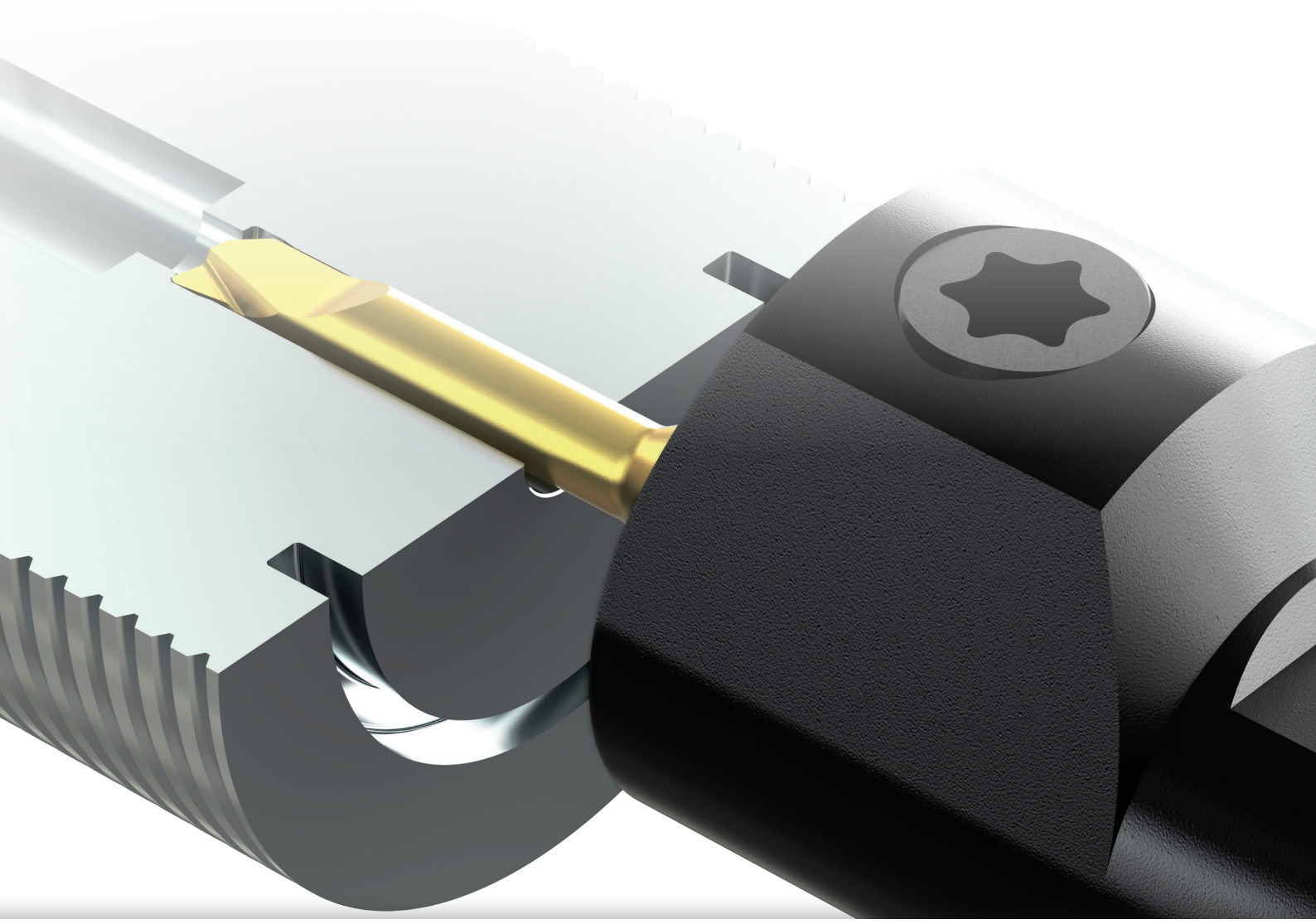
SIMTEK

Tools for
highest
expectations

Great **performance** in bores as of **Ø 0,3 mm (0.012").**



simturn AX

SIMTEK Small Part Machining Type AX

Part Catalog
R20 US-Edition

SIMTEK

Tools for
highest
expectations

Contact

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The Tool System Overview

Great **performance** in bores **as of Ø 0,3 mm (0.012“).**

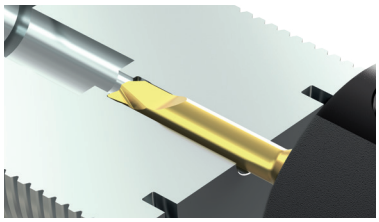
Choice of Applications

Boring · Copying · Profiling · Back Boring · Chamfering · Grooving · Threading · Face Grooving

Overview of all applications as of page 10

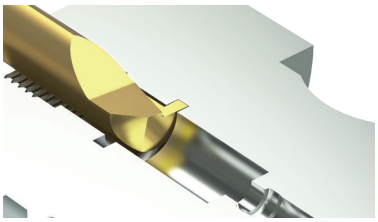
Main Applications

Boring



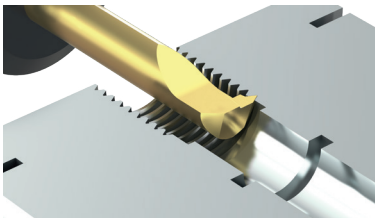
Boring applications as of bore diameter 0,3 mm (0.0012“). Available with different geometries as well as for hard part turning with CBN grades.

Grooving

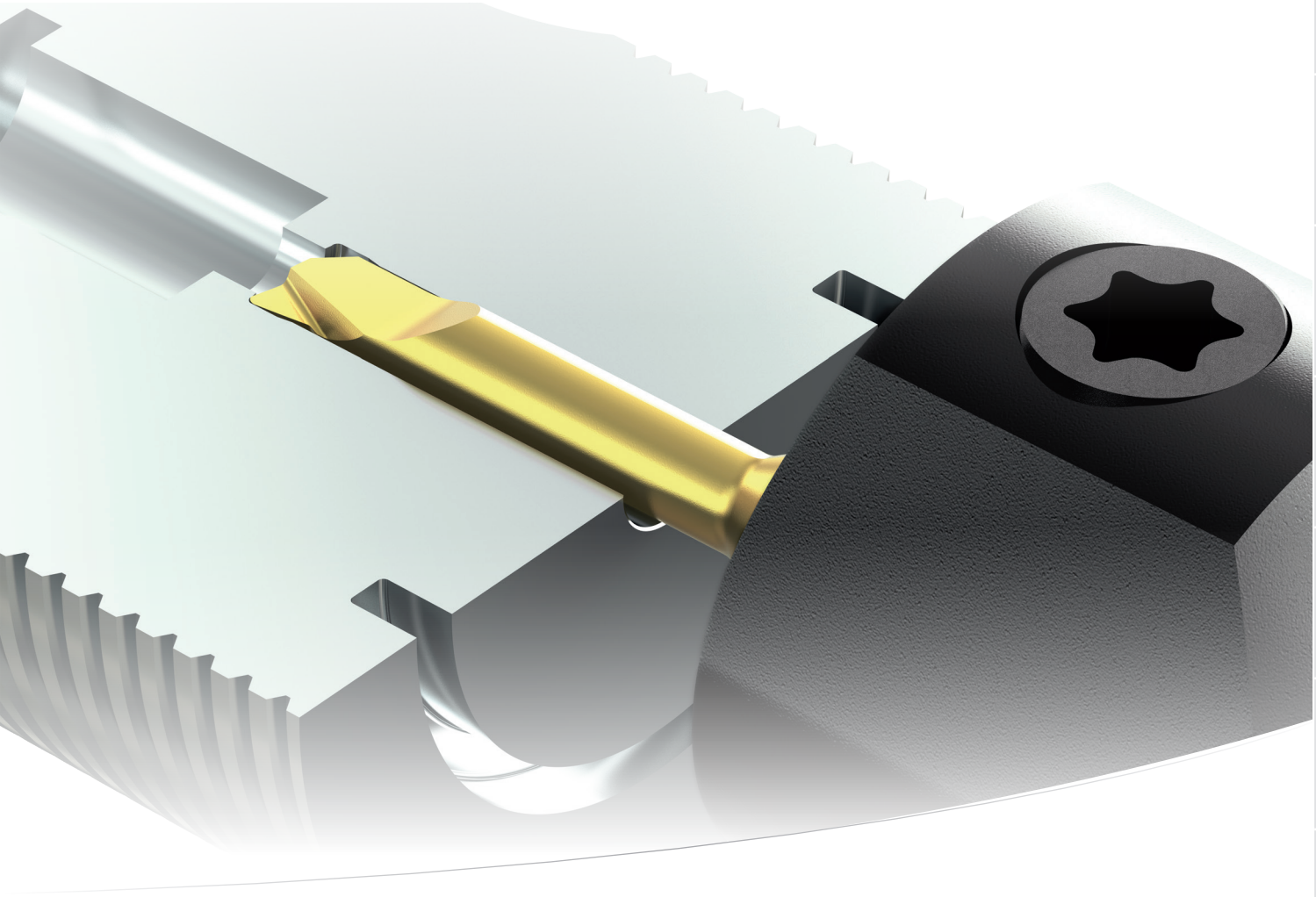


Grooving in bores as of minimum bore diameter 2,0 mm (0.008“). With different cutting edge widths, usable lengths as well as with full radius.

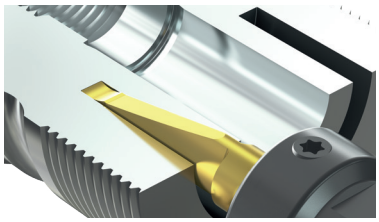
Threading



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

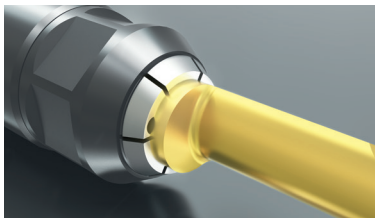


Face Grooving



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

ME-clamping system



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.

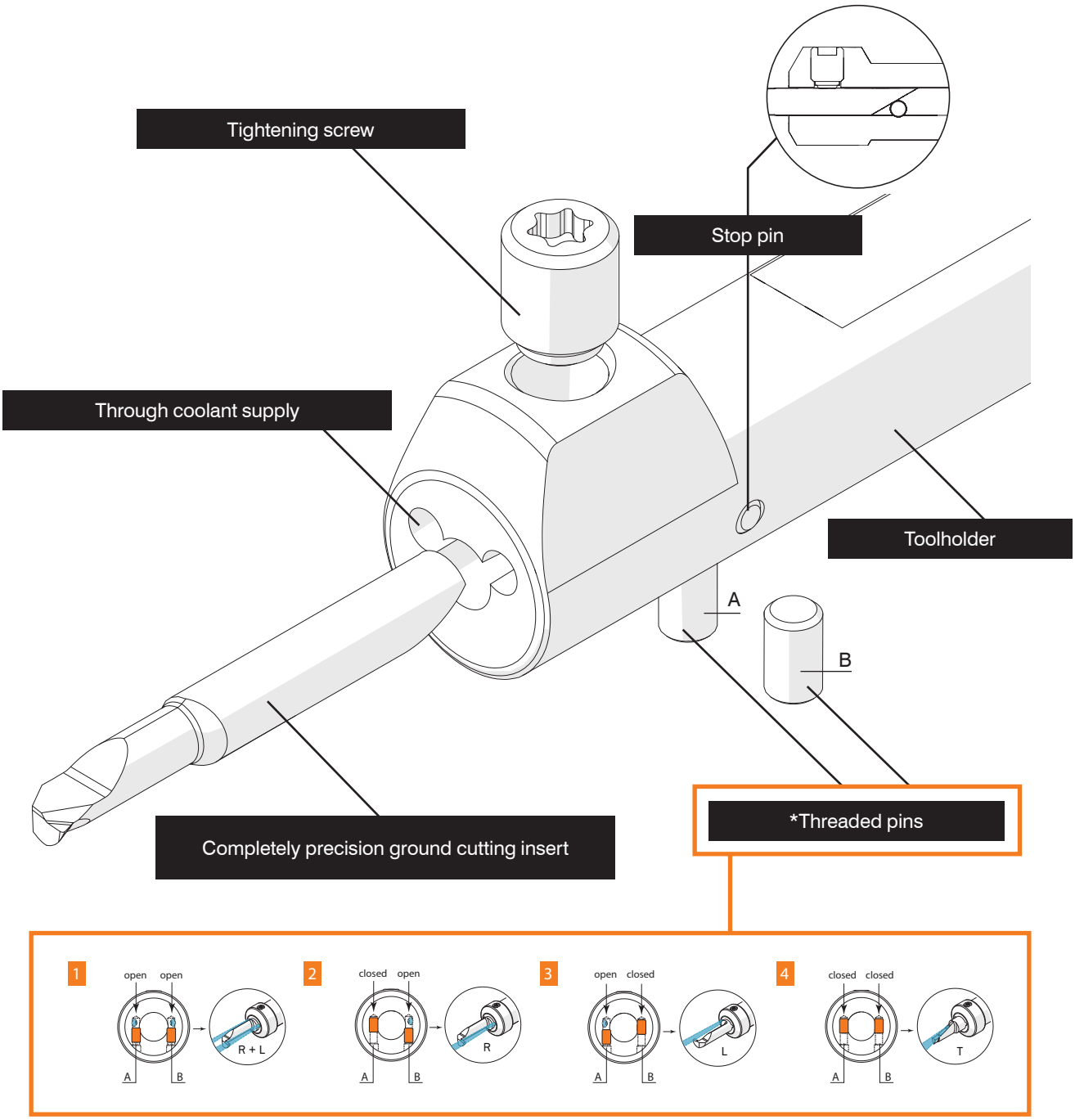
simtek individual

simtek individual

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.

The System Details

Please read the general instructions for use on page 137



*For adjusting the coolant supply individually on the following toolholders

A04...T as of ØDg6 12,0 mm / 0.472“
A05...T as of ØDg6 12,0 mm / 0.472“
A06...T, A07...T, A08...T, A10...T

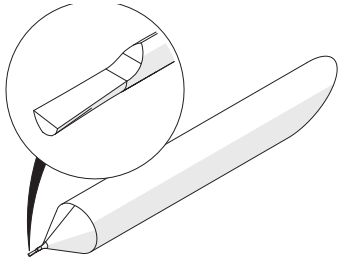
Hohe Wiederholgenauigkeit von Schneide zu Schneide und Auskraglängen bis zu 9xD!

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 (0.012“) up to 20,0 mm (0.787“).

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

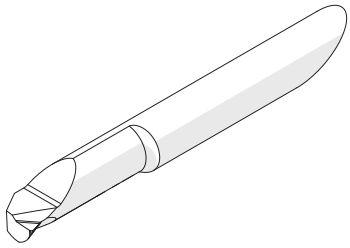
More than 3.000 Standard Items provide the right answer for almost every internal turning application.

A04



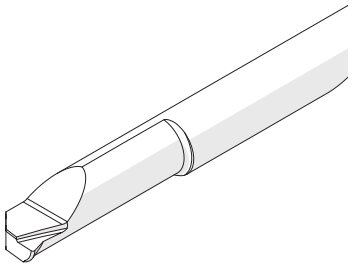
ØD mm/inch	ØDmin mm/inch	L2 mm/inch
4,0 0.157“	0,3 - 4,2 0.012“ - 0.165“	1,2 - 30,5 0.047“ - 1.201“

A05



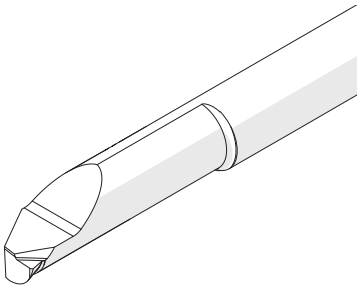
ØD mm/inch	ØDmin mm/inch	L2 mm/inch
5,0 0.197“	4,9 - 5,2 0.193“ - 0.205“	10,2 - 40,6 0.402“ - 1.598“

A06



ØD mm/inch	ØDmin mm/inch	L2 mm/inch
6,0 0.236“	5,9 - 6,2 0.232“ - 0.244“	15,2 - 40,6 0.598“ - 1.598“

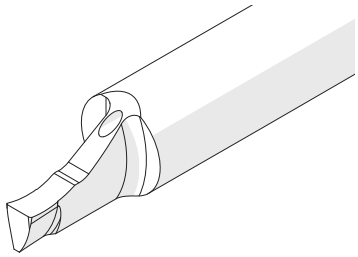
A07



ØD mm/inch	ØDmin mm/inch	L2 mm/inch
7,0 0.236“	7,2 0.283“	25,4 - 50,8 1.000“ - 2.000“

A08

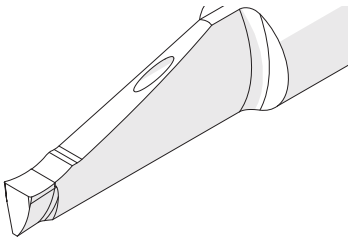
Face grooving



ØD mm/inch	ØDmin mm/inch	tmax mm/inch
8,0 0.315“	16,0 0.630“	10,0 - 15,0 0.394“ - 0.591“

A10

Face grooving



ØD mm/inch	ØDmin mm/inch	tmax mm/inch
10,0 0.394“	20,0 0.787“	20,0 - 30,0 0.787“ - 1.181“

ØD Connection diameter
ØDmin Suitable as of bore diameter
L2 Usable length
tmax Maximum cutting depth

Higher precision and stability with the new ME-clamping system

As of page 39

1 toolholder – 4 through coolant supplies

*German Patent No. 10 2014 111 898
*2 Registered utility model no. DE 20 2015 101 834.7

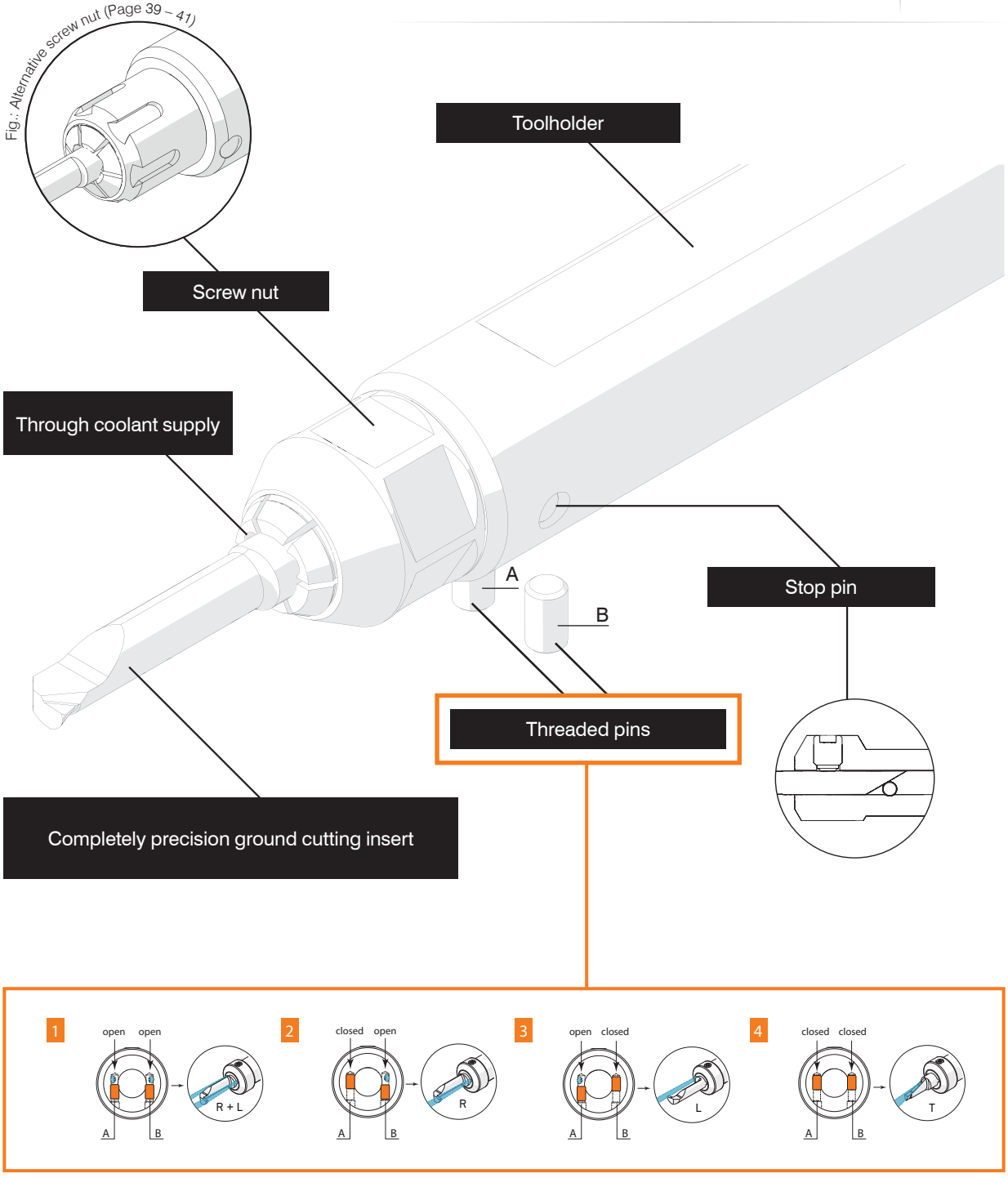
The new innovative ME-clamping system* provides force-fitted clamping along with higher precision and stability.

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

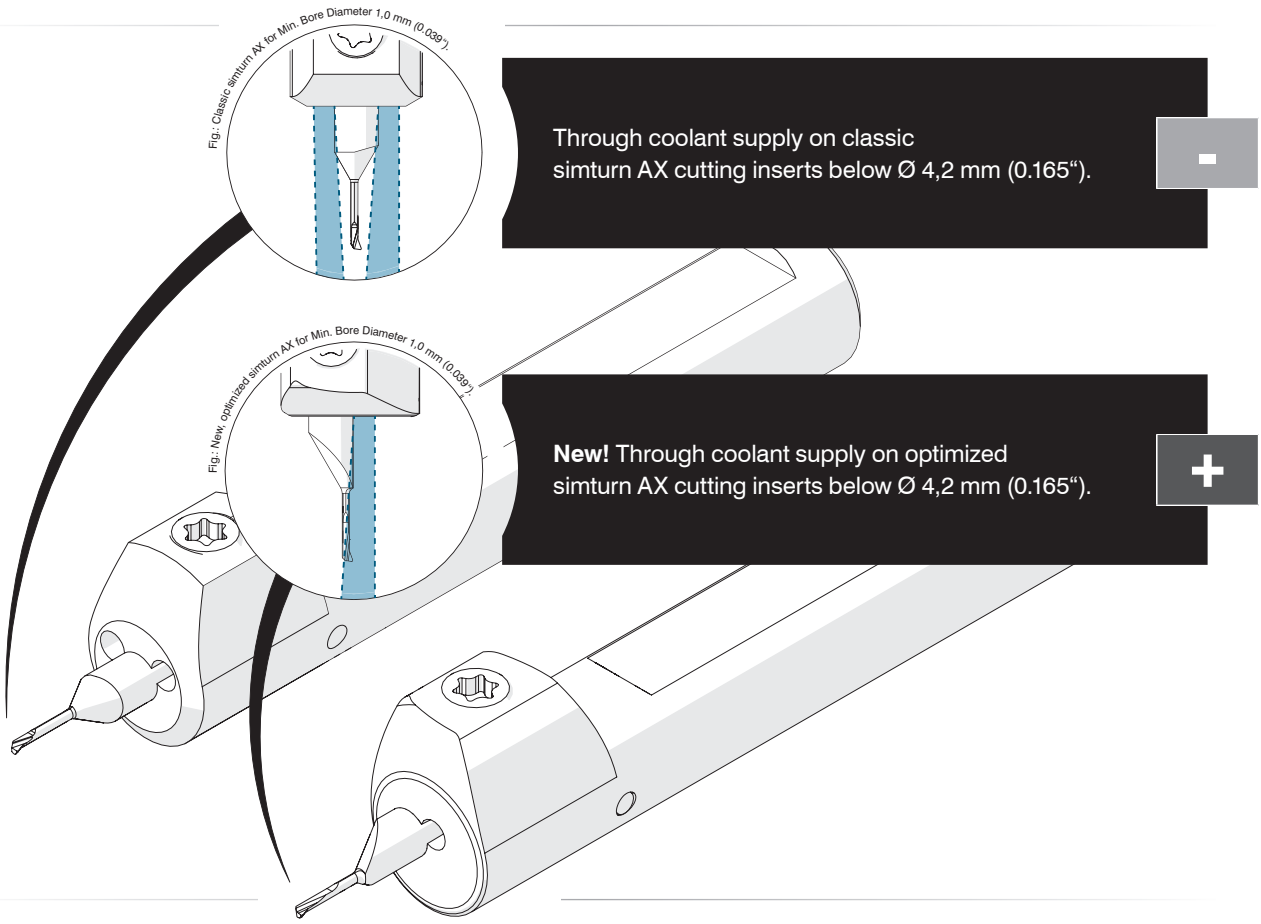
Thanks to adjustable threaded pins, four different types of coolant supply (R, L, R+L or supply through the insert) can individually be realized as required*2.

The ME-System Details

Please read the general instructions for use on page 137



Choose the Plus for improved Through Coolant Supply!

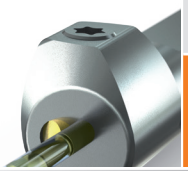


+ The classic cutting inserts - / ● and the new, optimized cutting inserts + are **fully compatible** to each other, meaning that each type of insert has a dedicated type of holder, but can be switched with each other.

+ 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.

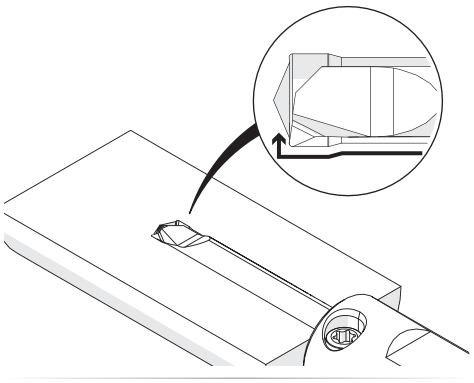
+ The classic cutting inserts for bore diameters below 2,0 mm are marked with a - sign. Our recommendation for these tools is, to rather use the new, optimized cutting inserts + for best through coolant supply.

+ 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.



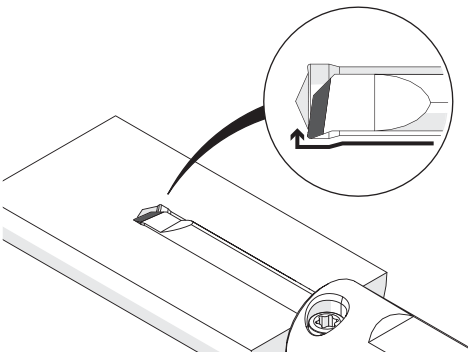
Standard Applications

As of Page 65



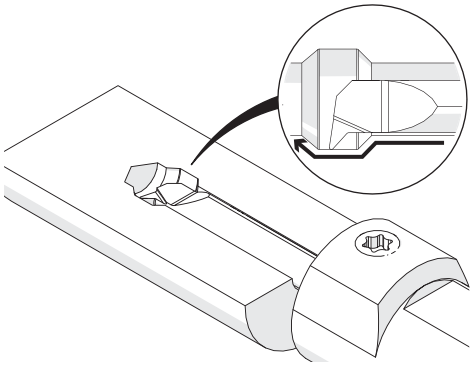
Boring

As of Page 82



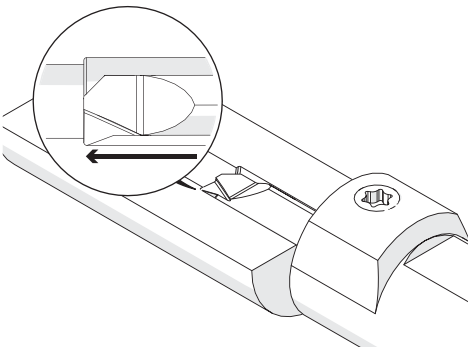
Boring, Hard Part Turning

Page 89



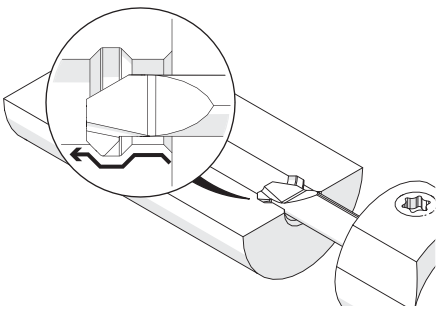
Copying and Profiling

Page 90



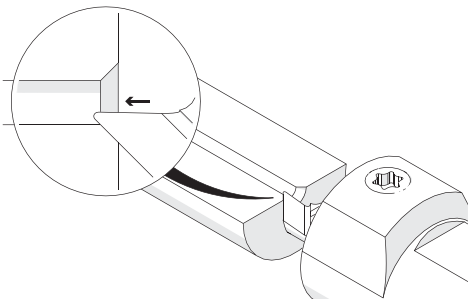
Boring

Page 91



Boring and Chamfering

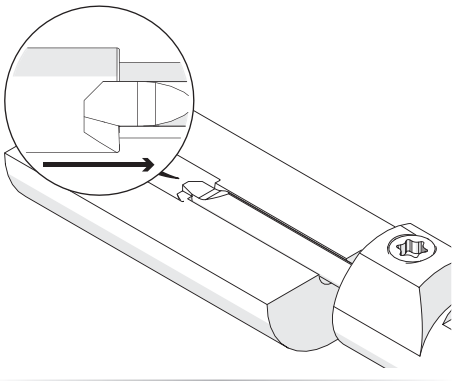
Page 92



Chamfering

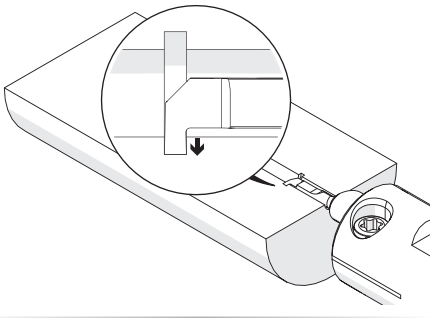
Standard Applications

Page 93



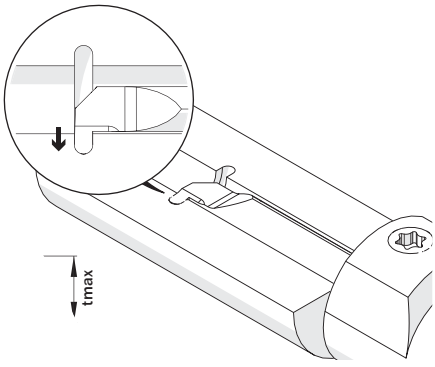
Back Boring

As of Page 95



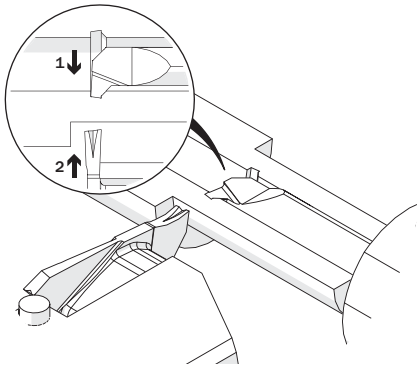
Grooving

Page 106



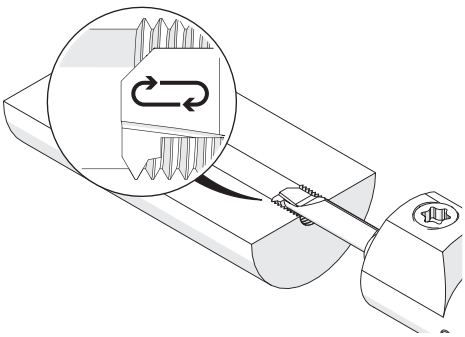
Full Radius Grooving

Page 107



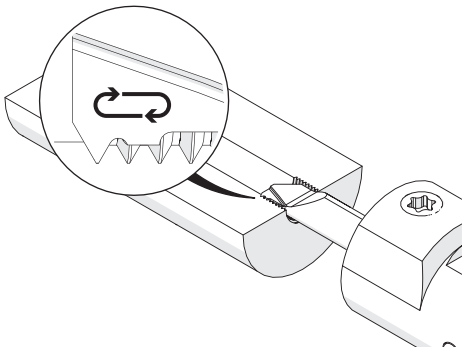
Pre-Part Off and Chamfering

As of Page 108



Threading: Metric ISO Partial Profile

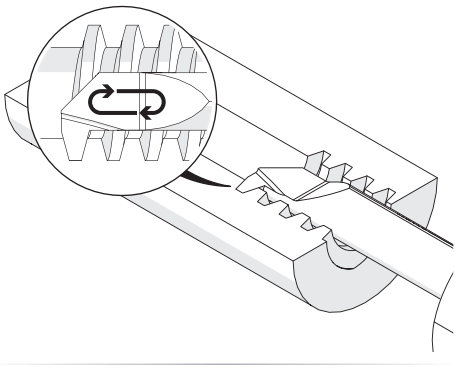
Page 110



Threading: Metric ISO Full Profile

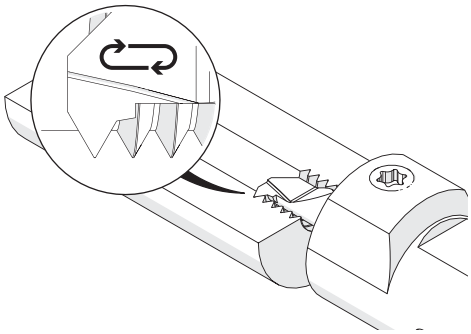
Standard Applications

Page 111



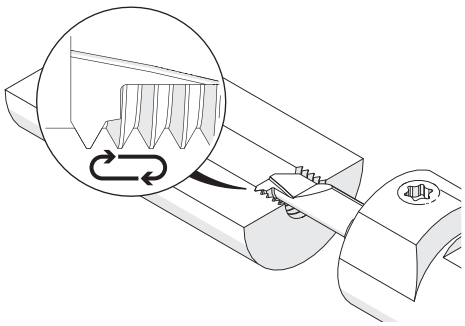
Threading: Trapezoidal Thread, Partial Profile

Page 112



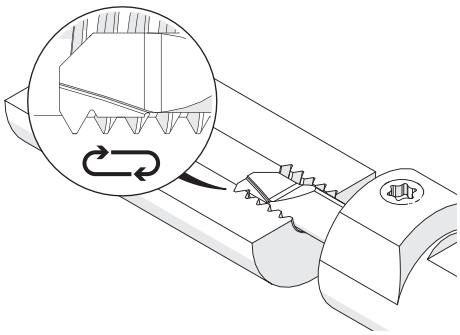
Threading: NPT, Partial Profile

Page 113



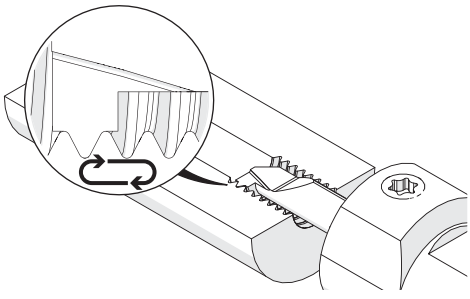
Threading: UN, Partial Profile

Page 114



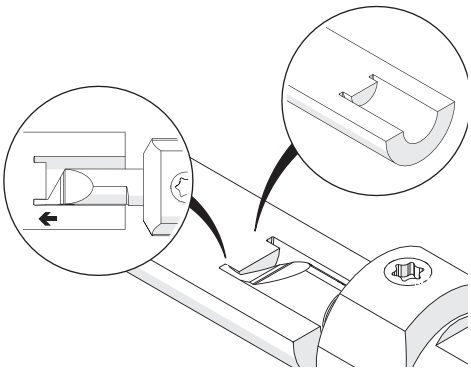
Threading: UNC / UNF, Full Profile

Page 115



Threading: Whitworth, Full Profile

As of Page 116



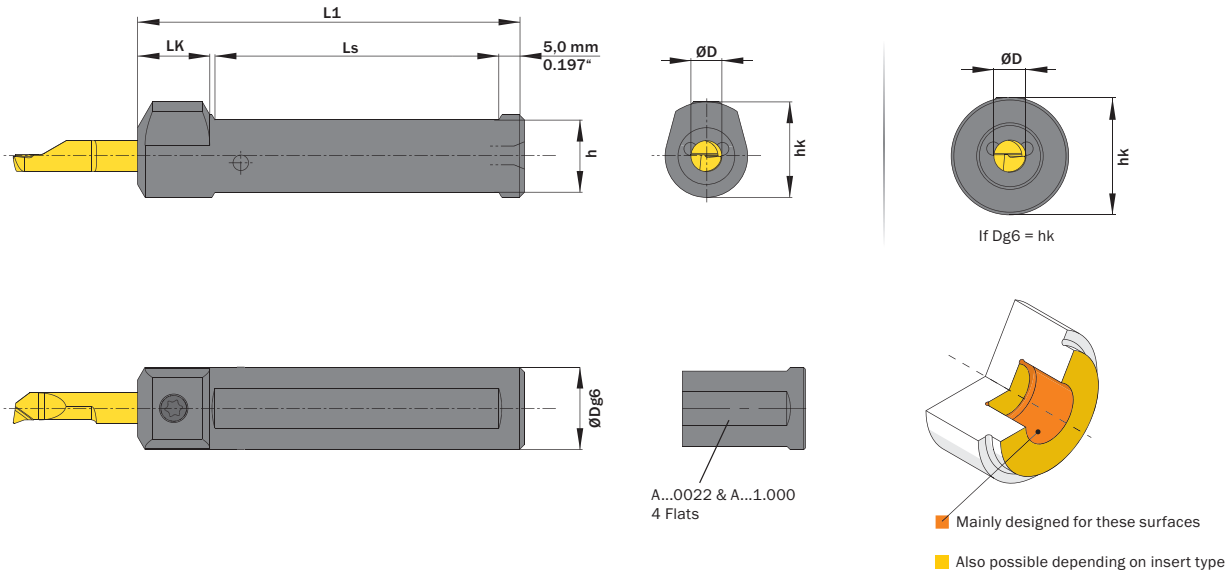
Face Grooving

Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A04.

Tightening torque (screw)
7,0 Nm
Please read add. notes
MASTER (Page 124)
TW ST Legend **126**
Scan QR-Code Or Visit **www.simtek.info/cp/746**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
4,0	10,0	**A04.0010**	AE46	8,0	14,5	65,0	14,0	45,0	2	A M6x7,5 T15F	T15F	A04.L|A04.R	
4,0	12,0	**A04.0012**	AE0X	10,0	15,5	70,0	14,0	50,0	2	A M6x7,5 T15F	T15F	A04.L|A04.R	
0.157“	0.500“	**A04.0.500**	AB2J	0.421“	0.624“	2.756“	0.551“	1.969“	2	A M6x7,5 T15F	T15F	A04.L|A04.R	inch
0.157“	0.625“	**A04.0.625**	ACVJ	0.546“	0.687“	2.953“	0.551“	2.165“	2	A M6x7,5 T15F	T15F	A04.L|A04.R	inch
4,0	16,0	**A04.0016**	AF2K	14,0	17,5	75,0	14,0	55,0	2	A M6x7,5 T15F	T15F	A04.L|A04.R	
0.157“	0.750“	**A04.0.750**	AJ4A	0.671“	0.750“	4.331“	0.551“	3.543“	2	A M6x7,5 T15F	T15F	A04.L|A04.R	inch
4,0	20,0	**A04.0020**	AC6Y	18,0	20,0	90,0	14,0	70,0	2	A M6x7,5 T15F	T15F	A04.L|A04.R	
4,0	22,0	**A04.0022**	AD0V	20,0	22,0	110,0	-	90,0	4	A M6x7,5 T15F	T15F	A04.L|A04.R	
4,0	23,0	**A04.0023**	ANU4	21,0	23,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A04.L|A04.R	
4,0	25,0	**A04.0025**	ACAS	23,0	25,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A04.L|A04.R	
0.157“	1.000“	**A04.1.000**	AJWG	0.921“	1.000“	4.331“	-	3.543“	4	A M6x7,5 T15F	T15F	A04.L|A04.R	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A04.0016**

Toolholder, Internal Applications, Round Shank, „ME“

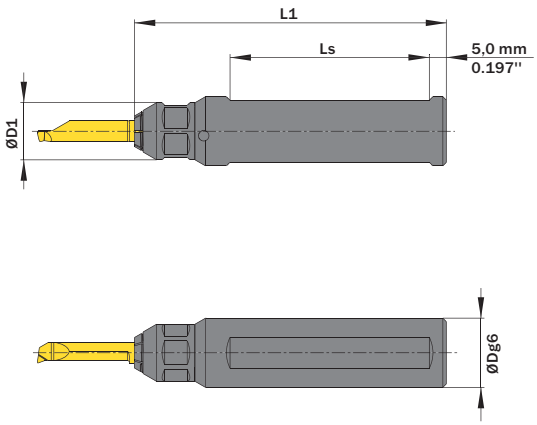
Steel round shank, equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. with through coolant.

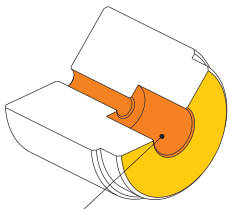
Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend | 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1265**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Mainly designed for these Surfaces

Also possible depending on insert type

ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
4,0	12,0	**A04.0012.ME IC**	A1ZP	14,5	70,0	42,0	A00.K.14.12.88	A04T	
0.157“	0.500“	**A04.0.500.ME IC**	A1ZK	0.571“	2.756“	1.654“	A00.K.14.12.88	A04T	inch
0.157“	0.625“	**A04.0.625.ME IC**	A1ZM	0.571“	2.953“	1.850“	A00.K.14.12.88	A04T	inch
4,0	16,0	**A04.0016.ME IC**	A1ZQ	14,5	75,0	47,0	A00.K.14.12.88	A04T	
4,0	20,0	**A04.0020.ME IC**	A1ZS	14,5	90,0	58,0	A00.K.14.12.88	A04T	
4,0	22,0	**A04.0022.ME IC**	A1ZT	14,5	110,0	78,0	A00.K.14.12.88	A04T	
4,0	25,0	**A04.0025.ME IC**	A1ZU	14,5	110,0	80,0	A00.K.14.12.88	A04T	
0.157“	1.000“	**A04.1.000.ME IC**	A1ZV	0.571“	4.331“	3.150“	A00.K.14.12.88	A04T	inch

Order example: **A04.0020.ME IC**

Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A05.

