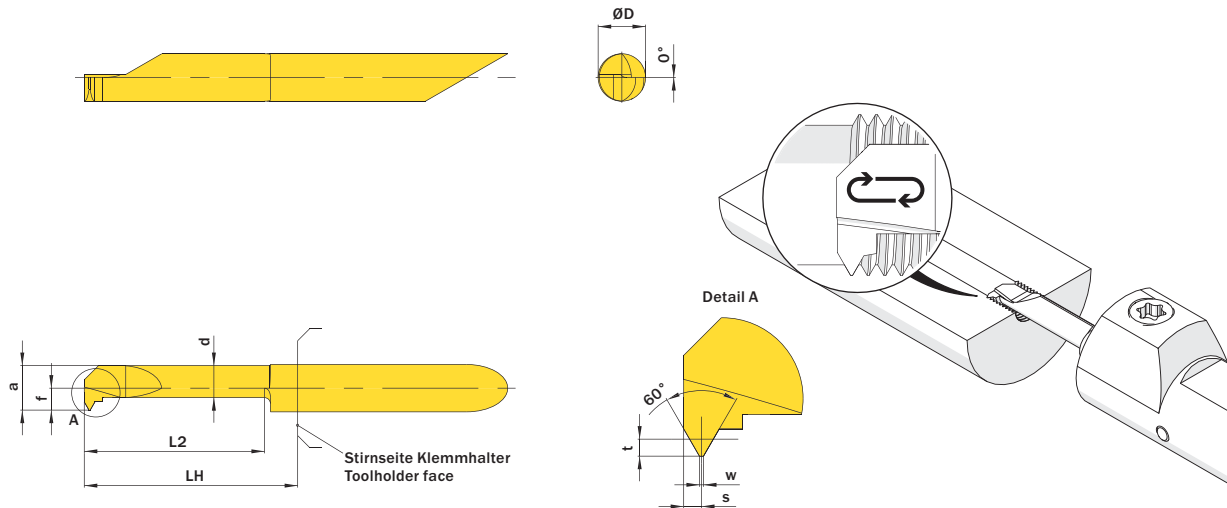
**T01 (Seite/Page 153)**Legende  
Legend **155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
**www.simtek.info/cp/770**

Abbildung zeigt / Drawing shows: A04.MT08.01.15.39 MR

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | Steigung (von)<br>Pitch (as of) | Steigung (bis)<br>Pitch (up to) | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a    | d    | f    | LH   | S    | t    | w    | Connectcode<br>www.simtek.com/code |
|------------------------------------------------------|---------------------------------|---------------------------------|------|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|------|------|------|------|------|------|------|------------------------------------|
| mm                                                   | mm                              | mm                              | mm   | mm                                        |                                            |                              |                                   |                                                              | mm   | mm   | mm   | mm   | mm   | mm   | mm   |                                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,9 mm |                                 |                                 |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |      |      |                                    |
| 4,0                                                  | 0,8                             | 1,0                             | 15,2 | 3,9                                       | +                                          | A04.MT08.01.15.39 MR/L       | R AW95 L AXA0                     | X800 X400 GX79 X500 X400                                     | 3,65 | 2,7  | 1,95 | 18,0 | 0,45 | 0,46 | 0,1  | A04C.R L A04C.L                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |                                 |                                 |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |      |      |                                    |
| 4,0                                                  | 0,5                             | 0,7                             | 15,2 | 4,2                                       | +                                          | A04.MT05.01.15.42 MR/L       | R AD6S L AHZD                     | X800 X400 GX79 X500 X400                                     | 3,95 | 2,95 | 1,95 | 18,0 | 0,35 | 0,4  | 0,06 | A04C.R L A04C.L                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,8 mm |                                 |                                 |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |      |      |                                    |
| 5,0                                                  | 1,0                             | 1,25                            | 15,2 | 4,8                                       | +                                          | A05.MT10.01.15.48 MR/L       | R AJA0 L ABPY                     | X800 X400 GX79 X500 X400                                     | 4,55 | 3,55 | 2,25 | 18,0 | 0,55 | 0,7  | 0,12 | A05.R L A05.L                      |
| 5,0                                                  | 1,0                             | 1,25                            | 20,3 | 4,8                                       | +                                          | A05.MT10.01.20.48 MR/L       | R AC5K L AK4K                     | X800 X400 GX79 X500 X400                                     | 4,55 | 3,55 | 2,25 | 23,0 | 0,55 | 0,7  | 0,12 | A05.R L A05.L                      |
| 5,0                                                  | 1,0                             | 1,25                            | 25,4 | 4,8                                       | +                                          | A05.MT10.01.25.48 MR/L       | R AH4D L AHJU                     | X800 X400 GX79 X500 X400                                     | 4,55 | 3,55 | 2,25 | 28,0 | 0,55 | 0,7  | 0,12 | A05.R L A05.L                      |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,1 mm |                                 |                                 |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |      |      |                                    |
| 5,0                                                  | 0,75                            | 1,0                             | 15,2 | 5,1                                       | +                                          | A05.MT07.01.15.51 MR/L       | R APGS L ADYW                     | X800 X400 GX79 X500 X400                                     | 4,85 | 3,65 | 2,4  | 18,0 | 0,45 | 0,57 | 0,09 | A05.R L A05.L                      |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |                                 |                                 |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |      |      |                                    |
| 5,0                                                  | 0,5                             | 0,75                            | 15,2 | 5,2                                       | +                                          | A05.MT05.01.15.52 MR/L       | R AE44 L APTP                     | X800 X400 GX79 X500 X400                                     | 4,95 | 3,75 | 2,45 | 18,0 | 0,35 | 0,43 | 0,06 | A05.R L A05.L                      |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |                                 |                                 |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |      |      |                                    |
| 6,0                                                  | 1,0                             | 1,25                            | 15,2 | 6,2                                       | +                                          | A06.MT10.01.15.62 MR/L       | R AAT9 L APQ7                     | X800 X400 GX79 X500 X400                                     | 5,95 | 3,95 | 2,95 | 18,0 | 0,55 | 0,7  | 0,12 | A06.R L A06.L                      |
| 6,0                                                  | 1,25                            | 1,5                             | 15,2 | 6,2                                       | +                                          | A06.MT12.01.15.62 MR/L       | R AG92 L APSQ                     | X800 X400 GX79 X500 X400                                     | 5,95 | 3,95 | 2,95 | 18,0 | 0,75 | 0,84 | 0,16 | A06.R L A06.L                      |
| 6,0                                                  | 1,25                            | 1,5                             | 20,3 | 6,2                                       | +                                          | A06.MT12.01.20.62 MR/L       | R ABV2 L AFV2                     | X800 X400 GX79 X500 X400                                     | 5,95 | 3,95 | 2,95 | 23,0 | 0,75 | 0,84 | 0,16 | A06.R L A06.L                      |
| 6,0                                                  | 1,25                            | 1,5                             | 25,4 | 6,2                                       | +                                          | A06.MT12.01.25.62 MR/L       | R ABY1 L AJGW                     | X800 X400 GX79 X500 X400                                     | 5,95 | 3,95 | 2,95 | 28,0 | 0,75 | 0,84 | 0,16 | A06.R L A06.L                      |
| 6,0                                                  | 1,5                             | 1,75                            | 15,2 | 6,2                                       | +                                          | A06.MT15.01.15.62 MR/L       | R AHZW L AKQS                     | X800 X400 GX79 X500 X400                                     | 5,95 | 3,95 | 2,95 | 18,0 | 0,8  | 0,98 | 0,18 | A06.R L A06.L                      |
| 6,0                                                  | 1,5                             | 1,75                            | 20,3 | 6,2                                       | +                                          | A06.MT15.01.20.62 MR/L       | R AAT5 L AECJ                     | X800 X400 GX79 X500 X400                                     | 5,95 | 3,95 | 2,95 | 23,0 | 0,8  | 0,98 | 0,18 | A06.R L A06.L                      |
| 6,0                                                  | 1,5                             | 1,75                            | 25,4 | 6,2                                       | +                                          | A06.MT15.01.25.62 MR/L       | R AACA L AB3N                     | X800 X400 GX79 X500 X400                                     | 5,95 | 3,95 | 2,95 | 28,0 | 0,8  | 0,98 | 0,18 | A06.R L A06.L                      |

Bestellbeispiel // Order example: **A06.MT15.01.15.62 MR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

Bitte beachten Sie die zusätzlichen Hinweise im Infobereich rechts oben.

Please read the additional notes mentioned in the information area on the top right corner of this page.

## Gewindedrehen, Metr. ISO, Innen, Vollprofil

Herstellung des vollständigen Gewindeprofils mit notwendiger Tiefe.

## Threading, Metr. ISO, Internal, Full Profile

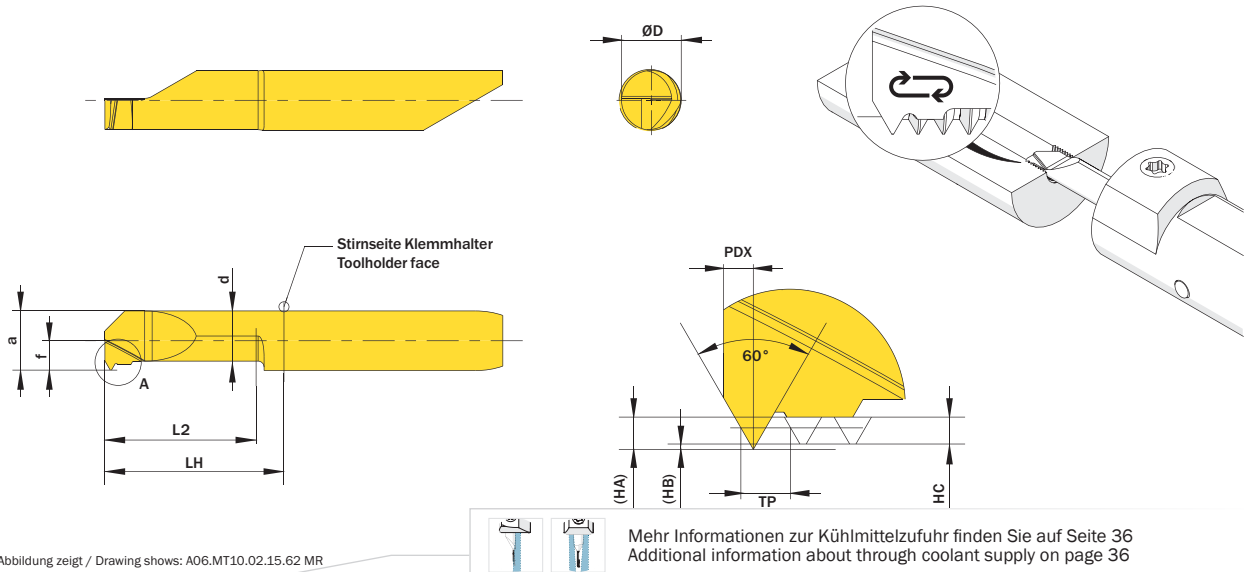
For a complete thread profile with correct depth.

Schnittwerte (Start) // Cutting parameters (start)

Anzahl Durchgänge // Number of passes **10 - 16**Empf. Zustellungsart // Recom. infeed method  
**Modifizierte einseitige Flankenzustellung // Modified one-sided flank infeed (Seite/Page 447)**

Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

41, 42, 45, 46, 47, 48, 49, 50, 54,  
55, 56, 57, 58, 59, 64, 65, 68, 69,  
70, 71, 73, 74, 75, 76, 77, 78, 79,  
80, 81Legende  
Legend **155**Scan  
QR-Code Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/771](http://www.simtek.info/cp/771)Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | Steigung TP<br>Pitch TP | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a    | d    | f    | HC    | HA    | HB    | LH   | PDX  | S    | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|------------------------------------------------------|-------------------------|------|-------------------------------------------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------|------|------|------|-------|-------|-------|------|------|------|-----------------------------------------------------------------------------|
| mm                                                   | mm                      | mm   | mm                                        |                                            |                              |                                                                               | P K M N S H O                                                | mm   | mm   | mm   | mm    | mm    | mm    | mm   | mm   | mm   |                                                                             |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,2 mm |                         |      |                                           |                                            |                              |                                                                               |                                                              |      |      |      |       |       |       |      |      |      |                                                                             |
| 4,0                                                  | 0,7                     | 15,2 | 3,2                                       | +                                          | A04.MT07.02.15.32 MR/L       | R AX2A L AX2B X800 X400 GX79 X500 X400                                        |                                                              | 2,95 | 2,35 | 1,95 | 0,379 | 0,455 | 0,076 | 18,0 | 0,45 | 0,45 | R A04C.R L A04C.L upd                                                       |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,9 mm |                         |      |                                           |                                            |                              |                                                                               |                                                              |      |      |      |       |       |       |      |      |      |                                                                             |
| 4,0                                                  | 0,8                     | 15,2 | 3,9                                       | +                                          | A04.MT08.02.15.39 MR/L       | R AW96 L AXA1 X800 X400 GX79 X500 X400                                        |                                                              | 3,65 | 2,9  | 1,95 | 0,433 | 0,52  | 0,087 | 18,0 | 0,5  | 0,5  | R A04C.R L A04C.L upd                                                       |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |                         |      |                                           |                                            |                              |                                                                               |                                                              |      |      |      |       |       |       |      |      |      |                                                                             |
| 4,0                                                  | 0,5                     | 15,2 | 4,2                                       | +                                          | A04.MT05.02.15.42 MR/L       | R AM3S L APPS X800 X400 GX79 X500 X400                                        |                                                              | 3,95 | 3,45 | 1,95 | 0,271 | 0,325 | 0,054 | 18,0 | 0,4  | 0,4  | R A04C.R L A04C.L upd                                                       |
| 4,0                                                  | 0,7                     | 15,2 | 4,2                                       | +                                          | A04.MT07.02.15.42 MR/L       | R AX5W L AX5V X800 X400 GX79 X500 X400                                        |                                                              | 3,95 | 3,35 | 1,95 | 0,379 | 0,455 | 0,076 | 18,0 | 0,45 | 0,45 | R A04C.R L A04C.L upd                                                       |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,8 mm |                         |      |                                           |                                            |                              |                                                                               |                                                              |      |      |      |       |       |       |      |      |      |                                                                             |
| 5,0                                                  | 1,0                     | 15,2 | 4,8                                       | +                                          | A05.MT10.02.15.48 MR/L       | R AANF L ANT3 X800 X400 GX79 X500 X400                                        |                                                              | 4,55 | 3,55 | 2,25 | 0,541 | 0,65  | 0,108 | 18,0 | 0,6  | 0,6  | R A05.R L A05.L upd                                                         |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,1 mm |                         |      |                                           |                                            |                              |                                                                               |                                                              |      |      |      |       |       |       |      |      |      |                                                                             |
| 5,0                                                  | 0,75                    | 15,2 | 5,1                                       | +                                          | A05.MT75.02.15.51 MR/L       | R AAP5 L ABV5 X800 X400 GX79 X500 X400                                        |                                                              | 4,85 | 4,15 | 2,4  | 0,406 | 0,487 | 0,081 | 18,0 | 0,5  | 0,5  | R A05.R L A05.L upd                                                         |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |                         |      |                                           |                                            |                              |                                                                               |                                                              |      |      |      |       |       |       |      |      |      |                                                                             |
| 5,0                                                  | 0,5                     | 15,2 | 5,2                                       | +                                          | A05.MT05.02.15.52 MR/L       | R AGN4 L ABNU X800 X400 GX79 X500 X400                                        |                                                              | 4,95 | 4,45 | 2,45 | 0,271 | 0,325 | 0,054 | 18,0 | 0,4  | 0,4  | R A05.R L A05.L upd                                                         |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |                         |      |                                           |                                            |                              |                                                                               |                                                              |      |      |      |       |       |       |      |      |      |                                                                             |
| 6,0                                                  | 1,0                     | 15,2 | 6,2                                       | +                                          | A06.MT10.02.15.62 MR/L       | R ANZG L APA6 X800 X400 GX79 X500 X400                                        |                                                              | 5,95 | 5,05 | 2,95 | 0,541 | 0,65  | 0,108 | 18,0 | 0,6  | 0,6  | R A06.R L A06.L upd                                                         |
| 6,0                                                  | 1,0                     | 25,4 | 6,2                                       | +                                          | A06.MT10.02.25.62 MR         | AYXW X800 X400 GX79 X500 X400                                                 |                                                              | 5,95 | 5,05 | 2,95 | 0,541 | 0,65  | 0,108 | 28,0 | 0,6  | 0,6  | A06.R upd                                                                   |
| 6,0                                                  | 1,25                    | 15,2 | 6,2                                       | +                                          | A06.MT12.02.15.62 MR/L       | R ANSN L AB2Z X800 X400 GX79 X500 X400                                        |                                                              | 5,95 | 4,8  | 2,95 | 0,677 | 0,812 | 0,135 | 18,0 | 0,7  | 0,7  | R A06.R L A06.L upd                                                         |
| 6,0                                                  | 1,25                    | 25,4 | 6,2                                       | +                                          | A06.MT12.02.25.62 MR         | AYXX X800 X400 GX79 X500 X400                                                 |                                                              | 5,95 | 4,8  | 2,95 | 0,677 | 0,812 | 0,135 | 28,0 | 0,7  | 0,7  | A06.R upd                                                                   |
| 6,0                                                  | 1,5                     | 15,2 | 6,2                                       | +                                          | A06.MT15.02.15.62 MR/L       | R ADMY L ADBX X800 X400 GX79 X500 X400                                        |                                                              | 5,95 | 4,5  | 2,95 | 0,812 | 0,974 | 0,162 | 18,0 | 0,8  | 0,8  | R A06.R L A06.L upd                                                         |
| 6,0                                                  | 1,5                     | 25,4 | 6,2                                       | +                                          | A06.MT15.02.25.62 MR         | AYXY X800 X400 GX79 X500 X400                                                 |                                                              | 5,95 | 4,5  | 2,95 | 0,812 | 0,974 | 0,162 | 28,0 | 0,8  | 0,8  | A06.R upd                                                                   |
| 6,0                                                  | 1,75                    | 15,2 | 6,2                                       | +                                          | A06.MT17.02.15.62 MR/L       | R APC1 L AKJ7 X800 X400 GX79 X500 X400                                        |                                                              | 5,95 | 4,3  | 2,95 | 0,947 | 1,137 | 0,189 | 18,0 | 0,9  | 0,9  | R A06.R L A06.L upd                                                         |
| 6,0                                                  | 1,75                    | 25,4 | 6,2                                       | +                                          | A06.MT17.02.25.62 MR         | AYXZ X800 X400 GX79 X500 X400                                                 |                                                              | 5,95 | 4,3  | 2,95 | 0,947 | 1,137 | 0,189 | 28,0 | 0,9  | 0,9  | A06.R upd                                                                   |
| 6,0                                                  | 2,0                     | 15,2 | 6,2                                       | +                                          | A06.MT20.02.15.62 MR/L       | R AK5N L AN51 X800 X400 GX79 X500 X400                                        |                                                              | 5,95 | 4,1  | 2,95 | 1,083 | 1,299 | 0,217 | 18,0 | 1,0  | 1,0  | R A06.R L A06.L upd                                                         |
| 6,0                                                  | 2,0                     | 25,4 | 6,2                                       | +                                          | A06.MT20.02.25.62 MR         | AYX0 X800 X400 GX79 X500 X400                                                 |                                                              | 5,95 | 4,1  | 2,95 | 1,083 | 1,299 | 0,217 | 28,0 | 1,0  | 1,0  | A06.R upd                                                                   |

Bestellbeispiel // Order example: A06.MT15.02.15.62 MR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Gewindedrehen, Trapezgew., Innen, Teilprofil

Teilprofil für Innen-Trapezgewinde.