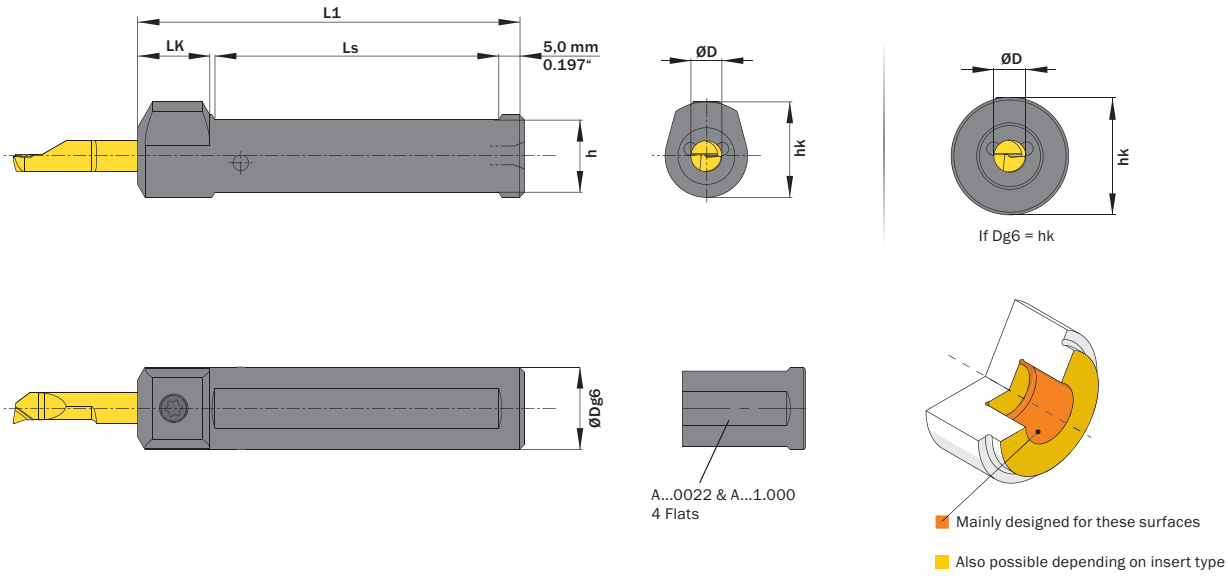
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan QR-Code | Or Visit **www.simtek.info/cp/782**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**											
5,0	10,0	**A05.0010**	ABMY	8,0	15,0	65,0	14,0	45,0	2	A M6x7,5 T15F	T15F	A05.L|A05.R	
5,0	12,0	**A05.0012**	AEA9	10,0	16,0	70,0	14,0	50,0	2	A M6x7,5 T15F	T15F	A05.L|A05.R	
0.197“	0.500“	**A05.0.500**	AHQV	0.421“	0.644“	2.756“	0.551“	1.969“	2	A M6x7,5 T15F	T15F	A05.L|A05.R	inch
0.197“	0.625“	**A05.0.625**	AGG2	0.546“	0.706“	2.953“	0.551“	2.165“	2	A M6x7,5 T15F	T15F	A05.L|A05.R	inch
5,0	16,0	**A05.0016**	AEGF	14,0	18,0	75,0	14,0	55,0	2	A M6x7,5 T15F	T15F	A05.L|A05.R	
0.197“	0.750“	**A05.0.750**	AAF8	0.671“	0.750“	4.331“	0.551“	3.543“	2	A M6x7,5 T15F	T15F	A05.L|A05.R	inch
5,0	20,0	**A05.0020**	ABDK	18,0	20,0	90,0	14,0	70,0	2	A M6x7,5 T15F	T15F	A05.L|A05.R	
5,0	22,0	**A05.0022**	AG78	20,0	22,0	110,0	-	90,0	4	A M6x7,5 T15F	T15F	A05.L|A05.R	
5,0	23,0	**A05.0023**	AGZX	21,0	23,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A05.L|A05.R	
5,0	25,0	**A05.0025**	AMVA	23,0	25,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A05.L|A05.R	
0.197“	1.000“	**A05.1.000**	AMM2	0.921“	1.000“	4.331“	-	3.543“	4	A M6x7,5 T15F	T15F	A05.L|A05.R	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A05.0016**

Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A06.

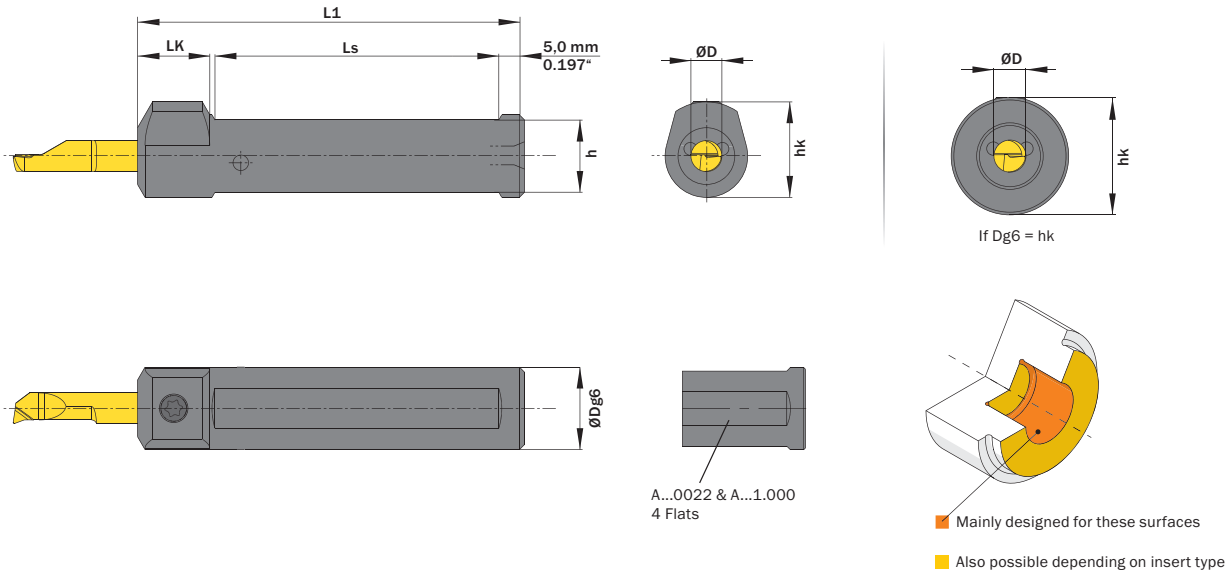
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan QR-Code | Or Visit **www.simtek.info/cp/783**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**											
6,0	12,0	**A06.0012**	AE6Z	10,0	16,5	70,0	14,0	50,0	2	A M6x7,5 T15F	T15F	A06.L|A06.R	
0.236“	0.500“	**A06.0.500**	ADG8	0.421“	0.663“	2.756“	0.551“	1.969“	2	A M6x7,5 T15F	T15F	A06.L|A06.R	inch
0.236“	0.625“	**A06.0.625**	AF4V	0.546“	0.726“	2.953“	0.551“	2.165“	2	A M6x7,5 T15F	T15F	A06.L|A06.R	inch
6,0	16,0	**A06.0016**	ANUJ	14,0	18,5	75,0	14,0	55,0	2	A M6x7,5 T15F	T15F	A06.L|A06.R	
0.236“	0.750“	**A06.0.750**	AE0N	0.671“	0.827“	4.331“	0.551“	3.543“	2	A M6x7,5 T15F	T15F	A06.L|A06.R	inch
6,0	20,0	**A06.0020**	AEV6	18,0	22,0	90,0	14,0	70,0	2	A M6x7,5 T15F	T15F	A06.L|A06.R	
6,0	22,0	**A06.0022**	AAW6	20,0	22,0	110,0	-	90,0	4	A M6x7,5 T15F	T15F	A06.L|A06.R	
6,0	23,0	**A06.0023**	AAMQ	21,0	23,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A06.L|A06.R	
6,0	25,0	**A06.0025**	AGFG	23,0	25,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A06.L|A06.R	
0.236“	1.000“	**A06.1.000**	AFYZ	0.921“	1.000“	4.331“	-	3.543“	4	A M6x7,5 T15F	T15F	A06.L|A06.R	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A06.0016**

Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A07.

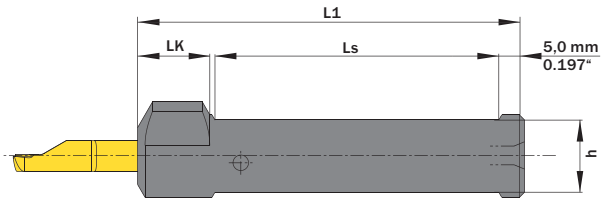
Tightening torque (screw)
7,0 Nm

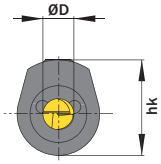
Please read add. notes
MASTER (Page 124)

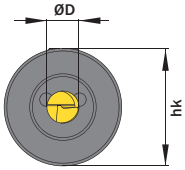
TW ST | Legend **126**

Scan QR-Code | Or Visit **www.simtek.info/cp/784**

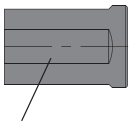
This page contains inch tools! These tools are indicated by **inch** on the right hand side.



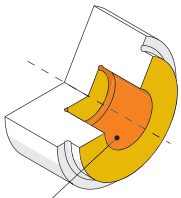




If Dg6 = hk



A...0022 & A...1.000
4 Flats



Mainly designed for these surfaces

Also possible depending on insert type

ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**											
0.276“	0.625“	**A07.0.625**	AJD9	0.546“	0.746“	2.953“	0.551“	2.165“	2	A M6x7,5 T15F	T15F	A07.L|A07.R	inch
7,0	16,0	**A07.0016**	ANSH	14,0	19,0	75,0	14,0	55,0	2	A M6x7,5 T15F	T15F	A07.L|A07.R	
0.276“	0.750“	**A07.0.750**	AGC1	0.671“	0.827“	4.331“	0.551“	3.543“	2	A M6x7,5 T15F	T15F	A07.L|A07.R	inch
7,0	20,0	**A07.0020**	AJ4T	18,0	22,0	90,0	14,0	70,0	2	A M6x7,5 T15F	T15F	A07.L|A07.R	
7,0	22,0	**A07.0022**	AE9S	20,0	22,0	110,0	-	90,0	4	A M6x7,5 T15F	T15F	A07.L|A07.R	
7,0	23,0	**A07.0023**	AA1N	21,0	23,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A07.L|A07.R	
7,0	25,0	**A07.0025**	AEK6	23,0	25,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A07.L|A07.R	
0.276“	1.000“	**A07.1.000**	AD79	0.921“	1.000“	4.331“	-	3.543“	4	A M6x7,5 T15F	T15F	A07.L|A07.R	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A07.0016**

Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A08 and A10.

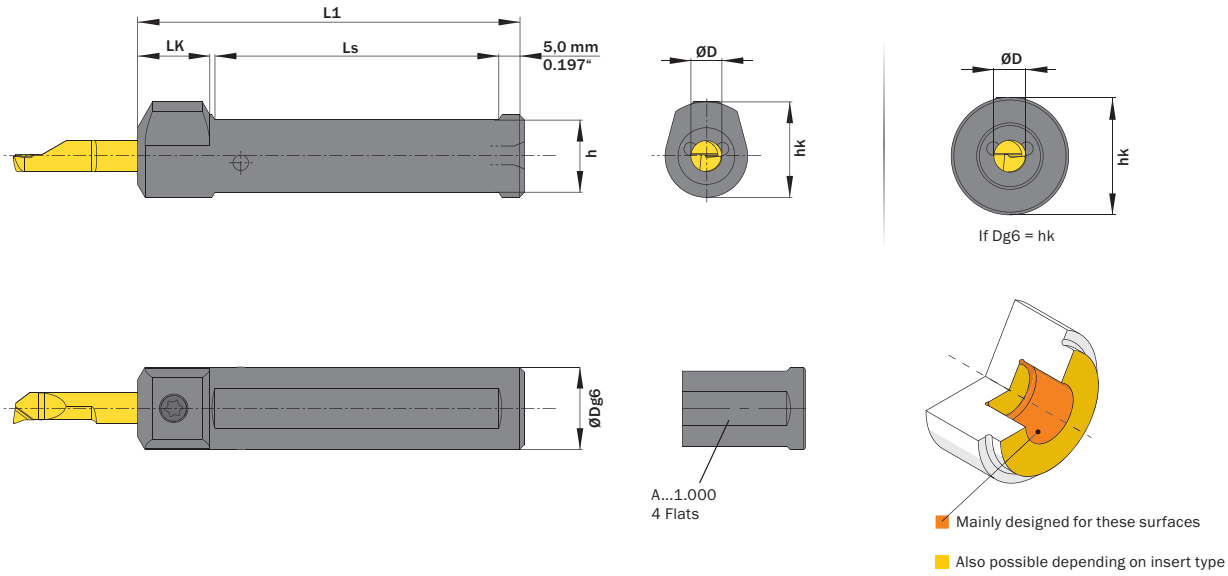
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/785**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**											
▼ ØD = 8,0 mm / 0.315“													
0.315“	0.625“	**A08.0.625**	AHYF	0.546“	0.765“	2.953“	0.551“	2.165“	2	AM6x7,5T15F	T15F	A08	inch
8,0	16,0	**A08.0016**	AAAV	14,0	19,5	75,0	14,0	55,0	2	AM6x7,5T15F	T15F	A08	
0.315“	0.750“	**A08.0.750**	AAKN	0.671“	0.945“	4.331“	0.551“	3.543“	2	AM6x7,5T15F	T15F	A08	inch
8,0	20,0	**A08.0020**	AD6N	18,0	25,0	90,0	14,0	70,0	2	AM6x7,5T15F	T15F	A08	
8,0	25,0	**A08.0025**	AMAS	23,0	25,0	110,0	-	90,0	2	AM6x7,5T15F	T15F	A08	
0.315“	1.000“	**A08.1.000**	AAQJ	0.921“	1.000“	4.331“	-	3.543“	4	AM6x7,5T15F	T15F	A08	inch
▼ ØD = 10,0 mm / 0.394“													
0.394“	0.750“	**A10.0.750**	AEJ2	0.671“	0.945“	4.331“	0.551“	3.543“	2	AM6x7,5T15F	T15F	A10.L|A10.R	inch
10,0	20,0	**A10.0020**	AGQZ	18,0	25,0	90,0	14,0	70,0	2	AM6x7,5T15F	T15F	A10.L|A10.R	
10,0	25,0	**A10.0025**	ABB8	23,0	25,0	110,0	-	90,0	2	AM6x7,5T15F	T15F	A10.L|A10.R	
0.394“	1.000“	**A10.1.000**	AHAY	0.921“	1.000“	4.331“	-	3.543“	4	AM6x7,5T15F	T15F	A10.L|A10.R	inch
		Related Items can be found on the following page as well!										Continued Table	

Order example: **A10.0020**

Toolholder, Internal Applications, Round Shank

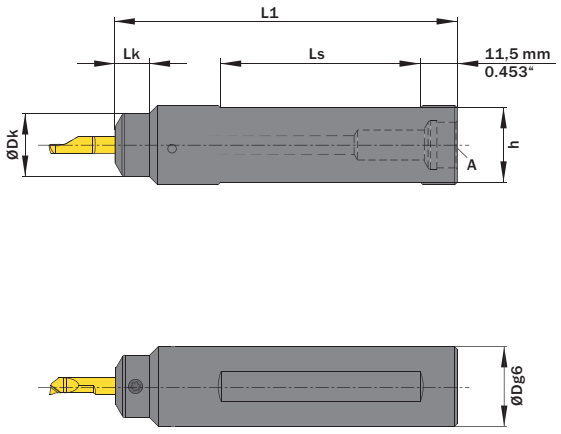
Round shank with through coolant.

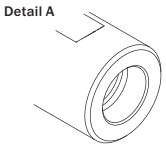
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

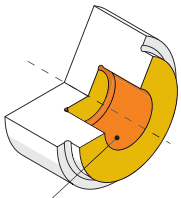
TW ST | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/747**





connection thread M12 x 1,5



Mainly designed for these surfaces

Also possible depending on insert type

Drawing shows: A06.0028

ØD mm	ØDg6 mm	Part number	Webcode www.simtek.com/webcode	ØDk mm	h mm	L1 mm	LK mm	Ls mm	Screw	Screw driver	Connectcode www.simtek.com/ccode
◀ Continued Table		**Related Items can be found on the previous page as well!**									
▼ ØD = 4,0 mm											
4,0	28,0	**A04.0028**	AESG	20,0	26,0	120,0	17,0	72,0	A M6x7,5 T15F	T15F	A04.L | A04.R | A04C.L | A04C.R
▼ ØD = 5,0 mm											
5,0	28,0	**A05.0028**	AFTF	20,0	26,0	120,0	12,0	72,0	A M6x7,5 T15F	T15F	A05.L | A05.R
▼ ØD = 6,0 mm											
6,0	28,0	**A06.0028**	AEK4	22,0	26,0	120,0	12,0	72,0	A M6x7,5 T15F	T15F	A06.L | A06.R
▼ ØD = 7,0 mm											
7,0	28,0	**A07.0028**	ADXC	22,0	26,0	120,0	12,0	72,0	A M6x7,5 T15F	T15F	A07.L | A07.R

Order example: **A04.0028**

Toolholder, Internal Applications, Round Shank

Round shank with through coolant for size A04.

Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

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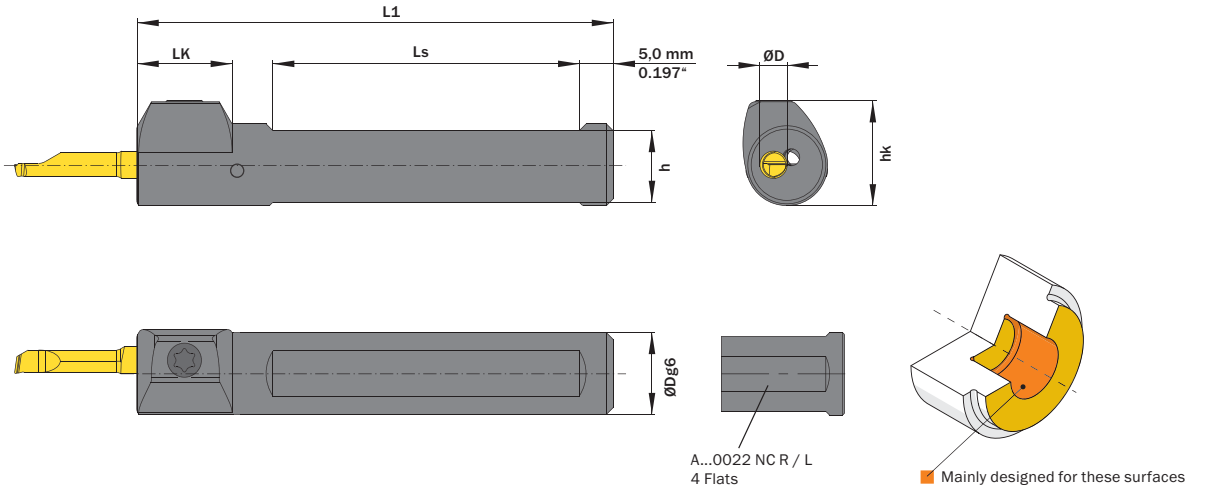


Drawing shows: A04.0012.NC R

ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
4,0	10,0	**A04.0010.NC R/L**	R AWBQ L AWBP	8,5	13,75	65,0	14,0	40,0	2	AM6x7,5T15F	T15F	R A04C.R L A04C.L	
4,0	12,0	**A04.0012.NC R/L**	R AWBT L AWBS	10,5	15,25	70,0	14,0	45,0	2	AM6x7,5T15F	T15F	R A04C.R L A04C.L	
0.157“	0.500“	**A04.0.500.NC R/L**	R AWB3 L AWB2	0.441“	0.614“	2.756“	0.551“	1.772“	2	AM6x7,5T15F	T15F	R A04C.R L A04C.L	inch
0.157“	0.625“	**A04.0.625.NC R/L**	R AWB5 L AWB4	0.566“	0.675“	2.953“	0.551“	2.165“	2	AM6x7,5T15F	T15F	R A04C.R L A04C.L	inch
4,0	16,0	**A04.0016.NC R/L**	R AWBV L AWBU	14,5	17,2	75,0	14,0	55,0	2	AM6x7,5T15F	T15F	R A04C.R L A04C.L	
0.157“	0.750“	**A04.0.750.NC R/L**	R AWB1 L AWB0	0.671“	0.827“	4.331“	0.551“	3.543“	2	AM6x7,5T15F	T15F	R A04C.R L A04C.L	inch
4,0	20,0	**A04.0020.NC R/L**	R AWBX L AWBW	18,0	22,0	90,0	14,0	70,0	2	AM6x7,5T15F	T15F	R A04C.R L A04C.L	
4,0	22,0	**A04.0022.NC R/L**	R AWBZ L AWBY	20,0	22,0	110,0	-	90,0	4	AM6x7,5T15F	T15F	R A04C.R L A04C.L	

Related Items can be found on the following page as well! Continued Table

Order example: **A04.0016.NC R** (R = Right hand version)

Toolholder, Internal Applications, Round Shank

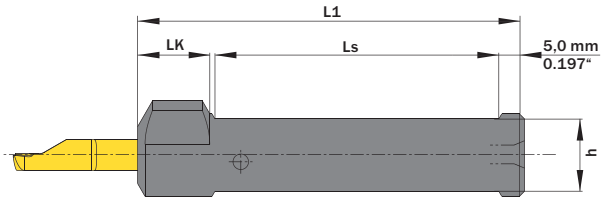
Round shank with through coolant for size A04. With special through coolant design for right and left hand inserts.

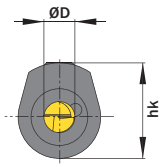
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

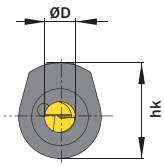
TW ST | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/952**

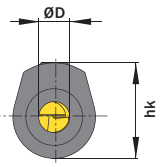




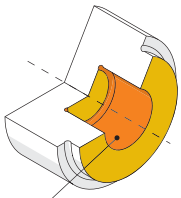
A...R
Through coolant supply for right hand tools



A...L
Through coolant supply for left hand tools



A...T
Through coolant supply through the insert



Mainly designed for these surfaces

Also possible depending on insert type

ØD mm	ØDg6 mm	Part number	Webcode www.simtek.com/webcode	h mm	hk mm	L1 mm	LK mm	Ls mm	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode
Continued Table		**Related Items can be found on the previous page as well!**										
4,0	10,0	**A04.0010 R/L**	R AUSB L AUSC	8,0	14,5	65,0	14,0	45,0	2	A M6x7,5 T15F	T15F	R A04.R L A04.L
4,0	10,0	**A04.0010 T**	AUSD	8,5	14,5	65,0	14,0	36,0	2	A M6x7,5 T15F	T15F	A04.L | A04.R | A04T

Related Items can be found on the following page as well! Continued Table

Order example: **A04.0010 T**

Toolholder, Internal Applications, Round Shank

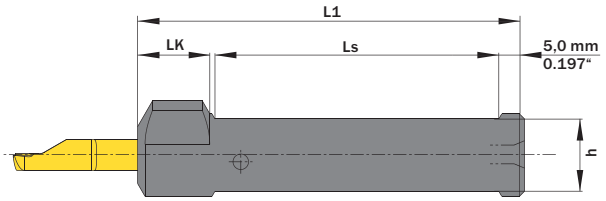
Round shank with through coolant for size A05. With special through coolant design for right and left hand inserts.

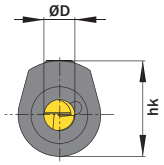
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

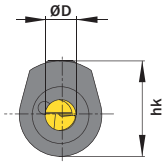
TW ST | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/953**

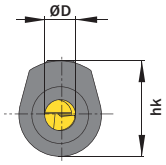




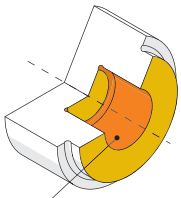
A...R
Through coolant supply for right hand tools



A...L
Through coolant supply for left hand tools



A...T
Through coolant supply through the insert



Mainly designed for these surfaces

Also possible depending on insert type

ØD mm	ØDg6 mm	Part number	Webcode www.simtek.com/webcode	h mm	hk mm	L1 mm	LK mm	Ls mm	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode
Continued Table		**Related Items can be found on the previous page as well!**										
5,0	10,0	**A05.0010 R/L**	R AUS9 L AUTA	8,0	15,0	65,0	14,0	45,0	2	A M6x7,5 T15F	T15F	R A05.R L A05.L
5,0	10,0	**A05.0010 T**	AUTB	8,5	15,0	65,0	14,0	36,0	2	A M6x7,5 T15F	T15F	A05.L | A05.R | A05T

Order example: **A05.0010 R** (R = Right hand version)

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.

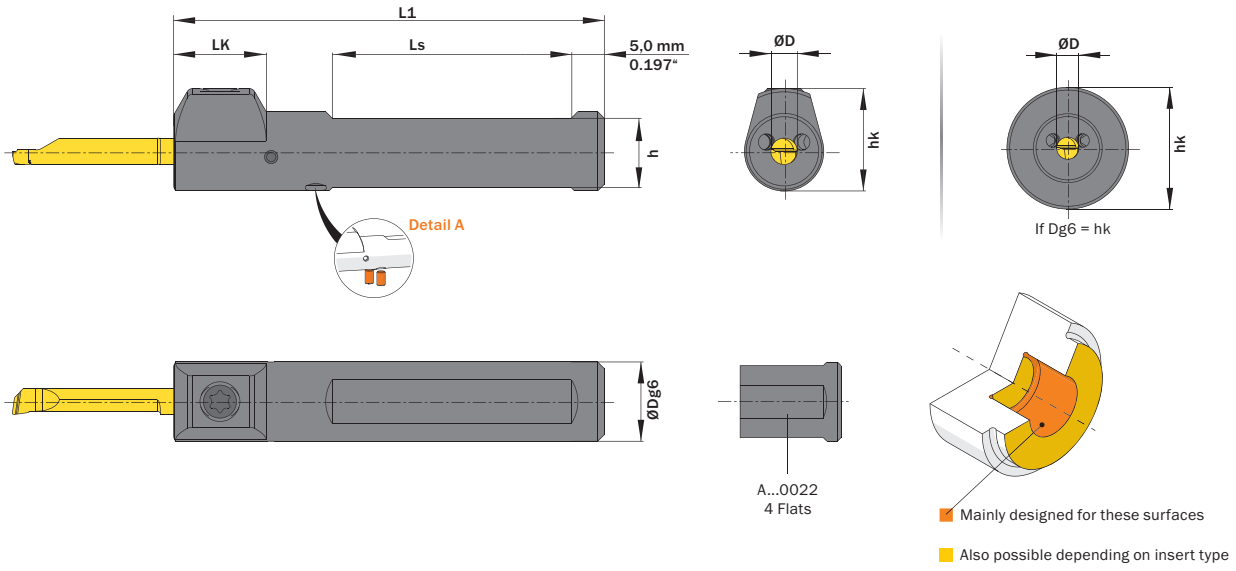
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/1200**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



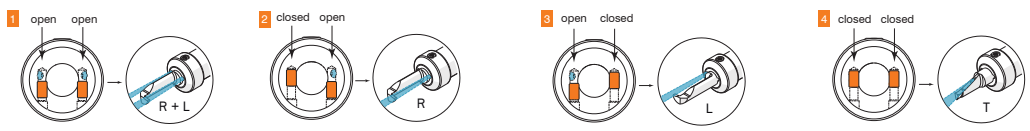
ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
4,0	12,0	**A04.0012 T**	AUQY	10,5	15,5	70,0	14,0	41,0	2	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R|A04T	
0.157“	0.500“	**A04.0.500 T**	A5H9	0.433“	0.624“	2.756“	1.614“	1.614“	2	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R|A04T	inch
0.157“	0.625“	**A04.0.625 T**	A5H7	0.433“	0.687“	2.953“	0.551“	1.811“	2	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R|A04T	inch
4,0	16,0	**A04.0016 T**	AUQ1	14,0	17,5	75,0	14,0	46,0	2	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R|A04T	
0.157“	0.750“	**A04.0.750 T**	AUSA	0.671“	0.750“	4.331“	-	3.189“	2	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R|A04T	inch
4,0	20,0	**A04.0020 T**	AUSP	18,0	20,0	90,0	-	61,0	2	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R|A04T	
4,0	22,0	**A04.0022 T**	AUST	20,0	22,0	110,0	-	90,0	4	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R|A04T	
4,0	25,0	**A04.0025 T**	AUSW	23,0	25,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R|A04T	
0.157“	1.000“	**A04.1.000 T**	AUSK	0.921“	1.000“	4.331“		3.543“	4	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R|A04T	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A04.0016 T**

The Connectcode „A04T“ is provided for customized cutting tools with coolant supply through the insert.

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



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.

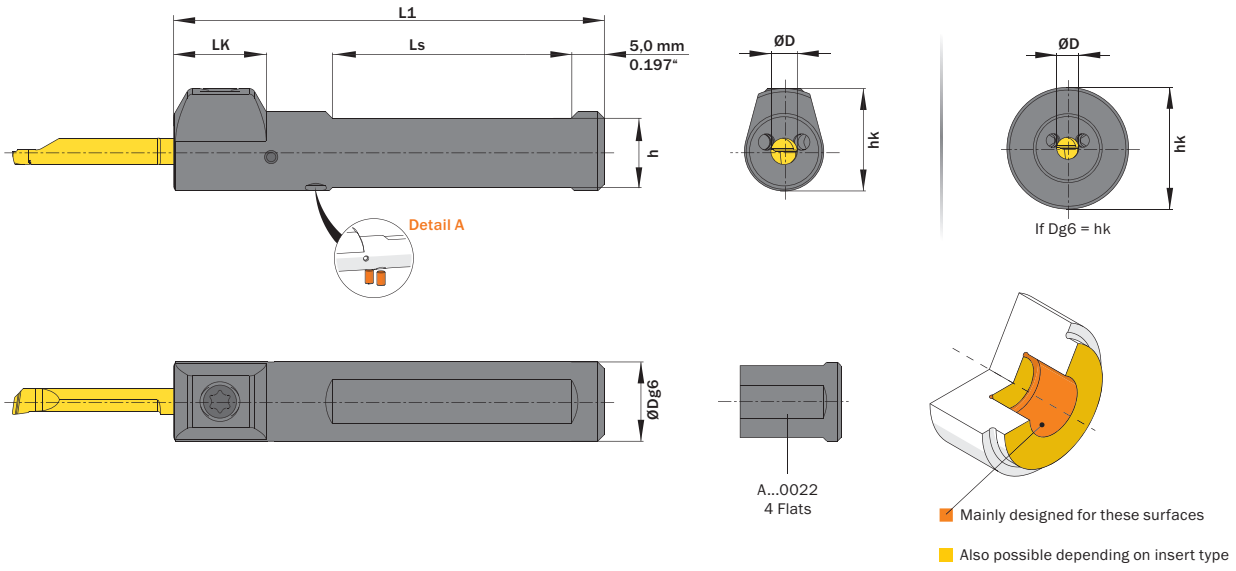
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/1201**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



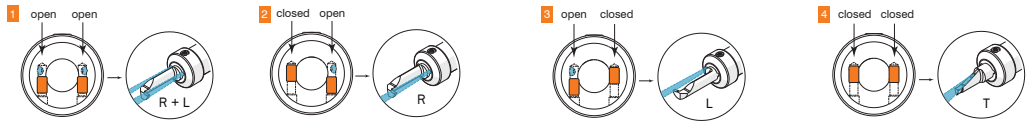
ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**											
5,0	12,0	**A05.0012 T**	AUSZ	10,5	16,0	70,0	14,0	41,0	2	A M6x7,5 T15F	T15F	A05.L|A05.R|A05T	
0.197“	0.500“	**A05.0.500 T**	AUS2	0.441“	0.644“	2.756“	0.551“	1.614“	2	A M6x7,5 T15F	T15F	A05.L|A05.R|A05T	inch
0.197“	0.625“	**A05.0.625 T**	AZMU	0.546“	0.706“	2.953“	0.551“	1.811“	2	A M6x7,5 T15F	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	A M6x7,5 T15F	T15F	A05.L|A05.R|A05T	
0.197“	0.750“	**A05.0.750 T**	AUS8	0.671“	0.750“	4.331“	-	3.189“	2	A M6x7,5 T15F	T15F	A05.L|A05.R|A05T	inch
5,0	20,0	**A05.0020 T**	AUTQ	18,0	20,0	90,0	-	61,0	2	A M6x7,5 T15F	T15F	A05.L|A05.R|A05T	
5,0	22,0	**A05.0022 T**	AUTH	20,0	22,0	110,0	-	90,0	4	A M6x7,5 T15F	T15F	A05.L|A05.R|A05T	
5,0	25,0	**A05.0025 T**	AUTM	23,0	25,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A05.L|A05.R|A05T	
0.197“	1.000“	**A05.1.000 T**	AUTX	0.921“	1.000“	4.331“	-	3.543“	2	A M6x7,5 T15F	T15F	A05.L|A05.R|A05T	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A05.0016 T**

The Connectcode „A05T“ is provided for customized cutting tools with coolant supply through the insert.

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



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.

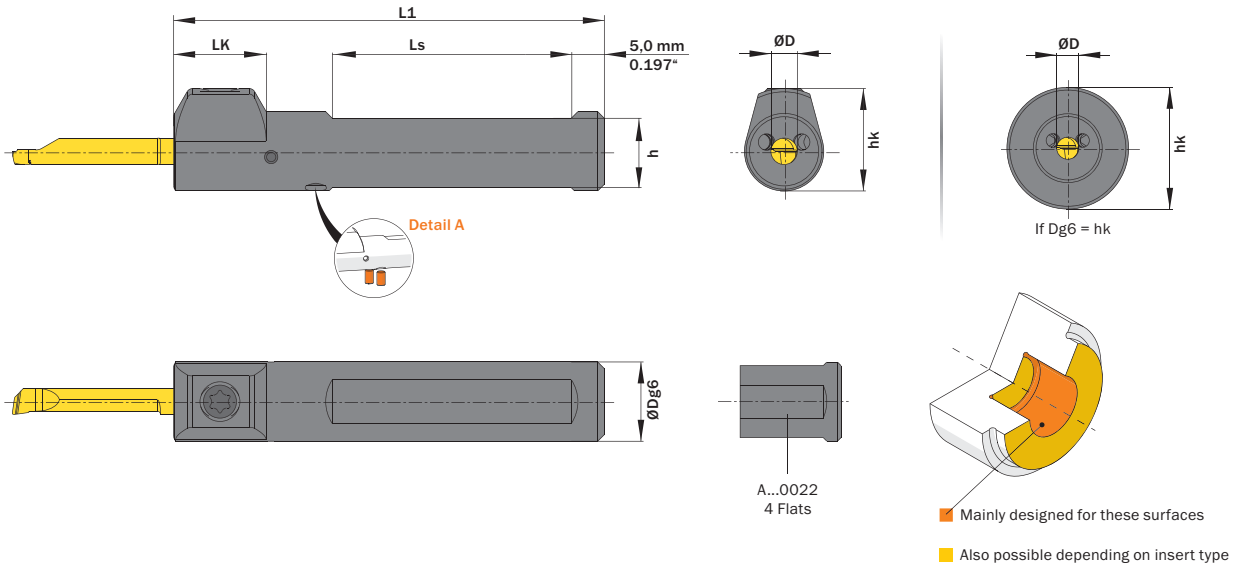
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan QR-Code | Or Visit **www.simtek.info/cp/1202**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



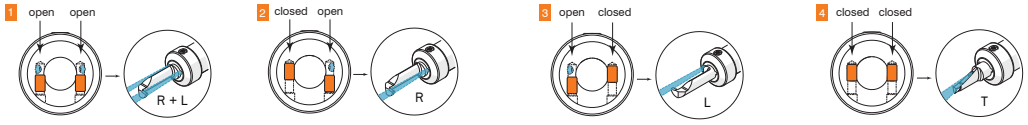
ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**											
6,0	12,0	**A06.0012 T**	AUT9	10,5	16,5	70,0	14,0	41,0	2	A M6x7,5 T15F	T15F	A06.L|A06.R|A06T	
0.236“	0.625“	**A06.0.625 T**	AUT0	0.546“	0.726“	2.953“	0.551“	1.811“	2	A M6x7,5 T15F	T15F	A06.L|A06.R|A06T	inch
6,0	16,0	**A06.0016 T**	AUUC	14,0	18,5	75,0	14,0	46,0	2	A M6x7,5 T15F	T15F	A06.L|A06.R|A06T	
0.236“	0.750“	**A06.0.750 T**	AUT6	0.671“	0.750“	4.331“	0.551“	3.189“	2	A M6x7,5 T15F	T15F	A06.L|A06.R|A06T	inch
6,0	20,0	**A06.0020 T**	AUUN	18,0	20,0	90,0	14,0	61,0	2	A M6x7,5 T15F	T15F	A06.L|A06.R|A06T	
6,0	22,0	**A06.0022 T**	AUUF	20,0	22,0	110,0	-	90,0	4	A M6x7,5 T15F	T15F	A06.L|A06.R|A06T	
6,0	25,0	**A06.0025 T**	AUUJ	23,0	25,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A06.L|A06.R|A06T	
0.236“	1.000“	**A06.1.000 T**	AUUV	0.921“	1.000“	4.331“	-	3.543“	2	A M6x7,5 T15F	T15F	A06.L|A06.R|A06T	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A06.0016 T**

The Connectcode „A06T“ is provided for customized cutting tools with coolant supply through the insert.

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



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.

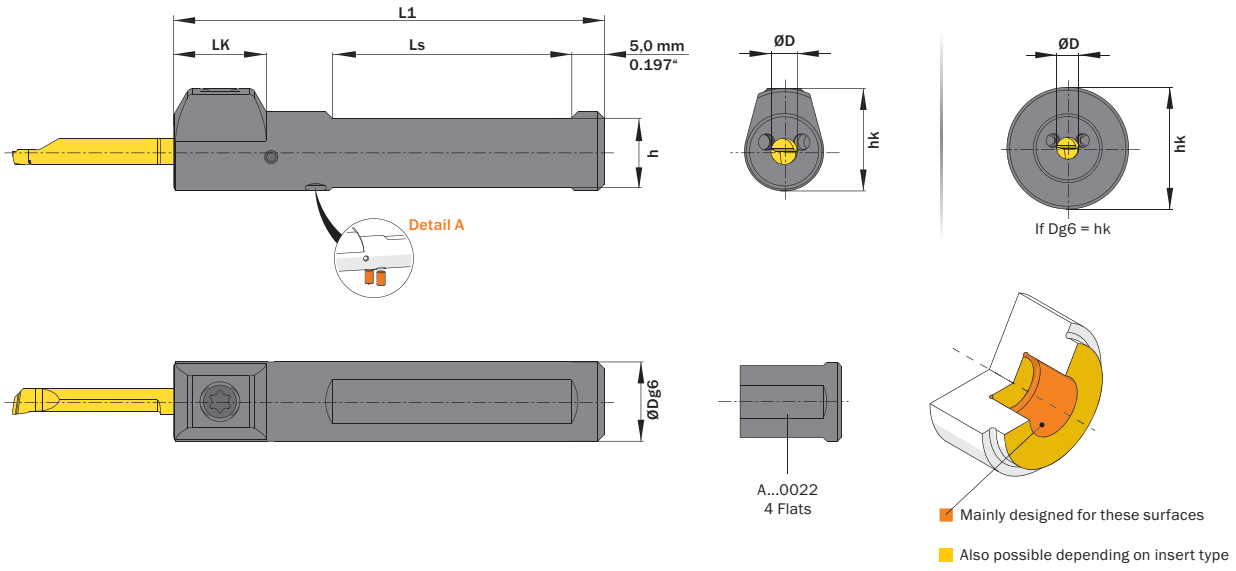
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/1203**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



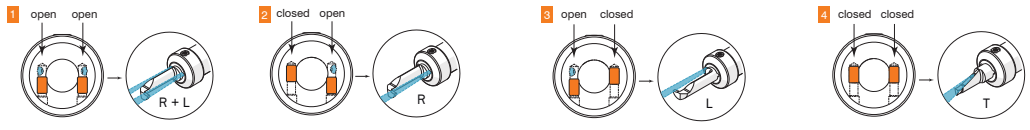
ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**											
0.276“	0.625“	**A07.0.625 T**	AUU1	0.546“	0.746“	2.953“	0.551“	1.811“	2	A M6x7,5 T15F	T15F	A07.L|A07.R|A07T	inch
7,0	16,0	**A07.0016 T**	AUU4	14,0	19,0	75,0	14,0	46,0	2	A M6x7,5 T15F	T15F	A07.L|A07.R|A07T	
0.276“	0.750“	**A07.0.750 T**	AUUY	0.671“	0.827“	4.331“	0.551“	3.189“	2	A M6x7,5 T15F	T15F	A07.L|A07.R|A07T	inch
7,0	20,0	**A07.0020 T**	AUVD	18,0	22,0	90,0	14,0	61,0	2	A M6x7,5 T15F	T15F	A07.L|A07.R|A07T	
7,0	22,0	**A07.0022 T**	AUU7	20,0	22,0	110,0	-	90,0	4	A M6x7,5 T15F	T15F	A07.L|A07.R|A07T	
7,0	25,0	**A07.0025 T**	AUVA	23,0	25,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A07.L|A07.R|A07T	
0.276“	1.000“	**A07.1.000 T**	AUVK	0.921“	1.000“	4.331“	-	3.543“	2	A M6x7,5 T15F	T15F	A07.L|A07.R|A07T	inch

Related Items can be found on the following page as well! **Continued Table**

Order example: **A07.0016 T**

The Connectcode „A07T“ is provided for customized cutting tools with coolant supply through the insert.

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



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.

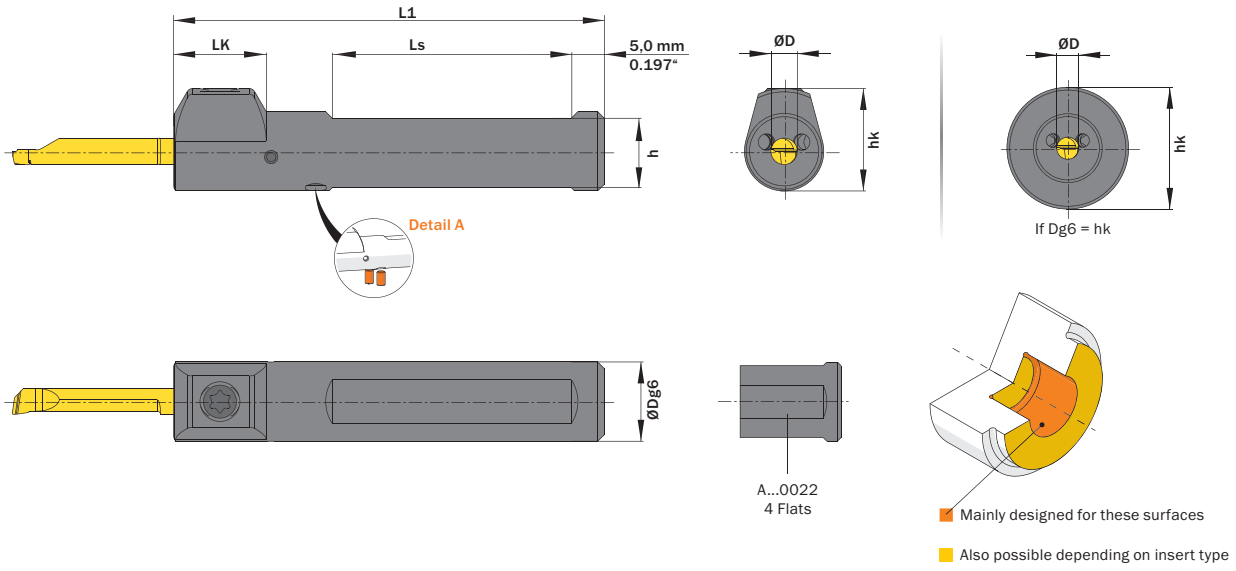
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/1204**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.

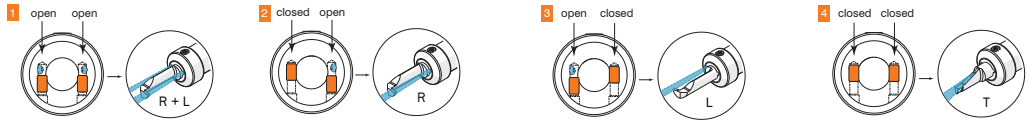


ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**											
0.315“	0.625“	**A08.0.625 T**	AUVP	0.546“	0.765“	2.953“	0.551“	1.811“	2	A M6x7,5 T15F	T15F	A08 | A08T	inch
8,0	16,0	**A08.0016 T**	AUVW	14,0	19,5	75,0	14,0	46,0	2	A M6x7,5 T15F	T15F	A08 | A08T	
0.315“	0.750“	**A08.0.750 T**	AUVT	0.671“	0.945“	4.331“	0.551“	3.189“	2	A M6x7,5 T15F	T15F	A08 | A08T	inch
8,0	20,0	**A08.0020 T**	AUV2	18,0	25,0	90,0	14,0	61,0	2	A M6x7,5 T15F	T15F	A08 | A08T	
8,0	22,0	**A08.0022 T**	AØYF	20,0	22,0	110,0	-	90,0	4	A M6x7,5 T15F	T15F	A08 | A08T	
8,0	25,0	**A08.0025 T**	AUVZ	23,0	25,0	110,0	-	90,0	2	A M6x7,5 T15F	T15F	A08 | A08T	
0.315“	1.000“	**A08.1.000 T**	AUV5	0.921“	1.000“	4.331“	-	3.543“	2	A M6x7,5 T15F	T15F	A08 | A08T	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A08.0016 T**

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



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.

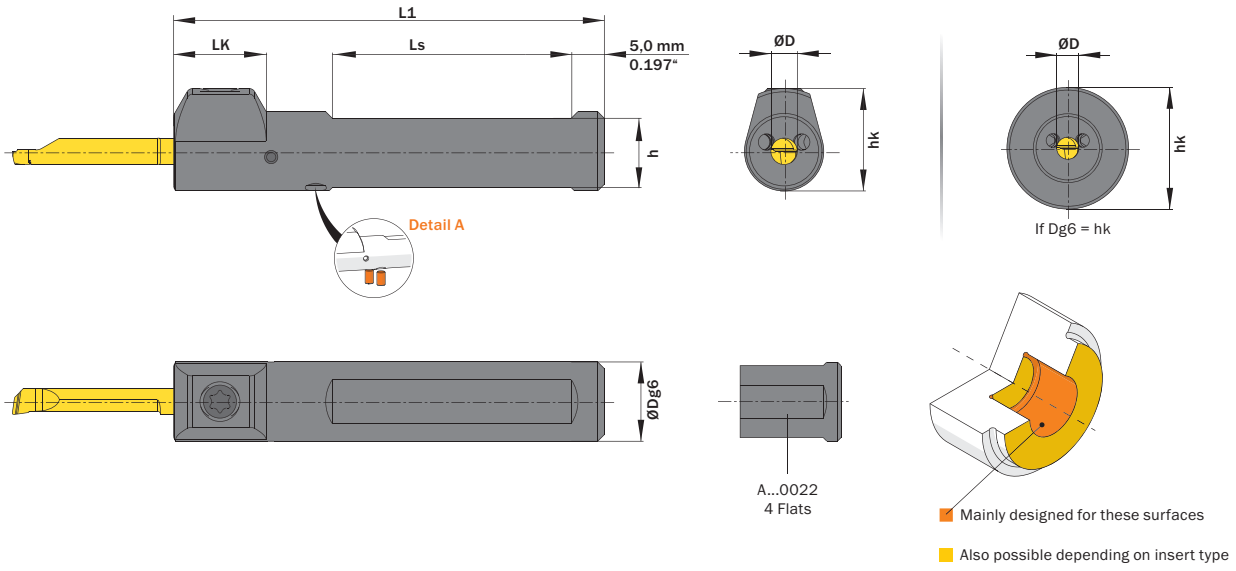
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/1205**

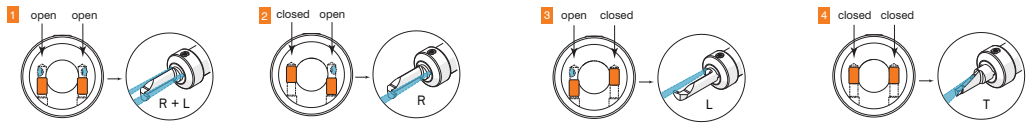
This page contains inch tools! These tools are indicated by **inch** on the right hand side.



ØD mm/inch	ØDg6 mm/inch		Webcode www.simtek.com/webcode	h mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Ls mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**											
10,0	20,0	**A10.0020 T**	AUWB	18,0	25,0	90,0	14,0	61,0	2	AM6x7,5T15F	T15F	A10.L|A10.R|A10T	
10,0	22,0	**A10.0022 T**	A074	20,94	25,0	110,0	14,0	90,0	4	AM6x7,5T15F	T15F	A10.L|A10.R|A10T	
10,0	25,0	**A10.0025 T**	AUWE	23,0	25,0	110,0	-	90,0	2	AM6x7,5T15F	T15F	A10.L|A10.R|A10T	
0.394“	0.750“	**A10.0.750 T**	AUV8	0.671“	0.945“	4.331“	0.551“	3.189“	2	AM6x7,5T15F	T15F	A10.L|A10.R|A10T	inch
0.394“	1.000“	**A10.1.000 T**	AHAY	0.921“	0.984“	4.331“	-	3.543“	2	AM6x7,5T15F	T15F	A10.L|A10.R|A10T	inch

Order example: **A10.0020 T**

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



Toolholder, Internal Applications, Round Shank „ME“

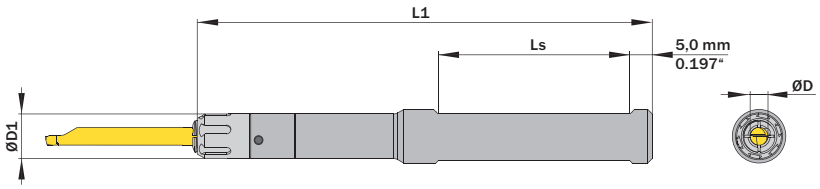
Carbide round shank, suitable for extending the overall tool reach equipped with our brand new ME-clamping system. The ME-system provides form-fit clamping along with higher precision and stability.

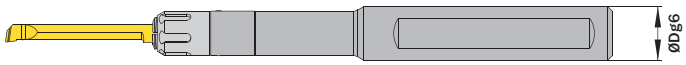
Tightening torque (screw)
10,0 Nm - 15,0 Nm

Please read add. notes
MASTER (Page 124)

TW HM | ME | R | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1197**

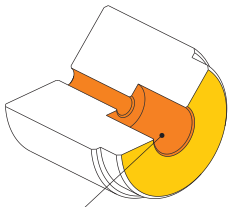




Drawing shows: A04.0012.10.42.ME HM R

Discover our new simturn AX toolholder „ME“.

Or visit
https://simtek.com/AXME/



Mainly designed for these surfaces

Also possible depending on insert type

ØD mm	ØDg6 mm	ØD1 mm	Part number	Webcode www.simtek.com/webcode	L1 mm	LK mm	Ls mm	Standard screw nut	Connectcode www.simtek.com/ccode

Continued Table **Related Items can be found on the previous page as well!**

4,0	12,0	10,0	**A04.0012.10.42.ME HM R/L**	R AZEE L AZED	103,0	45,0	48,5	A00.K.73.12.10	R A04.R | A04C.R L A04.L | A04C.L

Related Items can be found on the following page as well! Continued Table

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

Toolholder, Internal Applications, Round Shank „ME“

Carbide round shank, suitable for extending the overall tool reach equipped with our brand new 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.

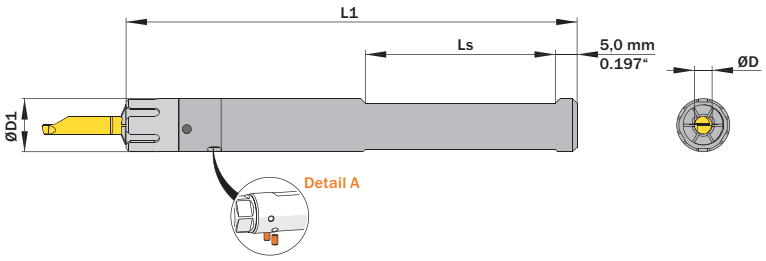
Tightening torque (screw)
10,0 Nm - 15,0 Nm

Please read add. notes
MASTER (Page 124)

TW HM | ME | Legend 126

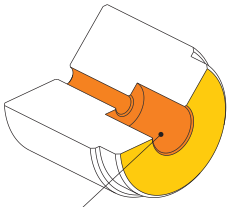
Scan QR-Code | Or Visit **www.simtek.info/cp/1196**

This page contains inch tools! These tools are indicated by inch on the right hand side.



Drawing shows: A04.0012.12.42 ME HM T

Discover our new simturn AX toolholder „ME“.
Or visit
https://simtek.com/AXME/



Mainly designed for these surfaces

Also possible depending on insert type

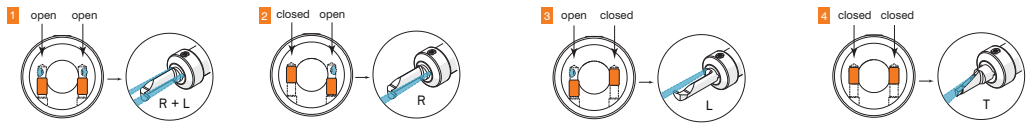
ØD mm/inch	ØDg6 mm/inch	ØD1 mm/inch	Part number	Webcode www.simtek.com/webcode	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
Continued Table			**Related Items can be found on the previous page as well!**						
▼ ØD = 4,0 mm / 0.157“									
4,0	12,0	12,0	**A04.0012.12.42.ME HM T**	AY69	103,0	43,0	A00.K.93.12.12	A04.L|A04.R|A04C.L A04C.R|A04T	
0.157“	0.500“	0.500“	**A04.0.500.12.42.ME HM T**	A09E	4.055“	1.693“	A00.K.93.12.12	A04.L|A04.R|A04C.L A04C.R|A04T	inch
▼ ØD = 5,0 mm / 0.197“									
5,0	12,0	12,0	**A05.0012.12.42.ME HM T**	AY7E	108,0	43,0	A00.K.93.12.12	A05.L|A05.R|A05T	
0.197“	0.500“	0.500“	**A05.0.500.12.42.ME HM T**	A09F	4.252“	1.693“	A00.K.93.12.12	A05.L|A05.R|A05T	inch

Related Items can be found on the following page as well! Continued Table

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

The Connectcodes „A04T“ and „A05T“ are provided for customized cutting tools with coolant supply through the insert.

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



Toolholder, Internal Applications, Round Shank „ME“

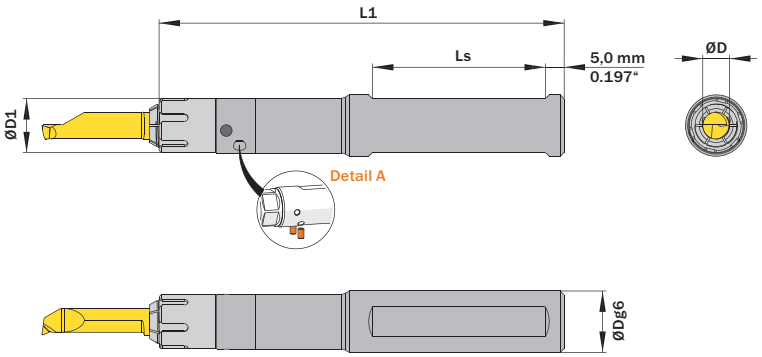
Carbide round shank, suitable for extending the overall tool reach equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

Tightening torque (screw)
10,0 Nm - 15,0 Nm

Please read add. notes
MASTER (Page 124)

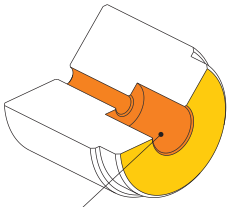
TW HM | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1218**



Drawing shows: A07.0016.14.50.ME HM T

Discover our new simturn AX toolholder „ME“.
Or visit
https://simtek.com/AXME/



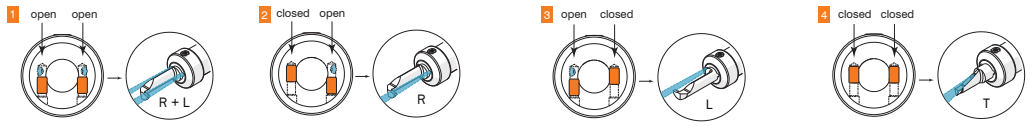
Mainly designed for these surfaces

Also possible depending on insert type

ØD mm	ØDg6 mm	ØD1 mm	Part number	Webcode www.simtek.com/webcode	L1 mm	Ls mm	Standard screw nut	Connectcode www.simtek.com/ccode
Continued Table			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	A00.K.113.15.14	A06.L | A06.R | A06T
▼ ØD = 7,0 mm								
7,0	16,0	14,0	**A07.0016.14.50.ME HM T**	AZEW	108,0	45,0	A00.K.113.15.14	A07.L | A07.R | A07T

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

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



Toolholder, Internal Applications, Round Shank, „ME“

Steel round shank, equipped with our brand new 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.

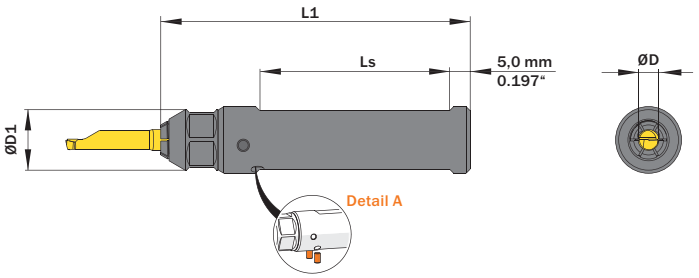
Tightening torque (screw)
15,0 Nm - 25,0 Nm

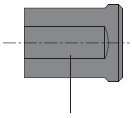
Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend **126**

Scan QR-Code | Or Visit **www.simtek.info/cp/1164**

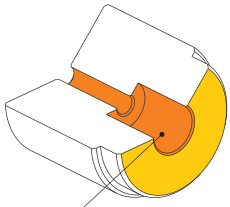
This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Drawing shows: A04.0016.ME ST T

Discover our new simturn AX toolholder „ME“.
Or visit
https://simtek.com/AXME/



Mainly designed for these surfaces

Also possible depending on insert type

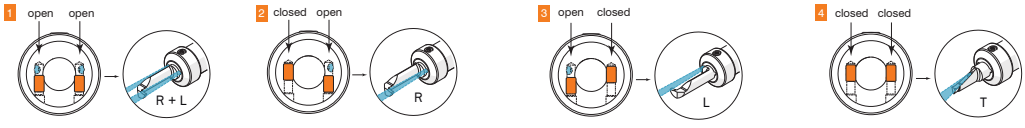
ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
4,0	12,0	**A04.0012.ME ST T**	AY7A	14,5	70,0	42,0	A00.K.14.12.88	A04.L|A04.R|A04C.L|A04C.R|A04T	
0.157“	0.500“	**A04.0.500.ME ST T**	A0YH	0.571“	2.756“	1.654“	A00.K.14.12.88	A04.L|A04.R|A04C.L|A04C.R|A04T	inch
0.157“	0.625“	**A04.0.625.ME ST T**	AZN2	0.571“	2.953“	1.850“	A00.K.14.12.88	A04.L|A04.R|A04C.L|A04C.R|A04T	inch
4,0	16,0	**A04.0016.ME ST T**	AY7B	14,5	75,0	47,0	A00.K.14.12.88	A04.L|A04.R|A04C.L|A04C.R|A04T	
0.157“	0.750“	**A04.0.750.ME ST T**	AZNH	0.571“	4.331“	3.071“	A00.K.14.12.88	A04.L|A04.R|A04C.L|A04C.R|A04T	inch
4,0	20,0	**A04.0020.ME ST T**	AY7C	14,5	90,0	58,0	A00.K.14.12.88	A04.L|A04.R|A04C.L|A04C.R|A04T	
4,0	22,0	**A04.0022.ME ST T**	AZJ1	14,5	110,0	80,0	A00.K.14.12.88	A04.L|A04.R|A04C.L|A04C.R|A04T	
4,0	23,0	**A04.0023.ME ST T**	AZJ2	14,5	110,0	80,0	A00.K.14.12.88	A04.L|A04.R|A04C.L|A04C.R|A04T	
4,0	25,0	**A04.0025.ME ST T**	AY7D	14,5	110,0	80,0	A00.K.14.12.88	A04.L|A04.R|A04C.L|A04C.R|A04T	
0.157“	1.000“	**A04.1.000.ME ST T**	A0YY	0.571“	4.331“	3.150“	A00.K.14.12.88	A04.L|A04.R|A04C.L|A04C.R|A04T	inch

Related Items can be found on the following page as well! Continued Table

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

The Connectcode „A04T“ is provided for customized cutting tools with coolant supply through the insert.

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



simturn AX
SIMTEK Small Part Machining Type AX

Toolholder, Internal Applications, Round Shank, „ME“

Steel round shank, equipped with our brand new 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.

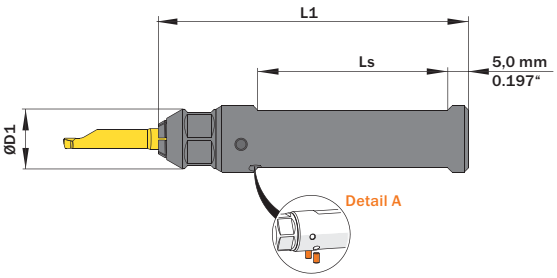
Tightening torque (screw)
15,0 Nm - 25,0 Nm

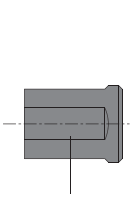
Please read add. notes
MASTER (Page 124), T02 (Page 125)

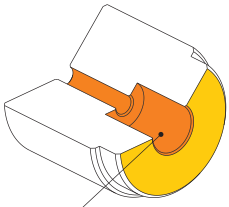
TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1166**

This page contains inch tools! These tools are indicated by inch on the right hand side.







Drawing shows: A05.0016.ME ST T

Discover our new simturn AX toolholder „ME“.
Or visit
https://simtek.com/AXME/

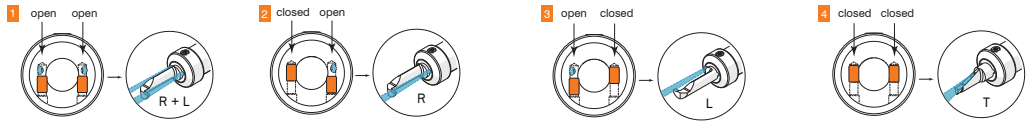
ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
Continued Table		Related Items can be found on the previous page as well!							
5,0	12,0	**A05.0012.ME ST T**	AY7F	14,5	70,0	41,0	A00.K.14.12.88	A05.L|A05.R|A05T	
0.197“	0.500“	**A05.0.500.ME ST T**	A0YJ	0.571“	2.756“	1.614“	A00.K.14.12.88	A05.L|A05.R|A05T	inch
0.197“	0.625“	**A05.0.625.ME ST T**	AZN3	0.571“	2.953“	1.811“	A00.K.14.12.88	A05.L|A05.R|A05T	inch
5,0	16,0	**A05.0016.ME ST T**	AY7G	14,5	75,0	46,0	A00.K.14.12.88	A05.L|A05.R|A05T	
0.197“	0.750“	**A05.0.750.ME ST T**	AZNJ	0.571“	4.331“	3.071“	A00.K.14.12.88	A05.L|A05.R|A05T	inch
5,0	20,0	**A05.0020.ME ST T**	AY7H	14,5	90,0	58,0	A00.K.14.12.88	A05.L|A05.R|A05T	
5,0	22,0	**A05.0022.ME ST T**	AZJ3	14,5	110,0	79,0	A00.K.14.12.88	A05.L|A05.R|A05T	
5,0	23,0	**A05.0023.ME ST T**	AZJ4	14,5	110,0	79,0	A00.K.14.12.88	A05.L|A05.R|A05T	
5,0	25,0	**A05.0025.ME ST T**	AY7J	14,5	110,0	79,0	A00.K.14.12.88	A05.L|A05.R|A05T	
0.197“	1.000“	**A05.1.000.ME ST T**	A0YZ	0.571“	4.331“	3.110“	A00.K.14.12.88	A05.L|A05.R|A05T	inch

Related Items can be found on the following page as well! Continued Table

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

The Connectcode „A05T“ is provided for customized cutting tools with coolant supply through the insert.

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



simturn AX
SIMTEK Small Part Machining Type AX

Toolholder, Internal Applications, Round Shank, „ME“

Steel round shank, equipped with our brand new 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.

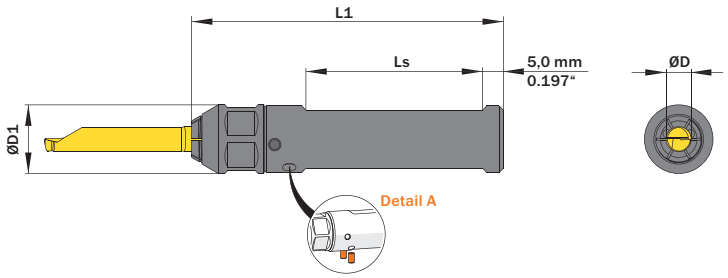
Tightening torque (screw)
15,0 Nm - 25,0 Nm

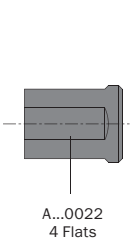
Please read add. notes
MASTER (Page 124), T02 (Page 125)

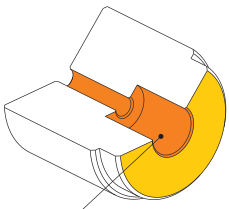
TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1195**

This page contains inch tools! These tools are indicated by inch on the right hand side.







Drawing shows: A06.0016.ME ST T

Discover our new simturn AX toolholder „ME“.
Or visit
https://simtek.com/AXME/

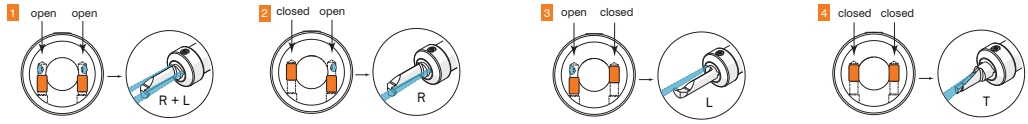
ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
Continued Table		Related Items can be found on the previous page as well!							
6,0	12,0	**A06.0012.ME ST T**	AZJ5	16,5	70,0	37,5	A00.K.16.12.108	A06.L | A06.R | A06T	
0.236“	0.500“	**A06.0.500.ME ST T**	A0YK	0.650“	2.756“	1.476“	A00.K.16.12.108	A06.L | A06.R | A06T	inch
0.236“	0.625“	**A06.0.625.ME ST T**	AZN4	0.650“	2.953“	1.673“	A00.K.16.12.108	A06.L | A06.R | A06T	inch
6,0	16,0	**A06.0016.ME ST T**	AY7M	16,5	75,0	42,5	A00.K.16.12.108	A06.L | A06.R | A06T	
0.236“	0.750“	**A06.0.750.ME ST T**	AZNK	0.650“	4.331“	3.051“	A00.K.16.12.108	A06.L | A06.R | A06T	inch
6,0	20,0	**A06.0020.ME ST T**	AY7N	16,5	90,0	57,5	A00.K.16.12.108	A06.L | A06.R | A06T	
6,0	22,0	**A06.0022.ME ST T**	AZJ6	16,5	110,0	77,5	A00.K.16.12.108	A06.L | A06.R | A06T	
6,0	23,0	**A06.0023.ME ST T**	AZJ7	16,5	110,0	77,5	A00.K.16.12.108	A06.L | A06.R | A06T	
6,0	25,0	**A06.0025.ME ST T**	AY7P	16,5	110,0	77,5	A00.K.16.12.108	A06.L | A06.R | A06T	
0.236“	1.000“	**A06.1.000.ME ST T**	A0ZJ	0.650“	4.331“	3.051“	A00.K.16.12.108	A06.L | A06.R | A06T	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A06.0016.ME ST T**

The Connectcode „A06T“ is provided for customized cutting tools with coolant supply through the insert.

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



Toolholder, Internal Applications, Round Shank, „ME“

Steel round shank, equipped with our brand new 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.

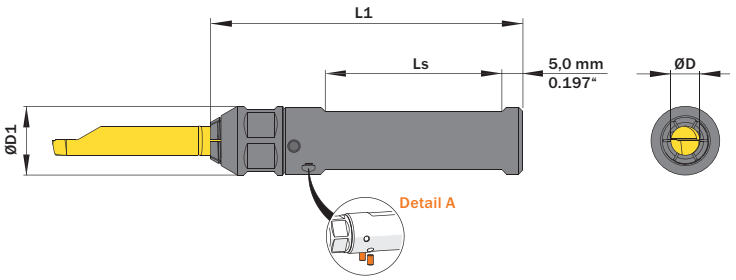
Tightening torque (screw)
15,0 Nm - 25,0 Nm

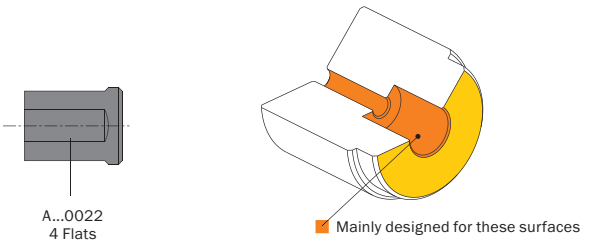
Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1168**

This page contains inch tools! These tools are indicated by inch on the right hand side.





Drawing shows: A07.0016.ME ST T

Discover our new simturn AX toolholder „ME“.
Or visit
https://simtek.com/AXME/

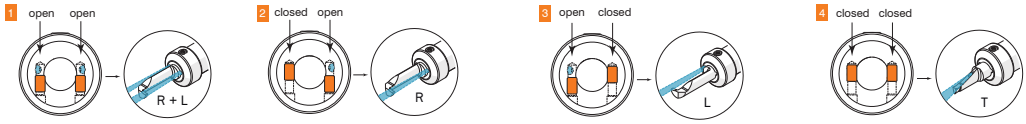
ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**							
0.276“	0.625“	**A07.0.625.ME ST T**	AZN5	0.650“	2.953“	1.673“	A00.K.16.12.108	A07.L|A07.R|A07T	inch
7,0	16,0	**A07.0016.ME ST T**	AY7Q	16,5	75,0	42,5	A00.K.16.12.108	A07.L|A07.R|A07T	
0.276“	0.750“	**A07.0.750.ME ST T**	AZNM	0.650“	4.331“	3.051“	A00.K.16.12.108	A07.L|A07.R|A07T	inch
7,0	20,0	**A07.0020.ME ST T**	AY7S	16,5	90,0	57,5	A00.K.16.12.108	A07.L|A07.R|A07T	
7,0	22,0	**A07.0022.ME ST T**	AZM0	16,5	110,0	78,0	A00.K.16.12.108	A07.L|A07.R|A07T	
7,0	23,0	**A07.0023.ME ST T**	A011	16,5	110,0	78,0	A00.K.16.12.108	A07.L|A07.R|A07T	
7,0	25,0	**A07.0025.ME ST T**	AY7T	16,5	110,0	78,0	A00.K.16.12.108	A07.L|A07.R|A07T	
0.276“	1.000“	**A07.1.000.ME ST T**	A010	0.650“	4.331“	3.071“	A00.K.16.12.108	A07.L|A07.R|A07T	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A07.0016.ME ST T**

The Connectcode „A07T“ is provided for customized cutting tools with coolant supply through the insert.

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



simturn AX
SIMTEK Small Part Machining Type AX

Toolholder, Internal Applications, Round Shank, „ME“

Steel round shank, equipped with our brand new 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.

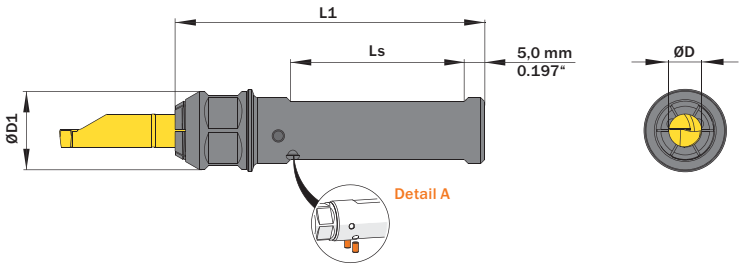
Tightening torque (screw)
15,0 Nm - 25,0 Nm

Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend 126

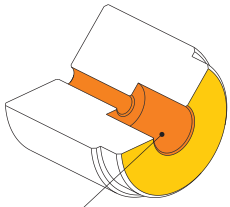
Scan QR-Code | Or Visit **www.simtek.info/cp/1194**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Drawing shows: A08.0016.ME ST T

Discover our new simturn AX toolholder „ME“.
Or visit
https://simtek.com/AXME/



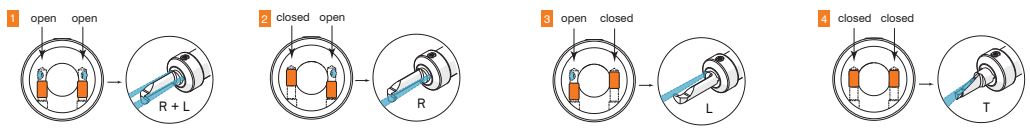
Mainly designed for these surfaces
Also possible depending on insert type

ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
Continued Table		**Related Items can be found on the previous page as well!**							
0.315“	0.625“	**A08.0.625.ME ST T**	A012	0.748“	2.953“	1.654“	A00.K.19.15.138	A08|A08T	inch
8,0	16,0	**A08.0016.ME ST T**	AY67	19,0	75,0	42,0	A00.K.19.15.138	A08|A08T	
0.315“	0.750“	**A08.0.750.ME ST T**	A013	0.748“	4.331“	2.953“	A00.K.19.15.138	A08|A08T	inch
8,0	20,0	**A08.0020.ME ST T**	AY7U	19,0	90,0	55,0	A00.K.19.15.138	A08|A08T	
8,0	25,0	**A08.0025.ME ST T**	AY7V	19,0	110,0	75,0	A00.K.19.15.138	A08|A08T	
0.315“	1.000“	**A08.1.000.ME ST T**	A014	0.748“	4.331“	2.953“	A00.K.19.15.138	A08|A08T	inch

Related Items can be found on the following page as well! Continued Table

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

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



simturn AX
SIMTEK Small Part Machining Type AX

Toolholder, Internal Applications, Round Shank, „ME“

Steel round shank, equipped with our brand new 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.

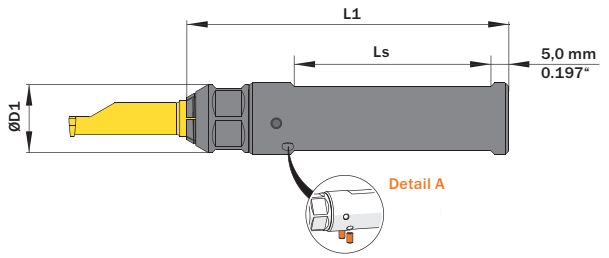
Tightening torque (screw)
15,0 Nm - 25,0 Nm

Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend 126

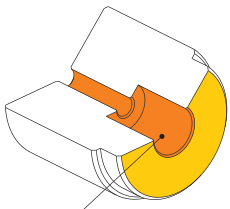
Scan QR-Code | Or Visit **www.simtek.info/cp/1193**

This page contains inch tools! These tools are indicated by inch on the right hand side.



Drawing shows: A10.0020.ME ST T

Discover our new simturn AX toolholder „ME“.
Or visit
https://simtek.com/AXME/



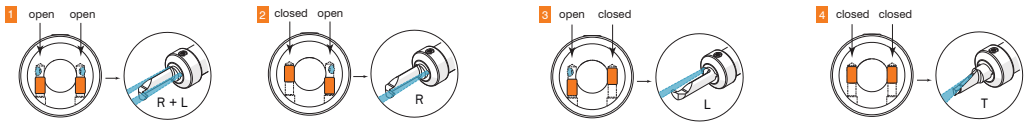
Mainly designed for these surfaces

Also possible depending on insert type

ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
Continued Table		Related Items can be found on the previous page as well!							
0.394“	0.750“	**A10.0.750.ME ST T**	AZUE	0.748“	4.331“	2.953“	A00.K.19.15.138	A10.L|A10.R|A10T	inch
10,0	20,0	**A10.0020.ME ST T**	AY7W	19,0	90,0	55,0	A00.K.19.15.138	A10.L|A10.R|A10T	
10,0	25,0	**A10.0025.ME ST T**	AY7X	19,0	110,0	75,0	A00.K.19.15.138	A10.L|A10.R|A10T	
0.394“	1.000“	**A10.1.000.ME ST T**	A015	0.748“	4.331“	2.953“	A00.K.19.15.138	A10.L|A10.R|A10T	inch

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

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



Toolholder, Internal Applications, Round Shank, „ME“

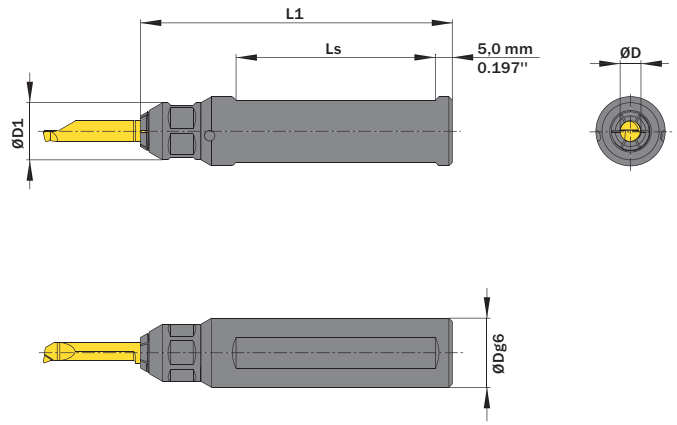
Steel round shank, equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. with through coolant.

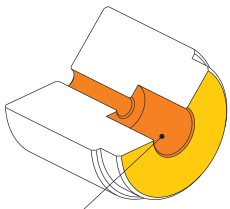
Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend | 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1273**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Mainly designed for these Surfaces

Also possible depending on insert type

ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
5,0	12,0	**A05.0012.ME IC**	A1ZZ	14,5	70,0	41,0	A00.K.14.12.88	A05T	
0.197“	0.500“	**A05.0.500.ME IC**	A1ZW	0.571“	2.756“	1.614“	A00.K.14.12.88	A05T	inch
0.197“	0.625“	**A05.0.625.ME IC**	A1ZX	0.571“	2.953“	1.811“	A00.K.14.12.88	A05T	inch
5,0	16,0	**A05.0016.ME IC**	A1Z0	14,5	75,0	46,0	A00.K.14.12.88	A05T	
0.197“	0.750“	**A05.0.750.ME IC**	A1ZY	0.571“	4.331“	3.071“	A00.K.14.12.88	A05T	inch
5,0	20,0	**A05.0020.ME IC**	A1Z1	14,5	90,0	58,0	A00.K.14.12.88	A05T	
5,0	22,0	**A05.0022.ME IC**	A1Z2	14,5	110,0	79,0	A00.K.14.12.88	A05T	
5,0	25,0	**A05.0025.ME IC**	A1Z3	14,5	110,0	79,0	A00.K.14.12.88	A05T	
0.197“	1.000“	**A05.1.000.ME IC**	A1Z4	0.571“	4.331“	3.110“	A00.K.14.12.88	A05T	inch

Order example: **A05.1.000.ME IC**

Toolholder, Internal Applications, Round Shank, „ME“

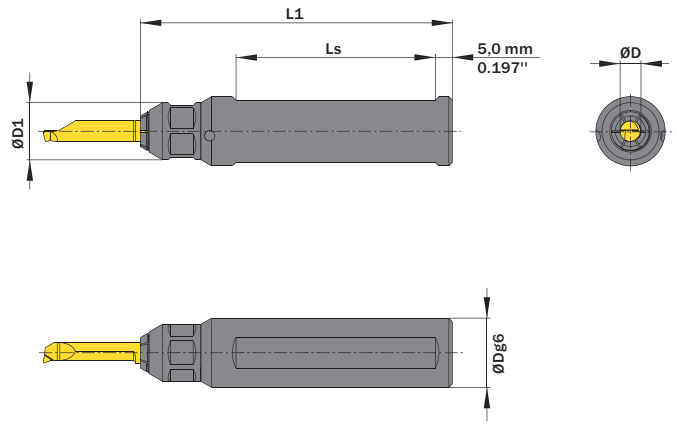
Steel round shank, equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. with through coolant.

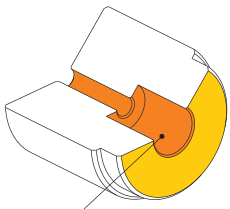
Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1274**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Mainly designed for these Surfaces

Also possible depending on insert type

ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
6,0	12,0	**A06.0012.ME IC**	A1Z8	16,5	70,0	37,5	A00.K.16.12.108	A06T	
0.236“	0.500“	**A06.0.500.ME IC**	A1Z5	0.650“	2.756“	1.476“	A00.K.16.12.108	A06T	inch
0.236“	0.625“	**A06.0.625.ME IC**	A1Z6	0.650“	2.953“	1.673“	A00.K.16.12.108	A06T	inch
6,0	16,0	**A06.0016.ME IC**	A1Z9	16,5	75,0	42,5	A00.K.16.12.108	A06T	
0.236“	0.750“	**A06.0.750.ME IC**	A1Z7	0.650“	4.331“	3.051“	A00.K.16.12.108	A06T	inch
6,0	20,0	**A06.0020.ME IC**	A10A	16,5	90,0	57,5	A00.K.16.12.108	A06T	
6,0	22,0	**A06.0022.ME IC**	A10B	16,5	110,0	77,5	A00.K.16.12.108	A06T	
6,0	25,0	**A06.0025.ME IC**	A10C	16,5	110,0	77,5	A00.K.16.12.108	A06T	
0.236“	1.000“	**A06.1.000.ME IC**	A10D	0.650“	4.331“	3.051“	A00.K.16.12.108	A06T	inch

Order example: **A06.0025.ME IC**

Toolholder, Internal Applications, Round Shank, „ME“

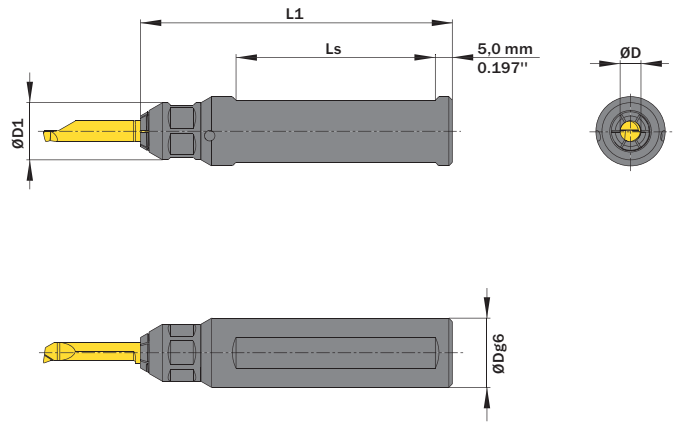
Steel round shank, equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. with through coolant.

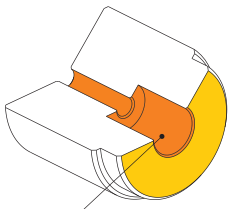
Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST ME Legend 126

Scan QR-Code Or Visit **www.simtek.info/cp/1275**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Mainly designed for these Surfaces

Also possible depending on insert type

ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
0.276“	0.625“	**A07.0.625.ME IC**	A10E	0.650“	2.953“	1.673“	A00.K.16.12.108	A07T	inch
7,0	16,0	**A07.0016.ME IC**	A10G	16,5	75,0	42,5	A00.K.16.12.108	A07T	
0.276“	0.750“	**A07.0.750.ME IC**	A10F	0.650“	4.331“	3.051“	A00.K.16.12.108	A07T	inch
7,0	20,0	**A07.0020.ME IC**	A10H	16,5	90,0	57,5	A00.K.16.12.108	A07T	
7,0	22,0	**A07.0022.ME IC**	A10J	16,5	110,0	79,0	A00.K.16.12.108	A07T	
7,0	25,0	**A07.0025.ME IC**	A10K	16,5	110,0	78,0	A00.K.16.12.108	A07T	
0.276“	1.000“	**A07.1.000.ME IC**	A10M	0.650“	4.331“	3.051“	A00.K.16.12.108	A07T	inch

Order example: **A07.1.000.ME IC**

Toolholder, Internal Applications, Round Shank, „ME“

Steel round shank, equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. with through coolant.