## Threading, Trapezoidal, Internal, Partial Profile

Partial profile for internal trapezoidal thread.

Schnittwerte (Start) // Cutting parameters (start)

Anzahl Durchgänge // Number of passes  
**12 - 18**Empf. Zustellungsart // Recom. infeed method  
**Modifizierte einseitige Flankenzustellung // Modified one-sided flank infeed (Seite/Page 447)**

Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

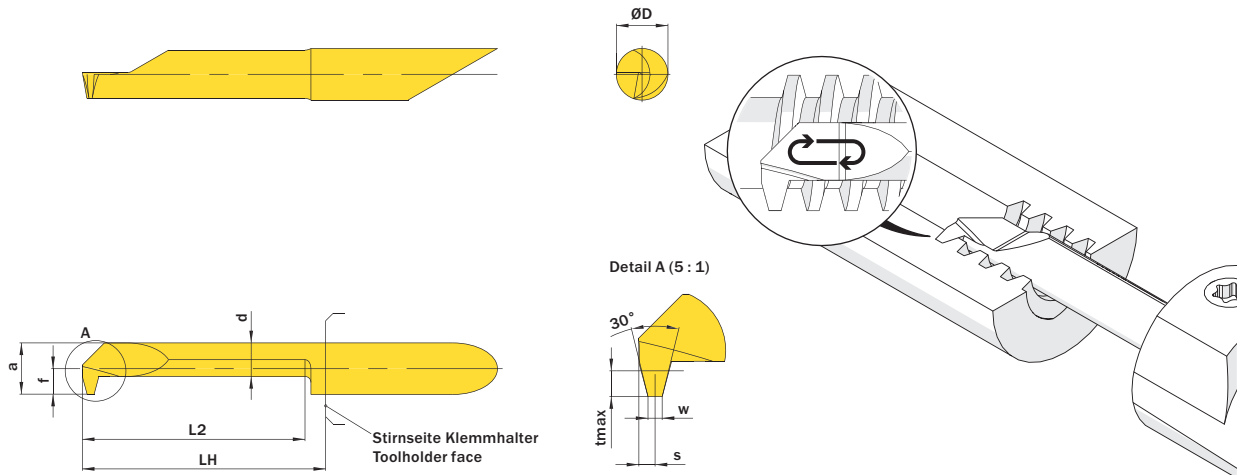
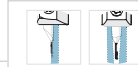
**42, 43, 45, 50, 51, 56, 59, 60, 64,  
65, 66, 67, 68, 69, 71, 74, 75, 77,  
78, 79, 80, 81**Legende  
Legend **155**Oder besuchen Sie // Or Visit  
**www.simtek.info/cp/773**

Abbildung zeigt / Drawing shows: A07.TR30.01.30.72 M R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | Steigung (von)<br>Pitch (as of) | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode<br><br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode |      |      |      |      |      |      |      |      |      | Connectcode<br>www.simtek.com/code |      |      |      |           |       |
|------------------------------------------------------|---------------------------------|------|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------------------------------------|------|------|------|-----------|-------|
| mm                                                   | mm                              | mm   | mm                                        |                                            |                              |                                   | P                                                                                                                                                                                                                                      | K    | M    | N    | S    | H    | O    | a    | d    | f    | LH                                 | S    | tmax | w    |           |       |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |                                 |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |      |      |      |      |      |      |      |      |      |                                    |      |      |      |           |       |
| 6,0                                                  | 1,5                             | 20,3 | 6,2                                       | +                                          | A06.TR15.01.20.62 MR/L       | R AF38 L                          | ABDP                                                                                                                                                                                                                                   | X800 | X400 | X600 | GX79 | X500 | X400 | 5,95 | 4,9  | 2,95 | 23,0                               | 0,6  | 0,9  | 0,47 | R A06.R L | A06.L |
| 6,0                                                  | 2,0                             | 20,3 | 6,2                                       | +                                          | A06.TR20.01.20.62 MR/L       | R AAZ9 L                          | AMPG                                                                                                                                                                                                                                   | X800 | X400 | X600 | GX79 | X500 | X400 | 5,95 | 4,55 | 2,95 | 23,0                               | 0,75 | 1,25 | 0,6  | R A06.R L | A06.L |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 7,2 mm |                                 |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |      |      |      |      |      |      |      |      |      |                                    |      |      |      |           |       |
| 7,0                                                  | 2,0                             | 20,3 | 7,2                                       | +                                          | A07.TR20.01.20.72 MR/L       | R AHAK L                          | AK4J                                                                                                                                                                                                                                   | X800 | X400 | X600 | GX79 | X500 | X400 | 6,95 | 5,05 | 3,45 | 23,0                               | 0,75 | 1,25 | 0,59 | R A07.R L | A07.L |
| 7,0                                                  | 2,0                             | 30,5 | 7,2                                       | +                                          | A07.TR20.01.30.72 MR/L       | R AGM5 L                          | AEG5                                                                                                                                                                                                                                   | X800 | X400 | X600 | GX79 | X500 | X400 | 6,95 | 5,05 | 3,45 | 33,0                               | 0,75 | 1,25 | 0,59 | R A07.R L | A07.L |
| 7,0                                                  | 3,0                             | 20,3 | 7,2                                       | +                                          | A07.TR30.01.20.72 MR/L       | R AKCZ L                          | AJGN                                                                                                                                                                                                                                   | X800 | X400 | X600 | GX79 | X500 | X400 | 6,95 | 4,55 | 3,45 | 23,0                               | 1,1  | 1,75 | 0,96 | R A07.R L | A07.L |
| 7,0                                                  | 3,0                             | 30,5 | 7,2                                       | +                                          | A07.TR30.01.30.72 MR/L       | R APWE L                          | AKJD                                                                                                                                                                                                                                   | X800 | X400 | X600 | GX79 | X500 | X400 | 6,95 | 4,55 | 3,45 | 33,0                               | 1,1  | 1,75 | 0,96 | R A07.R L | A07.L |

Bestellbeispiel // Order example: **A07.TR30.01.30.72 MR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Gewindedrehen, NPT, Innen, Teilprofil

Teilprofil für Innen-NPT-Gewinde.

## Threading, NPT, Internal, Partial Profile

Partial profile for internal NPT thread.

Schnittwerte (Start) // Cutting parameters (start)

Anzahl Durchgänge // Number of passes  
**10 - 16**Empf. Zustellungsart // Recom. infeed method  
**Modifizierte einseitige Flankenzustellung // Modified one-sided flank infeed (Seite/Page 447)**

Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

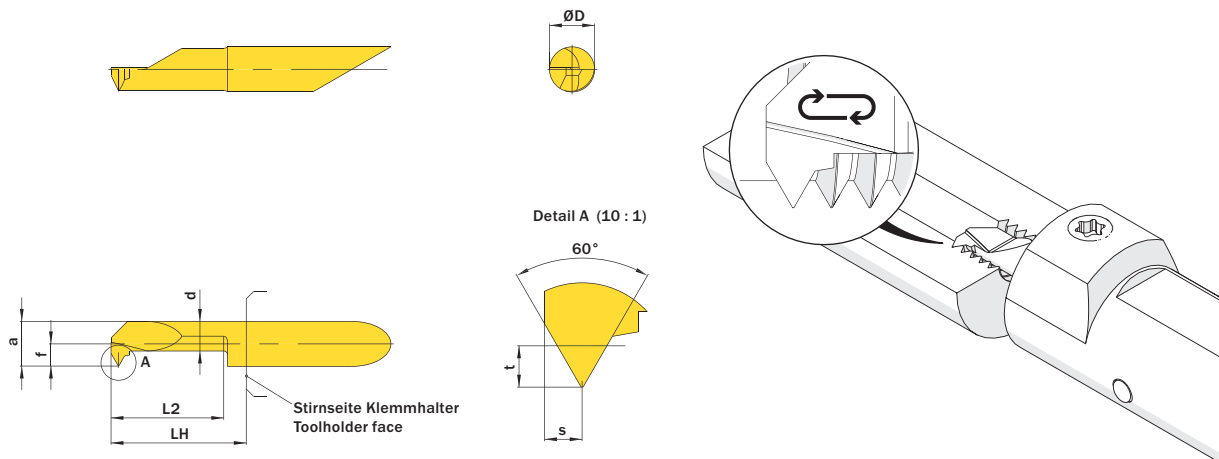
**42, 45, 50, 56, 59, 64, 65, 68, 69, 71, 74, 75, 77, 78, 79, 80, 81**Legende  
Legend **155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
**www.simtek.info/cp/772**

Abbildung zeigt / Drawing shows: A06.NP18.01.15.62 M R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                               | Gang/Zoll<br>Threads/Inch | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a    | d    | f    | LH   | S   | t    | Connectcode<br>www.simtek.com/code |
|----------------------------------|---------------------------|------|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|------|------|------|------|-----|------|------------------------------------|
| mm                               |                           | mm   | mm                                        |                                            |                              |                                   | <b>P K M N S H O</b>                                         | mm   | mm   | mm   | mm   | mm  | mm   |                                    |
| ▼ Gang/Zoll // Threads/Inch = 18 |                           |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |     |      |                                    |
| 6,0                              | 18                        | 15,2 | 6,2                                       | +                                          | A06.NP18.01.15.62 MR/L       | R AC4A L AMGC                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 3,95 | 2,95 | 18,0 | 1,0 | 1,35 | R A06.R L A06.L                    |
| ▼ Gang/Zoll // Threads/Inch = 27 |                           |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |     |      |                                    |
| 6,0                              | 27                        | 15,2 | 6,2                                       | +                                          | A06.NP27.01.15.62 MR/L       | R APHY L AM4Y                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 3,95 | 2,95 | 18,0 | 0,8 | 1,0  | R A06.R L A06.L                    |

Bestellbeispiel // Order example: **A06.NP18.01.15.62 MR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Gewindedrehen, UN, Innen, Teilprofil

Teilprofil für Innen-UN-Gewinde.

## Threading, UN, Internal, Partial Profile

Partial profile for internal UN thread.

Schnittwerte (Start) // Cutting parameters (start)

Anzahl Durchgänge // Number of passes **10 - 16**Empf. Zustellungsart // Recom. infeed method  
**Modifizierte einseitige Flankenzustellung // Modified one-sided flank infeed (Seite/Page 447)**

Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

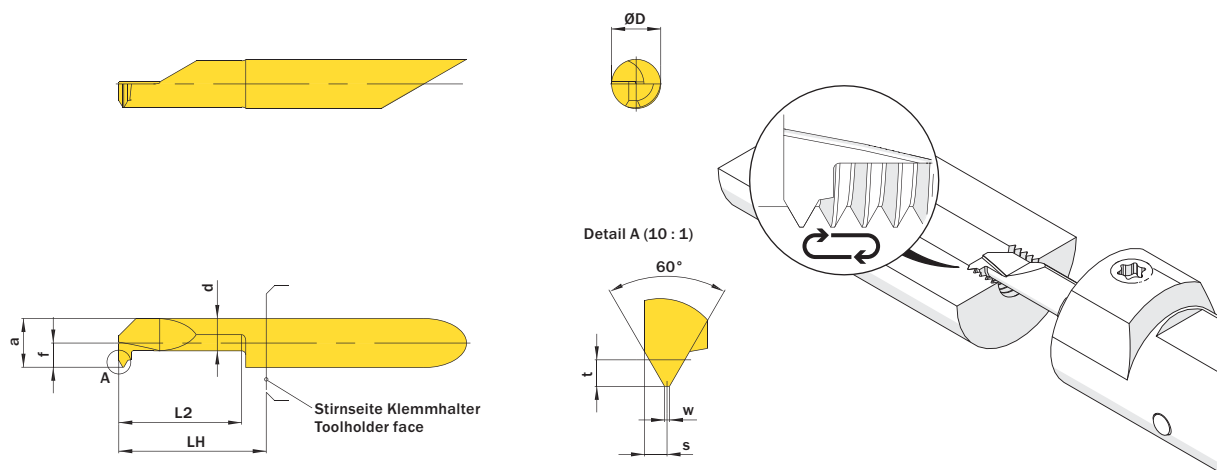
**41, 42, 45, 46, 47, 48, 49, 50, 54,  
55, 56, 57, 58, 59, 64, 65, 68, 69,  
70, 71, 73, 74, 75, 76, 77, 78, 79,  
80, 81**Legende  
Legend **155**Oder besuchen Sie // Or Visit  
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Abbildung zeigt / Drawing shows: A06.UN24.01.15.62 M R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | Gang/Zoll<br>Threads/Inch | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode<br><br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode |      |      |      |      |      |   |      |      |      | Connectcode<br>www.simtek.com/code |      |      |      |   |                 |  |  |
|------------------------------------------------------|---------------------------|------|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|---|------|------|------|------------------------------------|------|------|------|---|-----------------|--|--|
| mm                                                   |                           | mm   | mm                                        |                                            |                              |                                   | P                                                                                                                                                                                                                                      | K    | M    | N    | S    | H    | O | a    | d    | f    | LH                                 | S    | t    | w    |   |                 |  |  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |                           |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |      |      |      |      |      |   |      |      |      |                                    |      |      |      |   |                 |  |  |
| 4,0                                                  | 32-40                     | 15,2 | 4,2                                       | +                                          | A04.UN32.01.15.42 MR/L       | R AF1W L AASQ                     | X800                                                                                                                                                                                                                                   | X400 | X600 | GX79 | X500 | X400 |   | 3,95 | 2,95 | 1,95 | 18,0                               | 0,45 | 0,49 | 0,08 | R | A04C.R L A04C.L |  |  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |                           |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |      |      |      |      |      |   |      |      |      |                                    |      |      |      |   |                 |  |  |
| 5,0                                                  | 24-28                     | 15,2 | 5,2                                       | +                                          | A05.UN24.01.15.52 MR/L       | R APZB L ANS8                     | X800                                                                                                                                                                                                                                   | X400 | X600 | GX79 | X500 | X400 |   | 4,95 | 3,75 | 2,45 | 18,0                               | 0,55 | 0,64 | 0,11 | R | A05.R L A05.L   |  |  |
| 5,0                                                  | 32-40                     | 15,2 | 5,2                                       | +                                          | A05.UN32.01.15.52 MR/L       | R AEH2 L ANNA                     | X800                                                                                                                                                                                                                                   | X400 | X600 | GX79 | X500 | X400 |   | 4,95 | 3,75 | 2,45 | 18,0                               | 0,45 | 0,49 | 0,08 | R | A05.R L A05.L   |  |  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |                           |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |      |      |      |      |      |   |      |      |      |                                    |      |      |      |   |                 |  |  |
| 6,0                                                  | 16-20                     | 15,2 | 6,2                                       | +                                          | A06.UN16.01.15.62 MR/L       | R AA4A L ADKY                     | X800                                                                                                                                                                                                                                   | X400 | X600 | GX79 | X500 | X400 |   | 5,95 | 3,95 | 2,95 | 18,0                               | 0,9  | 0,97 | 0,16 | R | A06.R L A06.L   |  |  |
| 6,0                                                  | 24-28                     | 15,2 | 6,2                                       | +                                          | A06.UN24.01.15.62 MR/L       | R ACDX L ADTJ                     | X800                                                                                                                                                                                                                                   | X400 | X600 | GX79 | X500 | X400 |   | 5,95 | 3,95 | 2,95 | 18,0                               | 0,55 | 0,64 | 0,11 | R | A06.R L A06.L   |  |  |

Bestellbeispiel // Order example: **A06.UN24.01.15.62 MR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Gewindedrehen, UNC/UNF, Innen, Vollprofil

Herstellung des vollständigen Gewindeprofils mit notwendiger Tiefe.