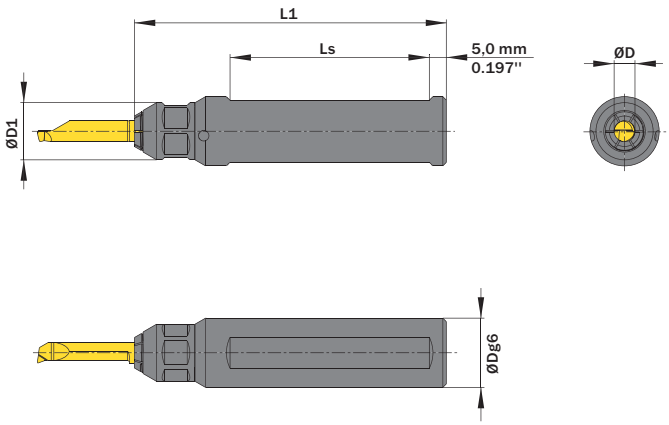
Tightening torque (screw)
15,0 Nm - 25,0 Nm

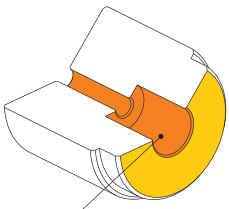
Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1276**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Mainly designed for these Surfaces

Also possible depending on insert type

ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØD1 mm/inch	L1 mm/inch	Ls mm/inch	Standard screw nut	Connectcode www.simtek.com/ccode	
0.315“	0.625“	**A08.0.625.ME IC**	A10N	0.748“	2.953“	1.654“	A00.K.19.15.138	A08T	inch
8,0	16,0	**A08.0016.ME IC**	A10Q	19,0	75,0	42,0	A00.K.19.15.138	A08T	
0.315“	0.750“	**A08.0.750.ME IC**	A10P	0.748“	4.331“	2.953“	A00.K.19.15.138	A08T	inch
8,0	20,0	**A08.0020.ME IC**	A10S	19,0	110,0	75,0	A00.K.19.15.138	A08T	
8,0	22,0	**A08.0022.ME IC**	A2TF	19,0	110,0	75,0	A00.K.19.15.138	A08T	
8,0	25,0	**A08.0025.ME IC**	A10T	19,0	110,0	75,0	A00.K.19.15.138	A08T	
0.315“	1.000“	**A08.1.000.ME IC**	A10U	0.748“	4.331“	2.953“	A00.K.19.15.138	A08T	inch

Order example: **A08.0022.ME IC**

For customized cutting tools also available as of size A04.

Toolholder, Internal Applications

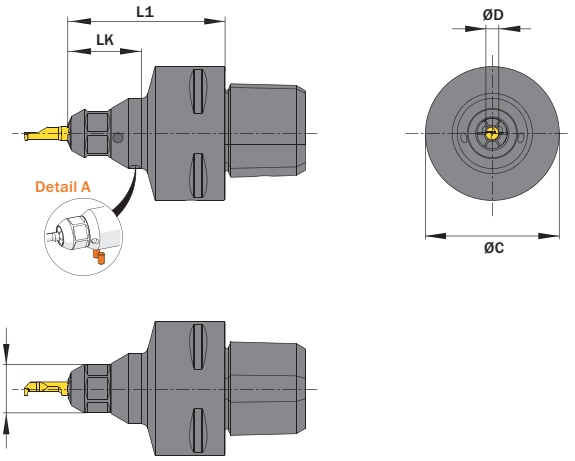
SIMTEK toolholder with polygon shank according to ISO 26623 with our new ME-clamping-system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required. .

Tightening torque (screw)
15,0 Nm - 25,0 Nm

Please read add. notes
MASTER (Page 124), T02 (Page 125)

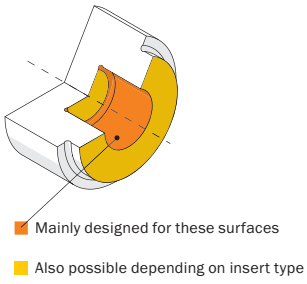
TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1199**



Drawing shows: A04.00C4.05.ME T

Discover our new simturn AX toolholder „ME".
Or visit
https://simtek.com/AXME/

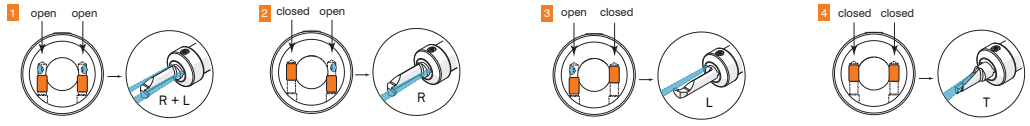


Polygon shank size	ØD mm	Part number	Webcode www.simtek.com/webcode	ØD1 mm	ØC mm	L1 mm	LK mm	Standard screw nut	Connectcode www.simtek.com/ccode
Continued Table		Related Items can be found on the previous page as well!							
▼ ØD = 4,0 mm									
C3	4,0	**A04.00C3.00.ME T**	A2PJ	14,5	40,0	67,0	30,0	A00.K.14.12.88	A04.L|A04.R|A04C.L A04C.R|A04T
C4	4,0	**A04.00C4.00.ME T**	AZFD	14,5	40,0	47,0	22,0	A00.K.14.12.88	A04.L|A04.R|A04C.L A04C.R|A04T
▼ ØD = 5,0 mm									
C3	5,0	**A05.00C3.00.ME T**	A2G0	14,5	40,0	67,0	30,0	A00.K.14.12.88	A05.L|A05.R|A05T
C4	5,0	**A05.00C4.00.ME T**	AZUW	14,5	40,0	47,0	23,5	A00.K.14.12.88	A05.L|A05.R|A05T
▼ ØD = 6,0 mm									
C3	6,0	**A06.00C3.00.ME T**	A1QY	16,5	40,0	67,0	30,0	A00.K.16.12.108	A05.L|A06.R|A06T
C4	6,0	**A06.00C4.00.ME T**	A45B	14,5	40,0	47,0	30,0	A00.K.16.12.108	A06.L|A06.R|A06T

Order example: **A04.00C4.00.ME T**

The Connectcodes „A04T", „A05T" and „A06T" are provided for customized cutting tools with coolant supply through the insert.

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



Toolholder, Internal Applications, VDI, „ME“

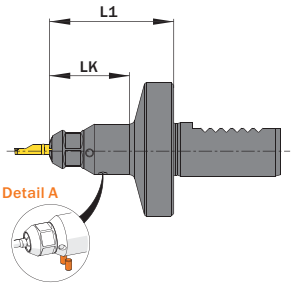
Toolholder with VDI-Fixation, equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

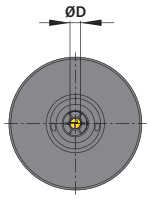
Tightening torque (screw)
15,0 Nm - 25,0 Nm

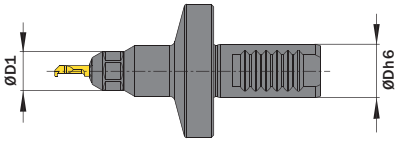
Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1224**

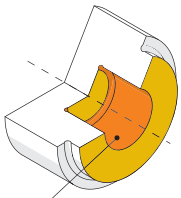






Discover our new simturn AX toolholder „ME“.

Or visit
https://simtek.com/AXME/



Mainly designed for these surfaces

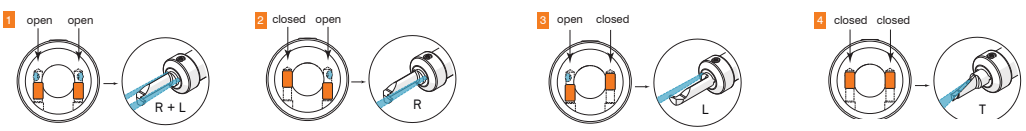
Also possible depending on insert type

ØD mm	ØDh6 mm	Part number	Webcode www.simtek.com/webcode	ØD1 mm	L1 mm	LK mm	Standard screw nut	Connectcode www.simtek.com/ccode
▼ ØDh6 = 16,0 mm								
4,0	16,0	**A04.VD16.ME T**	AZV2	14,5	41,5	30,0	A00.K.14.12.88	A04.L|A04.R|A04C.L A04C.R|A04T
5,0	16,0	**A05.VD16.ME T**	AZV9	14,5	41,5	30,0	A00.K.14.12.88	A05.L|A05.R|A05T
6,0	16,0	**A06.VD16.ME T**	AZWG	16,5	41,5	30,0	A00.K.16.12.108	A06.L|A06.R|A06T
▼ ØDh6 = 20,0 mm								
4,0	20,0	**A04.VD20.ME T**	AZV4	14,5	46,5	30,0	A00.K.14.12.88	A04.L|A04.R|A04C.L A04C.R|A04T
5,0	20,0	**A05.VD20.ME T**	AZWA	14,5	46,5	30,0	A00.K.14.12.88	A05.L|A05.R|A05T
6,0	20,0	**A06.VD20.ME T**	AZWJ	16,5	46,5	30,0	A00.K.16.12.108	A06.L|A06.R|A06T
▼ ØDh6 = 25,0 mm								
4,0	25,0	**A04.VD25.ME T**	AF3W	14,5	52,0	30,0	A00.K.14.12.88	A04.L|A04.R|A04C.L A04C.R|A04T
5,0	25,0	**A05.VD25.ME T**	AZWC	14,5	52,0	30,0	A00.K.14.12.88	A05.L|A05.R|A05T
6,0	25,0	**A06.VD25.ME T**	AJYQ	16,5	52,0	30,0	A00.K.16.12.108	A06.L|A06.R|A06T
▼ ØDh6 = 30,0 mm								
4,0	30,0	**A04.VD30.ME T**	AATY	14,5	52,0	30,0	A00.K.14.12.88	A04.L|A04.R|A04C.L A04C.R|A04T
5,0	30,0	**A05.VD30.ME T**	AZWE	14,5	52,0	30,0	A00.K.14.12.88	A05.L|A05.R|A05T
6,0	30,0	**A06.VD30.ME T**	AZWN	16,5	52,0	30,0	A00.K.16.12.108	A06.L|A06.R|A06T

Related Items can be found on the following page as well! Continued Table

Order example: **A04.VD16.ME T**

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



Toolholder, Internal Applications, VDI, „ME“

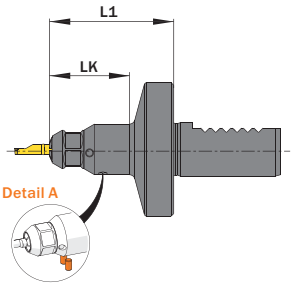
Toolholder with VDI-Fixation, equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

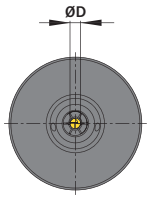
Tightening torque (screw)
15,0 Nm - 25,0 Nm

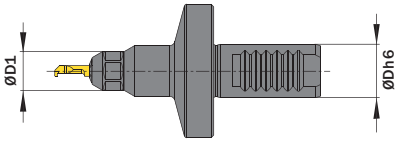
Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1225**

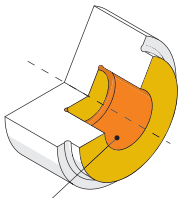






Discover our new simturn AX toolholder „ME“.

Or visit
https://simtek.com/AXME/



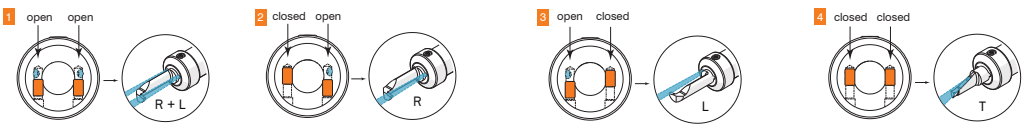
Mainly designed for these surfaces

Also possible depending on insert type

ØD mm	ØDh6 mm	Part number	Webcode www.simtek.com/webcode	ØD1 mm	L1 mm	LK mm	Standard screw nut	Connectcode www.simtek.com/ccode
◀ Continued Table		**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	A00.K.16.12.108	A07.L|A07.R|A07T
8,0	16,0	**A08.VD16.ME T**	AZWZ	19,0	41,5	30,0	A00.K.19.15.138	A08|A08T
10,0	16,0	**A10.VD16.ME T**	AZW6	19,0	41,5	30,0	A00.K.19.15.138	A10.L|A10.R|A10T
▼ ØDh6 = 20,0 mm								
7,0	20,0	**A07.VD20.ME T**	AZWT	16,5	46,5	30,0	A00.K.16.12.108	A07.L|A07.R|A07T
8,0	20,0	**A08.VD20.ME T**	AZW1	19,0	46,5	30,0	A00.K.19.15.138	A08|A08T
10,0	20,0	**A10.VD20.ME T**	AC43	19,0	46,5	30,0	A00.K.19.15.138	A10.L|A10.R|A10T
▼ ØDh6 = 25,0 mm								
7,0	25,0	**A07.VD25.ME T**	AZWV	16,5	52,0	30,0	A00.K.16.12.108	A07.L|A07.R|A07T
8,0	25,0	**A08.VD25.ME T**	AD86	19,0	52,0	30,0	A00.K.19.15.138	A08|A08T
10,0	25,0	**A10.VD25.ME T**	ACSB	19,0	52,0	30,0	A00.K.19.15.138	A10.L|A10.R|A10T
▼ ØDh6 = 30,0 mm								
7,0	30,0	**A07.VD30.ME T**	AZWX	16,5	52,0	30,0	A00.K.16.12.108	A07.L|A07.R|A07T
8,0	30,0	**A08.VD30.ME T**	AZW3	19,0	52,0	30,0	A00.K.19.15.138	A08|A08T
10,0	30,0	**A10.VD30.ME T**	AZXA	19,0	52,0	30,0	A00.K.19.15.138	A10.L|A10.R|A10T

Order example: **A07.VD16.ME T**

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



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

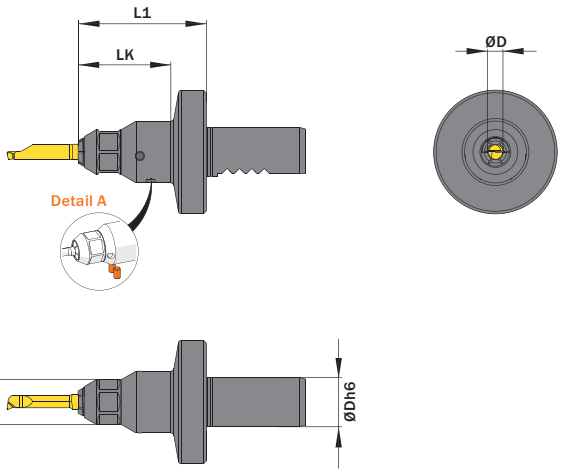
Toolholder with VDI-Fixation, equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability.

Tightening torque (screw)
15,0 Nm - 25,0 Nm

Please read add. notes
MASTER (Page 124), T02 (Page 125)

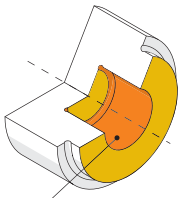
TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1235**



Discover our new simturn AX toolholder „ME“.

Or visit
https://simtek.com/AXME/



Mainly designed for these surfaces

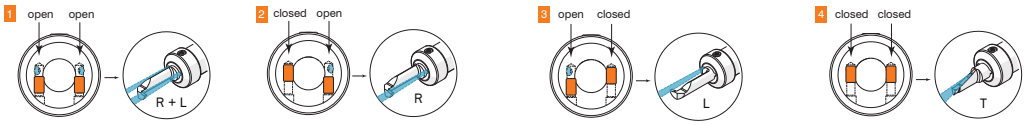
Also possible depending on insert type

ØD mm	ØDh6 mm	Part number	Webcode www.simtek.com/webcode	ØD1 mm	L1 mm	LK mm	Standard screw nut	Connectcode www.simtek.com/ccode
▼ **Standard screw nut = A00.K.14.12.88**								
4,0	16,0	**A04.VD16.B.ME T**	AZV3	14,5	41,5	30,0	A00.K.14.12.88	A04.R|A04C.R|A04T
4,0	20,0	**A04.VD20.B.ME T**	AZV5	14,5	46,5	30,0	A00.K.14.12.88	A04.R|A04C.R|A04T
4,0	25,0	**A04.VD25.B.ME T**	AZV6	14,5	52,0	30,0	A00.K.14.12.88	A04.R|A04C.R|A04T
4,0	30,0	**A04.VD30.B.ME T**	AZV7	14,5	52,0	30,0	A00.K.14.12.88	A04.R|A04C.R|A04T
5,0	16,0	**A05.VD16.B.ME T**	AZUX	14,5	41,5	30,0	A00.K.14.12.88	A05.R|A05T
5,0	20,0	**A05.VD20.B.ME T**	AZWB	14,5	46,5	30,0	A00.K.14.12.88	A05.R|A05T
5,0	25,0	**A05.VD25.B.ME T**	AZWD	14,5	52,0	30,0	A00.K.14.12.88	A05.R|A05T
5,0	30,0	**A05.VD30.B.ME T**	AZWF	14,5	52,0	30,0	A00.K.14.12.88	A05.R|A05T
▼ **Standard screw nut = A00.K.16.12.108**								
6,0	16,0	**A06.VD16.B.ME T**	AZWH	16,5	41,5	30,0	A00.K.16.12.108	A06.R|A06T
6,0	20,0	**A06.VD20.B.ME T**	AZWK	16,5	46,5	30,0	A00.K.16.12.108	A06.R|A06T
6,0	25,0	**A06.VD25.B.ME T**	AZWM	16,5	52,0	30,0	A00.K.16.12.108	A06.R|A06T
6,0	30,0	**A06.VD30.B.ME T**	AZWP	16,5	52,0	30,0	A00.K.16.12.108	A06.R|A06T

Related Items can be found on the following page as well! Continued Table

Order example: **A06.VD16.B.ME T**

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



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

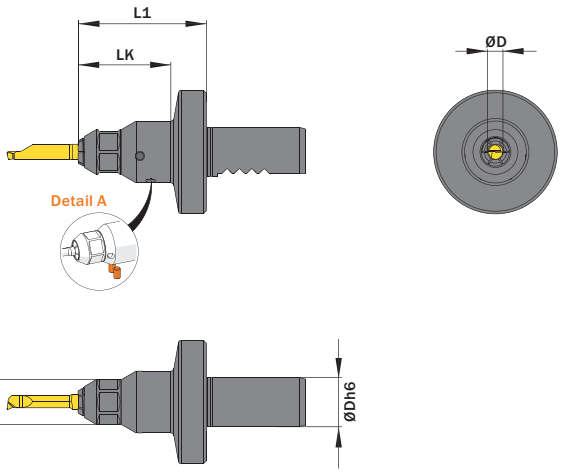
Toolholder with VDI-Fixation, equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

Tightening torque (screw)
15,0 Nm - 25,0 Nm

Please read add. notes
MASTER (Page 124), T02 (Page 125)

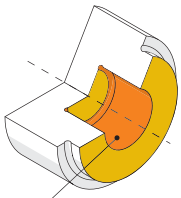
TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1236**



Discover our new simturn AX toolholder „ME“.

Or visit
https://simtek.com/AXME/



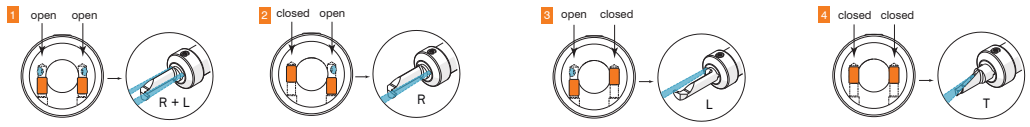
Mainly designed for these surfaces

Also possible depending on insert type

ØD mm	ØDh6 mm	Part number	Webcode www.simtek.com/webcode	ØD1 mm	L1 mm	LK mm	Standard screw nut	Connectcode www.simtek.com/ccode
◀ Continued Table		**Related Items can be found on the previous page as well!**						
▼ ØDh6 = 16,0 mm								
7,0	16,0	**A07.VD16.B.ME T**	AZWS	16,5	41,5	30,0	A00.K.16.12.108	A07.R|A07T
8,0	16,0	**A08.VD16.B.ME T**	AZW0	19,0	41,5	30,0	A00.K.19.15.138	A08|A08T
10,0	16,0	**A10.VD16.B.ME T**	AZW7	19,0	41,5	30,0	A00.K.19.15.138	A10.R|A10T
▼ ØDh6 = 20,0 mm								
7,0	20,0	**A07.VD20.B.ME T**	AZWU	16,5	46,5	30,0	A00.K.16.12.108	A07.R|A07T
8,0	20,0	**A08.VD20.B.ME T**	AZW2	19,0	46,5	30,0	A00.K.19.15.138	A08|A08T
10,0	20,0	**A10.VD20.B.ME T**	AZW8	19,0	46,5	30,0	A00.K.19.15.138	A10.R|A10T
▼ ØDh6 = 25,0 mm								
7,0	25,0	**A07.VD25.B.ME T**	AZWW	16,5	52,0	30,0	A00.K.16.12.108	A07.R|A07T
8,0	25,0	**A08.VD25.B.ME T**	AZW4	19,0	52,0	30,0	A00.K.19.15.138	A08|A08T
10,0	25,0	**A10.VD25.B.ME T**	AZW9	19,0	52,0	30,0	A00.K.19.15.138	A10.R|A10T
▼ ØDh6 = 30,0 mm								
7,0	30,0	**A07.VD30.B.ME T**	AZWY	16,5	52,0	30,0	A00.K.16.12.108	A07.R|A07T
8,0	30,0	**A08.VD30.B.ME T**	AZW5	19,0	52,0	30,0	A00.K.19.15.138	A08|A08T
10,0	30,0	**A10.VD30.B.ME T**	AZXB	19,0	52,0	30,0	A00.K.19.15.138	A10.R|A10T

Order example: **A07.VD20.B.ME T**

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



Height-Adjustable Cassette for back operations, „ME“

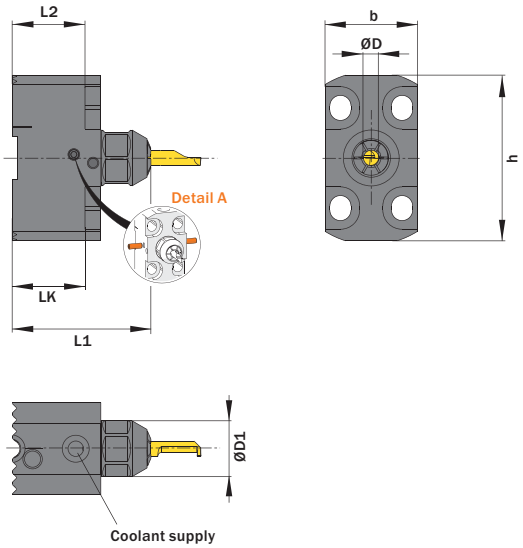
Cassette for height-adjustable back operations tools. Compatible to TOG-System by precium, equipped with our brand new ME-clamping system. The ME-system provides force-fitted clamping along with higher precision and stability. Four different types of through coolant supply can be realized as required.

Tightening torque (screw)
15,0 Nm - 25,0 Nm

Please read add. notes
MASTER (Page 124), T02 (Page 125)

TW ST | ME | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1221**



Drawing shows: TOG.K.A04.A1.ME T

Discover our new simturn AX toolholder „ME“.

Or visit
https://simtek.com/AXME/

More information on www.precium.de

Illustration only

ØD mm	Part number	Webcode www.simtek.com/iwebcode	b mm	ØD1 mm	h mm	L1 mm	L2 mm	LK mm	Standard screw nut	Connectcode www.simtek.com/ccode
4,0	**TOG.K.A04.A1.ME T**	AZMX	24,0	14,5	43,0	36,0	18,9	18,9	A00.K.14.12.88	A04.R | A04C.R | A04T
5,0	**TOG.K.A05.A1.ME T**	AZMY	24,0	14,5	43,0	39,5	18,9	18,9	A00.K.14.12.88	A05.R | A05T
6,0	**TOG.K.A06.A1.ME T**	AZMZ	24,0	16,5	43,0	39,5	18,9	18,9	A00.K.16.12.108	A06.R | A06T

Order example: **TOG.K.A04.A1.ME T**

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

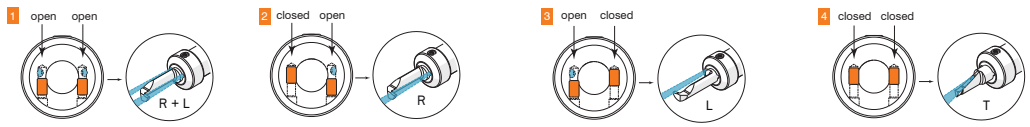


Illustration only

Toolholder, Internal Applications, Round Shank

Round shank with through coolant. For difficult clamping and machine conditions with potential cutting edge height variation.

Tightening torque (screw)

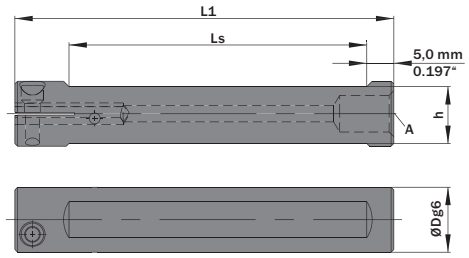
"A M2,6X8 T8F": 1,2 Nm
"A M3x9 T9F": 2,8 Nm

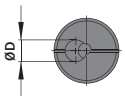
Please read add. notes
MASTER (Page 124)

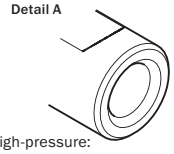
TW ST | R | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/740**

Drawing shows: A04.0012.C R

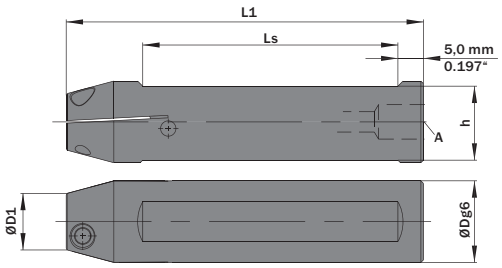


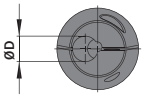


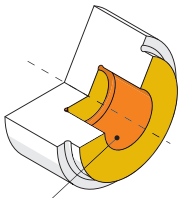


In high-pressure:
connection thread < 0.6299": M8 x 1
connection thread ≥ 0.6299": G 1/8"

Drawing shows: A05.0016.C R







Mainly designed for these Surfaces

Also possible depending on insert type

ØD mm	ØDg6 mm	Part number	Webcode www.simtek.com/webcode	ØD1 mm	h mm	Ls mm	L1 mm	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode
▼ ØD = 4,0 mm											
4,0	10,0	**A04.0010.C R**	APAU	-	9,0	55,0	70,0	2	A M2,6X8 T8F	T8F	A04C.R
4,0	12,0	**A04.0012.C R/L**	R AADT L AB0D	-	10,5	55,0	70,0	2	A M2,6X8 T8F	T8F	R A04C.R L A04C.L
4,0	16,0	**A04.0016.C R/L**	R ADB3 L ANET	11,0	14,5	-	70,0	2	A M3x9 T9F	T9IP	R A04C.R L A04C.L
▼ ØD = 5,0 mm											
5,0	12,0	**A05.0012.C R/L**	R AMJM L AFPU	-	10,5	55,0	70,0	2	A M2,6X8 T8F	T8F	R A05.R L A05.L
5,0	16,0	**A05.0016.C R/L**	R ADN6 L APT0	11,0	14,5	-	70,0	2	A M3x9 T9F	T9IP	R A05.R L A05.L
▼ ØD = 6,0 mm											
6,0	16,0	**A06.0016.C R/L**	R AJ9Q L AGDE	-	14,5	55,0	70,0	2	A M3x9 T9F	T9IP	R A06.R L A06.L
▼ ØD = 7,0 mm											
7,0	16,0	**A07.0016.C R/L**	R AES3 L AC5J	-	14,5	55,0	70,0	2	A M3x9 T9F	T9IP	R A07.R L A07.L

Order example: **A06.0016.C R** (R = Right hand version)

Toolholder, Internal Applications, Round Shank

Round shank with through coolant. For difficult clamping and machine conditions with potential cutting edge height variation.

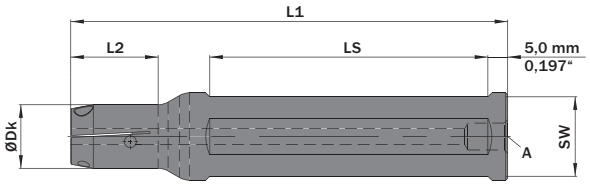
Tightening torque (screw)
2,8 Nm

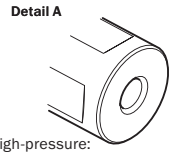
Please read add. notes
MASTER (Page 124)

TW ST | R | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/741**

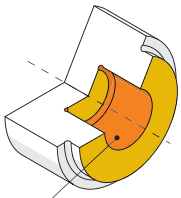
This page contains inch tools! These tools are indicated by **inch** on the right hand side.





In high-pressure:
connection thread < 0.6299“: M8 x 1
connection thread ≥ 0.6299“: G 1/8“

Drawing shows: A04.0022.C R



Mainly designed for these Surfaces

Also possible depending on insert type

ØD mm/inch	ØDg6 mm/inch	Part number	Webcode www.simtek.com/webcode	ØDk mm/inch	ØD1 mm/inch	Ls mm/inch	L1 mm/inch	L2 mm/inch	SW mm/inch	Number of flats	Screw	Screw driver	Connectcode www.simtek.com/ccode	
▼ ØD = 4,0 mm / 0.157“														
0.157“	0.750“	**A04.0.750.C R/L**	R AAKA L APY0	0.630“	0.551“	2.756“	4.331“	0.866“	0.669“	2	AM3x9 T9F	T9IP	R A04C.R L A04C.L	inch
4,0	20,0	**A04.0020.153.C R/L**	R AH5H L AFK7	16,0	14,0	70,0	153,0	22,0	18,0	4	AM3x9 T9F	T9IP	R A04C.R L A04C.L	
4,0	20,0	**A04.0020.C R/L**	R AEUA L APJ5	16,0	14,0	70,0	110,0	22,0	18,0	2	AM3x9 T9F	T9IP	R A04C.R L A04C.L	
4,0	22,0	**A04.0022.C R/L**	R ABGV L AJ6K	16,0	14,0	70,0	110,0	22,0	20,0	4	AM3x9 T9F	T9IP	R A04C.R L A04C.L	
▼ ØD = 5,0 mm / 0.197“														
0.197“	0.750“	**A05.0.750 C R/L**	R AJ4M L ADB6	0.630“	0.551“	2.756“	4.331“	0.866“	0.669“	2	AM3x9 T9F	T9IP	R A05.R L A05.L	inch
5,0	20,0	**A05.0020.153.C R/L**	R AFVK L AH9V	16,0	14,0	70,0	153,0	22,0	18,0	4	AM3x9 T9F	T9IP	R A05.R L A05.L	
5,0	20,0	**A05.0020.C R/L**	R APH7 L AD61	16,0	14,0	70,0	110,0	22,0	18,0	2	AM3x9 T9F	T9IP	R A05.R L A05.L	
5,0	22,0	**A05.0022.C R**	AMT4	16,0	14,0	70,0	110,0	22,0	20,0	4	AM3x9 T9F	T9IP	A05.R	
▼ ØD = 6,0 mm / 0.236“														
0.236“	0.750“	**A06.0.750 C R**	AJ88	0.630“	0.551“	2.756“	4.331“	0.866“	0.669“	2	AM3x9 T9F	T9IP	A06.R	inch
6,0	20,0	**A06.0020.153.C R/L**	R AK0X L ANUF	16,0	14,0	70,0	153,0	22,0	18,0	4	AM3x9 T9F	T9IP	R A06.R L A06.L	
6,0	20,0	**A06.0020.C R/L**	R AE5C L AMYB	16,0	14,0	70,0	110,0	22,0	18,0	2	AM3x9 T9F	T9IP	R A06.R L A06.L	
6,0	22,0	**A06.0022.C R/L**	R AMCQ L AHXF	16,0	14,0	70,0	110,0	22,0	20,0	4	AM3x9 T9F	T9IP	R A06.R L A06.L	
▼ ØD = 7,0 mm / 0.276“														
0.276“	0.750“	**A07.0.750 C R**	APSH	0.630“	0.551“	2.756“	4.331“	0.866“	0.669“	2	AM3x9 T9F	T9IP	A07.R	inch
7,0	20,0	**A07.0020.153.C R/L**	R AK37 L ABG9	16,0	14,0	70,0	153,0	22,0	18,0	4	AM3x9 T9F	T9IP	R A07.R L A07.L	
7,0	20,0	**A07.0020.C R/L**	R AACS L AADM	16,0	14,0	70,0	110,0	22,0	18,0	2	AM3x9 T9F	T9IP	R A07.R L A07.L	
7,0	22,0	**A07.0022.C R/L**	R AB9K L AD1J	16,0	14,0	70,0	110,0	22,0	20,0	4	AM3x9 T9F	T9IP	R A07.R L A07.L	

Order example: **A05.0022.C R** (R = Right hand version)

Toolholder, Internal Applications, Square Shank

90 degree cranked style.

Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST R Legend 126

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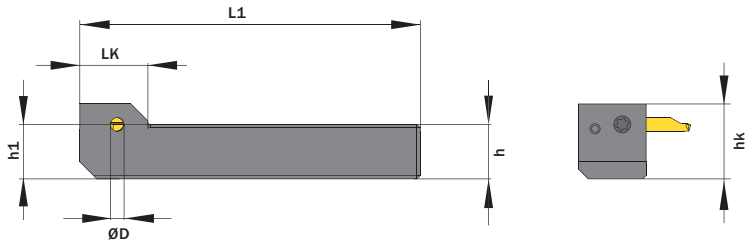
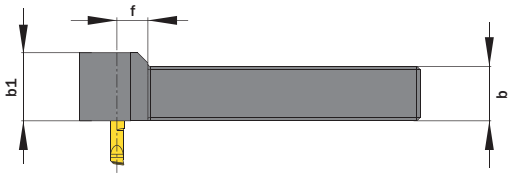
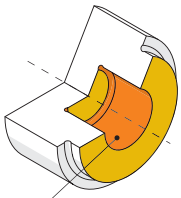
This page contains inch tools! These tools are indicated by **inch** on the right hand side.







Mainly designed for these surfaces

Also possible depending on insert type

Drawing shows: A04.1616.G.100 R

ØD	h	b	L1	Part number	Webcode www.simtek.com/webcode				b1	f	hk	h1	LK	Screw	Screw driver	Connectcode www.simtek.com/ccode				
mm/inch	mm/inch	mm/inch	mm/inch						mm/inch	mm/inch	mm/inch	mm/inch	mm/inch							
▼ ØD = 4,0 mm																				
4,0	12,0	12,0	80,0	**A04.1212.G.080 R/L**	R	AW2V	L	AW2U	20,0	9,0	18,0	12,0	20,0	AM6x7,5T15F	T15F	R	A04.R|A04C.R	L	A04.L|A04C.L	
4,0	16,0	16,0	100,0	**A04.1616.G.100 R/L**	R	AW4E	L	AW2W	20,0	9,0	22,0	16,0	20,0	AM6x7,5T15F	T15F	R	A04.R|A04C.R	L	A04.L|A04C.L	
▼ ØD = 5,0 mm / 0.197“																				
0.197“	0.500“	0.500“	3.149“	**A05.0.500.G.080 R**		A5AV			0.984“	0.354“	0.709“	0.500“	0.787“	AM6x7,5T15F	T15F		A05.R			inch
0.197“	0.625“	0.625“	3.937“	**A05.0.625.G.100 R**		A5AX			0.984“	0.354“	0.866“	0.625“	0.787“	AM6x7,5T15F	T15F		A05.R			inch
5,0	12,0	12,0	80,0	**A05.1212.G.080 R/L**	R	AW2Y	L	AW2X	25,0	9,0	18,0	12,0	20,0	AM6x7,5T15F	T15F	R	A05.R	L	A05.L	
5,0	16,0	16,0	100,0	**A05.1616.G.100 R/L**	R	AW20	L	AW2Z	25,0	9,0	22,0	16,0	20,0	AM6x7,5T15F	T15F	R	A05.R	L	A05.L	
▼ ØD = 6,0 mm																				
6,0	12,0	12,0	80,0	**A06.1212.G.080 R/L**	R	AW22	L	AW21	25,0	9,0	18,0	12,0	20,0	AM6x7,5T15F	T15F	R	A06.R	L	A06.L	
6,0	16,0	16,0	100,0	**A06.1616.G.100 R/L**	R	AW24	L	AW23	25,0	9,0	22,0	16,0	20,0	AM6x7,5T15F	T15F	R	A06.R	L	A06.L	
▼ ØD = 7,0 mm																				
7,0	12,0	12,0	80,0	**A07.1212.G.080 R/L**	R	AW26	L	AW25	25,0	9,0	18,0	12,0	20,0	AM6x7,5T15F	T15F	R	A07.R	L	A07.L	
7,0	16,0	16,0	100,0	**A07.1616.G.100 R/L**	R	AW28	L	AW27	25,0	9,0	22,0	16,0	20,0	AM6x7,5T15F	T15F	R	A07.R	L	A07.L	

Order example: **A04.1616.G.100 R** (R = Right hand version)

Toolholder, Internal Applications, Square Shank

Square shank for internal applications.

Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST Legend **126**

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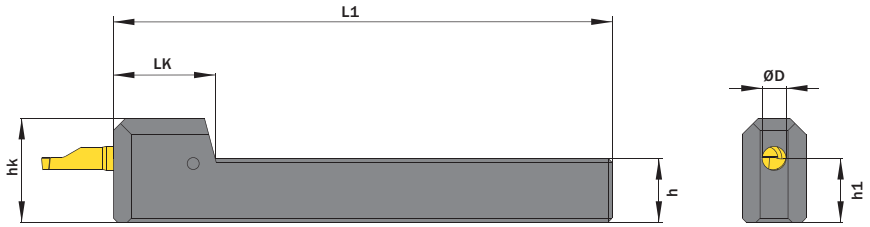
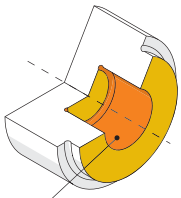
This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Mainly designed for these surfaces

Also possible depending on insert type

Drawing shows: A06.1616

ØD mm/inch	h mm/inch	b mm/inch	Part number	Webcode www.simtek.com/webcode	h1 mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Screw	Screw driver	Connectcode www.simtek.com/ccode	
▼ ØD = 4,0 mm / 0.157“												
0.157“	0.500“	0.500“	**A04.0.500.S**	AJ10	0.500“	0.866“	3.937“	0.748“	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	inch
0.157“	0.625“	0.625“	**A04.0.625.S**	ACQ9	0.625“	0.984“	4.921“	0.748“	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	inch
0.157“	0.750“	0.750“	**A04.0.750.S**	AHP1	0.750“	1.102“	4.921“	0.748“	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	inch
0.157“	1.000“	1.000“	**A04.1.000.S**	AT9S	1.000“	1.339“	5.906“	0.748“	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	inch
4,0	10,0	10,0	**A04.1010**	ACXN	10,0	19,0	100,0	19,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	
4,0	12,0	12,0	**A04.1212**	AF1Y	12,0	21,0	100,0	19,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	
4,0	16,0	16,0	**A04.1616**	AC69	16,0	25,0	125,0	19,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	
4,0	20,0	20,0	**A04.2020**	AD4F	20,0	29,0	125,0	19,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	
4,0	25,0	25,0	**A04.2525**	ATZG	25,0	34,0	150,0	19,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	
▼ ØD = 5,0 mm / 0.197“												
0.197“	0.500“	0.500“	**A05.0.500.S**	AAPM	0.500“	0.886“	3.937“	0.984“	A M6x7,5 T15F	T15F	A05.L|A05.R	inch
0.197“	0.625“	0.625“	**A05.0.625.S**	ANNQ	0.625“	1.004“	4.921“	0.984“	A M6x7,5 T15F	T15F	A05.L|A05.R	inch
0.197“	0.750“	0.750“	**A05.0.750.S**	ANWK	0.750“	1.122“	4.921“	0.984“	A M6x7,5 T15F	T15F	A05.L|A05.R	inch
0.197“	1.000“	1.000“	**A05.1.000.S**	ATZP	1.000“	1.358“	5.906“	0.984“	A M6x7,5 T15F	T15F	A05.L|A05.R	inch
5,0	10,0	10,0	**A05.1010**	AMKZ	10,0	19,5	100,0	25,0	A M6x7,5 T15F	T15F	A05.L|A05.R	
5,0	12,0	12,0	**A05.1212**	ABNX	12,0	21,5	100,0	25,0	A M6x7,5 T15F	T15F	A05.L|A05.R	
5,0	16,0	16,0	**A05.1616**	AJYG	16,0	25,5	125,0	25,0	A M6x7,5 T15F	T15F	A05.L|A05.R	
5,0	20,0	20,0	**A05.2020**	AF6C	20,0	29,5	125,0	25,0	A M6x7,5 T15F	T15F	A05.L|A05.R	
5,0	25,0	25,0	**A05.2525**	ATZH	25,0	34,5	150,0	25,0	A M6x7,5 T15F	T15F	A05.L|A05.R	

Related Items can be found on the following page as well! Continued Table

Order example: **A05.2020**

Toolholder, Internal Applications, Square Shank

Square shank for internal applications.

Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST Legend **126**

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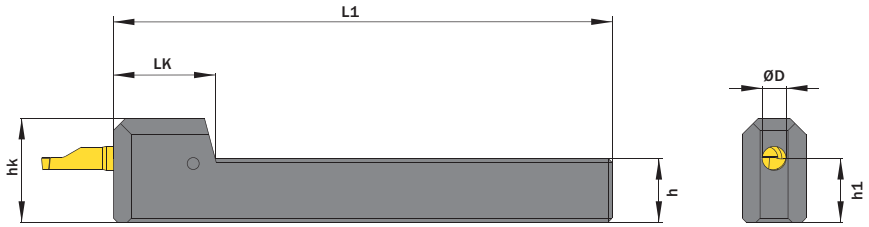
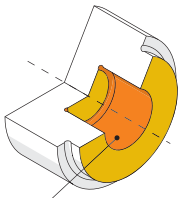
This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Mainly designed for these surfaces

Also possible depending on insert type

Drawing shows: A06.1616

ØD mm/inch	h mm/inch	b mm/inch	Part number	Webcode www.simtek.com/webcode	h1 mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table			**Related Items can be found on the previous page as well!**									
▼ ØD = 6,0 mm / 0.236“												
0.236“	0.500“	0.500“	**A06.0.500.S**	AD05	0.500“	0.906“	3.937“	1.024“	A M6x7,5 T15F	T15F	A06.L|A06.R	inch
0.236“	0.625“	0.625“	**A06.0.625.S**	AJQH	0.625“	1.024“	4.921“	1.004“	A M6x7,5 T15F	T15F	A06.L|A06.R	inch
0.236“	0.750“	0.750“	**A06.0.750.S**	AF15	0.750“	1.142“	4.921“	1.004“	A M6x7,5 T15F	T15F	A06.L|A06.R	inch
0.236“	1.000“	1.000“	**A06.1.000.S**	ATZN	1.000“	1.378“	5.906“	1.004“	A M6x7,5 T15F	T15F	A06.L|A06.R	inch
6,0	12,0	12,0	**A06.1212**	AA3P	12,0	22,0	100,0	26,0	A M6x7,5 T15F	T15F	A06.L|A06.R	
6,0	16,0	16,0	**A06.1616**	AKPT	16,0	26,0	125,0	25,5	A M6x7,5 T15F	T15F	A06.L|A06.R	
6,0	20,0	20,0	**A06.2020**	ANFN	20,0	30,0	125,0	25,5	A M6x7,5 T15F	T15F	A06.L|A06.R	
6,0	25,0	25,0	**A06.2525**	ATZJ	25,0	35,0	150,0	25,5	A M6x7,5 T15F	T15F	A06.L|A06.R	
▼ ØD = 7,0 mm / 0.276“												
0.276“	0.625“	0.625“	**A07.0.625.S**	AC7G	0.625“	1.043“	4.921“	1.043“	A M6x7,5 T15F	T15F	A07.L|A07.R	inch
0.276“	0.750“	0.750“	**A07.0.750.S**	AKF3	0.750“	1.161“	4.921“	1.043“	A M6x7,5 T15F	T15F	A07.L|A07.R	inch
0.276“	1.000“	1.000“	**A07.1.000.S**	ATZM	1.000“	1.398“	5.906“	1.043“	A M6x7,5 T15F	T15F	A07.L|A07.R	inch
7,0	16,0	16,0	**A07.1616**	AFAZ	16,0	26,5	125,0	26,5	A M6x7,5 T15F	T15F	A07.L|A07.R	
7,0	20,0	20,0	**A07.2020**	AF1G	20,0	30,5	125,0	26,5	A M6x7,5 T15F	T15F	A07.L|A07.R	
7,0	25,0	25,0	**A07.2525**	ATZK	25,0	35,5	150,0	26,5	A M6x7,5 T15F	T15F	A07.L|A07.R	

Related Items can be found on the following page as well! Continued Table

Order example: **A06.2020**

Toolholder, Internal Applications, Square Shank

Square shank for internal applications.

Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST Legend **126**

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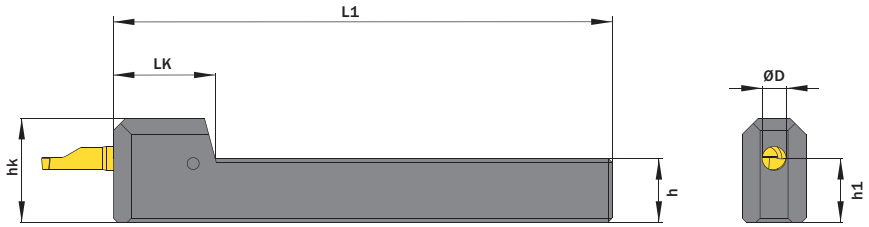
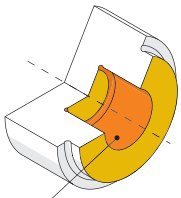
This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Mainly designed for these surfaces

Also possible depending on insert type

Drawing shows: A06.1616

ØD mm/inch	h mm/inch	b mm/inch	Part number	Webcode www.simtek.com/webcode	h1 mm/inch	hk mm/inch	L1 mm/inch	LK mm/inch	Screw	Screw driver	Connectcode www.simtek.com/ccode	
Continued Table			**Related Items can be found on the previous page as well!**									
▼ ØD = 8,0 mm / 0.315“												
0.315“	0.625“	0.625“	**A08.0.625.S**	AFE2	0.625“	1.063“	4.921“	1.280“	A M6x7,5 T15F	T15F	A08|A08T	inch
0.315“	0.750“	0.750“	**A08.0.750.S**	AKVD	0.750“	1.181“	4.921“	1.280“	A M6x7,5 T15F	T15F	A08|A08T	inch
0.315“	1.000“	1.000“	**A08.1.000.S**	AT9T	1.000“	1.417“	5.906“	1.280“	A M6x7,5 T15F	T15F	A08|A08T	inch
8,0	16,0	16,0	**A08.1616**	AGKM	16,0	27,0	125,0	32,5	A M6x7,5 T15F	T15F	A08|A08T	
8,0	20,0	20,0	**A08.2020**	ABBG	20,0	31,0	125,0	32,5	A M6x7,5 T15F	T15F	A08|A08T	
8,0	25,0	25,0	**A08.2525**	AT9P	25,0	36,0	150,0	32,5	A M6x7,5 T15F	T15F	A08|A08T	
▼ ØD = 10,0 mm / 0.394“												
0.394“	0.750“	0.750“	**A10.0.750.S**	ANCN	0.750“	1.220“	4.921“	1.358“	A M6x7,5 T15F	T15F	A10.L|A10.R|A10T	inch
0.394“	1.000“	1.000“	**A10.1.000.S**	AT9U	1.000“	1.457“	5.906“	1.358“	A M6x7,5 T15F	T15F	A10.L|A10.R|A10T	inch
10,0	20,0	20,0	**A10.2020**	APC9	20,0	32,0	125,0	34,5	A M6x7,5 T15F	T15F	A10.L|A10.R|A10T	
10,0	25,0	25,0	**A10.2525**	AT9Q	25,0	37,0	150,0	34,5	A M6x7,5 T15F	T15F	A10.L|A10.R|A10T	

Order example: **A08.2020**

Toolholder, Internal Applications, Cranked

Cranked toolholder for swiss type machines.

Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST R Legend 126

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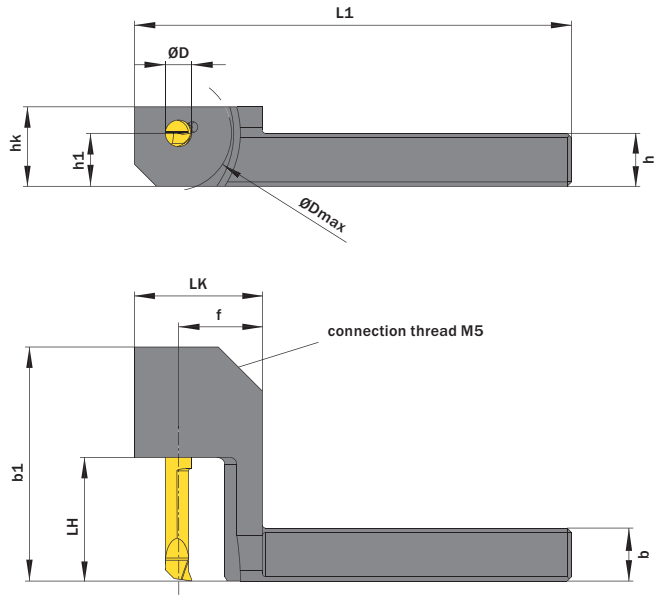
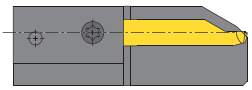
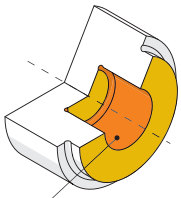
This page contains inch tools! These tools are indicated by inch on the right hand side.







ØD mm/inch	h mm/inch	b mm/inch	Part number	Webcode www.simtek.com/webcode	b1 mm/inch	ØDmax mm/inch	f mm/inch	hk mm/inch	h1 mm/inch	L1 mm/inch	LK mm/inch	LH mm/inch	Screw	Screw driver	Connectcode www.simtek.com/ccode	
0.157“	0.375“	0.375“	**A04.0.375.10 R/L**	R A5U3 L A5U5	1.437“	1.024“	0.748“	0.630“	0.375“	3.898“	1.142“	0.512“	A M6x7,5 T15F	T15F	R A04.R|A04C.R L A04.L|A04C.L	inch
0.157“	0.375“	0.375“	**A04.0.375.15 R/L**	R AC1Z L AMDE	1.437“	1.024“	0.748“	0.630“	0.375“	3.898“	1.142“	0.709“	A M6x7,5 T15F	T15F	R A04.R|A04C.R L A04.L|A04C.L	inch
0.157“	0.500“	0.500“	**A04.0.500.15 R/L**	R AB49 L AD3A	1.437“	1.024“	0.748“	0.748“	0.500“	3.898“	1.142“	0.709“	A M6x7,5 T15F	T15F	R A04.R|A04C.R L A04.L|A04C.L	inch
4,0	8,0	8,0	**A04.0808.10 R/L**	R APYN L AA2M	31,5	26,0	19,0	14,0	8,0	99,0	29,0	13,0	A M6x7,5 T15F	T15F	R A04.R|A04C.R L A04.L|A04C.L	
4,0	8,0	8,0	**A04.0808.15 R/L**	R AF3M L AKCJ	36,5	26,0	19,0	14,0	8,0	99,0	29,0	18,0	A M6x7,5 T15F	T15F	R A04.R|A04C.R L A04.L|A04C.L	
4,0	10,0	10,0	**A04.1010.10 R/L**	R ANAT L AE0P	31,5	26,0	19,0	16,0	10,0	99,0	29,0	13,0	A M6x7,5 T15F	T15F	R A04.R|A04C.R L A04.L|A04C.L	
4,0	10,0	10,0	**A04.1010.15 R/L**	R AF2T L AAX5	36,5	26,0	19,0	16,0	10,0	99,0	29,0	18,0	A M6x7,5 T15F	T15F	R A04.R|A04C.R L A04.L|A04C.L	
4,0	12,0	12,0	**A04.1212.10 R/L**	R AHFU L ANE7	31,5	26,0	19,0	18,0	12,0	99,0	29,0	13,0	A M6x7,5 T15F	T15F	R A04.R|A04C.R L A04.L|A04C.L	
4,0	12,0	12,0	**A04.1212.15 R/L**	R AFNB L AEEP	36,5	26,0	19,0	18,0	12,0	99,0	29,0	18,0	A M6x7,5 T15F	T15F	R A04.R|A04C.R L A04.L|A04C.L	
4,0	16,0	16,0	**A04.1616.15 R/L**	R ABWP L AHM3	36,5	36,0	24,0	22,0	16,0	104,0	34,0	18,0	A M6x7,5 T15F	T15F	R A04.R|A04C.R L A04.L|A04C.L	

Related Items can be found on the following page as well! Continued Table

Order example: **A04.1616.15 R** (R = Right hand version)

Toolholder, Internal Applications, Cranked

Cranked toolholder for swiss type machines.

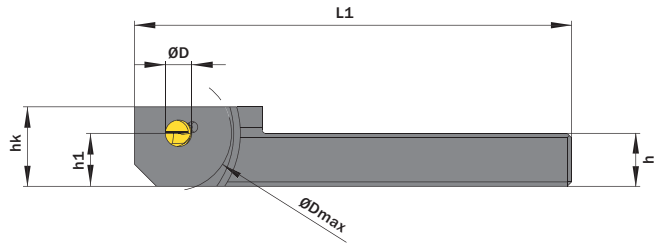
Tightening torque (screw)
7,0 Nm

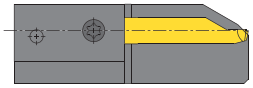
Please read add. notes
MASTER (Page 124)

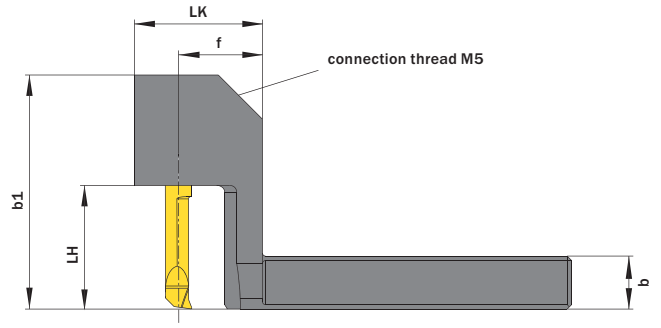
TW ST | R | Legend 126

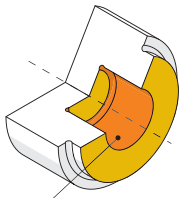
Scan QR-Code | Or Visit **www.simtek.info/cp/787**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.









Mainly designed for these surfaces

Also possible depending on insert type

ØD mm/inch	h mm/inch	b mm/inch	Part number	Webcode www.simtek.com/webcode		b1 mm/inch	ØDmax mm/inch	f mm/inch	hk mm/inch	h1 mm/inch	L1 mm/inch	LK mm/inch	LH mm/inch	Screw	Screw driver	Connectcode www.simtek.com/ccode			
▼ ØD = 5,0 mm / 0.197“																			
0.197“	0.375“	0.375“	**A05.0.375.20 R/L**	R	AM2V	L	ANTD	1.890“	1.024“	0.748“	0.630“	0.375“	3.898“	1.142“	0.906“	A M6x7,5 T15F	T15F	R A05.R	L A05.L	inch
0.197“	0.500“	0.500“	**A05.0.500.20 R/L**	R	AE71	L	AEMY	1.890“	1.024“	0.748“	0.748“	0.500“	3.898“	1.142“	0.906“	A M6x7,5 T15F	T15F	R A05.R	L A05.L	inch
0.197“	0.625“	0.625“	**A05.0.625.20 R/L**	R	ADF6	L	AD0P	1.890“	1.417“	0.945“	0.866“	0.625“	4.094“	1.339“	0.906“	A M6x7,5 T15F	T15F	R A05.R	L A05.L	inch
5,0	8,0	8,0	**A05.0808.15 R/L**	R	AG4E	L	ACS2	43,0	26,0	19,0	14,0	8,0	99,0	29,0	18,0	A M6x7,5 T15F	T15F	R A05.R	L A05.L	
5,0	10,0	10,0	**A05.1010.20 R/L**	R	ABQV	L	AA3M	48,0	26,0	19,0	16,0	10,0	99,0	29,0	23,0	A M6x7,5 T15F	T15F	R A05.R	L A05.L	
5,0	12,0	12,0	**A05.1212.20 R/L**	R	AN06	L	AFCT	48,0	26,0	19,0	18,0	12,0	99,0	29,0	23,0	A M6x7,5 T15F	T15F	R A05.R	L A05.L	
5,0	16,0	16,0	**A05.1616.20 R/L**	R	AHKP	L	ABGD	48,0	36,0	24,0	22,0	16,0	104,0	34,0	23,0	A M6x7,5 T15F	T15F	R A05.R	L A05.L	
▼ ØD = 6,0 mm / 0.236“																			
0.236“	0.375“	0.375“	**A06.0.375.20 R/L**	R	ANY0	L	AHV7	2.087“	1.024“	0.748“	0.630“	0.375“	3.898“	1.142“	0.906“	A M6x7,5 T15F	T15F	R A06.R	L A06.L	inch
0.236“	0.500“	0.500“	**A06.0.500.25 R/L**	R	AD7Z	L	ABNB	2.087“	1.024“	0.748“	0.748“	0.500“	3.898“	1.142“	1.102“	A M6x7,5 T15F	T15F	R A06.R	L A06.L	inch
0.236“	0.625“	0.625“	**A06.0.625.25 R/L**	R	AA7V	L	AD4X	2.087“	1.417“	0.945“	0.866“	0.625“	4.094“	1.339“	1.102“	A M6x7,5 T15F	T15F	R A06.R	L A06.L	inch
6,0	10,0	10,0	**A06.1010.25 R/L**	R	ACQT	L	AKPG	53,0	26,0	19,0	16,0	10,0	99,0	29,0	28,0	A M6x7,5 T15F	T15F	R A06.R	L A06.L	
6,0	12,0	12,0	**A06.1212.25 R/L**	R	ABWX	L	AKSE	53,0	26,0	19,0	18,0	12,0	99,0	29,0	28,0	A M6x7,5 T15F	T15F	R A06.R	L A06.L	
6,0	16,0	16,0	**A06.1616.25 R/L**	R	AC3H	L	AD5Z	53,0	36,0	24,0	22,0	16,0	104,0	34,0	28,0	A M6x7,5 T15F	T15F	R A06.R	L A06.L	
▼ ØD = 7,0 mm																			
7,0	16,0	16,0	**A07.1616.25 R/L**	R	AJJE	L	AEHJ	53,5	36,0	24,0	22,0	16,0	104,0	34,0	28,0	A M6x7,5 T15F	T15F	R A07.R	L A07.L	

Continued Table **Related Items can be found on the previous page as well!**

Order example: **A06.1212.25 R** (R = Right hand version)

Toolholder, Internal Applications

Double toolholder for swiss type machines.

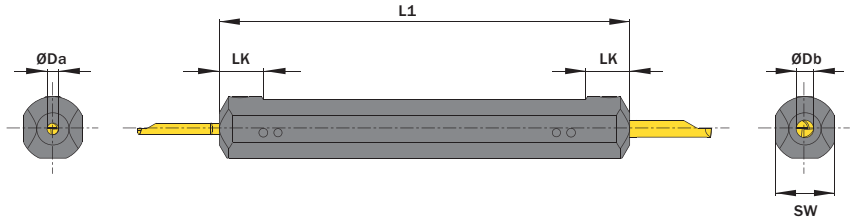
Tightening torque (screw)
7,0 Nm

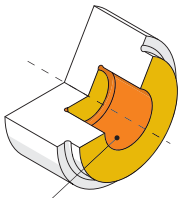
Please read add. notes
MASTER (Page 124)

TW ST Legend **126**

Scan **QR-Code** Or Visit **www.simtek.info/cp/742**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Mainly designed for these surfaces

Also possible depending on insert type

Drawing shows: A04.0.750.0140.A06

ØDa mm/inch	ØDg6 mm/inch	L1 mm/inch	ØDb mm/inch	Part number	Webcode www.simtek.com/webcode	LK mm/inch	SW mm/inch	Screw	Screw driver	Connectcode www.simtek.com/ccode	
▼ ØDa = 4,0 mm / 0.157“											
0.157“	0.750“	5.512“	0.236“	**A04.0.750.0140.A06**	AHWS	0.591“	0.669“	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L A04C.R|A06.L|A06.R	inch
4,0	20,0	140,0	4,0	**A04.0020.0140.A04**	APJQ	15,0	17,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	
4,0	20,0	140,0	5,0	**A04.0020.0140.A05**	AMF0	15,0	17,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L A04C.R|A05.L|A05.R	
4,0	20,0	140,0	6,0	**A04.0020.0140.A06**	AAWT	15,0	18,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L A04C.R|A06.L|A06.R	
4,0	22,0	140,0	4,0	**A04.0022.0140.A04**	AGV1	15,0	20,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L|A04C.R	
4,0	22,0	140,0	6,0	**A04.0022.0140.A06**	AA6P	15,0	20,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L A04C.R|A06.L|A06.R	
4,0	25,0	140,0	6,0	**A04.0025.0140.A06**	AEZP	15,0	23,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L A04C.R|A06.L|A06.R	
4,0	28,0	140,0	6,0	**A04.0028.0140.A06**	AB7A	15,0	26,0	A M6x7,5 T15F	T15F	A04.L|A04.R|A04C.L A04C.R|A06.L|A06.R	
▼ ØDa = 5,0 mm											
5,0	20,0	140,0	5,0	**A05.0020.0140.A05**	AK9Y	15,0	17,0	A M6x7,5 T15F	T15F	A05.L|A05.R	
5,0	20,0	140,0	6,0	**A05.0020.0140.A06**	APND	15,0	17,0	A M6x7,5 T15F	T15F	A05.L|A05.R|A06.L|A06.R	
▼ ØDa = 6,0 mm											
6,0	20,0	140,0	6,0	**A06.0020.0140.A06**	AGXT	15,0	17,0	A M6x7,5 T15F	T15F	A06.L|A06.R	
6,0	22,0	140,0	6,0	**A06.0022.0140.A06**	AJC6	15,0	19,0	A M6x7,5 T15F	T15F	A06.L|A06.R	

Order example: **A04.0020.0140.A04**

Toolholder, Internal Applications

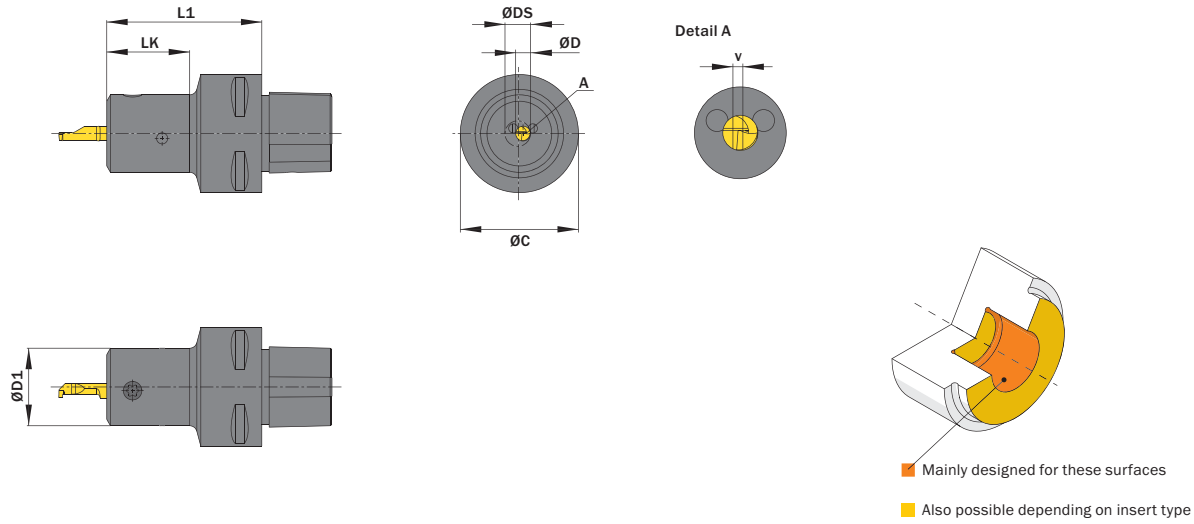
SIMTEK toolholder with polygon shank according to ISO 26623 for turning and milling applications.

Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan QR-Code | Or Visit **www.simtek.info/cp/737**



Drawing shows: A04.00C3.05

Polygon shank size	ØD mm	ØC mm	ØDS mm	Part number	Webcode www.simtek.com/webcode	ØD1 mm	ØDmin (min. bore) mm	L1 mm	LK mm	Max. depth of cut (milling) mm	V mm	Screw	Screw driver	Connectcode www.simtek.com/ccode
▼ ØD = 4,0 mm														
C3	4,0	32,0	5,9	**A04.00C3.05**	ADDV	21,0	6,4	42,0	22,0	0,75	1,0	A M6x7,5 T15F	T15F	A04.L | A04.R | A04C.L | A04C.R
C4	4,0	40,0	5,9	**A04.00C4.05**	ADV4	21,0	6,4	47,0	22,0	0,75	1,0	A M6x7,5 T15F	T15F	A04.L | A04.R | A04C.L | A04C.R
C5	4,0	50,0	6,0	**A04.00C5.06**	AUFJ	21,0	6,5	49,0	22,0	0,8	1,05	A M6x7,5 T15F	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	7,4	42,0	22,0	0,7	1,0	A M6x7,5 T15F	T15F	A05.L | A05.R
C5	5,0	50,0	7,5	**A05.00C5.08**	AUFK	22,0	8,0	49,0	22,0	1,0	1,3	A M6x7,5 T15F	T15F	A05.L | A05.R

Related Items can be found on the following page as well! Continued Table ▶

Order example: **A04.00C3.05**

Toolholder, Internal Applications

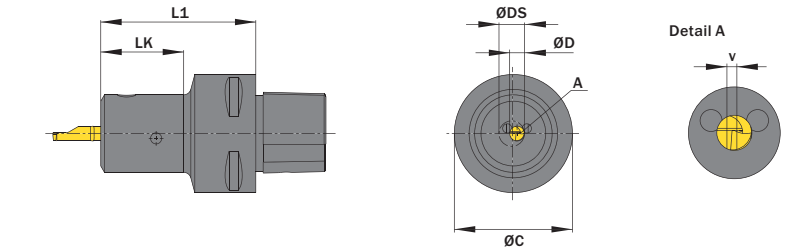
SIMTEK toolholder with polygon shank according to ISO 26623 for turning and milling applications.

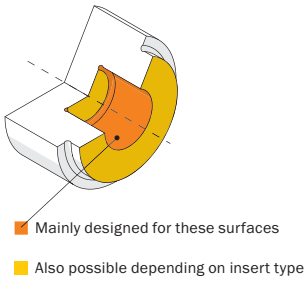
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/973**





Drawing shows: A04.00C3.05

Polygon shank size	ØD mm	ØC mm	ØDS mm	Part number	Webcode www.simtek.com/webcode	ØD1 mm	ØDmin (min. bore) mm	L1 mm	LK mm	Max. depth of cut (milling) mm	V mm	Screw	Screw driver	Connectcode www.simtek.com/ccode
◀ Continued Table				**Related Items can be found on the previous page as well!**										
▼ ØD = 6,0 mm														
C3	6,0	32,0	7,9	**A06.00C3.08**	AHG5	23,0	8,4	42,0	22,0	0,65	1,0	A M6x7,5 T15F	T15F	A06.L|A06.R
C3	6,0	32,0	9,8	**A06.00C3.10**	ABBP	23,5	10,3	42,0	22,0	1,6	1,95	A M6x7,5 T15F	T15F	A06.L|A06.R
C4	6,0	40,0	7,9	**A06.00C4.08**	AEU0	23,0	8,4	47,0	22,0	0,65	1,0	A M6x7,5 T15F	T15F	A06.L|A06.R
C4	6,0	40,0	9,8	**A06.00C4.10**	ADS1	23,5	10,3	47,0	22,0	1,6	1,95	A M6x7,5 T15F	T15F	A06.L|A06.R
C5	6,0	50,0	9,8	**A06.00C5.10**	AUFM	23,5	10,3	49,0	22,0	1,6	1,95	A M6x7,5 T15F	T15F	A06.L|A06.R
C6	6,0	63,0	9,8	**A06.00C6.10**	AUFS	23,5	10,3	95,0	22,0	1,6	1,95	A M6x7,5 T15F	T15F	A06.L|A06.R
▼ ØD = 7,0 mm														
C3	7,0	32,0	8,9	**A07.00C3.09**	AN85	24,0	9,4	42,0	22,0	0,6	1,0	A M6x7,5 T15F	T15F	A07.L|A07.R
C3	7,0	32,0	12,7	**A07.00C3.13**	AM7H	25,0	13,2	42,0	22,0	2,5	2,9	A M6x7,5 T15F	T15F	A07.L|A07.R
C4	7,0	40,0	8,9	**A07.00C4.09**	AMBV	24,0	9,4	47,0	22,0	0,6	1,0	A M6x7,5 T15F	T15F	A07.L|A07.R
C4	7,0	40,0	12,7	**A07.00C4.13**	AM83	25,0	13,2	47,0	22,0	2,5	2,9	A M6x7,5 T15F	T15F	A07.L|A07.R
C5	7,0	50,0	12,7	**A07.00C5.13**	AUFN	25,0	13,2	49,0	22,0	2,5	2,9	A M6x7,5 T15F	T15F	A07.L|A07.R
C6	7,0	63,0	12,7	**A07.00C6.13**	AUFT	25,0	13,2	95,0	22,0	2,5	2,9	A M6x7,5 T15F	T15F	A07.L|A07.R

Order example: **A06.00C4.08**

Toolholder, Internal Applications

For milling and boring applications.

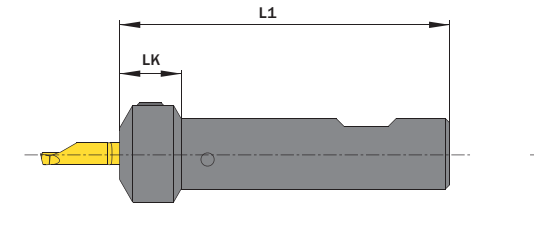
Tightening torque (screw)
7,0 Nm

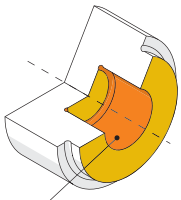
Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan QR-Code | Or Visit **www.simtek.info/cp/743**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.





Mainly designed for these surfaces

Also possible depending on insert type

Drawing shows: A05.0016.07 B ST

ØD mm/inch	ØDg6 mm/inch	ØDS mm/inch	Part number	Webcode www.simtek.com/webcode	ØDk mm/inch	L1 mm/inch	LK mm/inch	V mm/inch	Screw	Screw driver	Connectcode www.simtek.com/ccode	
▼ ØD = 4,0 mm / 0.157“												
0.157“	0.625“	0.232“	**A04.0.625.05 B ST**	A5U7	0.827“	2.953“	0.551“	0.039“	A M6x7,5 T15F	T15F	A04.L|A04.R	inch
4,0	16,0	5,9	**A04.0016.05 B ST**	APUS	21,0	75,0	14,0	1,0	A M6x7,5 T15F	T15F	A04.L|A04.R	
4,0	16,0	6,0	**A04.0016.06 B ST**	AB4A	21,0	75,0	14,0	1,05	A M6x7,5 T15F	T15F	A04.L|A04.R	
▼ ØD = 5,0 mm / 0.197“												
0.197“	0.625“	0.272“	**A05.0.625.07 B ST**	A5U9	0.886“	2.953“	0.551“	0.039“	A M6x7,5 T15F	T15F	A05.L|A05.R	inch
5,0	16,0	6,9	**A05.0016.07 B ST**	AMBQ	22,0	75,0	14,0	1,0	A M6x7,5 T15F	T15F	A05.L|A05.R	
5,0	16,0	7,5	**A05.0016.08 B ST**	AE97	22,0	75,0	14,0	1,3	A M6x7,5 T15F	T15F	A05.L|A05.R	
▼ ØD = 6,0 mm / 0.236“												
0.236“	0.625“	0.386“	**A06.0.625.10 B ST**	A5VB	0.886“	2.953“	0.551“	0.077“	A M6x7,5 T15F	T15F	A06.L|A06.R	inch
6,0	16,0	9,8	**A06.0016.10 B ST**	AC9M	22,0	75,0	14,0	1,95	A M6x7,5 T15F	T15F	A06.L|A06.R	
▼ ØD = 7,0 mm / 0.276“												
0.276“	0.625“	0.500“	**A07.0.625.13 B ST**	A5VD	0.886“	2.953“	0.551“	0.114“	A M6x7,5 T15F	T15F	A07.L|A07.R	inch
7,0	16,0	12,7	**A07.0016.13 B ST**	AH14	22,0	75,0	14,0	2,9	A M6x7,5 T15F	T15F	A07.L|A07.R	

Order example: **A06.0016.10 B ST**

Toolholder, Internal Applications, for Star-Machines

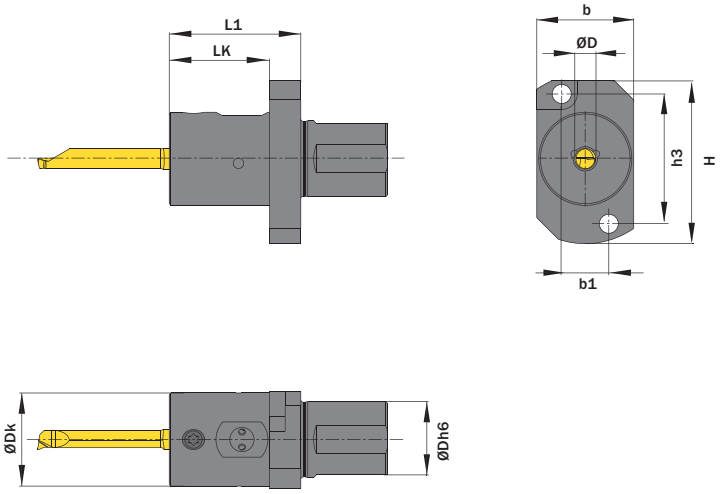
For internal turning applications.

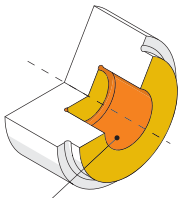
Tightening torque (screw)
7,0 Nm

Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/748**





Mainly designed for these surfaces

Also possible depending on insert type

Drawing shows: A06.ST22

ØD mm	ØDh6 mm	Part number	Webcode www.simtek.com/webcode	b mm	b1 mm	ØDk mm	H mm	h3 mm	L1 mm	LK mm	Screw	Screw driver	Connectcode www.simtek.com/ccode
▼ ØD = 4,0 mm													
4,0	22,0	**A04.ST22**	ANWS	28,0	13,6	26,9	47,0	37,5	38,0	29,0	AM6x7,5T15F	T15F	A04.L|A04.R|A04C.L|A04C.R
▼ ØD = 5,0 mm													
5,0	22,0	**A05.ST22**	AJQC	28,0	13,6	26,9	47,0	37,5	38,0	29,0	AM6x7,5T15F	T15F	A05.L|A05.R
▼ ØD = 6,0 mm													
6,0	22,0	**A06.ST22**	AKAU	28,0	13,6	26,9	47,0	37,5	38,0	29,0	AM6x7,5T15F	T15F	A06.L|A06.R
▼ ØD = 7,0 mm													
7,0	22,0	**A07.ST22**	ACP1	28,0	13,6	26,9	47,0	37,5	38,0	29,0	AM6x7,5T15F	T15F	A07.L|A07.R

Order example: **A06.ST22**

Toolholder, Internal Applications, for Star-Machines

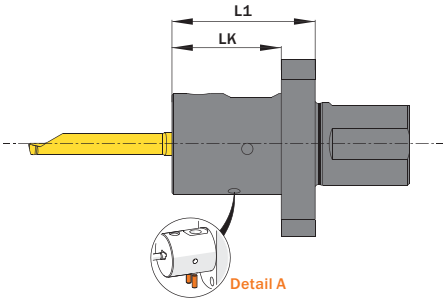
For internal turning applications. Four different types of through coolant supply can be realized as required.

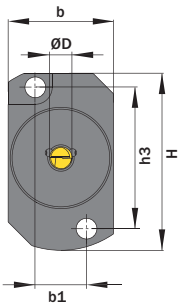
Tightening torque (screw)
7,0 Nm

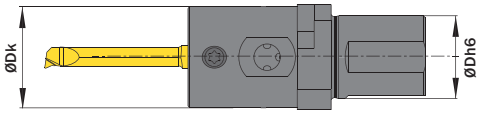
Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

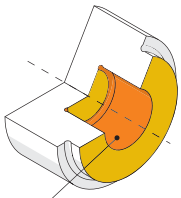
Scan **QR-Code** Or Visit **www.simtek.info/cp/1234**







Drawing shows: A04.ST22 T



Mainly designed for these surfaces

Also possible depending on insert type

ØD mm	ØDh6 mm	Part number	Webcode www.simtek.com/webcode	b mm	b1 mm	ØDk mm	H mm	h3 mm	L1 mm	LK mm	Screw	Screw driver	Connectcode www.simtek.com/ccode
4,0	22,0	**A04.ST22 T**	AZ4A	28,0	13,6	26,9	47,0	37,5	38,0	29,0	A M6x7,5 T15F	T15F	A04.L | A04.R | A04C.L 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	A M6x7,5 T15F	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	A M6x7,5 T15F	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	A M6x7,5 T15F	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	A M6x7,5 T15F	T15F	A08 | A08T

Order example: **A04.ST22 T**

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

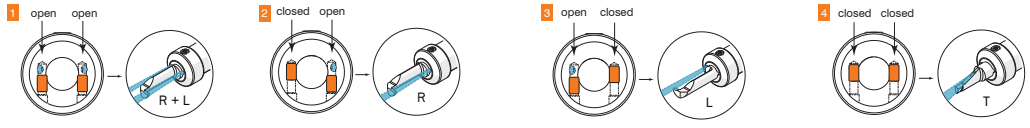


Illustration only

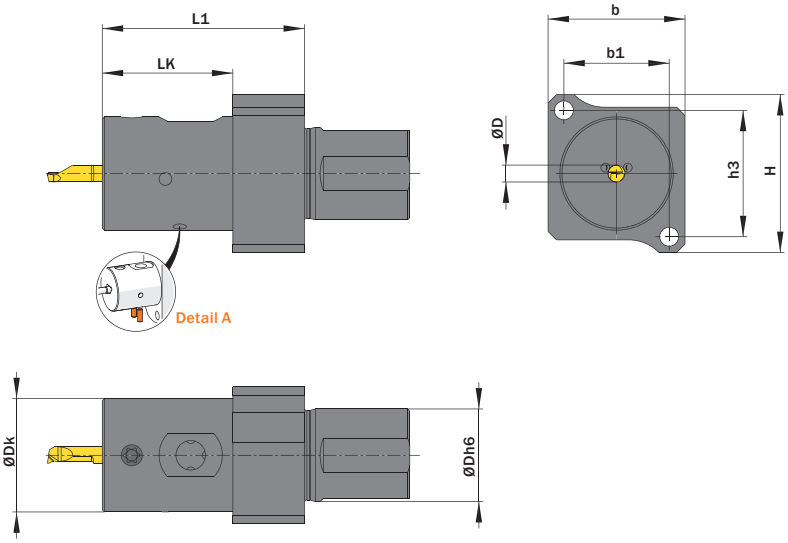
Toolholder, Internal Applications, for Star-Machines

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

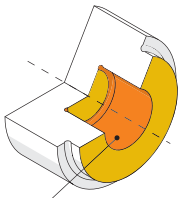
Tightening torque (screw)
7,0 Nm

TW ST | Legend **126**

Scan **QR-Code** Or Visit **www.simtek.info/cp/1291**



Drawing shows: A04.ST22.A T



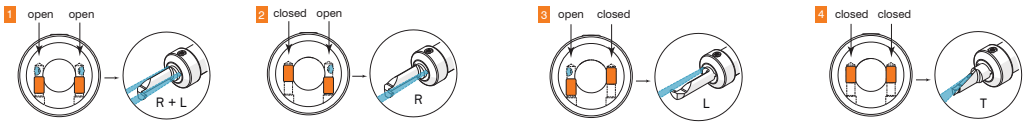
Mainly designed for these surfaces

Also possible depending on insert type

ØD mm	ØDh6 mm	Part number	Webcode www.simtek.com/webcode	b mm	b1 mm	ØDk mm	H mm	h3 mm	L1 mm	LK mm	Screw	Screw driver	Connectcode www.simtek.com/ccode
4,0	22,0	**A04.ST22.A T**	A2Q4	32,5	25,0	26,9	37,5	30,0	48,0	31,0	A M6x7,5 T15F	T15F	A04.L | A04.R | A04C.L | A04C.R | A04T
5,0	22,0	**A05.ST22.A T**	A2Q6	32,5	25,0	26,9	37,5	30,0	48,0	31,0	A M6x7,5 T15F	T15F	A05.L | A05.R | A05T
6,0	22,0	**A06.ST22.A T**	A2Q8	32,5	25,0	26,9	37,5	30,0	48,0	31,0	A M6x7,5 T15F	T15F	A06.L | A06.R | A06T
7,0	22,0	**A07.ST22.A T**	A2SA	32,5	25,0	26,9	37,5	30,0	48,0	31,0	A M6x7,5 T15F	T15F	A07.L | A07.R | A07T
8,0	22,0	**A08.ST22.A T**	A2SC	32,5	25,0	26,9	37,5	30,0	48,0	31,0	A M6x7,5 T15F	T15F	A08 | A08T

Order example: **A06.ST22.A T**

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



Base Toolholder

With WFB-adapter „20-12“.

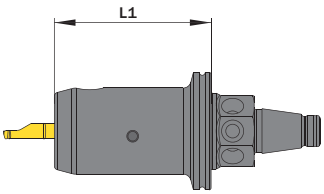
Tightening torque (screw)
7,0 Nm

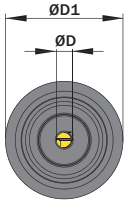
Please read add. notes
MASTER (Page 124)

TW ST | Legend **126**

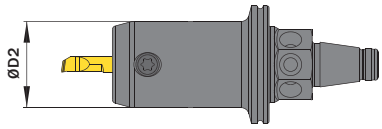
Scan **QR-Code** | Or Visit **www.simtek.info/cp/1133**

Compatible sleeves can be found on page 64

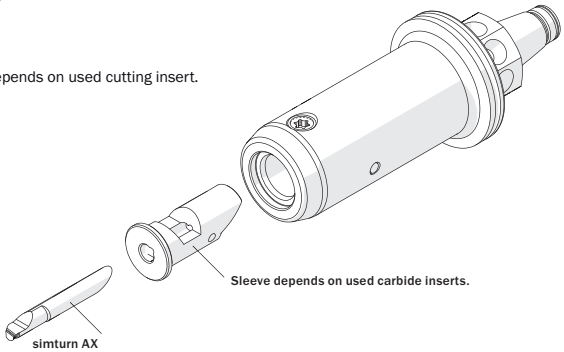




Dimension ØD depends on used cutting insert.



Drawing shows: A10.WF22.40 12



ØD2 mm	L1 mm	Part number	Webcode www.simtek.com/webcode	ØD1 mm	Screw	Screw driver	Connectcode www.simtek.com/ccode
22,0	40,0	**A10.WF22.40.12**	AXVE	30,0	A M6x7,5 T15F	T15F	A10.L|A10.R
22,0	40,0	**A10.WF22.40.20**	AZET	50,0	A M6x7,5 T15F	T15F	A10.L|A10.R
22,0	55,0	**A10.WF22.55.12**	AXVD	30,0	A M6x7,5 T15F	T15F	A10.L|A10.R
22,0	55,0	**A10.WF22.55.20**	AZEU	50,0	A M6x7,5 T15F	T15F	A10.L|A10.R

Order example: **A10.WF22.40.12**

Insert Sleeve for WFB-Base Toolholder

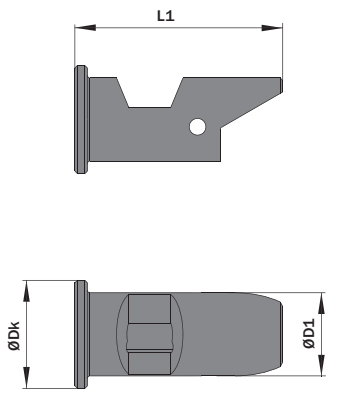
Insert sleeve for WFB-base toolholder. Available in 4 sizes from A04 through A07.