## Threading, UNC/UNF, Internal, Full Profile

For a complete thread profile with correct depth.

Schnittwerte (Start) // Cutting parameters (start)

Anzahl Durchgänge // Number of passes **10 - 16**Empf. Zustellungsart // Recom. infeed method  
**Modifizierte einseitige Flankenzustellung // Modified one-sided flank infeed (Seite/Page 447)**

Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

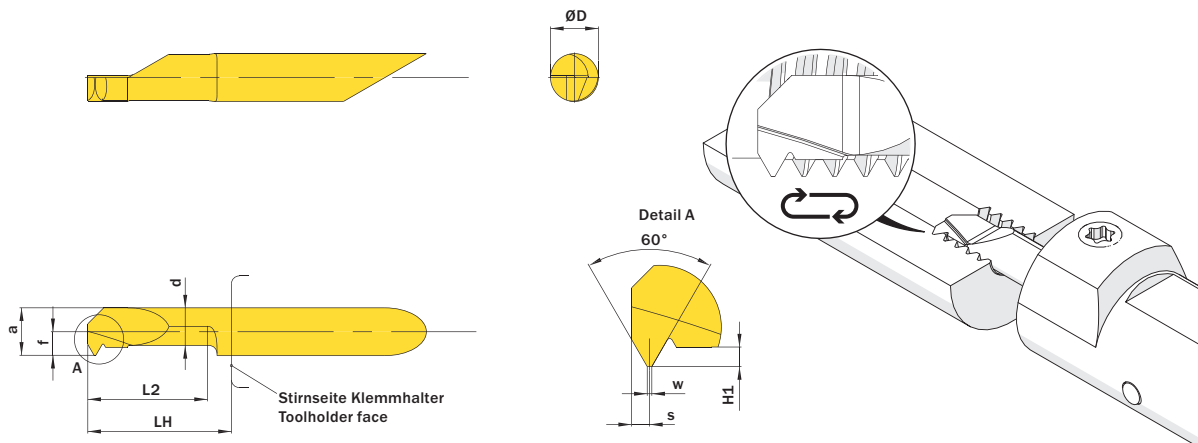
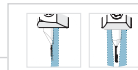
41, 42, 45, 46, 47, 48, 49, 50, 54,  
55, 56, 57, 58, 59, 64, 65, 68, 69,  
70, 71, 73, 74, 75, 76, 77, 78, 79,  
80, 81Legende  
Legend **155**Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/775](http://www.simtek.info/cp/775)

Abbildung zeigt / Drawing shows: A04.UN14.02.15.62 M R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | Gang/Zoll<br>Threads/Inch | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades | a    | d    | f    | H1   | LH   | Steigung (von)<br>Pitch (as of) | S    | w    | Connectcode<br>www.simtek.com/code |
|------------------------------------------------------|---------------------------|------|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|--------------------------------------------------------------|------|------|------|------|------|---------------------------------|------|------|------------------------------------|
| mm                                                   |                           | mm   | mm                                        |                                            |                              |                                   |                                                              | mm   | mm   | mm   | mm   | mm   | mm                              | mm   | mm   |                                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 3,9 mm |                           |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |                                 |      |      |                                    |
| 4,0                                                  | 28                        | 15,2 | 3,9                                       | +                                          | A04.UN28.02.15.39 MR/L       | R AW98 L AD3Q                     | X800 X400 X600 GX79 X500 X400                                | 3,75 | 2,95 | 1,85 | 0,49 | 18,0 | 0,91                            | 0,6  | 0,11 | R A04C.R L A04C.L                  |
| 4,0                                                  | 32                        | 15,2 | 3,9                                       | +                                          | A04.UN32.02.15.39 MR/L       | R AW97 L AXA2                     | X800 X400 X600 GX79 X500 X400                                | 3,75 | 2,95 | 1,85 | 0,43 | 18,0 | 0,79                            | 0,55 | 0,1  | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 4,2 mm |                           |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |                                 |      |      |                                    |
| 4,0                                                  | 24                        | 15,2 | 4,2                                       | +                                          | A04.UN24.02.15.42 MR/L       | R ACKF L AAPQ                     | X800 X400 X600 GX79 X500 X400                                | 3,95 | 3,05 | 1,95 | 0,57 | 18,0 | 1,06                            | 0,65 | 0,13 | R A04C.R L A04C.L                  |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |                           |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |                                 |      |      |                                    |
| 5,0                                                  | 20                        | 15,2 | 5,2                                       | +                                          | A05.UN20.02.15.52 MR/L       | R AJXH L ATV1                     | X800 X400 X600 GX79 X500 X400                                | 4,95 | 3,95 | 2,45 | 0,69 | 18,0 | 1,27                            | 0,7  | 0,16 | R A05.R L A05.L                    |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |                           |      |                                           |                                            |                              |                                   |                                                              |      |      |      |      |      |                                 |      |      |                                    |
| 6,0                                                  | 14                        | 15,2 | 6,2                                       | +                                          | A06.UN14.02.15.62 MR/L       | R AGVT L AEVU                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 4,55 | 2,95 | 0,98 | 18,0 | 1,81                            | 0,9  | 0,23 | R A06.R L A06.L                    |
| 6,0                                                  | 16                        | 15,2 | 6,2                                       | +                                          | A06.UN16.02.15.62 MR/L       | R AMTC L AGN9                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 4,75 | 2,95 | 0,86 | 18,0 | 1,59                            | 0,85 | 0,2  | R A06.R L A06.L                    |
| 6,0                                                  | 18                        | 15,2 | 6,2                                       | +                                          | A06.UN18.02.15.62 MR/L       | R AK2J L AFD2                     | X800 X400 X600 GX79 X500 X400                                | 5,95 | 4,85 | 2,95 | 0,76 | 18,0 | 1,41                            | 0,75 | 0,18 | R A06.R L A06.L                    |

Bestellbeispiel // Order example: A05.UN20.02.15.52 MR X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Gewindedrehen, Whitworth, Innen, Vollprofil

Herstellung des vollständigen Gewindeprofils mit notwendiger Tiefe sowie Kopf- und Fußradien.

## Threading, Whitworth, Internal, Full Profile

For a complete thread profile with correct depth, top radius and bottom radius.

Schnittwerte (Start) // Cutting parameters (start)

Anzahl Durchgänge // Number of passes **10 - 16**Empf. Zustellungsart // Recom. infeed method  
**Modifizierte einseitige Flankenzustellung // Modified one-sided flank infeed (Seite/Page 447)**

Vc (Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

41, 42, 45, 47, 49, 50, 55, 56, 58,  
59, 64, 65, 68, 69, 70, 71, 74, 75,  
76, 77, 78, 79, 80, 81

Legende  
Legend **155**

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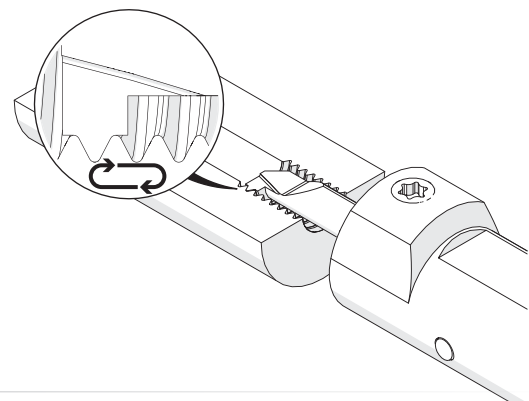
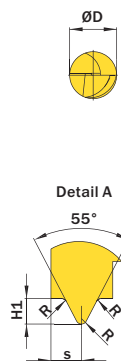
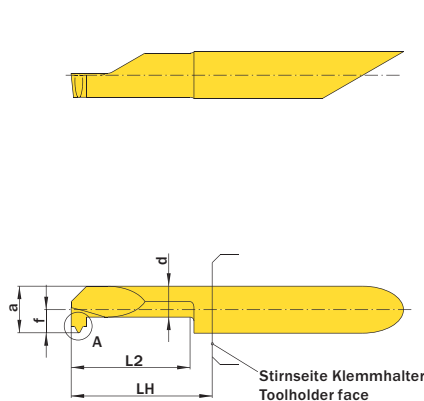
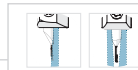


Abbildung zeigt / Drawing shows: A06.BS20.02.15.62 MR



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD                                                   | Gang/Zoll<br>Threads/inch | L2   | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode<br><br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode |      |      |      |      |   |   |      | a    | d    | f     | H1   | LH    | Steigung (von)<br>Pitch (as of) | R   | S               | Connectcode<br>www.simtek.com/ccode |
|------------------------------------------------------|---------------------------|------|-------------------------------------------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|---|---|------|------|------|-------|------|-------|---------------------------------|-----|-----------------|-------------------------------------|
| mm                                                   |                           | mm   | mm                                        |                                            |                              |                                   | P                                                                                                                                                                                                                                      | K    | M    | N    | S    | H | O | mm   | mm   | mm   | mm    | mm   | mm    | mm                              | mm  |                 |                                     |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 5,2 mm |                           |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |      |      |      |      |   |   |      |      |      |       |      |       |                                 |     |                 |                                     |
| 5,0                                                  | 24                        | 15,2 | 5,2                                       | +                                          | A05.BS24.02.15.52 MR/L       | R AJKA L APDA                     | X800                                                                                                                                                                                                                                   | X400 | GX79 | X500 | X400 |   |   | 4,95 | 3,75 | 2,45 | 0,677 | 18,0 | 1,058 | 0,145                           | 0,8 | R A05.R L A05.L |                                     |
| 5,0                                                  | 26                        | 15,2 | 5,2                                       | +                                          | A05.BS26.02.15.52 MR/L       | R AF70 L AFBU                     | X800                                                                                                                                                                                                                                   | X400 | GX79 | X500 | X400 |   |   | 4,95 | 3,75 | 2,45 | 0,625 | 18,0 | 0,977 | 0,134                           | 0,8 | R A05.R L A05.L |                                     |
| 5,0                                                  | 28                        | 15,2 | 5,2                                       | +                                          | A05.BS28.02.15.52 MR/L       | R ABB4 L AGQA                     | X800                                                                                                                                                                                                                                   | X400 | GX79 | X500 | X400 |   |   | 4,95 | 3,75 | 2,45 | 0,581 | 18,0 | 0,907 | 0,124                           | 0,8 | R A05.R L A05.L |                                     |
| ▼ ØDmin (Min. Bohrung) // ØDmin (min. bore) = 6,2 mm |                           |      |                                           |                                            |                              |                                   |                                                                                                                                                                                                                                        |      |      |      |      |   |   |      |      |      |       |      |       |                                 |     |                 |                                     |
| 6,0                                                  | 19                        | 15,2 | 6,2                                       | +                                          | A06.BS19.02.15.62 MR/L       | R AHFD L ANAY                     | X800                                                                                                                                                                                                                                   | X400 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 2,95 | 0,856 | 18,0 | 1,337 | 0,183                           | 1,0 | R A06.R L A06.L |                                     |
| 6,0                                                  | 20                        | 15,2 | 6,2                                       | +                                          | A06.BS20.02.15.62 MR/L       | R AHVF L AAVT                     | X800                                                                                                                                                                                                                                   | X400 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 2,95 | 0,813 | 18,0 | 1,27  | 0,174                           | 1,0 | R A06.R L A06.L |                                     |
| 6,0                                                  | 22                        | 15,2 | 6,2                                       | +                                          | A06.BS22.02.15.62 MR/L       | R AGES L AKD7                     | X800                                                                                                                                                                                                                                   | X400 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 2,95 | 0,739 | 18,0 | 1,155 | 0,158                           | 1,0 | R A06.R L A06.L |                                     |
| 6,0                                                  | 24                        | 15,2 | 6,2                                       | +                                          | A06.BS24.02.15.62 MR/L       | R AKC7 L AFWW                     | X800                                                                                                                                                                                                                                   | X400 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 2,95 | 0,677 | 18,0 | 1,058 | 0,145                           | 0,8 | R A06.R L A06.L |                                     |
| 6,0                                                  | 26                        | 15,2 | 6,2                                       | +                                          | A06.BS26.02.15.62 MR/L       | R AMDA L AJ45                     | X800                                                                                                                                                                                                                                   | X400 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 2,95 | 0,625 | 18,0 | 0,977 | 0,134                           | 0,8 | R A06.R L A06.L |                                     |
| 6,0                                                  | 28                        | 15,2 | 6,2                                       | +                                          | A06.BS28.02.15.62 MR/L       | R AFKD L AA9Q                     | X800                                                                                                                                                                                                                                   | X400 | GX79 | X500 | X400 |   |   | 5,95 | 3,95 | 2,95 | 0,581 | 18,0 | 0,907 | 0,124                           | 0,8 | R A06.R L A06.L |                                     |

Bestellbeispiel // Order example: **A06.BS19.02.15.62 MR X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Axialstechen

Geeignet ab Nutinnendurchmesser 3,0 mm.

## Face Grooving

Inner diameter of groove starting at 3,0 mm.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page

40, 45, 47, 48, 54, 55, 57, 64, 65,  
68, 69, 70, 73, 75, 76, 78, 79, 80,  
81



Legende  
Legend 155



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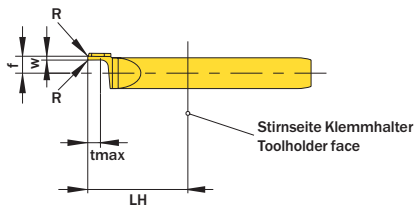
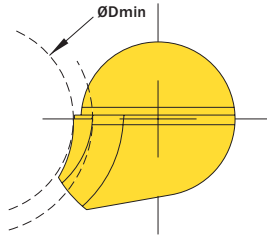
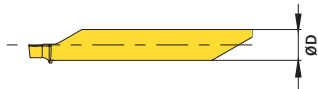


Abbildung zeigt / Drawing shows: A04.56.0050.13.00 AG R

Achtung: Die Bearbeitung muss stets vom kleinsten Nutinnendurchmesser aus beginnen.

Attention: Machining process must always start at the smallest internal groove diameter.

| ØD  | ab Nutinnendurchmesser<br>as of inner groove diameter | w +0,05 | LH   | R  | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a><br><br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | f   | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|-------------------------------------------------------|---------|------|----|------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-----------------------------------------------------------------------------|
| mm  | mm                                                    | mm      | mm   | mm |                              |                                                                               | P K M N S H O                                                                                                                                                                                                                                                                                                                  | mm  | mm   |                                                                             |
| 4,0 | 3,0                                                   | 0,5     | 13,0 | -  | A04.34.0050.13.00 AG R       | A2U4                                                                          | X800 X400 GX79 X500 X400                                                                                                                                                                                                                                                                                                       | 2,2 | 1,6  | A04.R                                                                       |
| 4,0 | 4,0                                                   | 0,5     | 13,0 | -  | A04.45.0050.13.00 AG R       | A2U5                                                                          | X800 X400 GX79 X500 X400                                                                                                                                                                                                                                                                                                       | 2,2 | 1,6  | A04.R                                                                       |
| 4,0 | 4,0                                                   | 1,0     | 13,0 | -  | A04.46.0100.13.00 AG R       | A2VA                                                                          | X800 X400 GX79 X500 X400                                                                                                                                                                                                                                                                                                       | 2,2 | 3,3  | A04.R                                                                       |
| 4,0 | 5,0                                                   | 0,5     | 13,0 | -  | A04.56.0050.13.00 AG R       | A6K1                                                                          | X800 X400 GX79 X500 X400                                                                                                                                                                                                                                                                                                       | 2,2 | 1,6  | A04.R                                                                       |

Bestellbeispiel // Order example: A04.34.0050.13.00 AG R X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Axialstechen in Bohrungen

Geeignet ab Bohrungsdurchmesser 6,2 mm.

## Face Grooving in Bores

For use in bores as of minimum bore diameter 6,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

42, 45, 50, 56, 59, 64, 65, 68, 69,  
71, 74, 75, 77, 78, 79, 80, 81SP  
HM

R

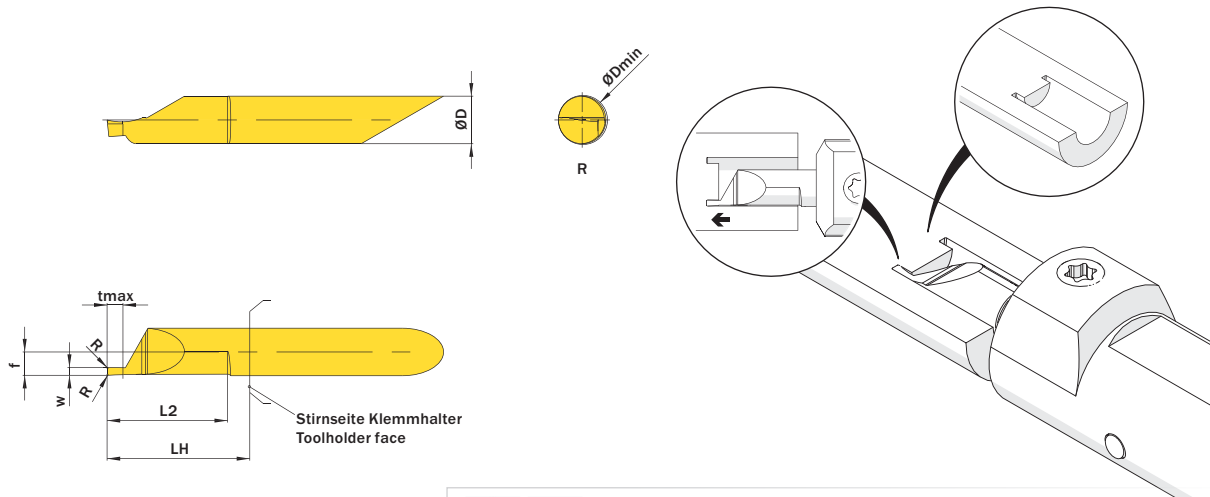
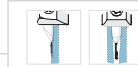
Legende  
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Abbildung zeigt / Drawing shows: A06.0100.15.01 AG R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD            | w <sup>+0,05</sup> | L2   | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended cutting grades<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | f    | LH   | R    | tmax | Connectcode<br>www.simtek.com/code |
|---------------|--------------------|------|--------------------------------------------|------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|------|------|------|------------------------------------|
| mm            | mm                 | mm   |                                            |                              |                                   | P K M N S H O                                                                                                                                                                                                                   | mm                                        | mm   | mm   | mm   | mm   |                                    |
| ▼ R = 0,05 mm |                    |      |                                            |                              |                                   |                                                                                                                                                                                                                                 |                                           |      |      |      |      |                                    |
| 6,0           | 0,787              | 15,2 | +                                          | A06.0078.15.01.05 AG R/L     | R AYU8 L AYU9                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,05 | 1,8  | R A06.R L A06.L                    |
| 6,0           | 1,0                | 15,2 | +                                          | A06.0100.15.01.05 AG R/L     | R AYU7 L AYU1                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,05 | 2,0  | R A06.R L A06.L                    |
| 6,0           | 1,5                | 15,2 | +                                          | A06.0150.15.01.05 AG R/L     | R AYVA L AYVB                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,05 | 3,0  | R A06.R L A06.L                    |
| ▼ R = 0,15 mm |                    |      |                                            |                              |                                   |                                                                                                                                                                                                                                 |                                           |      |      |      |      |                                    |
| 6,0           | 1,0                | 15,2 | +                                          | A06.0100.15.01 AG R/L        | R AB01 L AH2V                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,15 | 2,0  | R A06.R L A06.L                    |
| 6,0           | 1,168              | 15,2 | +                                          | A06.0117.15.01 AG R/L        | R ANY2 L AP1G                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,15 | 2,34 | R A06.R L A06.L                    |
| 6,0           | 1,5                | 15,2 | +                                          | A06.0150.15.01 AG R/L        | R AMN7 L AHFP                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,15 | 3,0  | R A06.R L A06.L                    |
| 6,0           | 1,575              | 15,2 | +                                          | A06.0157.15.01 AG R/L        | R ANJ5 L AG36                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,15 | 3,15 | R A06.R L A06.L                    |
| 6,0           | 1,981              | 15,2 | +                                          | A06.0198.15.01 AG R/L        | R AEBQ L APCJ                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,15 | 3,95 | R A06.R L A06.L                    |
| 6,0           | 2,0                | 15,2 | +                                          | A06.0200.15.01 AG R/L        | R AJ67 L AMKX                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,15 | 4,0  | R A06.R L A06.L                    |
| 6,0           | 2,388              | 15,2 | +                                          | A06.0239.15.01 AG R/L        | R AF9A L ACZ4                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,15 | 5,0  | R A06.R L A06.L                    |
| 6,0           | 2,5                | 15,2 | +                                          | A06.0250.15.01 AG R/L        | R AHG4 L AGS3                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,15 | 5,0  | R A06.R L A06.L                    |
| 6,0           | 3,0                | 15,2 | +                                          | A06.0300.15.01 AG R/L        | R ABX0 L AGAS                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,15 | 6,0  | R A06.R L A06.L                    |
| 6,0           | 3,175              | 15,2 | +                                          | A06.0318.15.01 AG R/L        | R AM8N L AMGF                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                   | 6,2                                       | 2,95 | 18,0 | 0,15 | 6,0  | R A06.R L A06.L                    |

Bestellbeispiel // Order example: A06.0200.15.01 AG R X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Axialstechen an Zapfen

Geeignet ab Bohrungsdurchmesser 6,2 mm.

## Face Grooving on Pivots

For use in bores as of minimum bore diameter 6,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

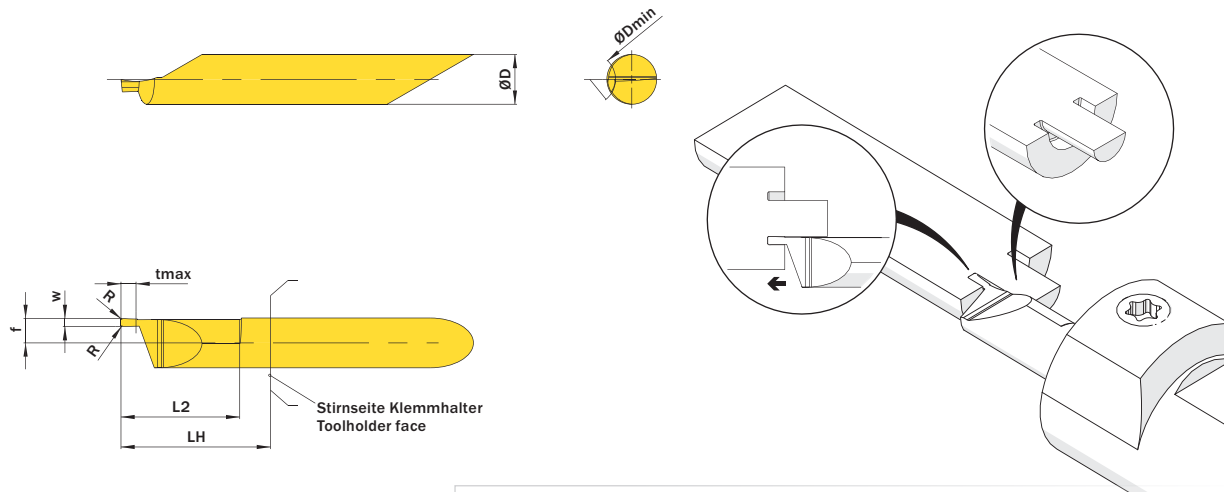
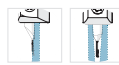
42, 45, 50, 56, 59, 64, 65, 68, 69,  
71, 74, 75, 77, 78, 79, 80, 81Legende  
Legend 155Oder besuchen Sie // Or Visit  
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Abbildung zeigt / Drawing shows: A06.0100.15.02 AG R

Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD  | w +0,05 | L2   | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | f    | LH   | R    | tmax | Connectcode<br>www.simtek.com/code |      |
|-----|---------|------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|------|------|------|------------------------------------|------|
| mm  | mm      | mm   |                                            |                              |                                   |                                                                                                                                              | mm                                        | mm   | mm   | mm   | mm   |                                    |      |
| 6,0 | 0,787   | 15,2 | +                                          | A06.0078.15.02.05 AG R/L     | R AYVG L AYVJ                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,05 | 1,8  | R A06.L L A06.R                    | inch |
| 6,0 | 1,0     | 15,2 | +                                          | A06.0100.15.02 AG R/L        | R ABQA L AETM                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,15 | 2,0  | R A06.L L A06.R                    |      |
| 6,0 | 1,0     | 15,2 | +                                          | A06.0100.15.02.05 AG R/L     | R AYVE L AYVF                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,05 | 2,0  | R A06.L L A06.R                    |      |
| 6,0 | 1,168   | 15,2 | +                                          | A06.0117.15.02 AG R/L        | R AAUY L AGYT                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,15 | 2,34 | R A06.L L A06.R                    | inch |
| 6,0 | 1,5     | 15,2 | +                                          | A06.0150.15.02 AG R/L        | R AN6W L AMBS                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,15 | 3,0  | R A06.L L A06.R                    |      |
| 6,0 | 1,5     | 15,2 | +                                          | A06.0150.15.02.05 AG R/L     | R AYVC L AYVD                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,05 | 3,0  | R A06.L L A06.R                    |      |
| 6,0 | 1,575   | 15,2 | +                                          | A06.0157.15.02 AG R/L        | R ANGN L ABMM                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,15 | 3,15 | R A06.L L A06.R                    | inch |
| 6,0 | 1,981   | 15,2 | +                                          | A06.0198.15.02 AG R/L        | R AC8Q L ABEM                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,15 | 3,96 | R A06.L L A06.R                    | inch |
| 6,0 | 2,0     | 15,2 | +                                          | A06.0200.15.02 AG R/L        | R AA2D L AK6M                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,15 | 4,0  | R A06.L L A06.R                    |      |
| 6,0 | 2,388   | 15,2 | +                                          | A06.0239.15.02 AG R/L        | R AH42 L AJSW                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,15 | 5,0  | R A06.L L A06.R                    | inch |
| 6,0 | 2,5     | 15,2 | +                                          | A06.0250.15.02 AG R/L        | R AG4W L APF4                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,15 | 5,0  | R A06.L L A06.R                    |      |
| 6,0 | 3,0     | 15,2 | +                                          | A06.0300.15.02 AG R/L        | R ABGJ L AJNY                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,15 | 6,0  | R A06.L L A06.R                    |      |
| 6,0 | 3,175   | 15,2 | +                                          | A06.0318.15.02 AG R/L        | R ABXE L AN9H                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 6,2                                       | 2,95 | 18,0 | 0,15 | 6,0  | R A06.L L A06.R                    | inch |

Bestellbeispiel // Order example: A06.0150.15.02 AG R X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Axialstechen in Bohrungen

Volle Stechtiefe ab Bohrungsdurchmesser 16,0 mm. Reduzierte Stechtiefe bereits ab Bohrungsdurchmesser 10,0 mm.

## Face Grooving in Bores

Full cutting depth as of minimum bore diameter 16,0 mm. Reduced cutting depth possible as of minimum bore diameter 10,0 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
**0,02 mm/U**

Vc  
**(Seite/Page 442)**

Passende Klemmhalter auf Seite // Suitable toolholders on page  
**44, 52, 61, 64, 66, 67, 72, 80, 81**



SP  
HM

R

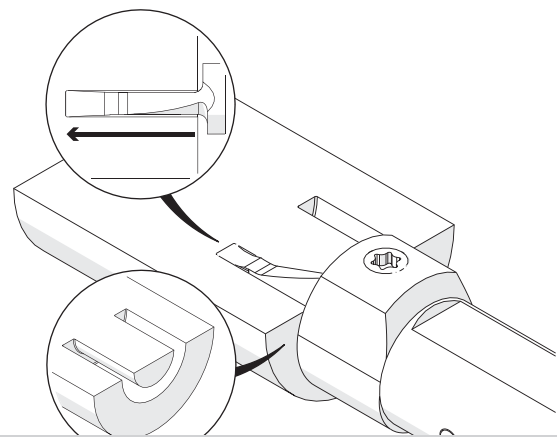
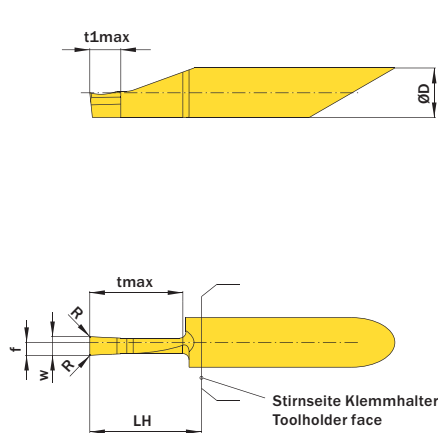
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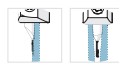
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Stechtiefe „tmax“ gilt ab Bohrungsdurchmesser gem. Angabe in Spalte „Ab Bohrungsdurchmesser“  
Stechtiefe „t1max“ gilt ab Bohrungsdurchmesser gem. Angabe in Spalte „D1min“

Cutting depth „tmax“ is possible as of bore diameter as stated in column „As of bore diameter“  
Cutting depth „t1max“ is possible as of bore diameter as stated in column „D1min“

Abbildung zeigt / Drawing shows: A08.0300.15.00 AG R



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD           | w <sup>+0,05</sup> | tmax | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | t1max | D1min | f    | LH   | R   | Connectcode<br>www.simtek.com/code |
|--------------|--------------------|------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------|-------|------|------|-----|------------------------------------|
| mm           | mm                 | mm   |                                            |                              |                                   | P K M N S H O                                                                                                                                | mm                                        | mm    | mm    | mm   | mm   | mm  |                                    |
| ▼ w = 2,0 mm |                    |      |                                            |                              |                                   |                                                                                                                                              |                                           |       |       |      |      |     |                                    |
| 8,0          | 2,0                | 10,0 | +                                          | A08.0200.10.00 AG R/L        | R AV5V L AV5U                     | X800 X400 GX79 X500 X400                                                                                                                     | 16,0                                      | -     | -     | 1,51 | 15,0 | 0,2 | A08                                |
| 8,0          | 2,0                | 15,0 | +                                          | A08.0200.15.00 AG R/L        | R AKK7 L AHEV                     | X800 X400 GX79 X500 X400                                                                                                                     | 16,0                                      | -     | -     | 1,51 | 20,0 | 0,2 | A08                                |
| ▼ w = 2,5 mm |                    |      |                                            |                              |                                   |                                                                                                                                              |                                           |       |       |      |      |     |                                    |
| 8,0          | 2,5                | 10,0 | +                                          | A08.0250.10.00 AG R/L        | R ABJN L AMFN                     | X800 X400 GX79 X500 X400                                                                                                                     | 16,0                                      | 3,0   | 10,0  | 1,8  | 15,0 | 0,2 | A08                                |
| 8,0          | 2,5                | 15,0 | +                                          | A08.0250.15.00 AG R/L        | R AV5Z L AV5Y                     | X800 X400 GX79 X500 X400                                                                                                                     | 16,0                                      | 3,0   | 10,0  | 1,8  | 20,0 | 0,2 | A08                                |
| ▼ w = 3,0 mm |                    |      |                                            |                              |                                   |                                                                                                                                              |                                           |       |       |      |      |     |                                    |
| 8,0          | 3,0                | 10,0 | +                                          | A08.0300.10.00 AG R/L        | R ANH7 L AGHC                     | X800 X400 GX79 X500 X400                                                                                                                     | 16,0                                      | 3,0   | 10,0  | 2,07 | 15,0 | 0,2 | A08                                |
| 8,0          | 3,0                | 15,0 | +                                          | A08.0300.15.00 AG R/L        | R APG2 L AF4K                     | X800 X400 GX79 X500 X400                                                                                                                     | 16,0                                      | 3,0   | 10,0  | 2,07 | 20,0 | 0,2 | A08                                |
| ▼ w = 4,0 mm |                    |      |                                            |                              |                                   |                                                                                                                                              |                                           |       |       |      |      |     |                                    |
| 8,0          | 4,0                | 10,0 | +                                          | A08.0400.10.00 AG R/L        | R AFJ9 L AFV6                     | X800 X400 GX79 X500 X400                                                                                                                     | 16,0                                      | 3,0   | 10,0  | 2,49 | 15,0 | 0,2 | A08                                |
| 8,0          | 4,0                | 15,0 | +                                          | A08.0400.15.00 AG R/L        | R AMQ5 L AEWV                     | X800 X400 GX79 X500 X400                                                                                                                     | 16,0                                      | 3,0   | 10,0  | 2,49 | 20,0 | 0,2 | A08                                |

Bestellbeispiel // Order example: **A08.0300.15.00 AG R X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Axialstechen in Bohrungen

Volle Stechtiefe ab Bohrungsdurchmesser 16,0 mm.  
Schneidwerkzeuge mit integriertem Kühlmittelkanal.

## Face Grooving in Bores

Full cutting depth as of minimum bore diameter  
16,0 mm. Inserts with through coolant.