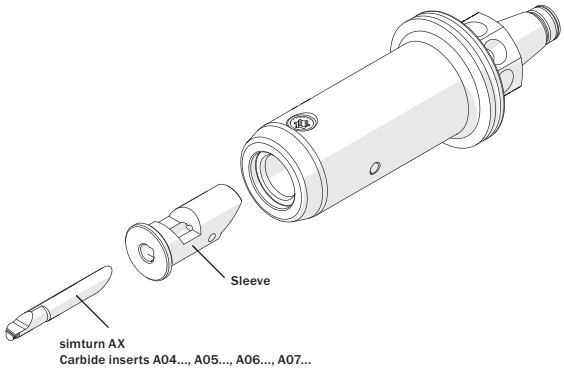
Please read add. notes
MASTER (Page 124)

TW ST | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1151**

Compatible sleeves can be found on page 63



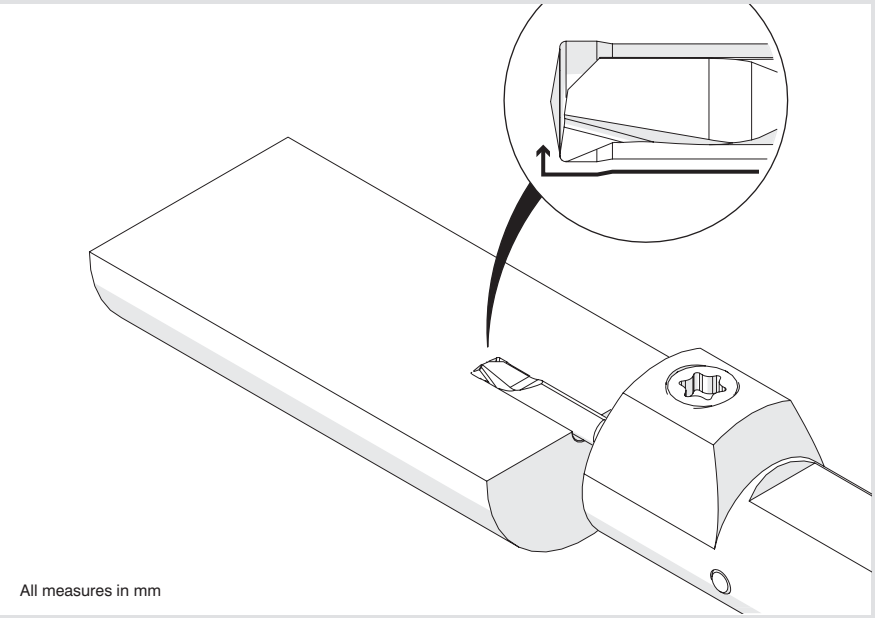


Drawing shows: A10.A04.19 ST R

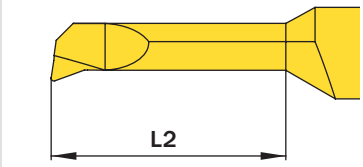
ØD1 mm	ØD mm	Part number	Webcode www.simtek.com/webcode	ØDk mm	L1 mm	Connectcode www.simtek.com/ccode
▼ ØD = 4,0 mm						
10,0	4,0	**A10.A04 19 ST R/L**	R AXVG L AY8T	13,0	25,0	R A04.R|A04C.R L A04.L|A04C.L
▼ ØD = 5,0 mm						
10,0	5,0	**A10.A05 19 ST R/L**	R AXVF L AY8U	13,0	25,0	R A05.R L A05.L
▼ ØD = 6,0 mm						
10,0	6,0	**A10.A06 19 ST R/L**	R AXVJ L AY8V	13,0	25,0	R A06.R L A06.L
▼ ØD = 7,0 mm						
10,0	7,0	**A10.A07 19 ST R/L**	R AXVH L AY8W	13,0	25,0	R A07.R L A07.L

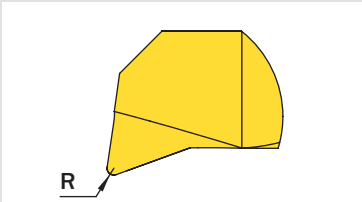
Order example: **A10.A04 19 ST R** (R = Right hand version)

Boring



All measures in mm





Part number	ØDmin (min. bore)	L2	R	see Page
A04.5015.01.03.00 YR/L	0,3	1,2	-	66
A04.5C15.01.03.00 YR/L	0,3	1,2	-	66
A04.5020.01.04.00 YR/L	0,4	1,6	-	66
A04.5C20.01.04.00 YR/L	0,4	1,6	-	66
A04.5025.02.05.00 YR/L	0,5	2,0	-	66
A04.5C25.02.05.00 YR/L	0,5	2,0	-	66
A04.5030.02.06.00 YR/L	0,6	2,5	-	66
A04.5C30.02.06.00 YR/L	0,6	2,5	-	66
A04.5035.03.07.00 YR/L	0,7	3,6	-	66
A04.5C35.03.07.00 YR/L	0,7	3,6	-	66
A04.5C40.04.08.00 YR/L	0,8	4,0	-	66
A04.5040.04.08.00 YR/L	0,8	4,1	-	66
A04.5C45.05.09.00 YR/L	0,9	5,0	-	66
A04.5045.05.09.00 YR/L	0,9	5,1	-	66
A04.1804.04.10.05 YR/L	1,0	4,0	0,05	67
A04.1C04.04.10.05 YR/L	1,0	4,0	0,05	67
A04.1804.04.10.10 YR/L	1,0	4,0	0,1	67
A04.1C04.04.10.10 YR/L	1,0	4,0	0,1	67
A04.1804.06.10.05 YR/L	1,0	6,0	0,05	67
A04.1C04.06.10.05 YR/L	1,0	6,0	0,05	67
A04.1804.06.10.10 YR/L	1,0	6,0	0,1	67
A04.1C04.06.10.10 YR/L	1,0	6,0	0,1	67
A04.1804.08.10.10 YR/L	1,0	8,1	0,1	67
A04.1C04.08.10.10 YR/L	1,0	8,1	0,1	67
A04.1C05.04.12.10 YR/L	1,2	5,1	0,1	67
A04.1C05.07.12.10 YR/L	1,2	7,1	0,1	67
A04.1C05.09.12.10 YR/L	1,2	9,1	0,1	67
A04.1C06.06.14.10 YR/L	1,4	6,0	0,1	67
A04.1C06.10.14.10 YR/L	1,4	10,2	0,1	67
A04.1807.06.17.05 YR/L	1,7	6,1	0,05	68
A04.1C07.06.17.05 YR/L	1,7	6,1	0,05	68
A04.1807.06.17.10 YR/L	1,7	6,1	0,1	68
A04.1C07.06.17.10 YR/L	1,7	6,1	0,1	68
A04.1807.09.17.05 YR/L	1,7	9,1	0,05	68
A04.1C07.09.17.05 YR/L	1,7	9,1	0,05	68
A04.1807.09.17.10 YR/L	1,7	9,1	0,1	68
A04.1C07.09.17.10 YR/L	1,7	9,1	0,1	68
A04.1C07.12.17.10 YR	1,7	12,2	0,1	68
A04.1C08.09.19.10 YR/L	1,9	9,1	0,1	68
A04.1C08.12.19.10 YR/L	1,9	12,2	0,1	68
A04.1C08.13.19.10 YR	1,9	13,2	0,1	68
A04.1810.06.22.05 YR/L	2,2	6,0	0,05	69
A04.1C10.06.22.05 YR/L	2,2	6,0	0,05	69
A04.1810.06.22.10 YR/L	2,2	6,0	0,1	69
A04.1C10.06.22.10 YR/L	2,2	6,0	0,1	69
A04.1810.09.22.05 YR/L	2,2	9,1	0,05	69
A04.1C10.09.22.05 YR/L	2,2	9,1	0,05	69
A04.1810.09.22.10 YR/L	2,2	9,1	0,1	69
A04.1C10.09.22.10 YR/L	2,2	9,1	0,1	69
A04.1810.13.22.10 YR/L	2,2	13,2	0,1	69
A04.1C10.13.22.10 YR/L	2,2	13,2	0,1	69
A04.1C10.15.22.10 YR	2,2	15,2	0,1	69

Part number	ØDmin (min. bore)	L2	R	see Page
A04.1812.10.27.03 YR/L	2,7	10,2	0,03	69
A04.1C12.10.27.03 YR/L	2,7	10,2	0,03	69
A04.1812.10.27.05 YR/L	2,7	10,2	0,05	69
A04.1C12.10.27.05 YR/L	2,7	10,2	0,05	69
A04.1812.10.27.15 YR/L	2,7	10,2	0,15	69
A04.1C12.10.27.15 YR/L	2,7	10,2	0,15	69
A04.1812.15.27.05 YR/L	2,7	15,2	0,05	69
A04.1C12.15.27.05 YR/L	2,7	15,2	0,05	69
A04.1812.15.27.15 YR/L	2,7	15,2	0,15	69
A04.1C12.15.27.15 YR/L	2,7	15,2	0,15	69
A04.1C12.20.27.15 YR	2,7	20,3	0,15	69
A04.1C14.15.30.15 YR/L	3,0	15,2	0,15	70
A04.1814.20.30.15 YR/L	3,0	20,3	0,15	70
A04.1C14.20.30.15 YR/L	3,0	20,3	0,15	70
A04.1814.25.30.05 YR/L	3,0	25,4	0,05	70
A04.1C14.25.30.05 YR/L	3,0	25,4	0,05	70
A04.1815.10.32.03 YR/L	3,2	10,2	0,03	70
A04.1C15.10.32.03 YR/L	3,2	10,2	0,03	70
A04.1815.10.32.05 YR/L	3,2	10,2	0,05	70
A04.1C15.10.32.05 YR/L	3,2	10,2	0,05	70
A04.1815.10.32.15 YR/L	3,2	10,2	0,15	70
A04.1C15.10.32.15 YR/L	3,2	10,2	0,15	70
A04.1815.15.32.05 YR/L	3,2	15,2	0,05	70
A04.1C15.15.32.05 YR/L	3,2	15,2	0,05	70
A04.1815.15.32.15 YR/L	3,2	15,2	0,15	70
A04.1C15.15.32.15 YR/L	3,2	15,2	0,15	70
A04.1815.20.32.05 YR/L	3,2	20,3	0,05	70
A04.1C15.20.32.05 YR/L	3,2	20,3	0,05	70
A04.1815.20.32.15 YR/L	3,2	20,3	0,15	70
A04.1C15.20.32.15 YR/L	3,2	20,3	0,15	70
A04.1C15.25.32.15 YR	3,2	25,4	0,15	70
A04.1817.10.37.15 YR/L	3,7	10,2	0,15	71
A04.1C17.10.37.15 YR/L	3,7	10,2	0,15	71
A04.1817.15.37.15 YR/L	3,7	15,2	0,15	71
A04.1C17.15.37.15 YR/L	3,7	15,2	0,15	71
A04.1817.20.37.05 YR/L	3,7	20,3	0,05	71
A04.1C17.20.37.05 YR/L	3,7	20,3	0,05	71
A04.1817.20.37.15 YR/L	3,7	20,3	0,15	71
A04.1C17.20.37.15 YR/L	3,7	20,3	0,15	71
A04.1817.25.37.10 YR/L	3,7	25,4	0,1	71
A04.1C17.25.37.10 YR/L	3,7	25,4	0,1	71
A04.1C17.30.37.10 YR	3,7	30,5	0,1	71
A04.1820.10.42.03 YR/L	4,2	10,2	0,03	72
A04.1820.10.42.05 YR/L	4,2	10,2	0,05	72
A04.1820.10.42.15 YR/L	4,2	10,2	0,15	72
A04.1820.15.42.03 YR/L	4,2	15,2	0,03	72
A04.1820.15.42.05 YR/L	4,2	15,2	0,05	72
A04.1820.15.42.15 YR/L	4,2	15,2	0,15	72
A04.1820.20.42.03 YR/L	4,2	20,3	0,03	72
A04.1820.20.42.05 YR/L	4,2	20,3	0,05	72
A04.1820.20.42.15 YR/L	4,2	20,3	0,15	72
A04.1820.25.42.05 YR/L	4,2	25,4	0,05	72

Part number	ØDmin (min. bore)	L2	R	see Page
A04.1820.25.42.15 YR/L	4,2	25,4	0,15	72
A04.1820.30.42.05 YR/L	4,2	30,5	0,05	72
A04.1820.35.42.05 YR	4,2	35,6	0,05	72
A05.1825.20.49.20 YR/L	4,9	20,3	0,2	73
A05.1825.25.49.20 YR/L	4,9	25,4	0,2	73
A05.1825.30.49.05 YR/L	4,9	30,5	0,05	73
A05.1825.30.49.20 YR/L	4,9	30,5	0,2	73
A05.1825.35.49.20 YR/L	4,9	35,6	0,2	73
A05.1825.40.49.20 YR/L	4,9	40,6	0,2	73
A05.1825.10.52.05 YR/L	5,2	10,2	0,05	74
A05.1825.10.52.20 YR/L	5,2	10,2	0,2	74
A05.1825.15.52.03 YR/L	5,2	15,2	0,03	74
A05.1825.15.52.05 YR/L	5,2	15,2	0,05	74
A05.1825.15.52.20 YR/L	5,2	15,2	0,2	74
A05.1825.20.52.05 YR/L	5,2	20,3	0,05	74
A05.1825.20.52.20 YR/L	5,2	20,3	0,2	74
A05.1825.25.52.20 YR/L	5,2	25,4	0,2	74
A05.1825.30.52.05 YR/L	5,2	30,5	0,05	74
A05.1825.30.52.20 YR/L	5,2	30,5	0,2	74
A05.1825.35.52.20 YR/L	5,2	35,6	0,2	74
A05.1825.40.52.20 YR/L	5,2	40,6	0,2	74
A06.1830.35.59.20 YR/L	5,9	35,6	0,2	75
A06.1830.40.59.20 YR/L	5,9	40,6	0,2	75
A06.1830.45.59.20 YR	5,9	45,7	0,2	75
A06.1830.15.62.20 YR/L	6,2	15,2	0,2	76
A06.1830.20.62.05 YR/L	6,2	20,3	0,05	76
A06.1830.20.62.20 YR/L	6,2	20,3	0,2	76
A06.1830.25.62.20 YR/L	6,2	25,4	0,2	76
A06.1830.30.62.05 YR/L	6,2	30,5	0,05	76
A06.1830.30.62.20 YR/L	6,2	30,5	0,2	76
A06.1830.35.62.20 YR/L	6,2	35,6	0,2	76
A06.1830.40.62.20 YR/L	6,2	40,6	0,2	76
A06.1830.50.62.20 YR/L	6,2	50,8	0,2	76
A07.1835.25.72.20 YR/L	7,2	25,4	0,2	76
A07.1835.30.72.20 YR/L	7,2	30,5	0,2	76
A07.1835.35.72.20 YR/L	7,2	35,6	0,2	76
A07.1835.40.72.20 YR/L	7,2	40,6	0,2	76
A07.1835.45.72.20 YR/L	7,2	45,7	0,2	76
A07.1835.50.72.20 YR/L	7,2	50,8	0,2	76
A07.1835.60.72.20 YR	7,2	60,8	0,2	76

Boring

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

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 19, 20, 21, 23, 29, 30, 32, 42, 43, 45, 48, 49, 50, 51, 54, 56, 57, 59, 60, 61, 62

Similar tools on page
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SP HM R Legend **126**

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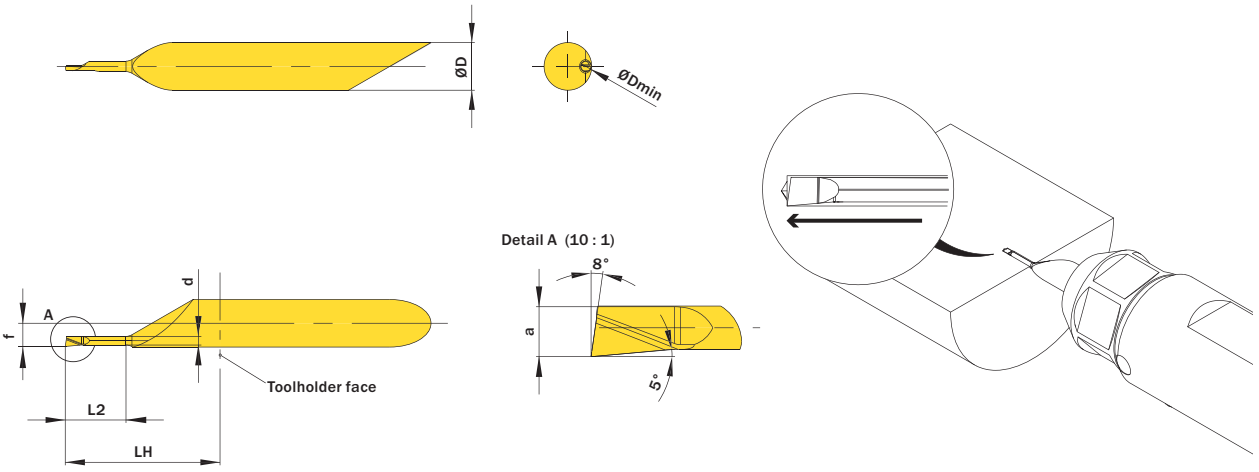

Drawing shows: A04.5C45.05.09.00 Y R

Additional information about through coolant supply on page 9

ØD mm	L2 mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm	d mm	f mm	LH mm	Connectcode www.simtek.com/ccode
▼ 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	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	0,25	0,19	1,95	13,0	R A04C.R L A04C.L
▼ 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	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	0,35	0,28	1,95	13,0	R A04C.R L A04C.L
▼ 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	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	0,45	0,37	1,95	13,0	R A04C.R L A04C.L
▼ 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	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	0,55	0,46	1,95	13,0	R A04C.R L A04C.L
▼ 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	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	0,65	0,55	1,95	13,0	R A04C.R L A04C.L
▼ 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	0,75	0,64	0,35	13,0	R A04.R L A04.L
4,0	4,0	0,8	-	+	**A04.5C40.04.08.00 YR/L**	R AJ4N L AEWY	X800 X400	0,75	0,64	1,95	13,0	R A04C.R L A04C.L
▼ 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	0,85	0,73	0,4	13,0	R A04.R L A04.L
4,0	5,0	0,9	-	+	**A04.5C45.05.09.00 YR/L**	R ADKP L AMVH	X800 X400	0,85	0,73	1,95	13,0	R A04C.R L A04C.L

Related Items can be found on the following page as well! Continued Table

Order example: **A04.5035.03.07.00 YR X800** (R = Right hand version, X800 = Grade)

Boring

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

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 19, 20, 21, 23, 29, 30, 32, 42, 43, 45, 48, 49, 50, 51, 54, 56, 57, 59, 60, 61, 62

Similar tools on page
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SP HM R Legend **126**

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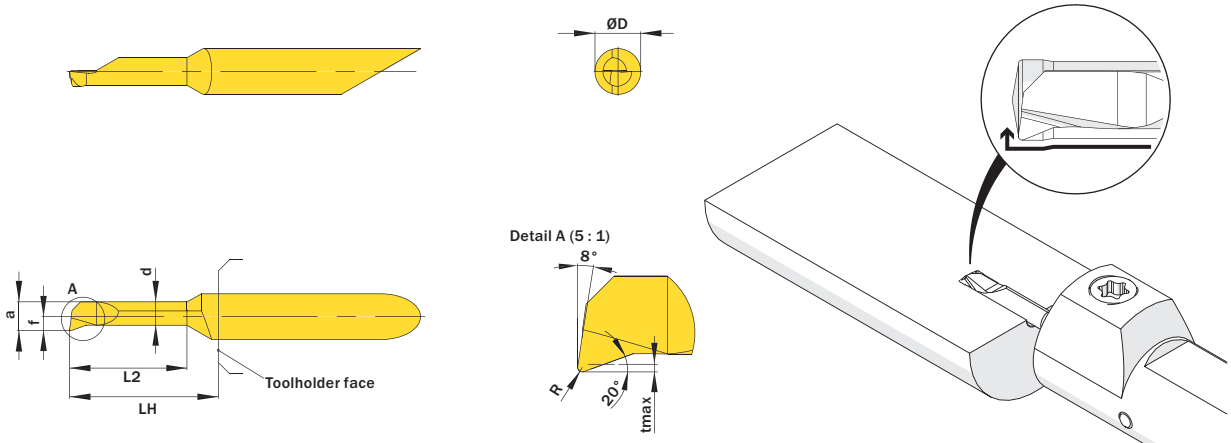

Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	tmax	Connectcode www.simtek.com/ccode	
mm	mm	mm	mm					mm	mm	mm	mm	mm		
Continued Table					**Related Items can be found on the previous page as well!**									
▼ ØDmin (min. bore) = 1,0 mm														
4,0	4,0	1,0	0,05	-	**A04.1804.04.10.05 YR/L**	R AMGN L AK3Z X800 X400		0,95	0,65	0,45	13,0	0,1	R A04.R L A04.L	
4,0	4,0	1,0	0,05	+	**A04.1C04.04.10.05 YR/L**	R AW9G L AXAB X800 X400		0,95	0,65	1,95	13,0	0,1	R A04C.R L A04C.L	
4,0	4,0	1,0	0,1	-	**A04.1804.04.10.10 YR/L**	R AH77 L ADKJ X800 X400		0,95	0,65	0,45	13,0	0,1	R A04.R L A04.L	
4,0	4,0	1,0	0,1	+	**A04.1C04.04.10.10 YR/L**	R AHJJ L AFJE X800 X400		0,95	0,65	1,95	13,0	0,1	R A04C.R L A04C.L	
4,0	6,0	1,0	0,05	-	**A04.1804.06.10.05 YR/L**	R AHGX L APQV X800 X400		0,95	0,65	0,45	13,0	0,1	R A04.R L A04.L	
4,0	6,0	1,0	0,05	+	**A04.1C04.06.10.05 YR/L**	R AW9H L AXAC X800 X400		0,95	0,65	1,95	13,0	0,1	R A04C.R L A04C.L	
4,0	6,0	1,0	0,1	-	**A04.1804.06.10.10 YR/L**	R ADN1 L AASJ X800 X400		0,95	0,65	0,45	13,0	0,1	R A04.R L A04.L	
4,0	6,0	1,0	0,1	+	**A04.1C04.06.10.10 YR/L**	R AJGF L AMNZ X800 X400		0,95	0,65	1,95	13,0	0,1	R A04C.R L A04C.L	
4,0	8,1	1,0	0,1	-	**A04.1804.08.10.10 YR/L**	R AJHB L AEXS X800 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		0,95	0,65	1,95	13,0	0,1	R A04C.R L A04C.L	
▼ ØDmin (min. bore) = 1,2 mm														
4,0	5,1	1,2	0,1	+	**A04.1C05.04.12.10 YR/L**	R AW3A L AW29 X800 X400		1,1	0,8	1,95	13,0	0,1	R A04C.R L A04C.L	
4,0	7,1	1,2	0,1	+	**A04.1C05.07.12.10 YR/L**	R AW3C L AW3B X800 X400		1,1	0,8	1,95	13,0	0,1	R A04C.R L A04C.L	
4,0	9,1	1,2	0,1	+	**A04.1C05.09.12.10 YR/L**	R AW3E L AW3D X800 X400		1,1	0,8	1,95	13,0	0,1	R A04C.R L A04C.L	
▼ ØDmin (min. bore) = 1,4 mm														
4,0	6,0	1,4	0,1	+	**A04.1C06.06.14.10 YR/L**	R AW3G L AW3F X800 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	+	**A04.1C06.10.14.10 YR/L**	R AW3J L AW3H X800 X400		1,25	0,9	1,95	13,0	0,15	R A04C.R L A04C.L	

Related Items can be found on the following page as well! **Continued Table**

Order example: **A04.1804.04.10.10 YR X800** (R = Right hand version, X800 = Grade)

Boring

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

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 19, 20, 21, 23, 29, 30, 32, 42, 43, 45, 48, 49, 50, 51, 54, 56, 57, 59, 60, 61, 62

Similar tools on page
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SP HM R Legend **126**

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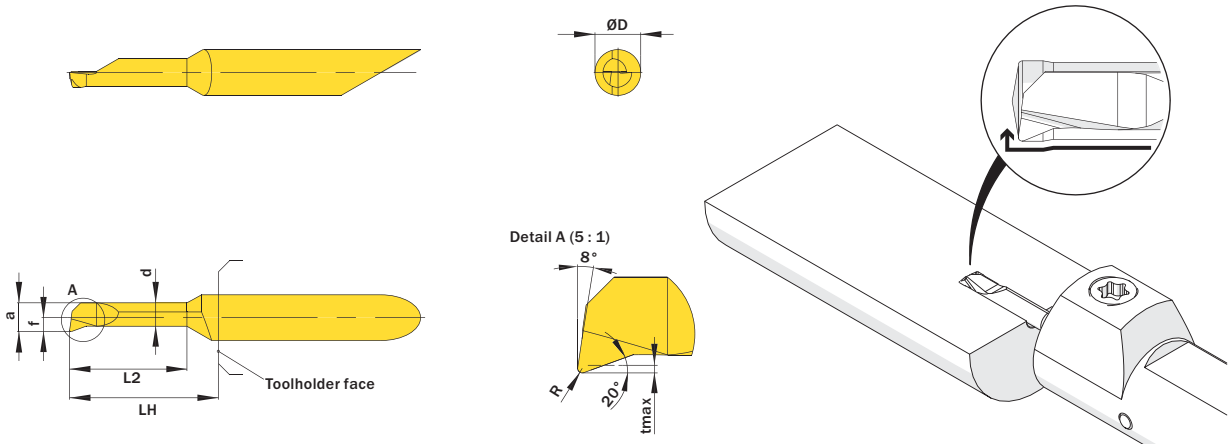

Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	tmax	Connectcode www.simtek.com/ccode
mm	mm	mm	mm					mm	mm	mm	mm	mm	
Continued Table					**Related Items can be found on the previous page as well!**								
▼ 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	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	1,45	1,05	1,95	13,0	0,2	R A04C.R L A04C.L
4,0	6,1	1,7	0,1	-	**A04.1807.06.17.10 YR/L**	R AEAZ L APEV	X800 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	1,45	1,05	1,95	13,0	0,2	R A04C.R L A04C.L
4,0	9,1	1,7	0,05	-	**A04.1807.09.17.05 YR/L**	R AEHH L AJZB	X800 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	1,45	1,05	1,95	13,0	0,2	R A04C.R L A04C.L
4,0	9,1	1,7	0,1	-	**A04.1807.09.17.10 YR/L**	R AD7Q L AGHY	X800 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	1,45	1,05	1,95	13,0	0,2	R A04C.R L A04C.L
4,0	12,2	1,7	0,1	+	**A04.1C07.12.17.10 YR**	A199	X800 X400	1,45	1,05	1,95	18,0	0,2	A04C.R
▼ ØDmin (min. bore) = 1,9 mm													
4,0	9,1	1,9	0,1	+	**A04.1C08.09.19.10 YR/L**	R AW3M L AW3K	X800 X400	1,65	1,25	1,95	13,0	0,2	R A04C.R L A04C.L
4,0	12,2	1,9	0,1	+	**A04.1C08.12.19.10 YR/L**	R AW3P L AW3N	X800 X400	1,65	1,25	1,95	18,0	0,2	R A04C.R L A04C.L
4,0	13,2	1,9	0,1	+	**A04.1C08.13.19.10 YR**	A2AA	X800 X400	1,65	1,25	1,95	18,0	0,2	A04C.R

Related Items can be found on the following page as well! Continued Table

Order example: **A04.1807.06.17.10 YR X800** (R = Right hand version, X800 = Grade)

Boring

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

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 19, 20, 21, 23, 29, 30, 32, 42, 43, 45, 48, 49, 50, 51, 54, 56, 57, 59, 60, 61, 62

Similar tools on page
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SP HM R Legend **126**

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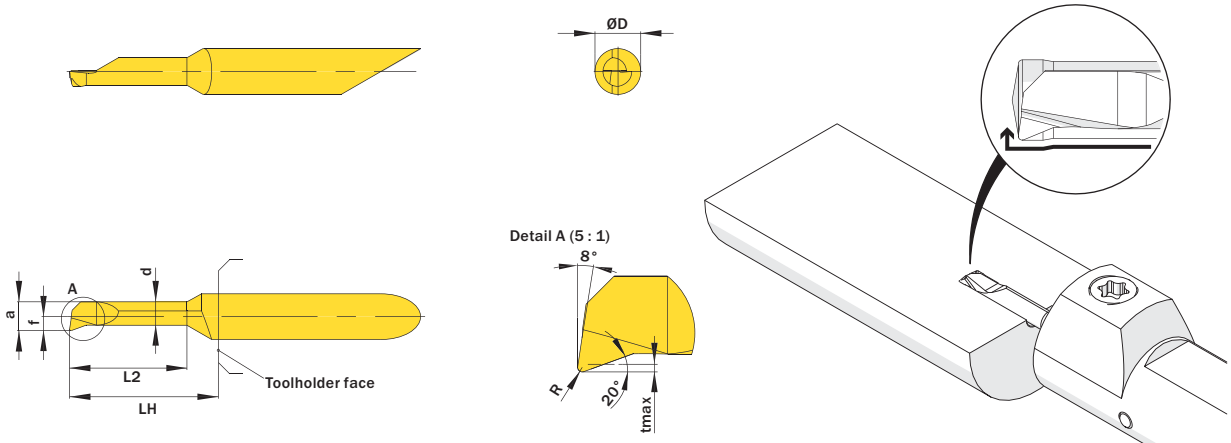

Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	tmax	Connectcode www.simtek.com/ccode
mm	mm	mm	mm					mm	mm	mm	mm	mm	

Continued Table **Related Items can be found on the previous page as well!**

▼ **ØDmin (min. bore) = 2,2 mm**

ØD	L2	ØDmin	R		Part number	Webcode R	Webcode L	Our first choice	a	d	f	LH	tmax	Connectcode R	Connectcode L
4,0	6,0	2,2	0,05	●	**A04.1810.06.22.05 YR/L**	AEWA	AHNE	X800 X400	1,95	1,55	0,95	13,0	0,2	A04.R	A04.L
4,0	6,0	2,2	0,05	+	**A04.1C10.06.22.05 YR/L**	AW9M	AXAF	X800 X400	1,95	1,55	1,95	13,0	0,2	A04C.R	A04C.L
4,0	6,0	2,2	0,1	●	**A04.1810.06.22.10 YR/L**	AMKG	ABK2	X800 X400	1,95	1,55	0,95	13,0	0,2	A04.R	A04.L
4,0	6,0	2,2	0,1	+	**A04.1C10.06.22.10 YR/L**	ABCM	AKQQ	X800 X400	1,95	1,55	1,95	13,0	0,2	A04C.R	A04C.L
4,0	9,1	2,2	0,05	●	**A04.1810.09.22.05 YR/L**	AFEA	AEVE	X800 X400	1,95	1,55	0,95	13,0	0,2	A04.R	A04.L
4,0	9,1	2,2	0,05	+	**A04.1C10.09.22.05 YR/L**	AW9N	AXAG	X800 X400	1,95	1,55	1,95	13,0	0,2	A04C.R	A04C.L
4,0	9,1	2,2	0,1	●	**A04.1810.09.22.10 YR/L**	AM4S	AA7F	X800 X400	1,95	1,55	0,95	13,0	0,2	A04.R	A04.L
4,0	9,1	2,2	0,1	+	**A04.1C10.09.22.10 YR/L**	ABD9	AMX3	X800 X400	1,95	1,55	1,95	13,0	0,2	A04C.R	A04C.L
4,0	13,2	2,2	0,1	●	**A04.1810.13.22.10 YR/L**	AKP9	AJ36	X800 X400	1,95	1,55	0,95	18,0	0,2	A04.R	A04.L
4,0	13,2	2,2	0,1	+	**A04.1C10.13.22.10 YR/L**	AGGH	AEBZ	X800 X400	1,95	1,55	1,95	18,0	0,2	A04C.R	A04C.L
4,0	15,2	2,2	0,1	+	**A04.1C10.15.22.10 YR**	A2AB		X800 X400	1,95	1,55	1,95	23,0	0,2	A04C.R	

▼ **ØDmin (min. bore) = 2,7 mm**

ØD	L2	ØDmin	R		Part number	Webcode R	Webcode L	Our first choice	a	d	f	LH	tmax	Connectcode R	Connectcode L
4,0	10,2	2,7	0,03	●	**A04.1812.10.27.03 YR/L**	AKG6	AHF1	X800 X400	2,45	2,05	1,2	13,0	0,2	A04.R	A04.L
4,0	10,2	2,7	0,03	+	**A04.1C12.10.27.03 YR/L**	AW9P	AXAH	X800 X400	2,45	2,05	1,95	13,0	0,2	A04C.R	A04C.L
4,0	10,2	2,7	0,05	●	**A04.1812.10.27.05 YR/L**	AFXD	AFVH	X800 X400	2,45	2,05	1,2	13,0	0,2	A04.R	A04.L
4,0	10,2	2,7	0,05	+	**A04.1C12.10.27.05 YR/L**	AW9Q	AXAJ	X800 X400	2,45	2,05	1,95	13,0	0,2	A04C.R	A04C.L
4,0	10,2	2,7	0,15	●	**A04.1812.10.27.15 YR/L**	AH2M	ACX1	X800 X400	2,45	2,05	1,2	13,0	0,2	A04.R	A04.L
4,0	10,2	2,7	0,15	+	**A04.1C12.10.27.15 YR/L**	AJ8J	AJ01	X800 X400	2,45	2,05	1,95	13,0	0,2	A04C.R	A04C.L
4,0	15,2	2,7	0,05	●	**A04.1812.15.27.05 YR/L**	ANPQ	AEK2	X800 X400	2,45	2,05	1,2	18,0	0,2	A04.R	A04.L
4,0	15,2	2,7	0,05	+	**A04.1C12.15.27.05 YR/L**	AW9S	AXAK	X800 X400	2,45	2,05	1,95	18,0	0,2	A04C.R	A04C.L
4,0	15,2	2,7	0,15	●	**A04.1812.15.27.15 YR/L**	AA95	AJKP	X800 X400	2,45	2,05	1,2	18,0	0,2	A04.R	A04.L
4,0	15,2	2,7	0,15	+	**A04.1C12.15.27.15 YR/L**	AB8C	AAQ1	X800 X400	2,45	2,05	1,95	18,0	0,2	A04C.R	A04C.L
4,0	20,3	2,7	0,15	+	**A04.1C12.20.27.15 YR**	A2AC		X800 X400	2,45	2,05	1,95	28,0	0,2	A04C.R	

Related Items can be found on the following page as well! Continued Table

Order example: **A04.1812.10.27.15 YR X800** (R = Right hand version, X800 = Grade)

Boring

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

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 19, 20, 21, 23, 29, 30, 32, 42, 43, 45, 48, 49, 50, 51, 54, 56, 57, 59, 60, 61, 62

Similar tools on page
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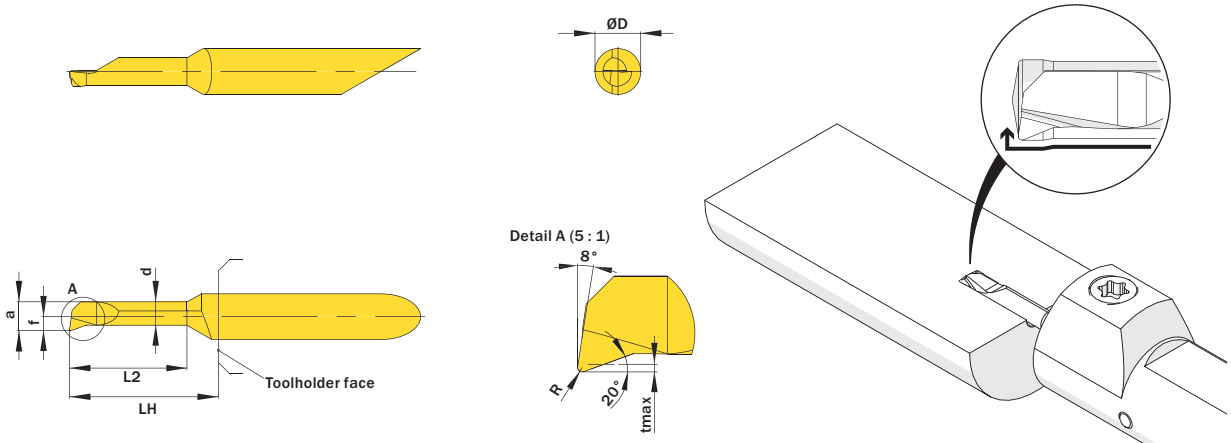
SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/1039**



Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	tmax	Connectcode www.simtek.com/ccode	
mm	mm	mm	mm					mm	mm	mm	mm	mm		

Continued Table

Related Items can be found on the previous page as well!

▼ 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	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	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	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	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	2,75	2,35	1,95	28,0	0,2	R A04C.R	L A04C.L
▼ 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	2,95	2,55	1,95	28,0	0,2	A04C.R	

Related Items can be found on the following page as well!