Schnittwerte (Start) // Cutting parameters (start)

|           |                  |
|-----------|------------------|
| f         | Vc               |
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page  
52, 61, 64, 66, 67, 72, 80, 81



Legende  
Legend 155



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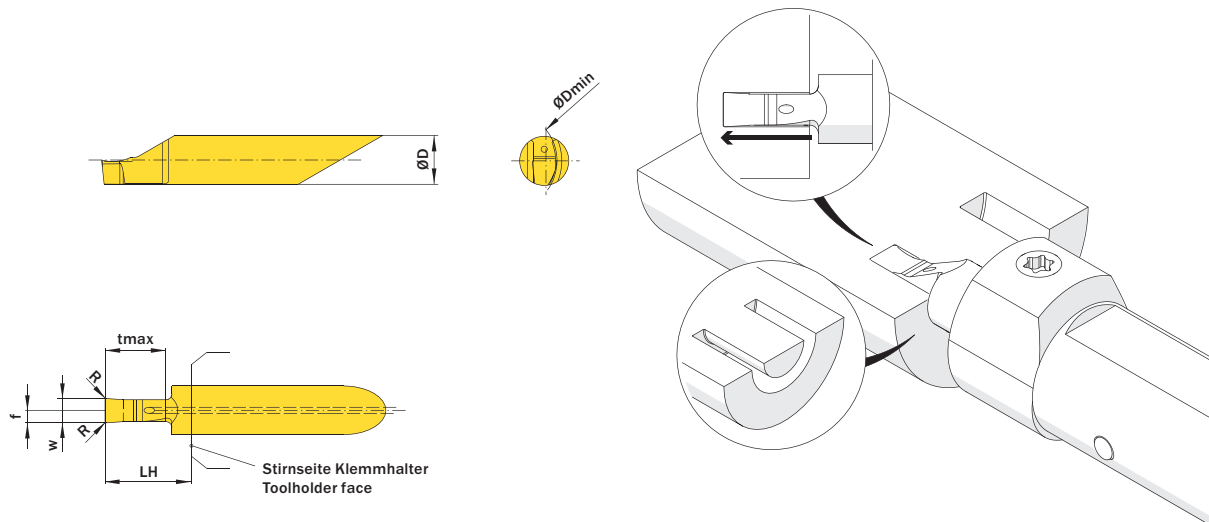
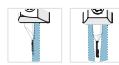


Abbildung zeigt / Drawing shows: A08.0400.10.00 TAG R



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD           | w <sup>+0,05</sup> | tmax | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | f    | LH   | R   | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|--------------|--------------------|------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|------|-----|-----------------------------------------------------------------------------|
| mm           | mm                 | mm   |                                            |                              |                                                                               | P K M N S H O                                                                                                                                                                            | mm                                        | mm   | mm   | mm  |                                                                             |
| ▼ w = 2,0 mm |                    |      |                                            |                              |                                                                               |                                                                                                                                                                                          |                                           |      |      |     |                                                                             |
| 8,0          | 2,0                | 10,0 | +                                          | A08.0200.10.00 TAG R/L       | R AV5X L AV5W                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 16,0                                      | 1,51 | 15,0 | 0,2 | A08T                                                                        |
| 8,0          | 2,0                | 15,0 | +                                          | A08.0200.15.00 TAG R/L       | R AVZ1 L AVZZ                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 16,0                                      | 1,51 | 20,0 | 0,2 | A08T                                                                        |
| ▼ w = 2,5 mm |                    |      |                                            |                              |                                                                               |                                                                                                                                                                                          |                                           |      |      |     |                                                                             |
| 8,0          | 2,5                | 10,0 | +                                          | A08.0250.10.00 TAG R/L       | R AVZ5 L AVZ3                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 16,0                                      | 1,8  | 15,0 | 0,2 | A08T                                                                        |
| 8,0          | 2,5                | 15,0 | +                                          | A08.0250.15.00 TAG R/L       | R AV51 L AV50                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 16,0                                      | 1,8  | 20,0 | 0,2 | A08T                                                                        |
| ▼ w = 3,0 mm |                    |      |                                            |                              |                                                                               |                                                                                                                                                                                          |                                           |      |      |     |                                                                             |
| 8,0          | 3,0                | 10,0 | +                                          | A08.0300.10.00 TAG R/L       | R AV0A L AVZ7                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 16,0                                      | 2,07 | 15,0 | 0,2 | A08T                                                                        |
| 8,0          | 3,0                | 15,0 | +                                          | A08.0300.15.00 TAG R/L       | R AV0G L AV0D                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 16,0                                      | 2,07 | 20,0 | 0,2 | A08T                                                                        |
| ▼ w = 4,0 mm |                    |      |                                            |                              |                                                                               |                                                                                                                                                                                          |                                           |      |      |     |                                                                             |
| 8,0          | 4,0                | 10,0 | +                                          | A08.0400.10.00 TAG R/L       | R AV0P L AV0K                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 16,0                                      | 2,49 | 15,0 | 0,2 | A08T                                                                        |
| 8,0          | 4,0                | 15,0 | +                                          | A08.0400.15.00 TAG R/L       | R AV0W L AV0T                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 16,0                                      | 2,49 | 20,0 | 0,2 | A08T                                                                        |

Bestellbeispiel // Order example: **A08.0200.10.00 TAG R X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)



## Axialstechen in Bohrungen

Volle Stechtiefe ab Bohrungsdurchmesser 20,0 mm. Reduzierte Stechtiefe bereits ab Bohrungsdurchmesser 12,0 mm.

## Face Grooving in Bores

Full cutting depth as of minimum bore diameter 20,0 mm. Reduced cutting depth possible as of minimum bore diameter 12,0 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/U

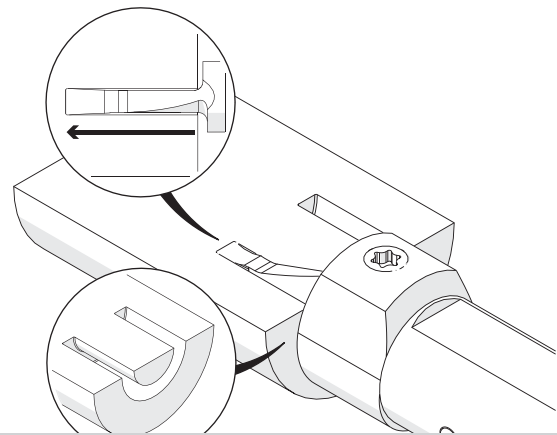
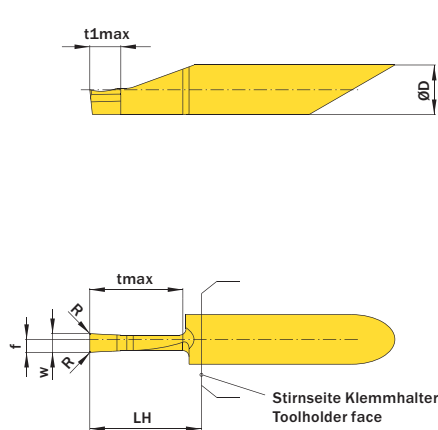
Vc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page  
44, 53, 62, 66, 67, 72



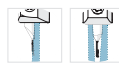
Legende  
Legend 155

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Stechtiefe „tmax“ gilt ab Bohrungsdurchmesser gem. Angabe in Spalte „Ab Bohrungsdurchmesser“  
Stechtiefe „t1max“ gilt ab Bohrungsdurchmesser gem. Angabe in Spalte „D1min“  
Cutting depth „tmax“ is possible as of bore diameter as stated in column „As of bore diameter“  
Cutting depth „t1max“ is possible as of bore diameter as stated in column „D1min“

Abbildung zeigt / Drawing shows: A08.0300.15.00 AG R



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD           | w <sup>+0,05</sup> | tmax | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | t1max | D1min | f    | LH   | R   | Connectcode<br>www.simtek.com/code |
|--------------|--------------------|------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------|-------|------|------|-----|------------------------------------|
| mm           | mm                 | mm   |                                            |                              |                                   | P K M N S H O                                                                                                                                | mm                                        | mm    | mm    | mm   | mm   | mm  |                                    |
| ▼ w = 3,0 mm |                    |      |                                            |                              |                                   |                                                                                                                                              |                                           |       |       |      |      |     |                                    |
| 10,0         | 3,0                | 20,0 | +                                          | A10.0300.20.00 AG R/L        | R AAUC L ABVX                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 20,0                                      | 5,0   | 12,0  | 2,07 | 28,0 | 0,2 | R A10.R L A10.L                    |
| 10,0         | 3,0                | 25,0 | +                                          | A10.0300.25.00 AG R/L        | R AENK L AEYQ                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 20,0                                      | 5,0   | 12,0  | 2,07 | 33,0 | 0,2 | R A10.R L A10.L                    |
| 10,0         | 3,0                | 30,0 | +                                          | A10.0300.30.00 AG R/L        | R AP2X L APZ8                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 20,0                                      | 5,0   | 12,0  | 2,07 | 38,0 | 0,2 | R A10.R L A10.L                    |
| ▼ w = 4,0 mm |                    |      |                                            |                              |                                   |                                                                                                                                              |                                           |       |       |      |      |     |                                    |
| 10,0         | 4,0                | 20,0 | +                                          | A10.0400.20.00 AG R/L        | R AMDH L AJPZ                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 20,0                                      | 5,0   | 12,0  | 2,65 | 28,0 | 0,2 | R A10.R L A10.L                    |
| 10,0         | 4,0                | 25,0 | +                                          | A10.0400.25.00 AG R/L        | R AMKB L AME8                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 20,0                                      | 5,0   | 12,0  | 2,65 | 33,0 | 0,2 | R A10.R L A10.L                    |
| 10,0         | 4,0                | 30,0 | +                                          | A10.0400.30.00 AG R/L        | R AKHQ L AB12                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 20,0                                      | 5,0   | 12,0  | 2,65 | 38,0 | 0,2 | R A10.R L A10.L                    |
| ▼ w = 5,0 mm |                    |      |                                            |                              |                                   |                                                                                                                                              |                                           |       |       |      |      |     |                                    |
| 10,0         | 5,0                | 20,0 | +                                          | A10.0500.20.00 AG R/L        | R AKXP L AAXF                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 20,0                                      | 5,0   | 12,0  | 3,1  | 28,0 | 0,2 | R A10.R L A10.L                    |
| 10,0         | 5,0                | 25,0 | +                                          | A10.0500.25.00 AG R/L        | R AA6G L AH2U                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 20,0                                      | 5,0   | 12,0  | 3,1  | 33,0 | 0,2 | R A10.R L A10.L                    |
| 10,0         | 5,0                | 30,0 | +                                          | A10.0500.30.00 AG R/L        | R AFJH L AN46                     | X800 X400 X600 GX79 X500 X400                                                                                                                | 20,0                                      | 5,0   | 12,0  | 3,1  | 38,0 | 0,2 | R A10.R L A10.L                    |

Bestellbeispiel // Order example: A10.0300.20.00 AG R X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Axialstechen in Bohrungen

Volle Stechtiefe ab Bohrungsdurchmesser 20,0 mm.  
Schneidwerkzeuge mit integriertem Kühlmittelkanal.

## Face Grooving in Bores

Full cutting depth as of minimum bore diameter  
20,0 mm. Inserts with through coolant.

Schnittwerte (Start) // Cutting parameters (start)

| f         | Vc               |
|-----------|------------------|
| 0,02 mm/U | (Seite/Page 442) |

Passende Klemmhalter auf Seite // Suitable toolholders on page  
53, 62, 66, 67, 72



Legende  
Legend

155

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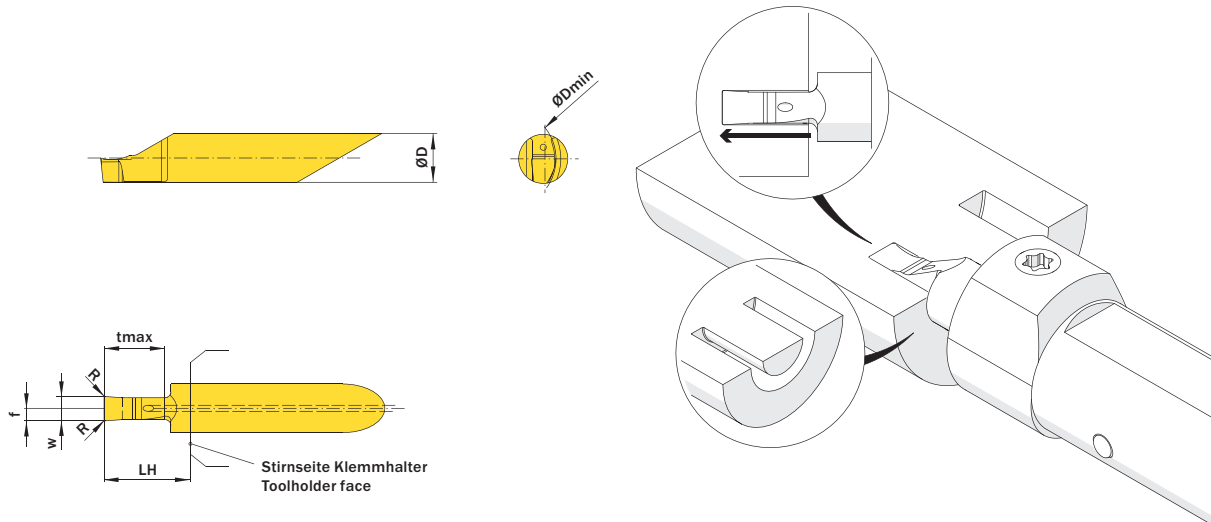
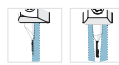


Abbildung zeigt / Drawing shows: A08.0400.10.00 TAG R



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD           | w <sup>+0,05</sup> | tmax | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br>www.simtek.com/webcode | Empfohlene<br>Schneidstoffe<br>Tagesaktuelle Verfügbarkeit<br>und Preise finden Sie auf<br>www.simtek.com/webcode<br><br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br>www.simtek.com/webcode | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | f    | LH   | R   | Connectcode<br>www.simtek.com/code |
|--------------|--------------------|------|--------------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|------|-----|------------------------------------|
| mm           | mm                 | mm   |                                            |                              |                                   | P K M N S H O                                                                                                                                                                                                                          | mm                                        | mm   | mm   | mm  |                                    |
| ▼ w = 3,0 mm |                    |      |                                            |                              |                                   |                                                                                                                                                                                                                                        |                                           |      |      |     |                                    |
| 10,0         | 3,0                | 20,0 | +                                          | A10.0300.20.00 TAG R/L       | R AV02 L AV0Z                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                          | 20,0                                      | 2,07 | 28,0 | 0,2 | A10T                               |
| 10,0         | 3,0                | 25,0 | +                                          | A10.0300.25.00 TAG R/L       | R AV08 L AV05                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                          | 20,0                                      | 2,07 | 33,0 | 0,2 | A10T                               |
| 10,0         | 3,0                | 30,0 | +                                          | A10.0300.30.00 TAG R/L       | R AV1E L AV1B                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                          | 20,0                                      | 2,07 | 38,0 | 0,2 | A10T                               |
| ▼ w = 4,0 mm |                    |      |                                            |                              |                                   |                                                                                                                                                                                                                                        |                                           |      |      |     |                                    |
| 10,0         | 4,0                | 20,0 | +                                          | A10.0400.20.00 TAG R/L       | R AV1M L AV1H                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                          | 20,0                                      | 2,65 | 28,0 | 0,2 | A10T                               |
| 10,0         | 4,0                | 25,0 | +                                          | A10.0400.25.00 TAG R/L       | R AV1U L AV1Q                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                          | 20,0                                      | 2,65 | 33,0 | 0,2 | A10T                               |
| 10,0         | 4,0                | 30,0 | +                                          | A10.0400.30.00 TAG R/L       | R AV10 L AV1X                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                          | 20,0                                      | 2,65 | 38,0 | 0,2 | A10T                               |
| 10,0         | 4,0                | 40,0 | +                                          | A10.0400.40.00 TAG R/L       | R A6UD L A6UF                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                          | 20,0                                      | 2,65 | 43,0 | 0,2 | A10T                               |
| ▼ w = 5,0 mm |                    |      |                                            |                              |                                   |                                                                                                                                                                                                                                        |                                           |      |      |     |                                    |
| 10,0         | 5,0                | 20,0 | +                                          | A10.0500.20.00 TAG R/L       | R AV16 L AV13                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                          | 20,0                                      | 3,1  | 28,0 | 0,2 | A10T                               |
| 10,0         | 5,0                | 25,0 | +                                          | A10.0500.25.00 TAG R/L       | R AV2C L AV19                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                          | 20,0                                      | 3,1  | 33,0 | 0,2 | A10T                               |
| 10,0         | 5,0                | 30,0 | +                                          | A10.0500.30.00 TAG R/L       | R AV2J L AV2F                     | X800 X400 X600 GX79 X500 X400                                                                                                                                                                                                          | 20,0                                      | 3,1  | 38,0 | 0,2 | A10T                               |

Bestellbeispiel // Order example: **A10.0300.20.00 TAG R X800** (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

# Axialstechen in Bohrungen, Vollradius

Geeignet ab Bohrungsdurchmesser 6,2 mm.

## Full Radius Face Grooving in Bores

For use in bores as of minimum bore diameter 6,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/U

Vc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

42, 45, 50, 56, 59, 64, 65, 68, 69,  
71, 74, 75, 77, 78, 79, 80, 81



SP  
HM  
R

Legende  
Legend 155

Scan  
QR-Code

Oder besuchen Sie // Or Visit  
[www.simtek.info/cp/763](http://www.simtek.info/cp/763)

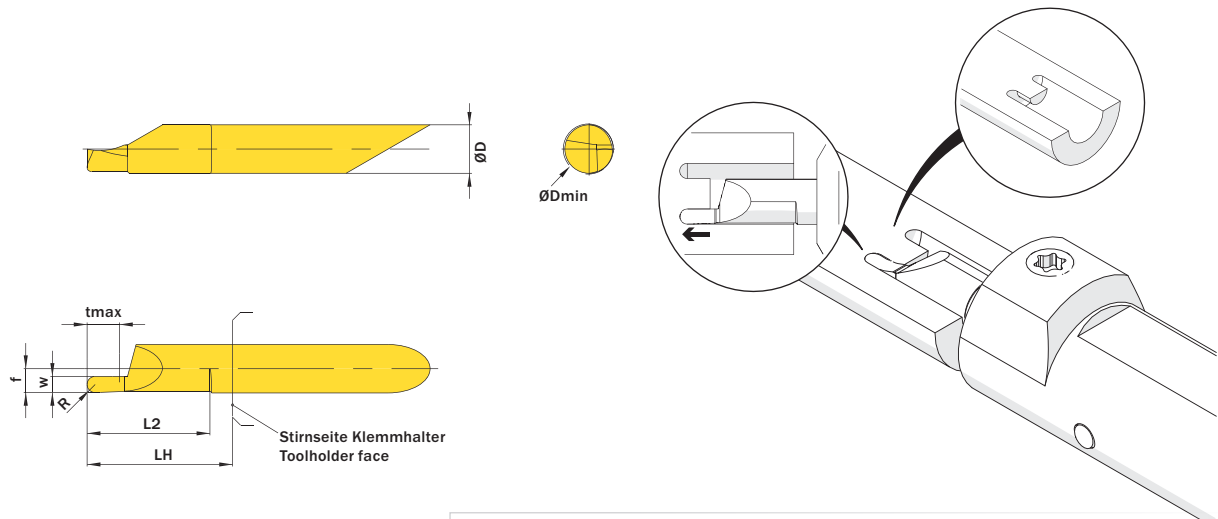
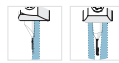


Abbildung zeigt / Drawing shows: A06.0200.15.01 AV R



Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD  | w <sup>+0,05</sup> | L2   | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | f    | LH   | R     | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|--------------------|------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|------|-------|------|-----------------------------------------------------------------------------|
| mm  | mm                 | mm   |                                            |                              |                                                                               | P K M N S H O                                                                                                                                                                            | mm                                        | mm   | mm   | mm    | mm   |                                                                             |
| 6,0 | 1,0                | 15,2 | +                                          | A06.0100.15.01 AV R/L        | R AE1C L AKM6                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 0,5   | 2,0  | R A06.R L A06.L                                                             |
| 6,0 | 1,168              | 15,2 | +                                          | A06.0117.15.01 AV R/L        | R BEPC L BEPE                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 0,584 | 3,0  | R A06.R L A06.L <span>new inch</span>                                       |
| 6,0 | 1,575              | 15,2 | +                                          | A06.0157.15.01 AV R          | A6MD                                                                          | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 0,785 | 3,0  | A06.R <span>inch</span>                                                     |
| 6,0 | 1,6                | 15,2 | +                                          | A06.0160.15.01 AV R/L        | R AJPQ L AGG4                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 0,8   | 3,0  | R A06.R L A06.L                                                             |
| 6,0 | 2,0                | 15,2 | +                                          | A06.0200.15.01 AV R/L        | R AB30 L AGFY                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 1,0   | 4,0  | R A06.R L A06.L                                                             |
| 6,0 | 2,39               | 15,2 | +                                          | A06.0239.15.01 AV R          | A6MB                                                                          | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 1,245 | 5,0  | A06.R <span>inch</span>                                                     |
| 6,0 | 2,5                | 15,2 | +                                          | A06.0250.15.01 AV R/L        | R AA4E L AK4E                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 1,25  | 5,0  | R A06.R L A06.L                                                             |
| 6,0 | 3,0                | 15,2 | +                                          | A06.0300.15.01 AV R/L        | R AF07 L AGBB                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 1,5   | 6,0  | R A06.R L A06.L                                                             |

Bestellbeispiel // Order example: A06.0100.15.01 AV R X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

## Axialstechen an Zapfen, Vollradius

Geeignet ab Bohrungsdurchmesser 6,2 mm.

## Full Radius Face Grooving on Pivots

For use in bores as of minimum bore diameter 6,2 mm.

Schnittwerte (Start) // Cutting parameters (start)

f  
0,02 mm/UVc  
(Seite/Page 442)

Passende Klemmhalter auf Seite // Suitable toolholders on page

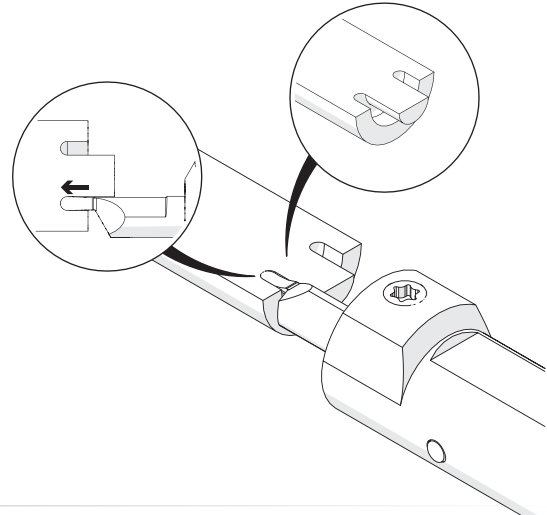
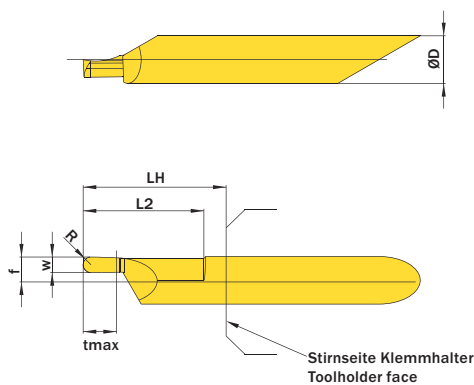
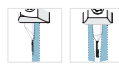
42, 45, 50, 56, 59, 64, 65, 68, 69,  
71, 74, 75, 77, 78, 79, 80, 81SP  
HM  
RLegende  
Legend 155Scan  
QR-CodeOder besuchen Sie // Or Visit  
[www.simtek.info/cp/803](http://www.simtek.info/cp/803)

Abbildung zeigt / Drawing shows: A06.0200.15.02 AV R

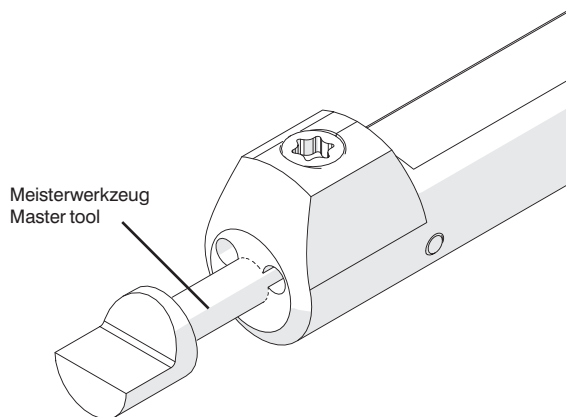
Mehr Informationen zur Kühlmittelzufuhr finden Sie auf Seite 36  
Additional information about through coolant supply on page 36

| ØD  | w +0,05 | L2   | Kühlmittelzufuhr<br>Through coolant supply | Artikelnummer<br>Part number | Webcode<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | Empfohlene<br>Schneidstoffe<br>Recommended<br>cutting grades<br>You can find current<br>availability and prices on<br><a href="http://www.simtek.com/webcode">www.simtek.com/webcode</a> | ØDmin (Min. Bohrung)<br>ØDmin (min. bore) | f    | LH   | R    | tmax | Connectcode<br><a href="http://www.simtek.com/code">www.simtek.com/code</a> |
|-----|---------|------|--------------------------------------------|------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------|------|------|------|-----------------------------------------------------------------------------|
| mm  | mm      | mm   |                                            |                              |                                                                               | P K M N S H O                                                                                                                                                                            | mm                                        | mm   | mm   | mm   | mm   |                                                                             |
| 6,0 | 1,0     | 15,2 | +                                          | A06.0100.15.02 AV R/L        | R AJSD L AFPJ                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 0,5  | 2,0  | R A06.L L A06.R                                                             |
| 6,0 | 1,6     | 15,2 | +                                          | A06.0160.15.02 AV R/L        | R ANSC L AF08                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 0,8  | 3,0  | R A06.L L A06.R                                                             |
| 6,0 | 2,0     | 15,2 | +                                          | A06.0200.15.02 AV R/L        | R AM6H L ANFX                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 1,0  | 4,0  | R A06.L L A06.R                                                             |
| 6,0 | 2,5     | 15,2 | +                                          | A06.0250.15.02 AV R/L        | R AHPW L ADH1                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 1,25 | 5,0  | R A06.L L A06.R                                                             |
| 6,0 | 3,0     | 15,2 | +                                          | A06.0300.15.02 AV R/L        | R ABYF L ADZQ                                                                 | X800 X400 X600 GX79 X500 X400                                                                                                                                                            | 6,2                                       | 2,95 | 18,0 | 1,5  | 6,0  | R A06.L L A06.R                                                             |

Bestellbeispiel // Order example: A06.0160.15.02 AV R X800 (R = Rechte Ausführung // Right hand version, X800 = Schneidstoff // Grade)

# Hinweisliste Additional information

## MASTER



Zur korrekten Ausrichtung des Klemmhalters in Hydraulische Spannfutter (o.ä.), bestellen Sie bitte die folgenden Meisterwerkzeuge, die im eingebauten Zustand ein korrektes und sicheres Ausrichten ermöglichen.

Please use the following Master tools, for adjusting and positioning the toolholder in hydraulic expansion chucks. These Master tools provide an easy and secure way.

| Meisterwerkzeug<br>Master tool | Webcode | Für Klemmhalter<br>For toolholder |
|--------------------------------|---------|-----------------------------------|
| A04.MASTER GF25                | ATWE    | A04...                            |
| A05.MASTER GF25                | ATWF    | A05...                            |
| A06.MASTER GF25                | ATWG    | A06...                            |
| A07.MASTER GF25                | ATWH    | A07...                            |
| A08.MASTER GF25                | AVJJ    | A08...                            |
| A10.MASTER GF25                | AVJH    | A10...                            |

## T01

Bei den simturn Teilprofil-Gewindeschneidplatten für metrische ISO-Gewinde handelt es sich um Mehrbereichswerkzeuge, d.h. dass mit einem Werkzeug unterschiedliche Steigungen gefertigt werden können.

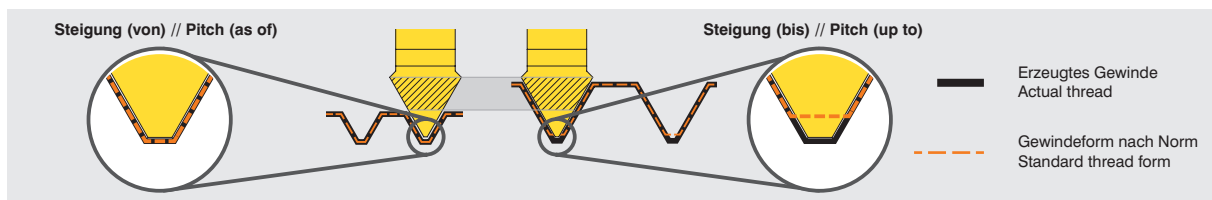
Das Schneidwerkzeug ist dabei immer auf die angegebene „Steigung (von)“ ausgelegt, wodurch ein normgerechtes Gewinde beim Fertigen dieser Steigung entsteht.

Die ebenfalls angegebene „Steigung (bis)“ kann mit diesem Werkzeug ebenfalls gefertigt werden. Es entsteht hierbei jedoch ein - gegenüber der Norm - geringfügig tieferes Gewinde. Die geringfügig höhere Gewindetiefe ist i.d.R. akzeptabel, es muss jedoch immer der Einzelfall beurteilt werden.

The simturn threading inserts with partial profile for metric ISO-threads are multi-purpose tools. This means that each insert is offering the possibility to machine different pitches.

The insert is always designed to meet the pitch given as „Pitch (as of)“: Machining this pitch will result in a standard conform thread form.

The given „Pitch (up to)“ can be machined too with this insert at the expense of standard conformity: The resulting thread will be slightly deeper than the standard. The deeper thread is usually acceptable, but the application and use needs to be evaluated.

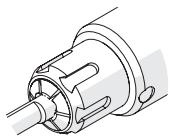


Beispiel // Example

## T02

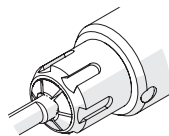
Alternative Mutter // Alternative screw nut

A04... ME ST T  
A05... ST



A00.K.93.12.12  
Ø D1 = 12,0 mm // 0,4724"

A06... ME ST T  
A07... ST

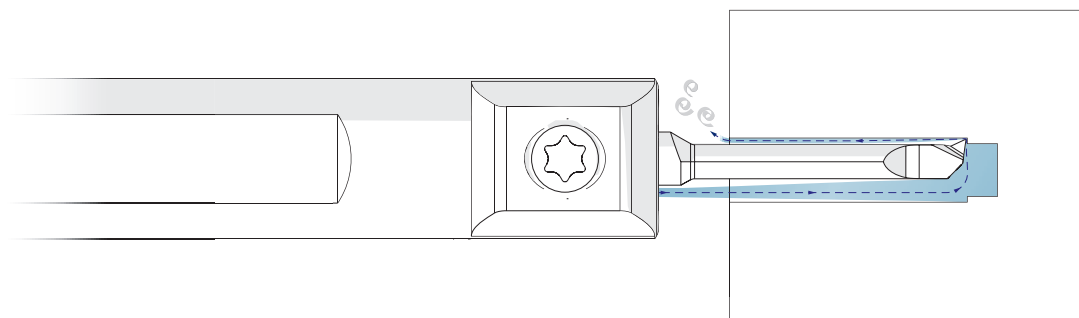


A00.K.113.15.14  
Ø D1 = 14,0 mm // 0,5512"

Alternative Muttern für optimale Leistung bei beengten Platzverhältnissen in Bohrungen.

Alternative screw nuts for optimized performance when space in bores is restricted.

## Hinweis / Hint



Generell empfehlen wir zur Kühlung die Kombination rechtes Werkzeug/rechte Kühlung bzw. linkes Werkzeug/linke Kühlung. Beim Ausdrehen einer Sacklochbohrung empfiehlt es sich jedoch diese zu hinterspülen, um die Späne aus der Bohrung zu führen (s. Abbildung). Viele unserer simturn AX – Trägerwerkzeuge bieten die Möglichkeit, vier verschiedene Kühlmittelzufuhrarten individuell einzustellen. Nutzen Sie diesen Vorteil und stimmen Sie die Kühlmittelzufuhr optimal auf Ihre Anwendung ab.

We generally recommend the combination right handed cutting tool and right handed coolant supply respectively left handed cutting tool and left handed coolant supply. However, for the boring of a blind hole it is preferable to supply the coolant along the back side of the insert in order to achieve controlled chip clearance (see image). Many of our simturn AX – toolholders offer the possibility to individually adjust four different types of coolant supply. Take advantage of this benefit and adjust the coolant supply in an optimum way for each of your application.

## H08

### Technische Spezifikationen: Gelasterte Spanformgeometrien

Für einen optimalen Einsatz von Werkzeugen mit gelaserten Spanformgeometrien, beachten Sie bitte die empfohlenen Einsatzparameter ( $f$ ,  $ap$ ,  $V_c$ ) gemäß Katalogseite sowie Ihre individuellen Maschinen- und Materialbedingungen.



Weitere Informationen zu 3D-gelaserten Spanformgeometrien finden Sie unter: [www.simtek.info/laser](http://www.simtek.info/laser) oder durch Scannen des **QR Codes!** // Find further information on 3D-lasered chip forming geometries on [www.simtek.info/laser](http://www.simtek.info/laser) or scan the **QR Code!**

### Technical specifications: Lasered chip forming geometries

For optimum use of tools with 3D-lasered chip forming geometries, please observe the recommended application parameters ( $f$ ,  $ap$ ,  $V_c$ ) according to the catalog page as well as your individual machine and material conditions.

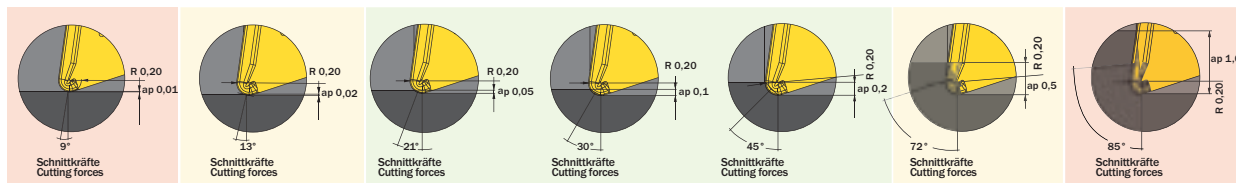
Die nachfolgenden Schaubilder veranschaulichen die Einsatzbedingungen anhand des Beispielwerkzeugs D11.1867.02 YJA R/L mit einem Radius von  $R=0,2$  mm und mit von links nach rechts zunehmender Zustellung ( $ap$ ).