Continued Table

Order example: **A04.1815.10.32.15 YR X800** (R = Right hand version, X800 = Grade)

Boring

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

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 19, 20, 21, 23, 29, 30, 32, 42, 43, 45, 48, 49, 50, 51, 54, 56, 57, 59, 60, 61, 62

Similar tools on page
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SP HM R Legend **126**

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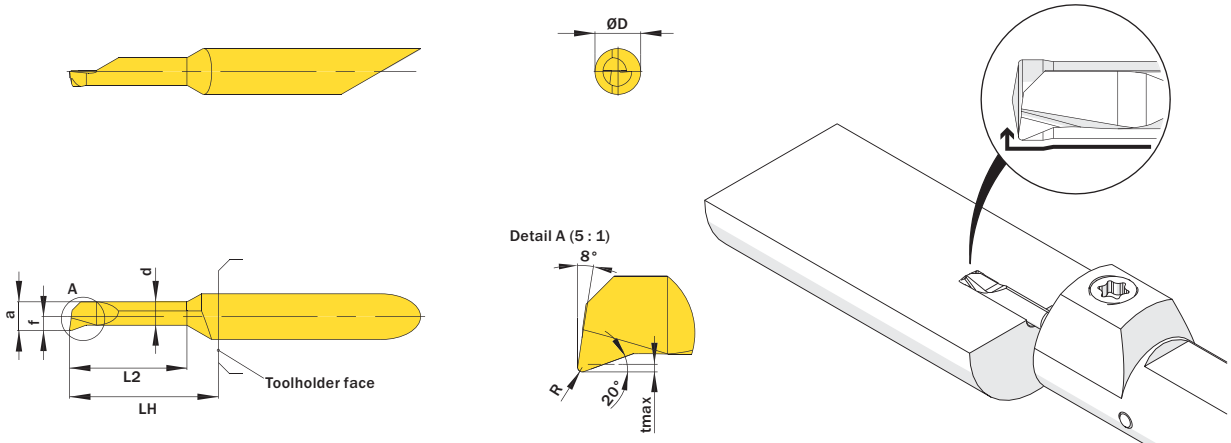


Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	tmax	Connectcode www.simtek.com/ccode
mm	mm	mm	mm					mm	mm	mm	mm	mm	

Continued Table **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 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 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 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 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 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 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 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 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 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 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 X400	3,45	3,05	1,95	33,0	0,2	A04C.R	

Related Items can be found on the following page as well! Continued Table

Order example: **A04.1817.15.37.15 YR X800** (R = Right hand version, X800 = Grade)

Boring

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

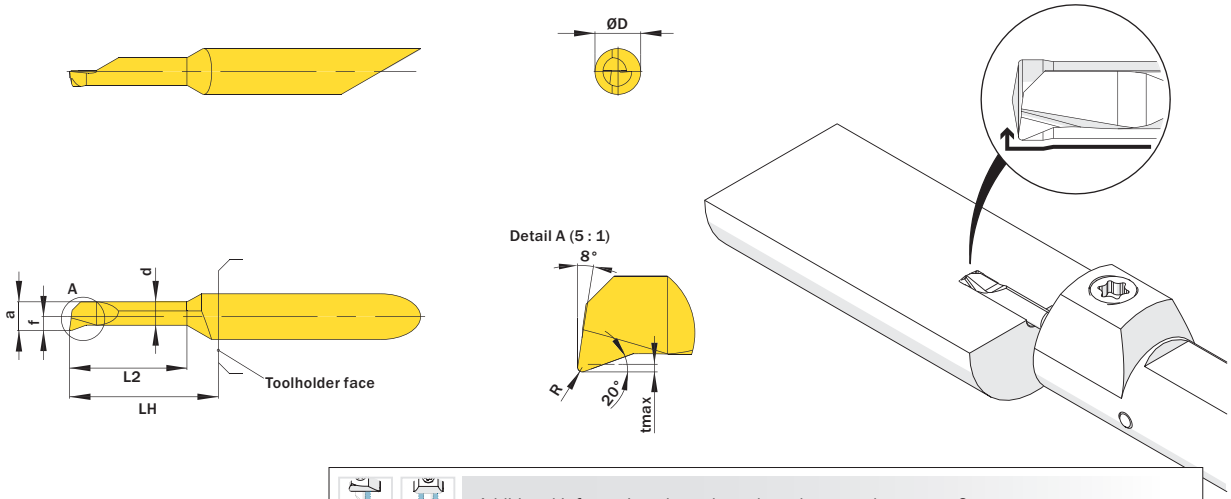
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
19, 20, 23, 29, 30, 32, 42, 43, 45, 48, 49, 50, 51, 54, 56, 57, 60, 61, 62

Similar tools on page
65

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/1040**



Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	tmax	Connectcode www.simtek.com/ccode
mm	mm	mm	mm					mm	mm	mm	mm	mm	
Continued Table					**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 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 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 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 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 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 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 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 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 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 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 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 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 X400	3,95	3,45	1,95	38,0	0,3	A04C.R
					Related Items can be found on the following page as well!								Continued Table

Order example: **A04.1820.15.42.15 YR X800** (R = Right hand version, X800 = Grade)

Boring

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

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
15, 19, 22, 24, 30, 33, 42, 43, 45, 48, 49, 50, 51, 55, 56, 57, 59, 60, 61, 62

Similar tools on page
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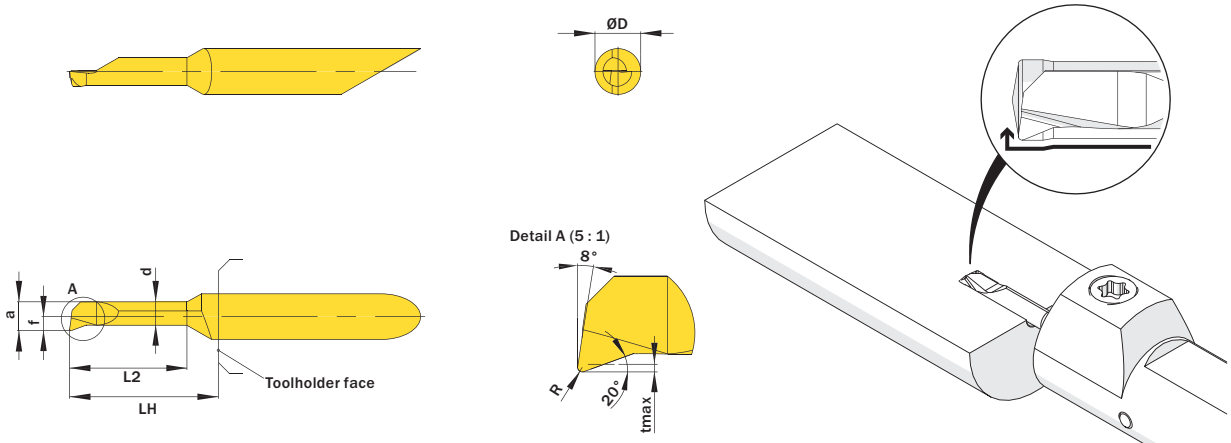
SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/1073**



Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode		Our first choice P K M N S		a	d	f	LH	tmax	Connectcode www.simtek.com/ccode	
mm	mm	mm	mm							mm	mm	mm	mm	mm		
Continued Table					**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		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		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		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		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		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		4,65	3,95	2,45	43,0	0,4	R A05.R L A05.L	

Related Items can be found on the following page as well! Continued Table

Order example: **A05.1825.40.49.20 YR X800** (R = Right hand version, X800 = Grade)

Boring

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

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
15, 19, 22, 24, 30, 33, 42, 43, 45, 48, 49, 50, 51, 55, 56, 57, 59, 60, 61, 62

Similar tools on page
65

SP HM R Legend **126**

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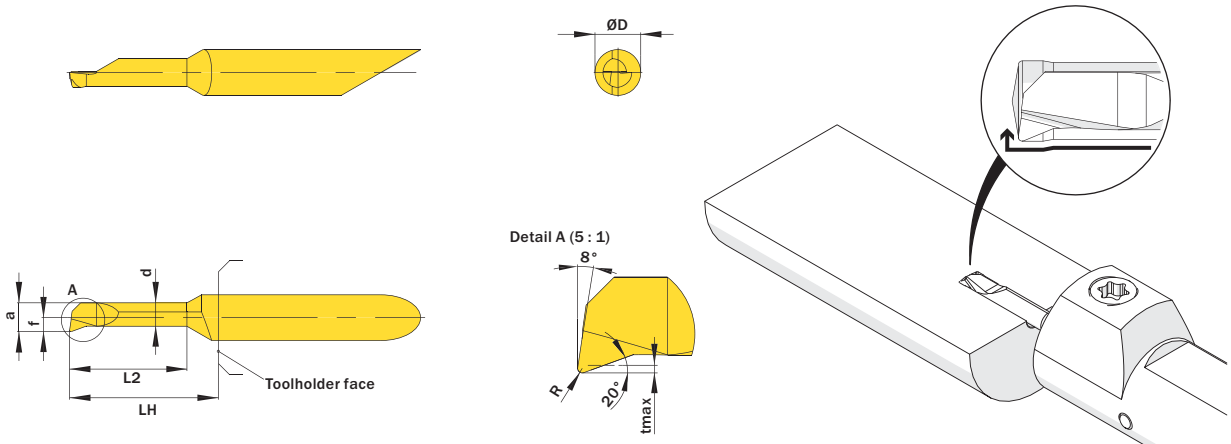


Additional information about through coolant supply on page 9

ØD mm	L2 mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm	d mm	f mm	LH mm	tmax mm	Connectcode www.simtek.com/ccode	
Continued Table					**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 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 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 AKBB	X800 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 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 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 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 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 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 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 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 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 AHH4	X800 X400	4,95	4,25	2,45	43,0	0,5	R A05.R L A05.L	

Related Items can be found on the following page as well! Continued Table

Order example: **A05.1825.20.52.20 YR X800** (R = Right hand version, X800 = Grade)

Boring

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

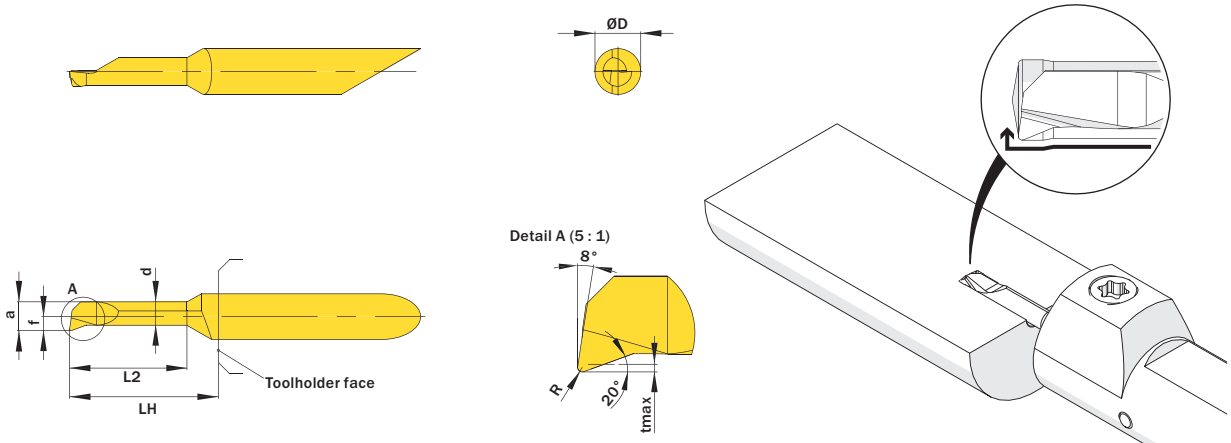
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
16, 19, 25, 31, 34, 42, 43, 45, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62

Similar tools on page
65

SP HM R Legend **126**

Scan **QR-Code** Or Visit **www.simtek.info/cp/1074**



Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	tmax	Connectcode www.simtek.com/ccode
mm	mm	mm	mm					mm	mm	mm	mm	mm	
Continued Table					**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 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 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 X400	5,65	4,95	2,95	48,0	0,4	A06.R
					Related Items can be found on the following page as well!								Continued Table

Order example: **A06.1830.35.59.20 YR X800** (R = Right hand version, X800 = Grade)

Boring

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

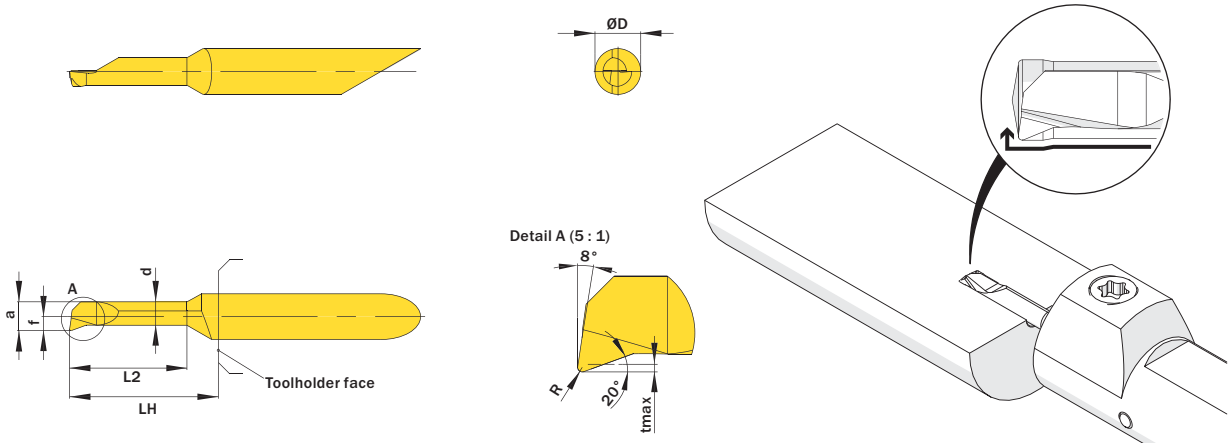
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
16, 17, 19, 25, 26, 31, 34, 35, 42, 43, 44, 45, 46, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62

Similar tools on page
65

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/1042**



Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	tmax	Connectcode www.simtek.com/ccode
mm	mm	mm	mm					mm	mm	mm	mm	mm	

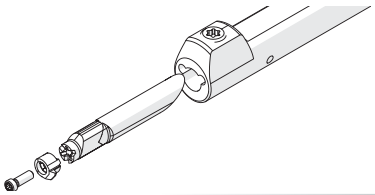
Continued Table **Related Items can be found on the previous page as well!**

▼ 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	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	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	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	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	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	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	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	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	5,95	5,25	2,95	53,0	0,5	R	A06.R	L	A06.L
▼ 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	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	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	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	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	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	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	6,95	6,25	3,45	63,0	0,5	A07.R			

Order example: **A06.1830.20.62.20 YR X800** (R = Right hand version, X800 = Grade)

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.



Boring with special chip former

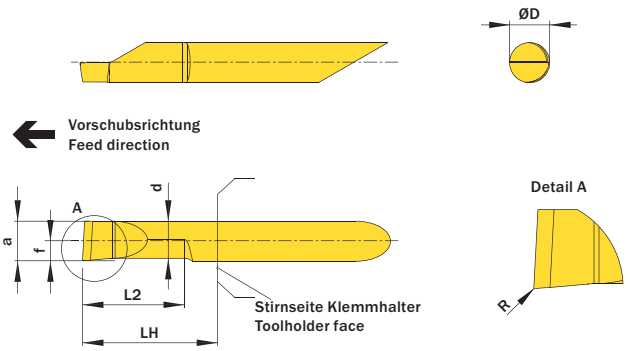
Special chipformer for improved chip control. Centered edition with improved coolant supply and cutting edge positioning. For use in bores as of minimum bore diameter 1,0 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
19, 20, 23, 29, 30, 32, 42, 43, 45, 47, 48, 49, 50, 51, 54, 56, 57, 60, 61, 62, 64

SP HM R Legend **126**

Scan **QR-Code** Or Visit **www.simtek.info/cp/1096**



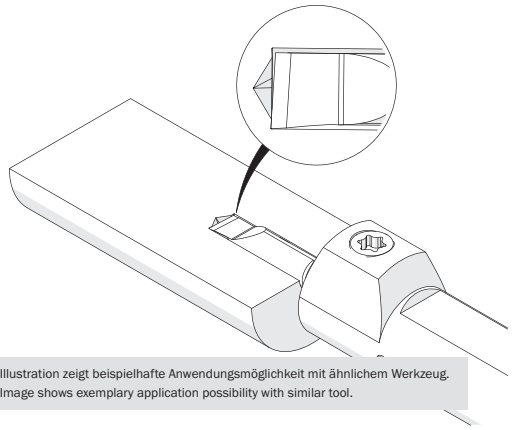


Illustration zeigt beispielhafte Anwendungsmöglichkeit mit ähnlichem Werkzeug.
Image shows exemplary application possibility with similar tool.

Additional information about through coolant supply on page 9

ØD mm	L2 mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm	d mm	f mm	LH mm	Connectcode www.simtek.com/ccode
▼ ØDmin (min. bore) = 1,0 mm												
4,0	4,1	1,0	0,05	+	**A04.8704.04.10.05 YS R**	AX3P	X800 X400	0,95	0,8	1,95	13,0	A04C.R
▼ ØDmin (min. bore) = 1,2 mm												
4,0	6,1	1,2	0,05	+	**A04.8705.06.12.05 YS R**	AX3Q	X800 X400	1,1	0,95	1,95	13,0	A04C.R
▼ ØDmin (min. bore) = 1,4 mm												
4,0	6,1	1,4	0,05	+	**A04.8706.06.14.05 YS R**	AX3N	X800 X400	1,3	1,15	1,95	13,0	A04C.R
▼ ØDmin (min. bore) = 1,7 mm												
4,0	6,1	1,7	0,05	+	**A04.8707.06.17.05 YS R**	AX9J	X800 X400	1,45	3,95	1,95	13,0	A04C.R
4,0	6,1	1,7	0,1	+	**A04.8707.06.17.10 YS R**	AX1X	X800 X400	1,45	1,3	1,95	13,0	A04C.R
▼ ØDmin (min. bore) = 2,2 mm												
4,0	9,1	2,2	0,05	+	**A04.8710.09.22.05 YS R**	AX3U	X800 X400	1,95	1,8	1,95	13,0	A04C.R
▼ ØDmin (min. bore) = 2,7 mm												
4,0	10,2	2,7	0,05	+	**A04.8712.10.27.05 YS R**	AX56	X800 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	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	2,45	2,3	1,95	18,0	A04C.R
▼ ØDmin (min. bore) = 3,2 mm												
4,0	10,2	3,2	0,05	+	**A04.8715.10.32.05 YS R**	AX55	X800 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	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	2,95	2,8	1,95	18,0	A04C.R
▼ ØDmin (min. bore) = 4,2 mm												
4,0	10,2	4,2	0,05	+	**A04.8720.10.42.05 YS R**	AXYU	X800 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	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	3,95	3,7	1,95	18,0	A04C.R

Continued Table **Related Items can be found on the previous page as well!**

Order example: **A04.8705.06.12.05 YS R X800** (R = Right hand version, X800 = Grade)

Boring with special chip former

Special chipformer and chip flute for improved chip control. Centered edition with improved coolant supply and cutting edge positioning. For use in bores as of minimum bore diameter 4,2 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 15, 16, 17, 19, 21, 22, 23, 24, 25, 26, 29, 30, 31, 32, 33, 34, 35, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/1227**

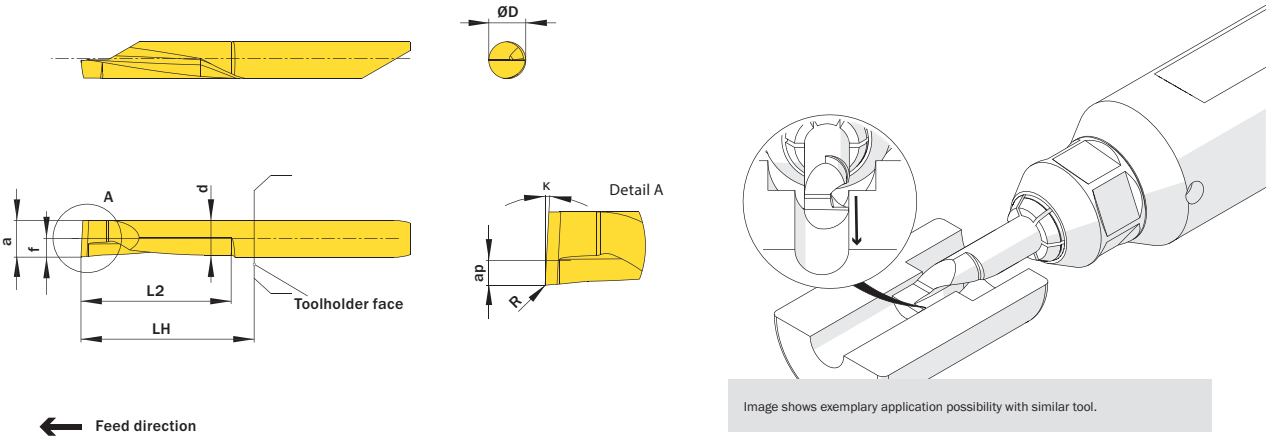


Image shows exemplary application possibility with similar tool.

Feed direction

Additional information about through coolant supply on page 9

ØD mm	L2 mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	κ	a mm	ap mm	d mm	f mm	LH mm	Connectcode www.simtek.com/ccode
▼ ØDmin (min. bore) = 4,2 mm														
4,0	30,5	4,2	0,075	+	**A04.1H20.30.42.07 YS R**	A1CY	X800 X400	8°	3,95	0,21	3,55	1,95	38,0	A04.R
4,0	30,5	4,2	0,05	+	**A04.5H20.30.42.05 YS R**	A1C0	X800 X400	50°	3,95	0,21	3,55	1,95	38,0	A04.R
▼ ØDmin (min. bore) = 5,2 mm														
5,0	40,6	5,2	0,075	+	**A05.1H25.40.52.07 YS R**	A1C2	X800 X400	8°	4,95	0,26	4,55	2,45	48,0	A05.R
5,0	40,6	5,2	0,05	+	**A05.5H25.40.52.05 YS R**	A1C4	X800 X400	50°	4,95	0,26	4,55	2,45	48,0	A05.R
5,0	15,2	5,2	0,05	+	**A05.8H25.15.52.05 YS R**	A020	X800 X400	3°	4,95	0,26	4,7	2,45	23,0	A05.R
5,0	20,3	5,2	0,05	+	**A05.8H25.20.52.05 YS R**	AYCU	X800 X400	3°	4,95	0,26	4,7	2,45	28,0	A05.R
5,0	20,3	5,2	0,1	+	**A05.8H25.20.52.10 YS R**	AZXY	X800 X400	3°	4,95	0,26	4,7	2,45	28,0	A05.R
5,0	30,5	5,2	0,1	+	**A05.8H25.30.52.10 YS R**	AZXZ	X800 X400	3°	4,95	0,26	4,7	2,45	38,0	A05.R
▼ ØDmin (min. bore) = 6,2 mm														
6,0	45,7	6,2	0,05	+	**A06.5H30.45.62.05 YS R**	A1C8	X800 X400	50°	5,95	0,31	5,5	2,95	53,0	A06.R
6,0	15,2	6,2	0,15	+	**A06.8H30.15.62.15 YS R**	A022	X800 X400	3°	5,95	0,31	5,7	2,95	23,0	A06.R
6,0	20,3	6,2	0,15	+	**A06.8H30.20.62.15 YS R**	AX22	X800 X400	3°	5,95	0,31	5,7	2,95	28,0	A06.R
▼ ØDmin (min. bore) = 7,2 mm														
7,0	55,8	7,2	0,075	+	**A07.1H35.55.72.07 YS R**	A1DA	X800 X400	8°	6,95	0,36	6,5	3,45	63,0	A07.R
7,0	55,8	7,2	0,05	+	**A07.5H35.55.72.05 YS R**	A1DC	X800 X400	50°	6,95	0,36	6,5	3,45	63,0	A07.R

Order example: **A06.8H30.20.62.15 YS R X800** (R = Right hand version, X800 = Grade)

Boring with special chip former

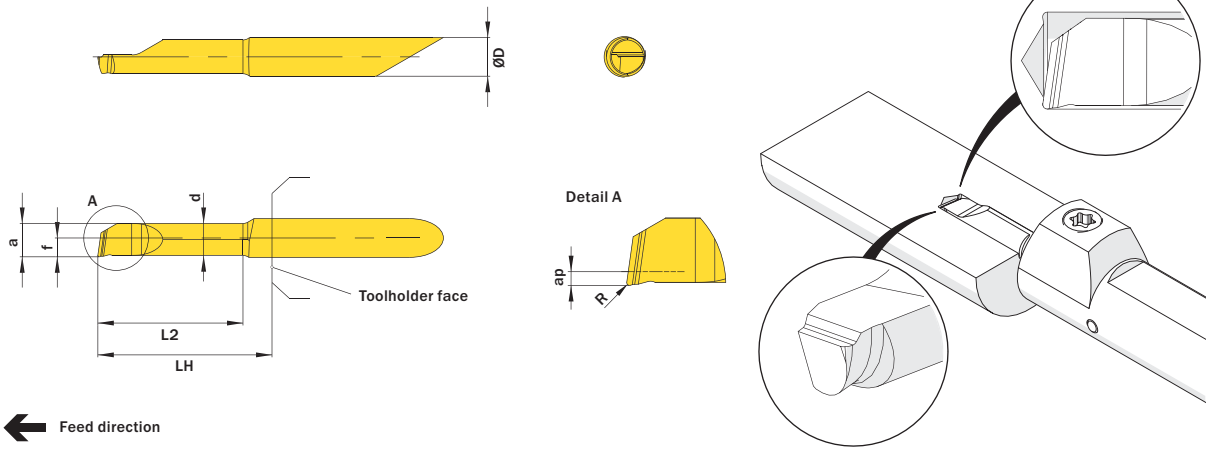
Special chipformer for improved chip control. Centered edition with improved coolant supply and cutting edge positioning. For use in bores as of minimum bore diameter 2,7 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
15, 19, 20, 22, 23, 24, 29, 30, 32, 33, 42, 43, 45, 47, 48, 49, 50, 51, 54, 55, 56, 57, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/1045**



Drawing shows: A04.0C17.15.37.15 YER

Additional information about through coolant supply on page 9

ØD mm	L2 mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode		Our first choice P K M N S		a mm	ap mm	d mm	f mm	LH mm	Connectcode www.simtek.com/ccode	
▼ 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		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		2,45	0,4	2,3	1,95	18,0	R A04C.R	L A04C.L
▼ 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		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 AUP0	L AUP1	X800 X400		2,95	0,4	2,8	1,95	18,0	R A04C.R	L A04C.L
▼ 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		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		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		3,45	0,5	3,3	1,95	23,0	R A04C.R	L A04C.L
▼ 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		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		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		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		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		3,95	0,5	3,8	1,95	28,0	R A04C.R	L A04C.L
▼ 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		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 A065	X800 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		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		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		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		4,95	0,6	4,75	2,45	33,0	R A05.R	L A05.L

Order example: **A05.0025.25.52.20 YER X800** (R = Right hand version, X800 = Grade)

Boring with special chip former

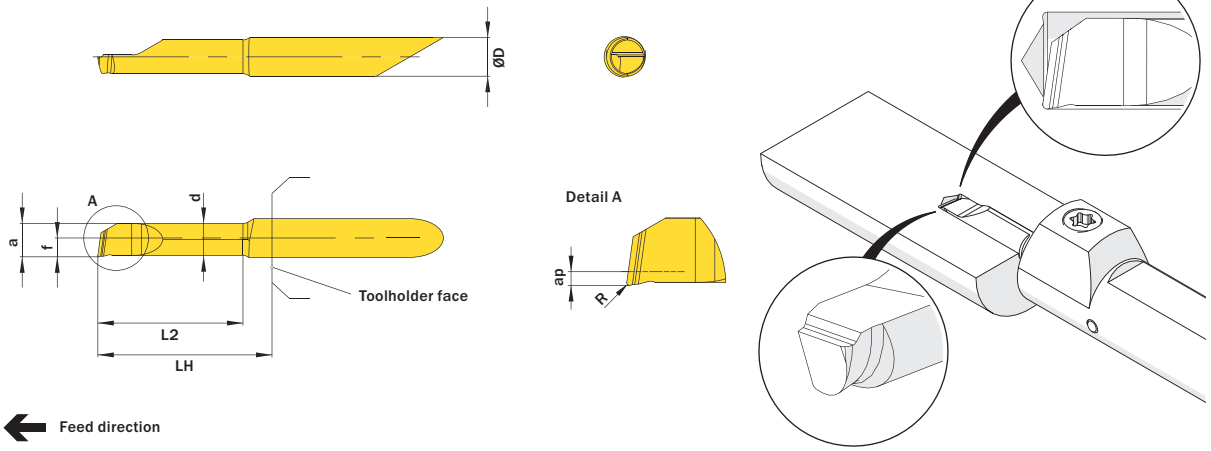
Special chipformer for improved chip control. Centered edition with improved coolant supply and cutting edge positioning. For use in bores as of minimum bore diameter 6,2 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
16, 17, 19, 25, 26, 31, 34, 35, 42, 43, 44, 45, 46, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/1107**



Drawing shows: A04.0C17.15.37.15 YER

Additional information about through coolant supply on page 9

ØD mm	L2 mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm	ap mm	d mm	f mm	LH mm	Connectcode www.simtek.com/ccode
▼ 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	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	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	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	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	5,95	0,75	5,7	2,95	43,0	R A06.R L A06.L
▼ 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	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	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	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	6,95	0,9	6,65	3,45	43,0	R A07.R L A07.L

Order example: **A07.0035.30.72.20 YER X800** (R = Right hand version, X800 = Grade)

Machining and boring of bores

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

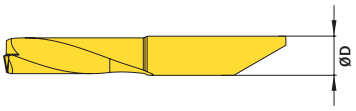
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

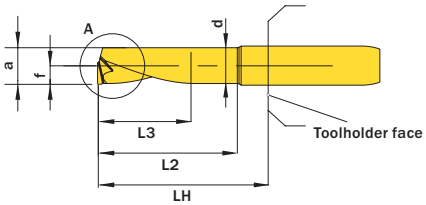
Suitable toolholders on page
14, 21, 22, 23, 24, 25, 26, 27, 30, 31, 32, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 53, 61, 62

SP HM | R | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/1260**

1 Machining of the bore



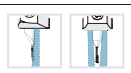


Detail A

2 Boring of the bore

Feed direction

Drawing shows: A07.DB34.25.70.20 YR

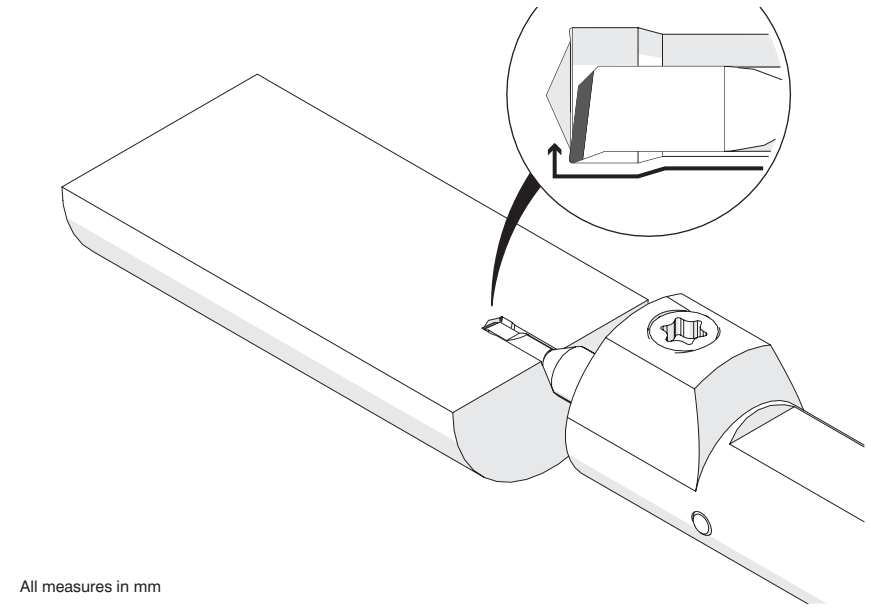


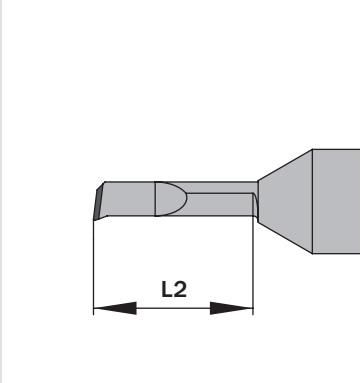
Additional information about through coolant supply on page 9

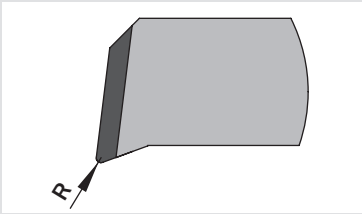
ØD mm	f mm	L2 mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm	d mm	ØDCMIN mm	ØDCMAX mm	L3 (max. depth of bore) mm	LH mm	Connectcode www.simtek.com/ccode
▼ ØDCMAX = 4,0 mm														
4,0	1,85	15,2	0,15	+	**A04.DB19.15.40.15 YR**	A04Y	X800 X400	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	7,55	7,4	7,7	8,0	25,0	33,0	A08T

Order example: **A06.DB29.15.60.20 YR X800** (R = Right hand version, X800 = Grade)

Boring, Hard Part Turning







All measures in mm

Part number	ØDmin (min. bore)	L2	R	see Page
A04.1C04.04.10.10 YUR/L	1,0	4,0	0,1	83
A04.1C04.06.10.10 YUR/L	1,0	6,0	0,1	83
A04.1C04.08.10.10 YUR/L	1,0	8,1	0,1	83
A04.1C05.04.12.10 YUR/L	1,2	5,1	0,1	83
A04.1C05.07.12.10 YUR/L	1,2	7,1	0,1	83
A04.1C05.09.12.10 YUR/L	1,2	9,1	0,1	83
A04.1C06.06.14.10 YUR/L	1,4	6,1	0,1	83
A04.1C06.10.14.10 YUR/L	1,4	10,2	0,1	83
A04.1807.06.17.10 YUR/L	1,7	6,0	0,1	83
A04.1C07.06.17.10 YUR/L	1,7	6,0	0,1	83
A04.1C07.09.17.10 YUR/L	1,7	9,1	0,1	83
A04.1C08.09.19.10 YUR/L	1,9	9,1	0,1	83
A04.1C08.12.19.10 YUR/L	1,9	12,2	0,1	83
A04.1C10.06.22.10 YUR/L	2,2	6,0	0,1	83
A04.1810.09.22.10 YUR/L	2,2	9,1	0,1	83
A04.1C10.09.22.10 YUR/L	2,2	9,1	0,1	83
A04.1C10.13.22.10 YUR/L	2,2	13,2	0,1	83
A04.1812.10.27.15 YUR/L	2,7	10,2	0,15	84
A04.1C12.10.27.15 YUR/L	2,7	10,2	0,15	84
A04.1812.15.27.15 YUR/L	2,7	15,2	0,15	84
A04.1C12.15.27.15 YUR/L	2,7	15,2	0,15	84
A04.1C14.15.30.15 YUR/L	3,0	15,2	0,15	84
A04.1C14.20.30.15 YUR/L	3,0	20,3	0,15	84
A04.1815.10.32.15 YUR/L	3,2	10,2	0,15	84
A04.1C15.10.32.15 YUR/L	3,2	10,2	0,15	84
A04.1815.15.32.15 YUR/L	3,2	15,2	0,15	84
A04.1C15.15.32.15 YUR/L	3,2	15,2	0,15	84
A04.1815.20.32.15 YUR/L	3,2	20,3	0,15	84
A04.1C15.20.32.15 YUR/L	3,2	20,3	0,15	84
A04.1C17.10.37.15 YUR/L	3,7	10,2	0,15	84
A04.1817.15.37.15 YUR/L	3,7	15,2	0,15	84
A04.1C17.15.37.15 YUR/L	3,7	15,2	0,15	84
A04.1C17.20.37.15 YUR/L	3,7	20,3	0,15	84
A04.1C17.25.37.10 YUR/L	3,7	25,4	0,1	84
A04.1C17.25.37.15 YUR/L	3,7	25,4	0,15	84
A04.1820.10.42.15 YUR/L	4,2	10,2	0,15	85
A04.2020.10.42.15 YUR/L	4,2	10,2	0,15	85
A04.1820.15.42.15 YUR/L	4,2	15,2	0,15	85
A04.1820.20.42.15 YUR/L	4,2	20,3	0,15	85
A04.1820.25.42.15 YUR/L	4,2	25,4	0,15	85
A05.1825.10.52.20 YUR/L	5,2	10,2	0,2	85

Part number	ØDmin (min. bore)	L2	R	see Page
A05.1825.15.52.20 YUR/L	5,2	15,2	0,2	85
A05.1825.20.52.20 YUR/L	5,2	20,3	0,2	85
A05.1825.25.52.20 YUR/L	5,2	25,4	0,2	85
A05.1825.30.52.20 YUR/L	5,2	30,5	0,2	85
A05.1825.40.52.20 YUR/L	5,2	40,6	0,2	85
A06.1830.15.62.20 YUR/L	6,2	15,2	0,2	86
A06.1830.20.62.20 YUR/L	6,2	20,3	0,2	86
A06.1830.25.62.20 YUR/L	6,2	25,4	0,2	86
A06.1830.30.62.20 YUR/L	6,2	30,5	0,2	86
A06.1830.35.62.20 YUR/L	6,2	35,6	0,2	86
A06.1830.40.62.20 YUR/L	6,2	40,6	0,2	86
A07.1835.25.72.20 YUR/L	7,2	25,4	0,2	86
A07.1835.30.72.20 YUR/L	7,2	30,5	0,2	86
A07.1835.35.72.20 YUR/L	7,2	35,6	0,2	86
A07.1835.40.72.20 YUR/L	7,2	40,6	0,2	86
A07.1835.50.72.20 YUR/L	7,2	50,8	0,2	86

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.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 19, 20, 21, 23, 29, 30, 32, 42, 43, 45, 47, 48, 49, 50, 51, 54, 56, 57, 59, 60, 61, 62, 64

Similar tools on page
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SP CBN R Legend **126**

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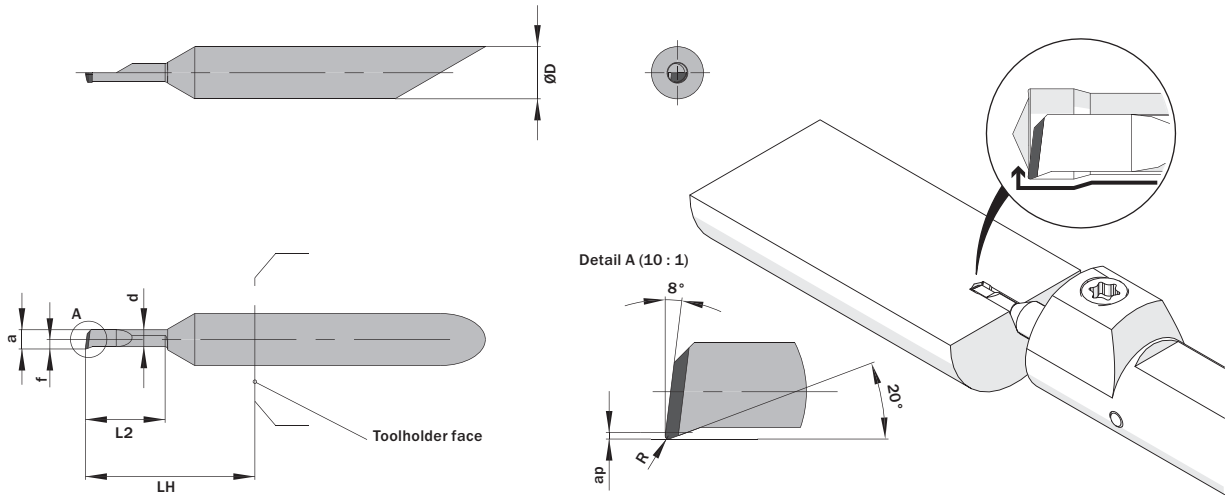


Additional information about through coolant supply on page 9

ØD mm	L2 mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice H	a mm	ap mm	d mm	f mm	LH mm	Connectcode www.simtek.com/ccode
▼ ØDmin (min. bore) = 1,0 mm													
4,0	4,0	1,0	0,1	+	**A04.1C04.04.10.10 YUR/L**	R ADBK L AJ4P	GT91	0,95	0,05	0,65	1,95	13,0	R A04C.R L A04C.L
4,0	6,0	1,0	0,1	+	**A04.1C04.06.10.10 YUR/L**	R ADCN L APKW	GT91	0,95	0,05	0,65	1,95	13,0	R A04C.R L A04C.L
4,0	8,1	1,0	0,1	+	**A04.1C04.08.10.10 YUR/L**	R AKCE L ACV1	GT91	0,95	0,05	0,65	1,95	13,0	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 1,2 mm													
4,0	5,1	1,2	0,1	+	**A04.1C05.04.12.10 YUR/L**	R AW3Y L AW3X	GT91	1,1	0,06	0,8	1,95	13,0	R A04C.R L A04C.L
4,0	7,1	1,2	0,1	+	**A04.1C05.07.12.10 YUR/L**	R AW30 L AW3Z	GT91	1,1	0,06	0,8	1,95	13,0	R A04C.R L A04C.L
4,0	9,1	1,2	0,1	+	**A04.1C05.09.12.10 YUR/L**	R AW32 L AW31	GT91	1,1	0,06	0,8	1,95	13,0	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 1,4 mm													
4,0	6,1	1,4	0,1	+	**A04.1C06.06.14.10 YUR/L**	R AW34 L AW33	GT91	1,25	0,07	0,9	1,95	13,0	R A04C.R L A04C.L
4,0	10,2	1,4	0,1	+	**A04.1C06.10.14.10 YUR/L**	R AW36 L AW35	GT91	1,25	0,07	0,9	1,95	13,0	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 1,7 mm													
4,0	6,0	1,7	0,1	-	**A04.1807.06.17.10 YUR/L**	R AG1U L AGGP	CBN	1,45	0,08	1,05	0,7	13,0	R A04.R L A04.L
4,0	6,0	1,7	0,1	+	**A04.1C07.06.17.10 YUR/L**	R AJ7P L AN6Q	GT91	1,45	0,08	1,05	1,95	13,0	R A04C.R L A04C.L
4,0	9,1	1,7	0,1	+	**A04.1C07.09.17.10 YUR/L**	R AN0V L A120	GT91	1,45	0,08	1,05	1,95	13,0	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 1,9 mm													
4,0	9,1	1,9	0,1	+	**A04.1C08.09.19.10 YUR/L**	R AW38 L AW37	GT91	1,65	0,1	1,25	1,95	13,0	R A04C.R L A04C.L
4,0	12,2	1,9	0,1	+	**A04.1C08.12.19.10 YUR/L**	R AW4A L AW39	GT91	1,65	0,1	1,25	1,95	18,0	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 2,2 mm													
4,0	6,0	2,2	0,1	+	**A04.1C10.06.22.10 YUR/L**	R AAPX L AJMG	GT91	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	CBN	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	GT91	1,95	0,11	1,55	1,95	13,0	R A04C.R L A04C.L
4,0	13,2	2,2	0,1	+	**A04.1C10.13.22.10 YUR/L**	R ABTM L AFZ1	GT91	1,95	0,11	1,55	1,95	18,0	R A04C.R L A04C.L

Related Items can be found on the following page as well! Continued Table ▶

Order example: **A04.1807.06.17.10 YUR CBN8** (R = Right hand version, CBN8 = Grade)

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.

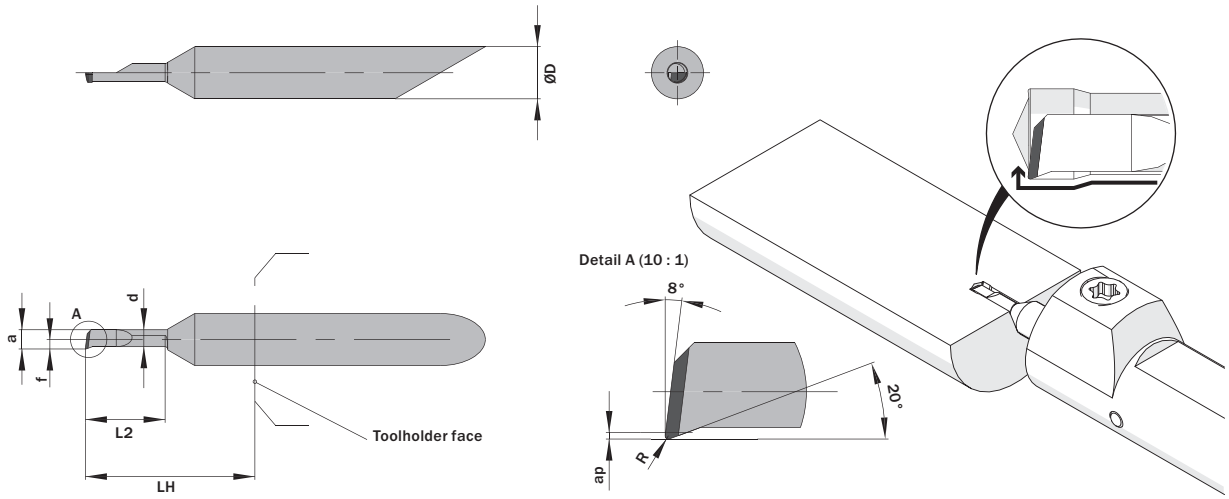
Cutting parameters (start)	
f **0,02 mm/U**	Vc **PPage 133**

Suitable toolholders on page
13, 19, 20, 21, 23, 29, 30, 32, 42, 43, 45, 47, 48, 49, 50, 51, 54, 56, 57, 59, 60, 61, 62, 64

Similar tools on page
82

SP CBN R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/1052**



Additional information about through coolant supply on page 9

ØD mm	L2 mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice H	a mm	ap mm	d mm	f mm	LH mm	Connectcode www.simtek.com/ccode
▼ 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	CBN	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	GT91	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	CBN	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	GT91	2,45	0,13	2,05	1,95	18,0	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 3,0 mm													
4,0	15,2	3,0	0,15	+	**A04.1C14.15.30.15 YUR/L**	R AW4C L AW4B	GT91	2,75	0,1	2,35	1,95	23,0	R A04C.R L A04C.L
4,0	20,3	3,0	0,15	+	**A04.1C14.20.30.15 YUR/L**	R AGYZ L ANDP	GT91	2,75	0,1	2,35	1,95	23,0	R A04C.R L A04C.L
▼ 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	CBN	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	GT91	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 AGGV L AJV6	CBN	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	GT91	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	CBN	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	GT91	2,95	0,16	2,55	1,95	23,0	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 3,7 mm													
4,0	10,2	3,7	0,15	+	**A04.1C17.10.37.15 YUR/L**	R AF4J L AHZV	GT91	3,45	0,18	3,05	1,95	13,0	R A04C.R L A04C.L
4,0	15,2	3,7	0,15	-	**A04.1817.15.37.15 YUR/L**	R ABVW L AFNM	CBN	3,45	0,18	3,05	1,7	18,0	R A04.R L A04.L
4,0	15,2	3,7	0,15	+	**A04.1C17.15.37.15 YUR/L**	R AJ9Y L ABDU	GT91	3,45	0,18	3,05	1,95	18,0	R A04C.R L A04C.L
4,0	20,3	3,7	0,15	+	**A04.1C17.20.37.15 YUR/L**	R AHN6 L ABFZ	GT91	3,45	0,18	3,05	1,95	23,0	R A04C.R L A04C.L
4,0	25,4	3,7	0,1	+	**A04.1C17.25.37.10 YUR/L**	R AK2Z L AGKZ	GT91	3,45	0,18	3,05	1,95	28,0	R A04C.R L A04C.L
4,0	25,4	3,7	0,15	+	**A04.1C17.25.37.15 YUR/L**	R AM56 L ATWA	GT91	3,45	0,18	3,05	1,95	28,0	R A04C.R L A04C.L

Continued Table **Related Items can be found on the previous page as well!**

Related Items can be found on the following page as well! Continued Table

Order example: **A04.1817.15.37.15 YUR CBN8** (R = Right hand version, CBN8 = Grade)

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.