The following diagrams illustrate the application conditions of the tool D11.1867.02 YJA R/L with a radius of  $R=0.2$  mm and with infeed ( $ap$ ) increasing from left to right.

In der Regel beginnt der optimale Anwendungsbereich, wenn  $ap$  größer als  $0,05$  mm ist.

Usually the optimum application range starts when the radius  $ap$  is greater than  $0,05$  mm.

← Vorschubsrichtung // Feed direction





# Legende

## Legend

|                                                                                   |                                                                                                                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SP</b><br><b>CBN</b>                                                           | Schneidwerkzeug aus CBN // CBN insert // Outils coupants en CBN // Inserto CBN // Inserto CBN // CBN kesici uç                                                        |
| <b>SP</b><br><b>HM</b>                                                            | Schneidwerkzeug aus Hartmetall // Carbide insert // Outils coupants en carbure de tungstène // Inserto in metallo duro // Inserto de carburo // Karbür kesici uç      |
| <b>TW</b><br><b>HM</b>                                                            | Trägerwerkzeug aus Hartmetall // Carbide toolholder // Porte-outils en carbure // Porta inserto in metallo duro // Porta-herramientas de carburo // Karbür tutucu     |
| <b>TW</b><br><b>ST</b>                                                            | Trägerwerkzeug aus Stahl // Steel toolholder // Porte-outils en acier // Porta inserto in acciaio // Porta-herramientas de acero // Çelik tutucu                      |
| <b>ME</b>                                                                         | ME-Spannprinzip // ME-clamping system // ME-système de fixation // Sistema di fissaggio - ME // Principio de sujeción ME // ME sıkma sistemli                         |
| <b>R</b>                                                                          | Rechts wie gezeichnet // Right hand version shown, left hand version inversely // A droite comme présenté // In figura utensile destro // Modelo derecho // Sag model |
|  | Innere Kühlmittelzufuhr // Through coolant // Refroidissement interne // Lubrificazione interna // Con refrigeración interna // İçten sogutmalı                       |
|  | Gelaserte Spanformgeometrie // Lasered chip forming geometry // Géométrie laser // Geometria laser // Geometría láser // Lazer geometrisi                             |

## Index

simturn AX Produktverzeichnis  
simturn AX Product list

|                     |                        |    |                   |     |                       |     |                       |     |                       |     |
|---------------------|------------------------|----|-------------------|-----|-----------------------|-----|-----------------------|-----|-----------------------|-----|
| simturn H2          | A04.0.375.10 L         | 73 | A04.0022          | 40  | A04.0C15.15.32.15 YEL | 104 | A04.1807.09.17.10 YR  | 86  | A04.1817.10.37.15 YL  | 90  |
|                     | A04.0.375.10 R         | 73 | A04.0022 T        | 48  | A04.0C15.15.32.15 YER | 104 | A04.1807.09.17.10 YUR | 109 | A04.1817.10.37.15 YR  | 90  |
|                     | A04.0.375.15 L         | 73 | A04.0022.0140.A04 | 75  | A04.0C17.10.37.15 YEL | 104 | A04.1807.12.17.10 YL  | 86  | A04.1817.10.37.15 YUR | 111 |
|                     | A04.0.375.15 R         | 73 | A04.0022.0140.A06 | 75  | A04.0C17.10.37.15 YER | 104 | A04.1807.12.17.10 YR  | 86  | A04.1817.15.37.15 YL  | 90  |
|                     | A04.0.500              | 40 | A04.0022.ME ST T  | 57  | A04.0C17.15.37.15 YEL | 104 | A04.1808.09.19.10 YL  | 86  | A04.1817.15.37.15 YR  | 90  |
| simturn K2          | A04.0.500 T            | 48 | A04.0022.NC L     | 46  | A04.0C17.15.37.15 YER | 104 | A04.1808.09.19.10 YR  | 86  | A04.1817.15.37.15 YUL | 111 |
|                     | A04.0.500.10 R         | 73 | A04.0022.NC R     | 46  | A04.0C17.20.37.15 YEL | 104 | A04.1808.09.19.10 YUR | 109 | A04.1817.15.37.15 YUR | 111 |
|                     | A04.0.500.12.42.ME HMT | 55 | A04.0023          | 40  | A04.0C17.20.37.15 YER | 104 | A04.1808.12.19.10 YL  | 86  | A04.1817.20.37.05 YL  | 90  |
|                     | A04.0.500.15 L         | 73 | A04.0023.ME ST T  | 57  | A04.1.000             | 40  | A04.1808.12.19.10 YR  | 86  | A04.1817.20.37.05 YR  | 90  |
|                     | A04.0.500.15 R         | 73 | A04.0025          | 40  | A04.1.000 T           | 48  | A04.1808.12.19.10 YUR | 109 | A04.1817.20.37.15 YL  | 90  |
| simturn GX          | A04.0.625.ME ST T      | 57 | A04.0025 T        | 48  | A04.1.000.ME ST T     | 57  | A04.1808.13.19.10 YL  | 86  | A04.1817.20.37.15 YR  | 90  |
|                     | A04.0.500.NC L         | 46 | A04.0025.0140.A06 | 75  | A04.1.000.S           | 70  | A04.1808.13.19.10 YR  | 86  | A04.1817.20.37.15 YUR | 111 |
|                     | A04.0.500.NC R         | 46 | A04.0025.ME ST T  | 57  | A04.1010              | 70  | A04.1810.06.22.05 YL  | 87  | A04.1817.25.37.10 YL  | 90  |
|                     | A04.0.500.S            | 70 | A04.0028          | 45  | A04.1010.10 L         | 73  | A04.1810.06.22.05 YR  | 87  | A04.1817.25.37.10 YR  | 90  |
|                     | A04.0.625              | 40 | A04.0028.0140.A06 | 75  | A04.1010.10 R         | 73  | A04.1810.06.22.10 YL  | 87  | A04.1817.25.37.10 YUR | 111 |
| simturn E3          | A04.0.625 T            | 48 | A04.0050.06.20 GL | 122 | A04.1010.15 L         | 73  | A04.1810.06.22.10 YR  | 87  | A04.1817.25.37.15 YUR | 111 |
|                     | A04.0.625.05 B ST      | 78 | A04.0050.06.20 GR | 122 | A04.1010.15 R         | 73  | A04.1810.06.22.10 YUR | 109 | A04.1820.10.42.03 YL  | 91  |
|                     | A04.0.625.ME ST T      | 57 | A04.0050.09.20 GL | 122 | A04.1212              | 70  | A04.1810.09.22.05 YL  | 87  | A04.1820.10.42.03 YR  | 91  |
|                     | A04.0.625.NC L         | 46 | A04.0050.09.20 GR | 122 | A04.1212.10 L         | 73  | A04.1810.09.22.05 YR  | 87  | A04.1820.10.42.05 YL  | 91  |
|                     | A04.0.625.NC R         | 46 | A04.0050.12.20 GL | 122 | A04.1212.10 R         | 73  | A04.1810.09.22.10 YL  | 87  | A04.1820.10.42.05 YR  | 91  |
| simturn E12         | A04.0.625.S            | 70 | A04.0050.12.20 GR | 122 | A04.1212.15 L         | 73  | A04.1810.09.22.10 YR  | 87  | A04.1820.10.42.15 JAR | 98  |
|                     | A04.0.750              | 40 | A04.0070.08.30 GL | 122 | A04.1212.15 R         | 73  | A04.1810.09.22.10 YUL | 109 | A04.1820.15.42.03 YL  | 91  |
|                     | A04.0.750 T            | 48 | A04.0070.08.30 GR | 122 | A04.1212.G.080 L      | 69  | A04.1810.09.22.10 YUR | 109 | A04.1820.10.42.15 YR  | 91  |
|                     | A04.0.750.0140.A06     | 75 | A04.0070.12.30 GL | 122 | A04.1212.G.080 R      | 69  | A04.1810.13.22.10 YL  | 87  | A04.1820.10.42.15 YUL | 111 |
|                     | A04.0.750.ME ST T      | 57 | A04.0070.12.30 GR | 122 | A04.1616              | 70  | A04.1810.13.22.10 YR  | 87  | A04.1820.10.42.15 YUR | 111 |
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|                     | A04.0.750.NC R         | 46 | A04.0070.16.30 GR | 122 | A04.1616.15 R         | 73  | A04.1812.10.27.03 YL  | 88  | A04.1820.15.42.03 YR  | 91  |
|                     | A04.0.750.S            | 70 | A04.0078.10.42 GL | 122 | A04.1616.G.100 L      | 69  | A04.1812.10.27.03 YR  | 88  | A04.1820.15.42.05 YL  | 91  |
|                     | A04.0010               | 40 | A04.0078.10.42 GR | 122 | A04.1616.G.100 R      | 69  | A04.1812.10.27.05 YL  | 88  | A04.1820.15.42.05 YR  | 91  |
|                     | A04.0010 L             | 47 | A04.0078.15.42 GL | 122 | A04.1804.04.10.05 YL  | 84  | A04.1812.10.27.05 YR  | 88  | A04.1820.15.42.15 JAR | 98  |
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|                     | A04.0010 T             | 47 | A04.0078.20.42 GL | 122 | A04.1804.04.10.10 YL  | 84  | A04.1812.10.27.15 YR  | 88  | A04.1820.15.42.15 YR  | 91  |
|                     | A04.0010.NC L          | 46 | A04.0078.20.42 GR | 122 | A04.1804.04.10.10 YR  | 84  | A04.1812.10.27.15 YUL | 110 | A04.1820.15.42.15 YUL | 111 |
|                     | A04.0010.NC R          | 46 | A04.0078.25.42 GL | 122 | A04.1804.04.10.10 YUR | 108 | A04.1812.10.27.15 YUR | 110 | A04.1820.15.42.15 YUR | 111 |
|                     | A04.0012               | 40 | A04.0078.25.42 GR | 122 | A04.1804.06.10.05 YL  | 84  | A04.1812.15.27.05 YL  | 88  | A04.1820.20.42.03 YL  | 91  |
| simturn OA          | A04.0012 T             | 48 | A04.00C3.00.ME T  | 64  | A04.1804.06.10.05 YR  | 84  | A04.1812.15.27.05 YR  | 88  | A04.1820.20.42.03 YR  | 91  |
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| A05.0023               | 41  | A05.0117.30.52 GR      | 123 | A05.1212.20 L          | 74  | A05.2025.10.52.20 YR   | 114 | A05.VD20.ME T          | 65  |
| A05.0023.ME ST T       | 58  | A05.0117.35.52 GL      | 123 | A05.1212.20 R          | 74  | A05.2025.15.52.20 YL   | 114 | A05.VD25.ME T          | 65  |
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| A05.0025.30.52.20 YER  | 104 | A05.0150.35.52 GL      | 124 | A05.1825.10.52.20 YUR  | 112 | A05.3225.25.52.15 YR   | 115 | A06.0.625.ME ST T      | 59  |
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Allgemeine Informationen zu den empfohlenen Schnittparametern  
General information about the cutting parameters recommendations

Alle angegebenen Vorschubs- und Schnittgeschwindigkeitswerte sind als allgemeine Startwerte bei mittleren Bedingungen zu verstehen.

The given cutting parameters for speed and feed rates are meant as initial start values and are estimated for standard application conditions.

Die optimalsten Werte sind von verschiedensten Faktoren (bspw. Maschinenbedingungen) abhängig und können je nach Gesamtsituation über oder unter diesen Startwerten liegen.

The best parameters depend on a wide variety of machine, workpiece and tool related conditions, for example the general machine condition, and can be above or below the given start values.

Beispielhafte Einflussfaktoren und deren Auswirkung auf die Schnittparameter  
Example factors of influence and their effect on the cutting parameters

Werte verringern // Reduce values

Werte erhöhen // Increase values

|                                                                                         |                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Schwierige Maschinen- und Spannbedingungen<br>Difficult machine and clamping conditions | Stabile Maschinen- und Spannbedingungen<br>Solid machine and clamping conditions |
| Schwer zerspanbare Materialien<br>Difficult to machine materials                        | Leicht zerspanbare Materialien<br>Easy to machine materials                      |
| Hohe Auskragung (L2)<br>Long tool reach (L2)                                            | Kurze Auskragung (L2)<br>Small tool reach (L2)                                   |
| Ohne Spanformgeometrie<br>No chip form geometry                                         | Mit Spanformgeometrie<br>With chip form geometry                                 |

Auflistung nicht vollständig // List not complete

Eignung der Schneidstoffe im Bezug zur Werkstückstoffhärte  
Suitability of cutting grades in relation to work piece hardness

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Schneidstoff<br>Grade | Empfohlen bis ca.<br>Recommended up to approx.        |
| X8*                   | HRC52                                                 |
| X5*                   | HRC62                                                 |
| CBN                   | HRC65 (Je nach Anwendung // Depending on application) |

# Schnittgeschwindigkeiten

## Cutting Speed Recommendation

Start\*



\*Der angegebene „Start“-Wert ist ein Ausgangspunkt und kann je nach individuellen Bearbeitungspräferenzen erhöht oder verringert werden. // The provided „Start“-value is a starting point and could be increased or decreased according to individual machining preferences.

| ISO-Gruppe<br>ISO-group | Empfohlener<br>Schmelzstoff <sup>(*)</sup><br>Recommended<br>Cutting Grade | Werkstückstoff<br>Work piece material                                                                             | Untergruppe<br>Sub-group                                                                      | Alternativer<br>Schmelzstoff <sup>(*)</sup><br>Alternative<br>cutting grade | Vc m/min<br>(Start) |
|-------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
| P                       | X8*                                                                        | Stahl, unlegiert<br><i>Steel, unalloyed</i>                                                                       | ≤ 0,15 % C                                                                                    | X4* / X6*                                                                   | 230                 |
|                         |                                                                            |                                                                                                                   | 0,15 - 0,4 % C                                                                                | X4* / X6*                                                                   | 210                 |
|                         |                                                                            |                                                                                                                   | ≥ 0,4 % C                                                                                     | X4* / X6*                                                                   | 200                 |
|                         |                                                                            |                                                                                                                   | 0,6 % C                                                                                       | X4* / X6*                                                                   | 180                 |
|                         |                                                                            | Automatenstahl<br><i>Free cutting steel</i>                                                                       |                                                                                               | X4* / X6*                                                                   | 180                 |
|                         |                                                                            | Stahl, niedriglegiert<br>(Legierungsanteil ≤ 5%)<br><i>Steel, low alloyed<br/>(alloying elements ≤ 5%)</i>        | Nicht gehärtet, gegläht<br><i>Non-hardened, annealed</i>                                      | X4* / X6*                                                                   | 170                 |
|                         |                                                                            |                                                                                                                   | Vergütet<br><i>Hardened</i>                                                                   | X4* / X6*                                                                   | 155                 |
|                         |                                                                            | Stahl, hochlegiert<br>(Legierungsanteil > 5%)<br><i>Steel, high alloyed<br/>(Alloying elements &gt; 5%)</i>       | Geglüht<br><i>Annealed</i>                                                                    | X4* / X6*                                                                   | 160                 |
|                         |                                                                            |                                                                                                                   | Vergütet<br><i>Hardened</i>                                                                   | X4* / X6*                                                                   | 150                 |
|                         |                                                                            | Stahlguss<br><i>Castings</i>                                                                                      | Unlegiert<br><i>Unalloyed</i>                                                                 | X4* / X6*                                                                   | 160                 |
|                         |                                                                            |                                                                                                                   | Niedriglegiert<br>(Legierungsanteil ≤ 5%)<br><i>Low alloyed<br/>(Alloying elements ≤ 5%)</i>  | X4* / X6*                                                                   | 175                 |
|                         |                                                                            |                                                                                                                   | Hochlegiert<br>(Legierungsanteil > 5%)<br><i>High alloyed<br/>(Alloying elements &gt; 5%)</i> | X4* / X6*                                                                   | 130                 |
|                         |                                                                            | Sinterstahl<br><i>Sintered steel</i>                                                                              |                                                                                               | X4* / X6*                                                                   | 180                 |
| M                       | X4* / X6*                                                                  | Rostfreier Stahl<br>Ferritisch/Martensitisch<br><i>Stainless Steel<br/>Ferritic/Martensitic</i>                   | Nicht gehärtet<br><i>Non-hardened</i>                                                         | X5*                                                                         | 150                 |
|                         |                                                                            |                                                                                                                   | PH-gehärtet<br><i>PH-hardened</i>                                                             | X5*                                                                         | 110                 |
|                         |                                                                            |                                                                                                                   | Gehärtet<br><i>Hardened</i>                                                                   | X5*                                                                         | 110                 |
|                         |                                                                            | Rostfreier Stahl<br>Austenitisch<br><i>Stainless Steel<br/>Austenitic</i>                                         | Austenitisch<br><i>Austenitic</i>                                                             | X5*                                                                         | 170                 |
|                         |                                                                            |                                                                                                                   | PH-gehärtet<br><i>PH-hardened</i>                                                             | X5*                                                                         | 100                 |
|                         |                                                                            |                                                                                                                   | Superaustenitisch<br><i>Super Austenitic</i>                                                  | X5*                                                                         | 130                 |
|                         |                                                                            | Rostfreier Stahl<br>Austenitisch-Ferritisch (Duplex)<br><i>Stainless Steel<br/>Austenitic-ferritic (Duplex)</i>   | Nicht Schweißbar ≥ 0,05 % C<br><i>Non-weldable ≥ 0,05 % C</i>                                 | X5*                                                                         | 140                 |
|                         |                                                                            |                                                                                                                   | Schweißbar < 0,05 % C<br><i>Weldable &lt; 0,05 % C</i>                                        | X5*                                                                         | 105                 |
|                         |                                                                            | Rostfreier Stahl (gegossen)<br>Ferritisch/martensitisch<br><i>Stainless Steel (Cast)<br/>Ferritic/martensitic</i> | Nicht gehärtet<br><i>Non-hardened</i>                                                         | X5*                                                                         | 130                 |
|                         |                                                                            |                                                                                                                   | PH-gehärtet<br><i>PH-hardened</i>                                                             | X5*                                                                         | 90                  |
|                         |                                                                            |                                                                                                                   | Gehärtet<br><i>Hardened</i>                                                                   | X5*                                                                         | 100                 |

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## Info

# Schnittgeschwindigkeiten

## Cutting Speed Recommendation

Start\*



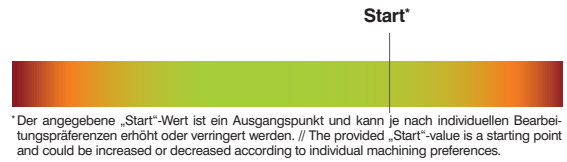
\* Der angegebene „Start“-Wert ist ein Ausgangspunkt und kann je nach individuellen Bearbeitungspräferenzen erhöht oder verringert werden. // The provided „Start“-value is a starting point and could be increased or decreased according to individual machining preferences.

| ISO-Gruppe<br>ISO-group | Empfohlener<br>Schneldstoff <sup>(2)</sup><br>Recommended<br>Cutting Grade | Werkstückstoff<br>Work piece material                                                                                     | Untergruppe<br>Sub-group                                                                                        | Alternativer<br>Schneldstoff <sup>(2)</sup><br>Alternative<br>cutting grade | Vc m/min<br>(Start) |
|-------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
| M                       | X4* / X6*                                                                  | Rostfreier Stahl (gegossen)<br>Austenitisch<br>Stainless Steel (Cast)<br>Austenitic                                       | Austenitisch<br>Austenitic                                                                                      | X5*                                                                         | 130                 |
|                         |                                                                            |                                                                                                                           | PH-gehärtet<br>PH-gehärtet                                                                                      | X5*                                                                         | 95                  |
|                         |                                                                            | Rostfreier Stahl (gegossen)<br>Austenitisch-Ferritisch (Duplex)<br>Stainless Steel (Cast)<br>Austenitic-ferritic (Duplex) | Nicht schweißbar $\geq 0,05\% \text{ C}$<br>Non-weldable $\geq 0,05\% \text{ C}$                                | X5*                                                                         | 125                 |
|                         |                                                                            |                                                                                                                           | Schweißbar $< 0,05\% \text{ C}$<br>Weldable $< 0,05\% \text{ C}$                                                | X5*                                                                         | 100                 |
| K                       |                                                                            | Temperguß<br>Malleable                                                                                                    | Ferritisch (kurzspanend)<br>Ferritic (short chipping)                                                           | X4* / X6*                                                                   | 175                 |
|                         |                                                                            |                                                                                                                           | Perlitisch (langspanend)<br>Pearlitic (long chipping)                                                           | X4* / X6*                                                                   | 150                 |
|                         | X8*                                                                        | Grauguß<br>Grey Cast Iron                                                                                                 | Niedrige Festigkeit<br>Low tensile strength                                                                     | X4* / X6*                                                                   | 160                 |
|                         |                                                                            |                                                                                                                           | Hohe Festigkeit<br>High tensile strength                                                                        | X4* / X6*                                                                   | 130                 |
|                         |                                                                            | Kugelgraphitguß<br>Spheroidal Graphite cast iron                                                                          | Ferritisch<br>Ferritic                                                                                          | X4* / X6*                                                                   | 140                 |
|                         |                                                                            |                                                                                                                           | Perlitisch<br>Pearlitic                                                                                         | X4* / X6*                                                                   | 130                 |
|                         |                                                                            |                                                                                                                           | Martensitisch<br>Martensitic                                                                                    | X4* / X6*                                                                   | 75                  |
|                         | N                                                                          | Aluminiumlegierung,<br>geschmiedet<br>Aluminium alloys,<br>Whrought                                                       | Nicht aushärtbar<br>Can not be hardened                                                                         | X1*                                                                         | 700                 |
|                         |                                                                            |                                                                                                                           | Aushärtbar, Gehärtet<br>Can be hardened, hardened                                                               | X1*                                                                         | 300                 |
|                         |                                                                            | Aluminiumlegierung,<br>gegossen<br>Aluminium alloys,<br>Cast                                                              | Nicht aushärtbar<br>Can not be hardened                                                                         | X1*                                                                         | 590                 |
|                         |                                                                            |                                                                                                                           | Aushärtbar, Gehärtet<br>Can be hardened, hardened                                                               | X1*                                                                         | 200                 |
|                         |                                                                            | Aluminiumlegierung,<br>gegossen<br>Aluminium alloys,<br>Cast                                                              | $< 5\% \text{ Si}$                                                                                              | X1*                                                                         | 290                 |
|                         |                                                                            |                                                                                                                           | 5 - 12 % Si                                                                                                     | GM17                                                                        | 180 / PKD 350       |
|                         |                                                                            |                                                                                                                           | $> 12\% \text{ Si}$                                                                                             | PKD / CVD                                                                   | 150 / PKD 330       |
|                         |                                                                            | Kupfer- und Kupferlegierung<br>Copper- and Copper Alloys                                                                  | Automatenlegierung, $\geq 1\% \text{ Pb}$<br>Free Cutting Alloys, $\geq 1\% \text{ Pb}$                         | X1*                                                                         | 330                 |
|                         |                                                                            |                                                                                                                           | Messing, Bleilegierung $\leq 1\% \text{ Pb}$<br>Brass, leaded bronzes, $\leq 1\% \text{ Pb}$                    | X1*                                                                         | 300                 |
|                         |                                                                            |                                                                                                                           | Bronze, bleifreies Kupfer<br>einschl. Elektrolytkupfer<br>Bronze, lead-free copper<br>incl. electrolytic copper | X1*                                                                         | 200                 |

Für eine bessere Spankontrolle empfehlen wir den Einsatz von gelaserten Spanformgeometrien.  
We recommend the use of lasered chip forming geometries for better chip control.

Info

# Schnittgeschwindigkeiten Cutting Speed Recommendation



| ISO-Gruppe<br>ISO-group | Empfohlener<br>Schneidstoff <sup>(a)</sup><br>Recommended<br>Cutting Grade | Werkstückstoff<br>Work piece material                                                       | Untergruppe<br>Sub-group                                                                                                                                                            | Alternativer<br>Schneidstoff <sup>(a)</sup><br>Alternative<br>cutting grade | Vc m/min<br>(Start) |
|-------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
| S                       | *X79                                                                       | Warmfeste Superlegierungen<br>Fe-basiert<br><i>Heat-resistant super alloys<br/>Fe-based</i> | Geglüht<br>oder lösungsbehandelt<br><i>Annealed<br/>or solution treated</i>                                                                                                         |                                                                             | 60                  |
|                         |                                                                            |                                                                                             | Ausgehärtet oder<br>lösungsbehandelt und ausgehärtet<br><i>Aged or<br/>solution treated and aged</i>                                                                                |                                                                             | 40                  |
|                         |                                                                            | Warmfeste Superlegierungen<br>Ni-basiert<br><i>Heat-resistant super alloys<br/>Ni-based</i> | Geglüht<br>oder lösungsbehandelt<br><i>Annealed<br/>or solution treated</i>                                                                                                         |                                                                             | 40                  |
|                         |                                                                            |                                                                                             | Ausgehärtet oder<br>lösungsbehandelt und ausgehärtet<br><i>Aged or<br/>solution treated and aged</i>                                                                                |                                                                             | 30                  |
|                         |                                                                            |                                                                                             | Gegossen oder<br>gegossen und ausgehärtet<br><i>Cast or<br/>Cast and aged</i>                                                                                                       |                                                                             | 30                  |
|                         |                                                                            | Warmfeste Superlegierungen<br>Co-basiert<br><i>Heat-resistant super alloys<br/>Co-based</i> | Geglüht oder<br>lösungsbehandelt<br><i>Annealed or<br/>solution treated</i>                                                                                                         |                                                                             | 55                  |
|                         |                                                                            |                                                                                             | Lösungsbehandelt und<br>ausgehärtet<br><i>Solution treated and<br/>aged</i>                                                                                                         |                                                                             | 45                  |
|                         |                                                                            |                                                                                             | Gegossen oder<br>gegossen und ausgehärtet<br><i>Cast or<br/>Cast and aged</i>                                                                                                       |                                                                             | 35                  |
|                         |                                                                            | Titan<br><i>Titanium</i>                                                                    | Handelsüblich rein (99,5 % Ti)<br><i>Commercial pure (99,5 % Ti)</i>                                                                                                                |                                                                             | 70                  |
|                         |                                                                            | Titanlegierung<br><i>Titanium Alloys</i>                                                    | α, ähnlich α und α + β Legierungen,<br>geglüht<br><i>α, near α and α + β alloys,<br/>annealed</i>                                                                                   |                                                                             | 60                  |
|                         |                                                                            |                                                                                             | α+β Legierungen in ausgehärtetem<br>Zustand sowie β Legierungen.<br>Geglüht oder ausgehärtet<br><i>α+β Alloys in aged conditions<br/>as well as β alloys.<br/>Annealed or aged.</i> |                                                                             | 60                  |
| H                       | X5 *                                                                       | Hochvergütete und gehärtete Stähle<br><i>Highly tempered and hardened steel</i>             | 50-55 HRC                                                                                                                                                                           |                                                                             | 50                  |
|                         |                                                                            |                                                                                             | 55-58 HRC                                                                                                                                                                           |                                                                             | 45                  |
|                         | CBN <sup>1</sup>                                                           |                                                                                             | Ab 55 HRC                                                                                                                                                                           |                                                                             | 120                 |

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## Info

# Schnittgeschwindigkeiten

## Cutting Speed Recommendation

Start\*



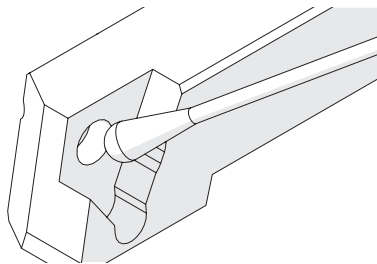
\*Der angegebene „Start“-Wert ist ein Ausgangspunkt und kann je nach individuellen Bearbeitungspräferenzen erhöht oder verringert werden. // The provided „Start“-value is a starting point and could be increased or decreased according to individual machining preferences.

| ISO-Gruppe<br>ISO-Group | Empfohlener<br>Schneidstoff <sup>(2)</sup><br>Recommended<br>Cutting Grade | Werkstückstoff<br>Work piece material                                        | Untergruppe<br>Sub-group | Alternativer<br>Schneidstoff <sup>(2)</sup><br>Alternative<br>cutting grade | Vc m/min<br>(Start) |
|-------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------|---------------------|
| O                       | X4* / PKD                                                                  | Unverstärkte Thermoplaste<br><i>Unamplified Thermoplastics</i>               |                          |                                                                             | 200                 |
|                         |                                                                            | Duroplaste<br><i>Thermosets</i>                                              |                          |                                                                             | 120                 |
|                         |                                                                            | Kunststoffe glasfaserverstärkt<br><i>Plastics glass fibre reinforced</i>     |                          |                                                                             | 210                 |
|                         |                                                                            | Kunststoffe Carbon faserverstärkt<br><i>Plastics carbon fibre reinforced</i> |                          |                                                                             | 190                 |
|                         |                                                                            | BR (Butadien-Kautschuk)<br><i>BR (Butadiene rubber)</i>                      |                          |                                                                             | 100                 |
|                         |                                                                            | POM (Polyoxymethylen)<br><i>POM (Polyoxymethylene)</i>                       |                          |                                                                             | 300                 |
|                         |                                                                            | PTFE (Polytetrafluorethylen)<br><i>PTFE (Polytetrafluoroethylene)</i>        |                          |                                                                             | 150                 |

<sup>1)</sup> Zusätzlich wird eine besondere Schneidengeometrie für beste Ergebnisse empfohlen.  
Bitte kontaktieren Sie im Bedarfsfall unseren technischen Support +49 7473 9517-140 oder support@simtek.com.  
For best results, a special cutting edge geometry is recommended here.  
Please contact our technical support +49 7473 9517-140 or support@simtek.com.

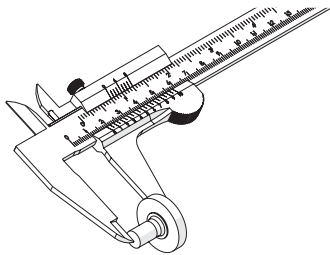
<sup>2)</sup> Schneidstoffempfehlung ist abhängig vom jeweiligen Schneidwerkzeug. Den passenden Schneidstoff entnehmen Sie bitte der jeweiligen Katalogseite des gewünschten Schneidwerkzeugs. // Recommendation depends on the chosen cutting inserts. Please look at the cutting grade recommendations on the catalog page of the cutting insert.

## Allgemeine Gebrauchshinweise General Instructions For Use



Bitte reinigen Sie den Plattensitz sorgfältig vor Gebrauch.

Please clean insert seat well before mounting and use.



Bitte prüfen Sie Ihre Werkstücke regelmäßig.

Please control your work pieces frequently.

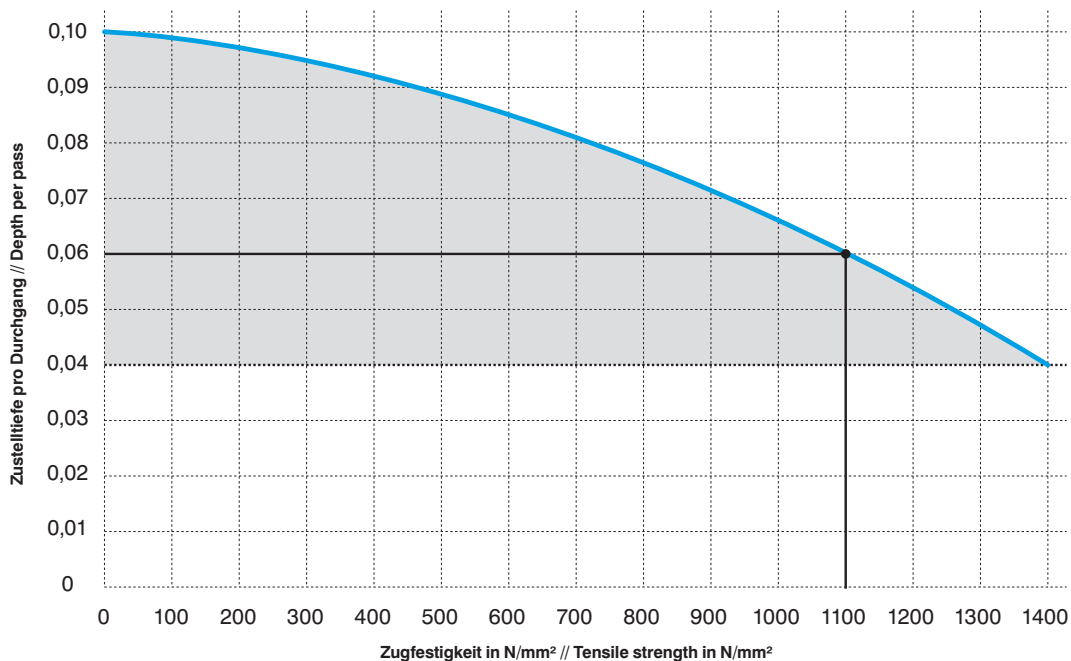


Wir empfehlen den Einsatz von Werkzeug-Voreinstellgeräten.

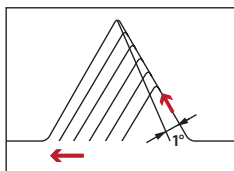
We recommend the use of tool presetting and measuring devices.

## Gewinden: Zustellung pro Durchgang in Abhängigkeit der Zugfestigkeit Threading: Infeed per pass in dependence of the tensile strength

Beispiel: Zustellung 0,06 mm/Durchgang bei 1100N/mm<sup>2</sup> Zugfestigkeit  
Example: Infeed 0,06 mm/ pass if tensile strength is 1100 N/mm<sup>2</sup>



### Unsere Empfehlung: Modifizierte einseitige Flankenzustellung Our recommendation: Modified one-sided flank infeed



Die modifizierte einseitige Flankenzustellung kann degressiv oder konstant, mit ein bis zwei abschließenden Schlichtschnitten, ausgeführt werden. Hierbei ist zu beachten, dass die kleinste Zustellung von 0,04mm nicht unterschritten werden sollte.

The modified one-sided flank infeed can be degressive or constant, with one or two final finishing cuts. Please note that the smallest infeed should not subceed 0,04mm