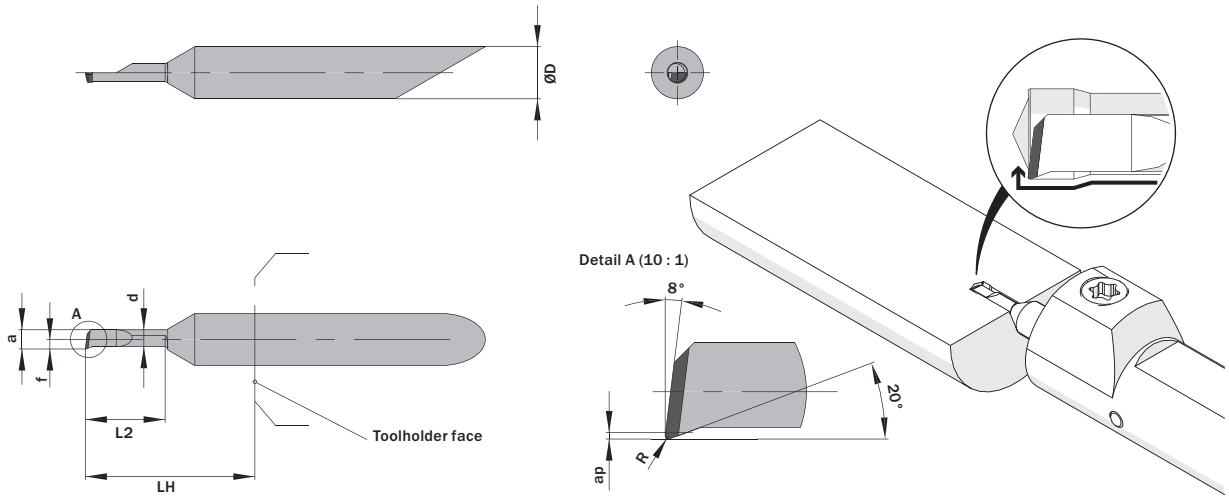
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 15, 19, 20, 21, 22, 23, 24, 29, 30, 32, 33, 42, 43, 45, 47, 48, 49, 50, 51, 54, 55, 56, 57, 59, 60, 61, 62, 64

Similar tools on page
82

SP CBN R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/1053**



Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice	a	ap	d	f	LH	Connectcode www.simtek.com/ccode			
mm	mm	mm	mm				H	mm	mm	mm	mm	mm				

Continued Table **Related Items can be found on the previous page as well!**

▼ ØDmin (min. bore) = 4,2 mm																			
4,0	10,2	4,2	0,15	+	**A04.1820.10.42.15 YUR/L**	R AH9U	L AH6F	CBN/GT91	3,95	0,21	3,45	1,95	13,0	R A04C.R	L A04C.L
4,0	15,2	4,2	0,15	+	**A04.1820.15.42.15 YUR/L**	R AJ94	L AMC8	CBN/GT91	3,95	0,21	3,45	1,95	18,0	R A04C.R	L A04C.L
4,0	20,3	4,2	0,15	+	**A04.1820.20.42.15 YUR/L**	R AHVV	L ABZS	CBN/GT91	3,95	0,21	3,45	1,95	23,0	R A04C.R	L A04C.L
4,0	25,4	4,2	0,15	+	**A04.1820.25.42.15 YUR/L**	R AKJE	L ACN3	CBN/GT91	3,95	0,21	3,45	1,95	28,0	R A04C.R	L A04C.L
4,0	10,2	4,2	0,15	+	**A04.2020.10.42.15 YUR/L**	R AQQC	L A4X3	CBN/GT91	3,95	0,21	3,45	1,95	13,0	R A04.R	L A04.L
▼ 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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	4,95	0,26	4,25	2,45	43,0	R A05.R	L A05.L

Related Items can be found on the following page as well! Continued Table

Order example: **A05.1825.15.52.20 YUR X800** (R = Right hand version, X800 = Grade)

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.

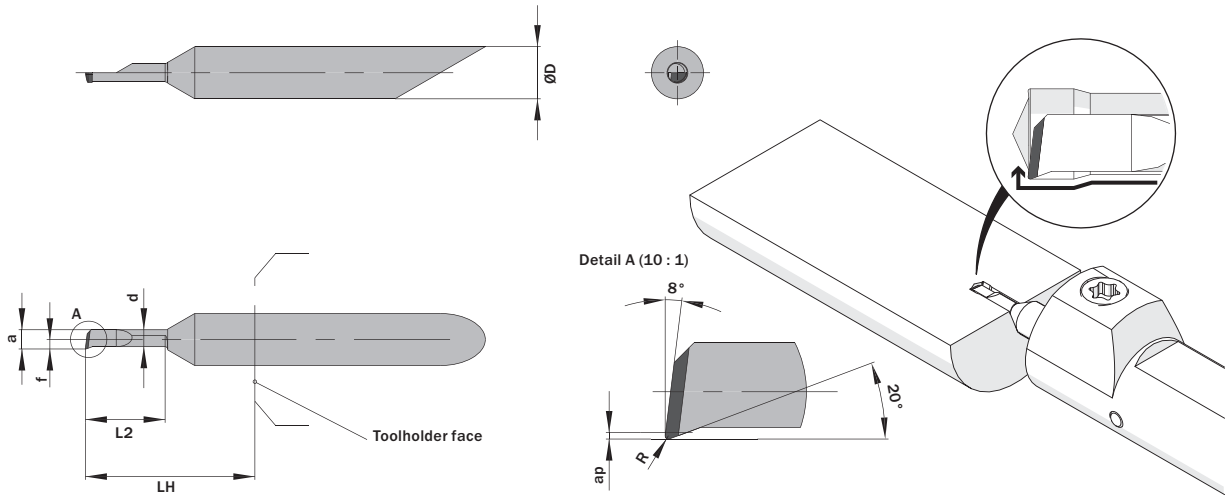
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
16, 17, 19, 25, 26, 31, 34, 35, 42, 43, 44, 45, 46, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

Similar tools on page
82

SP CBN R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/1063**



Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice	a	ap	d	f	LH	Connectcode www.simtek.com/ccode			
mm	mm	mm	mm				H	mm	mm	mm	mm	mm				

Continued Table **Related Items can be found on the previous page as well!**

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode		Webcode		Our first choice	a	ap	d	f	LH	Connectcode		Connectcode	
▼ 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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	5,95	0,31	5,25	2,95	43,0	R	A06.R	L	A06.L
▼ 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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	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	CBN/GT91	6,95	0,36	6,25	3,45	53,0	R	A07.R	L	A07.L

Order example: **A06.1830.15.62.20 YUR CBN8** (R = Right hand version, CBN8 = Grade)

Boring

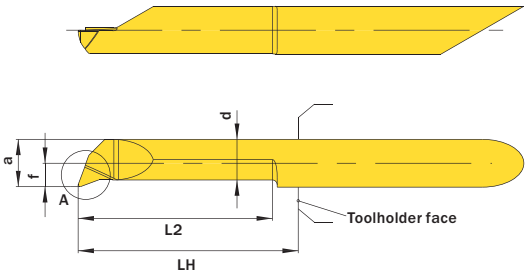
With 20° front side clearance angle. For use in bores as of minimum bore diameter 1,0 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

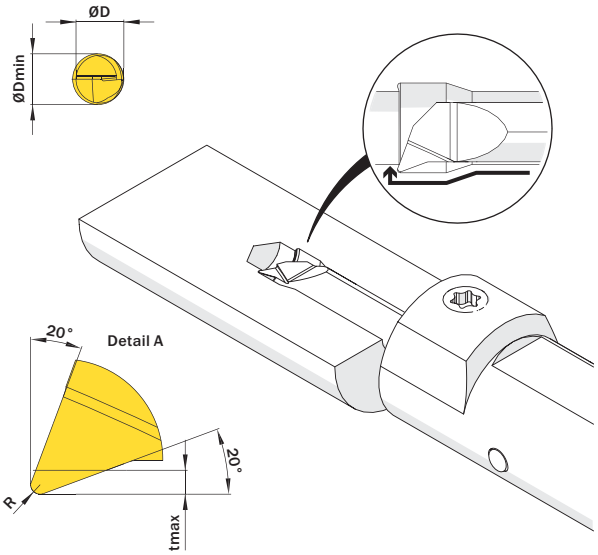
Suitable toolholders on page
13, 19, 20, 21, 23, 29, 30, 32, 42, 43, 45, 47, 48, 49, 50, 51, 54, 56, 57, 59, 60, 61, 62, 64

SP HM R Legend **126**

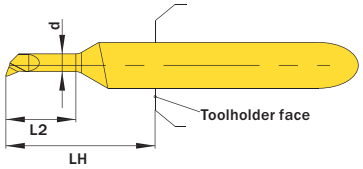
Scan QR-Code Or Visit **www.simtek.info/cp/752**



Drawing shows: A05.2025.20.52.20 Y R



Version LH = 13,0 mm
0.512"



Drawing shows: A04.2010.06.22.10 Y R

Additional information about through coolant supply on page 9

ØD mm	L2 mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm	d mm	f mm	LH mm	tmax mm	Connectcode www.simtek.com/ccode
▼ ØDmin (min. bore) = 1,0 mm													
4,0	4,0	1,0	0,1	+	**A04.2C04.04.10.10 YR/L**	R AW9Z L AXAU	X800 X400	0,95	0,65	1,95	13,0	0,1	R A04C.R L A04C.L
4,0	6,0	1,0	0,1	+	**A04.2C04.06.10.10 YR/L**	R AW90 L AXAV	X800 X400	0,95	0,65	1,95	13,0	0,1	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 1,7 mm													
4,0	6,0	1,7	0,1	+	**A04.2C07.06.17.10 YR/L**	R AW91 L AXAW	X800 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	1,45	1,05	1,95	13,0	0,2	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 2,2 mm													
4,0	6,0	2,2	0,1	-	**A04.2010.06.22.10 YR/L**	R AMGH L ABMV	X800 X400	1,95	1,55	0,95	13,0	0,2	R A04.R L A04.L
4,0	6,0	2,2	0,1	+	**A04.2C10.06.22.10 YR/L**	R AXBJ L AXBT	X800 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	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	1,95	1,55	1,95	13,0	0,2	R A04C.R L A04C.L
▼ 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	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	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	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	2,45	2,05	1,95	18,0	0,2	R A04C.R L A04C.L

Related Items can be found on the following page as well! Continued Table

Order example: **A04.2010.06.22.10 YR X800** (R = Right hand version, X800 = Grade)

Boring

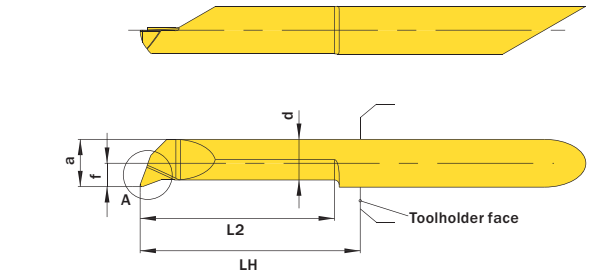
With 20° front side clearance angle. For use in bores as of minimum bore diameter 3,2 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

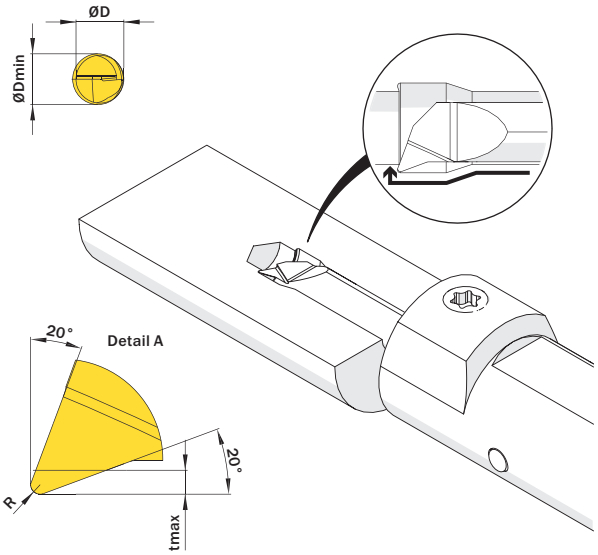
Suitable toolholders on page
13, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 29, 30, 31, 32, 33, 34, 35, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

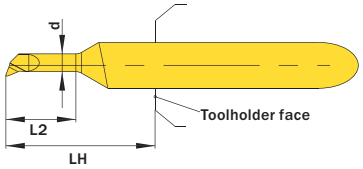
Scan QR-Code Or Visit **www.simtek.info/cp/1056**



Drawing shows: A05.2025.20.52.20 Y R



Version LH = 13,0 mm
0.512"



Drawing shows: A04.2010.06.22.10 Y R

Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode		Our first choice P K M N S		a	d	f	LH	tmax	Connectcode www.simtek.com/ccode	
mm	mm	mm	mm							mm	mm	mm	mm	mm		
▼ 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		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		2,95	2,55	1,95	13,0	0,2	R A04C.R	L A04C.L
4,0	15,2	3,2	0,15	-	**A04.2015.15.32.15 YR/L**	R ADP3	L ACQ5	X800 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		2,95	2,55	1,95	18,0	0,2	R A04C.R	L A04C.L
4,0	20,3	3,2	0,15	-	**A04.2015.20.32.15 YR/L**	R ADQT	L AMTZ	X800 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 AXBS	L AXBZ	X800 X400		2,95	2,55	1,95	23,0	0,2	R A04C.R	L A04C.L
▼ 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		3,95	3,45	1,95	13,0	0,3	R A04C.R	L A04C.L
4,0	15,2	4,2	0,15	+	**A04.2020.15.42.15 YR/L**	R AGMX	L AM49	X800 X400		3,95	3,45	1,95	18,0	0,3	R A04C.R	L A04C.L
4,0	20,3	4,2	0,15	+	**A04.2020.20.42.15 YR/L**	R ABF1	L AM26	X800 X400		3,95	3,45	1,95	23,0	0,3	R A04C.R	L A04C.L
4,0	25,4	4,2	0,15	+	**A04.2020.25.42.15 YR/L**	R AB94	L APN2	X800 X400		3,95	3,45	1,95	28,0	0,3	R A04C.R	L A04C.L
▼ ØDmin (min. bore) = 5,2 mm																
5,0	10,2	5,2	0,2	+	**A05.2025.10.52.20 YR/L**	R APTK	L AK53	X800 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		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		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		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		4,95	4,2	2,45	33,0	0,5	R A05.R	L A05.L
▼ 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		5,95	5,25	2,95	43,0	0,5	R A06.R	L A06.L
▼ 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		6,95	6,25	3,45	53,0	0,5	R A07.R	L A07.L

Continued Table **Related Items can be found on the previous page as well!**

Order example: **A05.2025.10.52.20 YR X800** (R = Right hand version, X800 = Grade)

Copying / Profiling

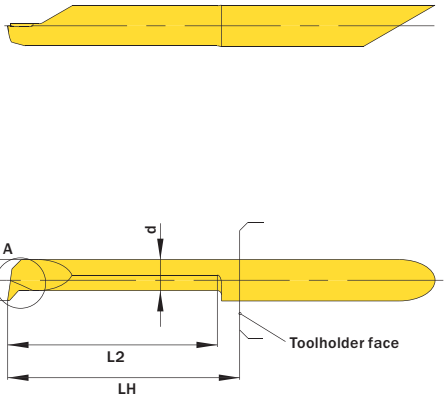
For use in bores as of minimum bore diameter 2,2 mm.

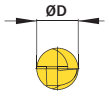
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

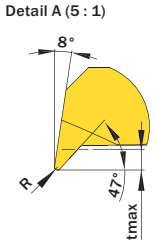
Suitable toolholders on page
13, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 29, 30, 31, 32, 33, 34, 35, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64

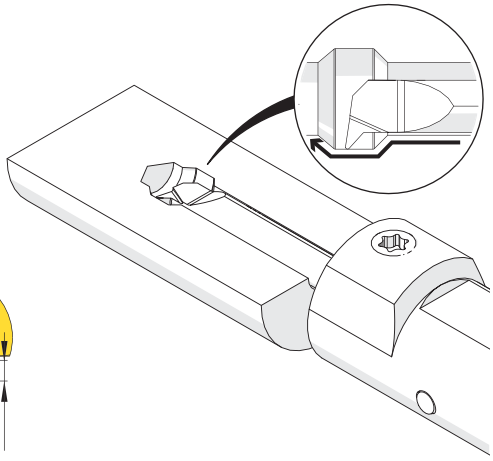
SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/753**









Drawing shows: A05.4725.25.52.15 Y R

Additional information about through coolant supply on page 9

ØD mm	f mm	L2 mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm	d mm	LH mm	tmax mm	Connectcode www.simtek.com/ccode
▼ ØDmin (min. bore) = 2,2 mm													
4,0	0,95	10,2	2,2	0,1	+	**A04.4710.10.22.10 YR/L**	R AEJJ L ACYG	X800 X400	1,95	1,35	13,0	0,4	R A04.R|A04C.R L A04.L|A04C.L
▼ ØDmin (min. bore) = 2,7 mm													
4,0	1,2	15,2	2,7	0,1	+	**A04.4712.15.27.10 YR/L**	R ANTX L AE5S	X800 X400	2,45	1,75	18,0	0,5	R A04.R|A04C.R L A04.L|A04C.L
▼ ØDmin (min. bore) = 3,2 mm													
4,0	1,45	15,2	3,2	0,1	+	**A04.4715.15.32.10 YR/L**	R ADSB L AHTB	X800 X400	2,95	2,15	18,0	0,6	R A04.R|A04C.R L A04.L|A04C.L
▼ ØDmin (min. bore) = 4,2 mm													
4,0	1,95	20,3	4,2	0,15	+	**A04.4720.20.42.15 YR/L**	R AMFJ L AAEU	X800 X400	3,95	2,95	23,0	0,8	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 5,2 mm													
5,0	2,45	15,2	5,2	0,15	+	**A05.4725.15.52.15 YR/L**	R AYD3 L AYD4	X800 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	4,95	3,75	28,0	1,0	R A05.R L A05.L
▼ ØDmin (min. bore) = 6,2 mm													
6,0	2,95	20,3	6,2	0,15	+	**A06.4730.20.62.15 YR/L**	R AACY L AKJK	X800 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	5,95	3,95	33,0	1,8	R A06.R L A06.L
▼ ØDmin (min. bore) = 7,2 mm													
7,0	3,45	40,6	7,2	0,2	+	**A07.4735.40.72.20 YR/L**	R AQ9E L AQ9F	X800 X400	6,95	4,15	43,0	2,5	R A07.R L A07.L

Order example: **A05.4725.15.52.15 YR X800** (R = Right hand version, X800 = Grade)

Boring

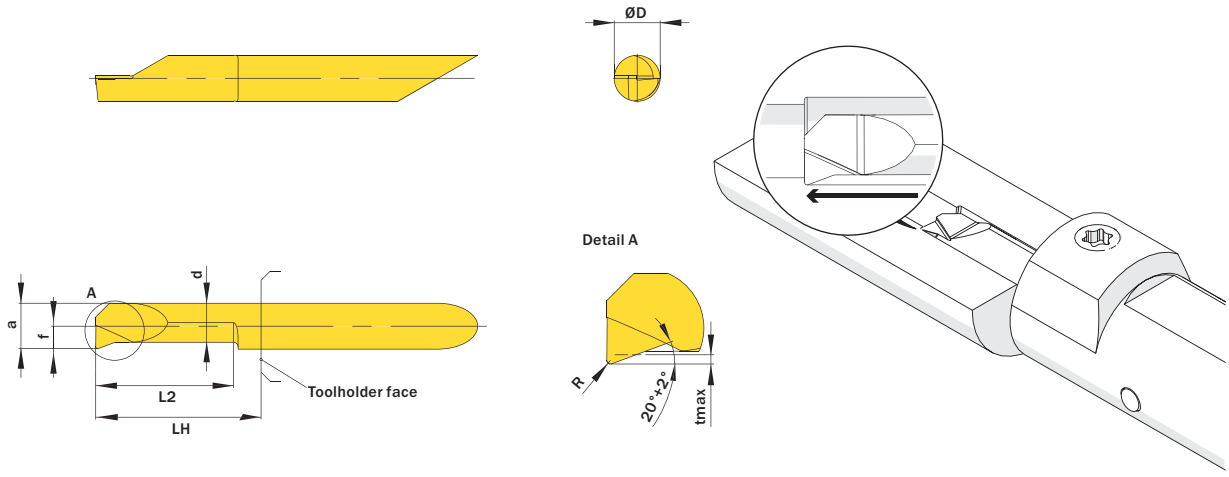
For use in bores as of minimum bore diameter 3,2 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 15, 19, 20, 21, 22, 23, 24, 29, 30, 32, 33, 42, 43, 45, 47, 48, 49, 50, 51, 54, 55, 56, 57, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/754**



Drawing shows: A05.9025.15.52.20 Y R

Additional information about through coolant supply on page 9

ØD	L2	ØDmin (min. bore)	R	Through coolant supply	Part number	Webcode www.simtek.com/webcode				Our first choice P K M N S		a	d	f	LH	tmax	Connectcode www.simtek.com/ccode	
mm	mm	mm	mm									mm	mm	mm	mm	mm		
▼ 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		2,95	2,55	1,45	15,0	0,2	R A04.R	L A04.L
▼ 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		3,95	3,45	1,95	18,0	0,3	R A04C.R	L A04C.L
▼ 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		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		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	AJ5E	X800 X400		4,95	4,2	2,45	23,0	0,5	R A05.R	L A05.L

Order example: **A04.9015.12.32.15 YR X800** (R = Right hand version, X800 = Grade)

Boring and Chamfering

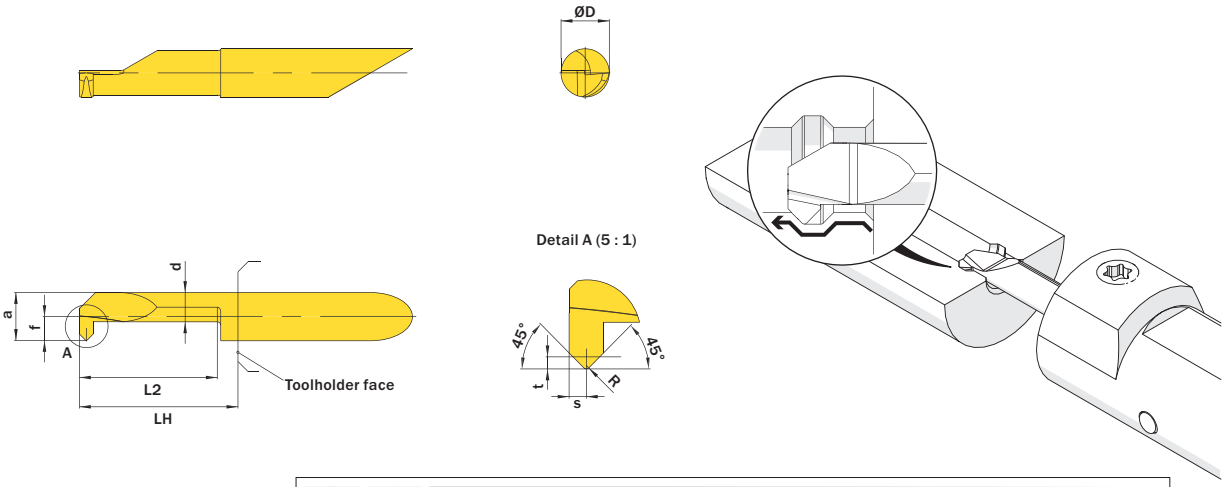
For use in bores as of minimum bore diameter 5,2 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
15, 16, 17, 19, 22, 24, 25, 26, 30, 31, 33, 34, 35, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 55, 56, 57, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/756**



Drawing shows: A07.4545.20.72 F R

Additional information about through coolant supply on page 9

ØD mm	L2 mm	ØDmin (min. bore) mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode		Our first choice P K M N S		a mm	d mm	f mm	LH mm	R mm	S mm	t mm	Connectcode www.simtek.com/ccode	
▼ ØDmin (min. bore) = 5,2 mm																	
5,0	15,4	5,2	+	**A05.4545.15.52 FR/L**	R ANEE	L AB3U	X800	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	4,95	3,75	2,45	23,0	0,2	1,0	0,7	R A05.R	L A05.L
▼ ØDmin (min. bore) = 6,2 mm																	
6,0	20,3	6,2	+	**A06.4545.20.62 FR/L**	R AG75	L ANKN	X800	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	5,95	3,95	2,95	28,0	0,2	1,0	0,7	R A06.R	L A06.L
▼ ØDmin (min. bore) = 7,2 mm																	
7,0	20,3	7,2	+	**A07.4545.20.72 FR/L**	R AJC3	L AC4S	X800	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	6,95	4,25	3,45	43,0	0,2	1,0	0,7	R A07.R	L A07.L

Order example: **A05.4545.15.52 FR X800** (R = Right hand version, X800 = Grade)

Chamfering

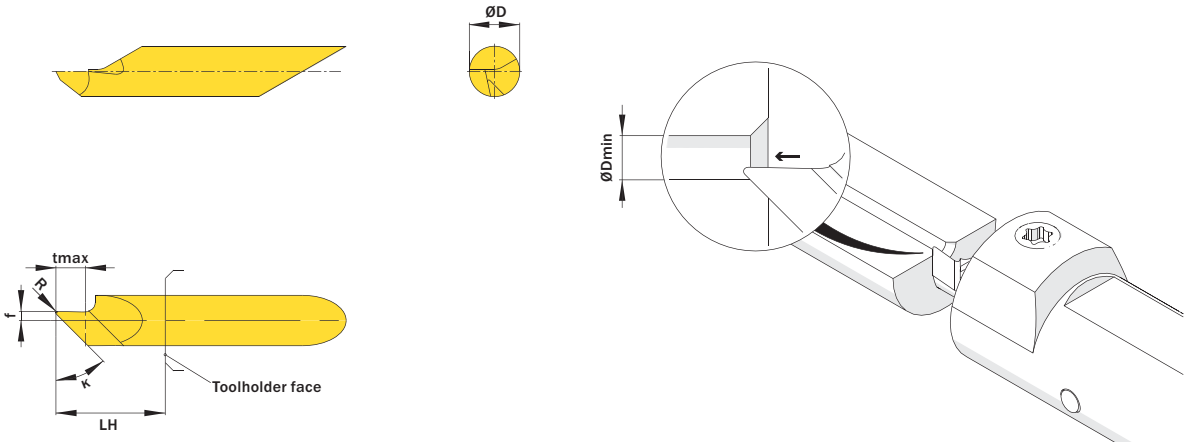
Post chamfering of deep-hole bores. For use in bores as of minimum bore diameter 1,0 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
16, 19, 25, 31, 34, 42, 43, 45, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

SP HM R Legend 126

Scan QR-Code Or Visit **www.simtek.info/cp/758**



Drawing shows: A06.0045.11.20 AF R

Additional information about through coolant supply on page 9

ØD mm	κ	f mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	ØDmin (min. bore) mm	LH mm	tmax mm	Connectcode www.simtek.com/ccode
▼ κ = 45°											
6,0	45°	1,1	0,2	+	**A06.0045.11.20 AF R/L**	R AJ6Q L ACUY	X800 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	1,0	13,0	4,0	R A06.R L A06.L

Order example: **A06.0045.11.20 AF R X800** (R = Right hand version, X800 = Grade)

Back Boring

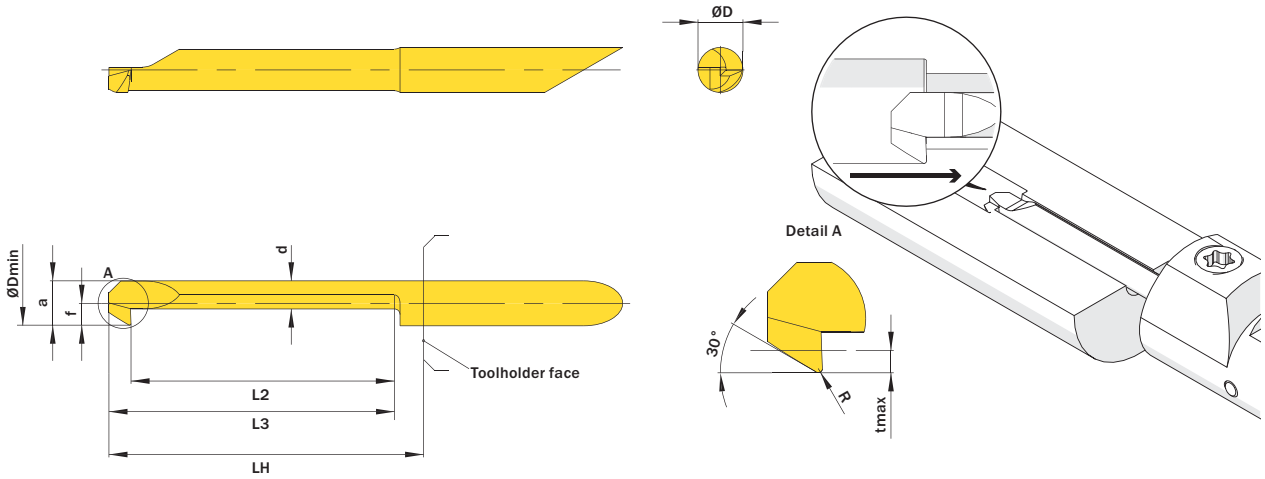
For use in bores as of minimum bore diameter 3,2 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 29, 30, 31, 32, 33, 34, 35, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/776**



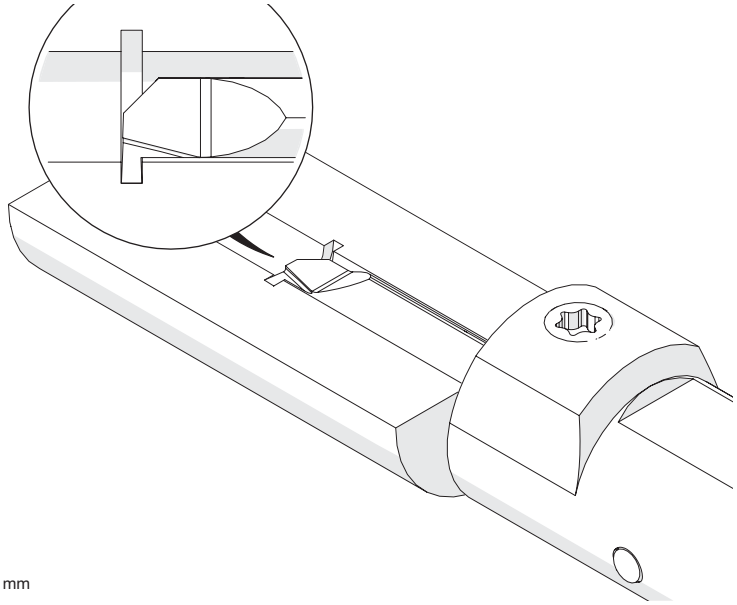
Drawing shows: A04.3020.25.42.15 Y R

Additional information about through coolant supply on page 9

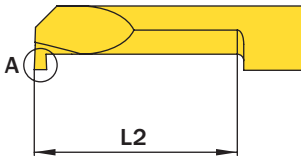
ØD mm	ØDmin (min. bore) mm	R mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm	d mm	f mm	LH mm	L2 mm	L3 (max. depth of bore) mm	tmax mm	Connectcode www.simtek.com/ccode
▼ ØDmin (min. bore) = 3,2 mm														
4,0	3,2	0,1	+	**A04.3015.15.32.10 YR/L**	R AASA L AH7W	X800 X400	2,95	2,3	1,45	18,0	13,2	15,2	0,5	R A04.R|A04C.R L A04.L|A04C.L
4,0	3,2	0,1	+	**A04.3015.20.32.10 YR/L**	R AJHJ L AM80	X800 X400	2,95	2,3	1,45	23,0	18,3	20,3	0,5	R A04.R|A04C.R L A04.L|A04C.L
▼ ØDmin (min. bore) = 4,2 mm														
4,0	4,2	0,15	+	**A04.3020.15.42.15 YR/L**	R AC41 L AJBG	X800 X400	3,95	2,95	1,95	18,0	13,2	15,2	0,8	R A04C.R L A04C.L
4,0	4,2	0,15	+	**A04.3020.25.42.15 YR/L**	R AABT L AEHK	X800 X400	3,95	2,95	1,95	28,0	23,4	25,4	0,8	R A04C.R L A04C.L
▼ ØDmin (min. bore) = 5,2 mm														
5,0	5,2	0,2	+	**A05.3025.20.52.20 YR/L**	R ACNQ L AJKY	X800 X400	4,95	3,7	2,45	23,0	18,3	20,3	1,0	R A05.R L A05.L
5,0	5,2	0,2	+	**A05.3025.30.52.20 YR/L**	R AMAF L AD06	X800 X400	4,95	3,7	2,45	33,0	28,5	30,5	1,0	R A05.R L A05.L
▼ ØDmin (min. bore) = 6,2 mm														
6,0	6,2	0,2	+	**A06.3030.20.62.20 YR/L**	R AH02 L AJGE	X800 X400	5,95	3,85	2,95	23,0	18,3	20,3	1,8	R A06.R L A06.L
6,0	6,2	0,2	+	**A06.3030.30.62.20 YR/L**	R ABGK L AEXA	X800 X400	5,95	3,85	2,95	33,0	28,5	30,5	1,8	R A06.R L A06.L
▼ ØDmin (min. bore) = 7,2 mm														
7,0	7,2	0,2	+	**A07.3035.20.72.20 YR/L**	R AM7G L ABY0	X800 X400	6,95	4,1	3,45	23,0	17,3	20,3	2,5	R A07.R L A07.L
7,0	7,2	0,2	+	**A07.3035.30.72.20 YR/L**	R APVP L AA5G	X800 X400	6,95	4,1	3,45	33,0	27,5	30,5	2,5	R A07.R L A07.L

Order example: **A07.3035.20.72.20 YR X800** (R = Right hand version, X800 = Grade)

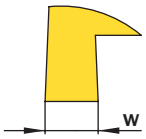
Grooving



All measures in mm



Detail A



Part number	ØDmin (min. bore)	w	L2	see Page
A04.0050.06.20 GR/L	2,0	0,5	6,0	95
A04.C050.06.20 GR/L	2,0	0,5	6,1	95
A04.0050.09.20 GR/L	2,0	0,5	9,1	95
A04.C050.09.20 GR/L	2,0	0,5	9,1	95
A04.0050.12.20 GR/L	2,0	0,5	12,2	95
A04.C050.12.20 GR/L	2,0	0,5	12,2	95
A04.0070.08.30 GR/L	3,0	0,7	8,1	95
A04.C070.08.30 GR/L	3,0	0,7	8,1	95
A04.0070.12.30 GR/L	3,0	0,7	12,2	95
A04.C070.12.30 GR/L	3,0	0,7	12,2	95
A04.0070.16.30 GR/L	3,0	0,7	16,3	95
A04.C070.16.30 GR/L	3,0	0,7	16,3	95
A04.0078.10.42 GR/L	4,2	0,79	10,2	95
A04.0078.15.42 GR/L	4,2	0,79	15,2	95
A04.0078.20.42 GR/L	4,2	0,79	20,3	95
A04.0078.25.42 GR/L	4,2	0,79	25,4	95
A04.0100.10.42 GR/L	4,2	1,0	10,2	95
A04.0100.15.42 GR/L	4,2	1,0	15,2	95
A04.0100.20.42 GR/L	4,2	1,0	20,3	95
A05.0078.10.52 GR/L	5,2	0,79	10,2	96
A05.0078.15.52 GR/L	5,2	0,79	15,2	96
A05.0078.20.52 GR/L	5,2	0,79	20,3	96
A05.0078.25.52 GR/L	5,2	0,79	25,4	96
A05.0078.30.52 GR/L	5,2	0,79	30,5	96
A05.0078.35.52 GR/L	5,2	0,79	35,6	96
A05.0100.10.52 GR/L	5,2	1,0	10,2	96
A05.0100.15.52 GR/L	5,2	1,0	15,2	96
A05.0100.20.52 GR/L	5,2	1,0	20,3	96
A05.0100.25.52 GR/L	5,2	1,0	25,4	96
A05.0100.30.52 GR/L	5,2	1,0	30,5	96
A05.0100.35.52 GR/L	5,2	1,0	35,6	96
A05.0117.10.52 GR/L	5,2	1,17	10,2	96
A05.0117.15.52 GR/L	5,2	1,17	15,2	96
A05.0117.20.52 GR/L	5,2	1,17	20,3	96
A05.0117.25.52 GR/L	5,2	1,17	25,4	96
A05.0117.30.52 GR/L	5,2	1,17	30,5	96
A05.0117.35.52 GR/L	5,2	1,17	35,6	96
A05.0150.10.52 GR/L	5,2	1,5	10,2	97
A05.0150.15.52 GR/L	5,2	1,5	15,2	97
A05.0150.20.52 GR/L	5,2	1,5	20,3	97
A05.0150.25.52 GR/L	5,2	1,5	25,4	97
A05.0150.30.52 GR/L	5,2	1,5	30,5	97
A05.0150.35.52 GR/L	5,2	1,5	35,6	97
A05.0157.10.52 GR/L	5,2	1,57	10,2	97
A05.0157.15.52 GR/L	5,2	1,57	15,2	97
A05.0157.20.52 GR/L	5,2	1,57	20,3	97
A05.0157.25.52 GR/L	5,2	1,57	25,4	97
A05.0157.30.52 GR/L	5,2	1,57	30,5	97
A05.0198.10.52 GR/L	5,2	1,98	10,2	97
A05.0198.15.52 GR/L	5,2	1,98	15,2	97
A05.0198.20.52 GR/L	5,2	1,98	20,3	97
A05.0198.25.52 GR/L	5,2	1,98	25,4	97

Part number	ØDmin (min. bore)	w	L2	see Page
A05.0198.30.52 GR/L	5,2	1,98	30,5	97
A05.0200.10.52 GR/L	5,2	2,0	10,2	98
A05.0200.15.52 GR/L	5,2	2,0	15,2	98
A05.0200.20.52 GR/L	5,2	2,0	20,3	98
A05.0200.25.52 GR/L	5,2	2,0	25,4	98
A05.0200.30.52 GR/L	5,2	2,0	30,5	98
A06.0078.10.62 GR/L	6,2	0,79	10,2	98
A06.0078.15.62 GR/L	6,2	0,79	15,2	98
A06.0078.20.62 GR/L	6,2	0,79	20,3	98
A06.0078.25.62 GR/L	6,2	0,79	25,4	98
A06.0078.30.62 GR/L	6,2	0,79	30,5	98
A06.0078.35.62 GR/L	6,2	0,79	35,6	98
A06.0100.10.62 GR/L	6,2	1,0	10,2	99
A06.0100.15.62 GR/L	6,2	1,0	15,2	99
A06.0100.20.62 GR/L	6,2	1,0	20,3	99
A06.0100.25.62 GR/L	6,2	1,0	25,4	99
A06.0100.30.62 GR/L	6,2	1,0	30,5	99
A06.0100.35.62 GR/L	6,2	1,0	35,6	99
A06.0100.40.62 GR/L	6,2	1,0	40,6	99
A06.0117.10.62 GR/L	6,2	1,17	10,2	99
A06.0117.15.62 GR/L	6,2	1,17	15,2	99
A06.0117.20.62 GR/L	6,2	1,17	20,3	99
A06.0117.25.62 GR/L	6,2	1,17	25,4	99
A06.0117.30.62 GR/L	6,2	1,17	30,5	99
A06.0117.35.62 GR/L	6,2	1,17	35,6	99
A06.0117.40.62 GR/L	6,2	1,17	40,6	99
A06.0150.10.62 GR/L	6,2	1,5	10,2	100
A06.0150.15.62 GR/L	6,2	1,5	15,2	100
A06.0150.20.62 GR/L	6,2	1,5	20,3	100
A06.0150.25.62 GR/L	6,2	1,5	25,4	100
A06.0150.30.62 GR/L	6,2	1,5	30,5	100
A06.0150.35.62 GR/L	6,2	1,5	35,6	100
A06.0157.10.62 GR/L	6,2	1,57	10,2	100
A06.0157.15.62 GR/L	6,2	1,57	15,2	100
A06.0157.20.62 GR/L	6,2	1,57	20,3	100
A06.0157.25.62 GR/L	6,2	1,57	25,4	100
A06.0157.30.62 GR/L	6,2	1,57	30,5	100
A06.0157.35.62 GR/L	6,2	1,57	35,6	100
A06.0157.40.62 GR/L	6,2	1,57	40,6	100
A06.0198.10.62 GR/L	6,2	1,98	10,2	101
A06.0198.15.62 GR/L	6,2	1,98	15,2	101
A06.0198.20.62 GR/L	6,2	1,98	20,3	101
A06.0198.25.62 GR/L	6,2	1,98	25,4	101
A06.0198.30.62 GR/L	6,2	1,98	30,5	101
A06.0198.35.62 GR/L	6,2	1,98	35,6	101
A06.0200.10.62 GR/L	6,2	2,0	10,2	101
A06.0200.15.62 GR/L	6,2	2,0	15,2	101
A06.0200.20.62 GR/L	6,2	2,0	20,3	101
A06.0200.25.62 GR/L	6,2	2,0	25,4	101
A06.0200.30.62 GR/L	6,2	2,0	30,5	101
A07.0078.10.72 GR/L	7,2	0,79	10,2	101
A07.0078.15.72 GR/L	7,2	0,79	15,2	101

Part number	ØDmin (min. bore)	w	L2	see Page
A07.0078.20.72 GR/L	7,2	0,79	20,3	101
A07.0078.25.72 GR/L	7,2	0,79	25,4	101
A07.0078.30.72 GR/L	7,2	0,79	30,5	101
A07.0078.35.72 GR/L	7,2	0,79	35,6	101
A07.0078.40.72 GR/L	7,2	0,79	40,6	101
A07.0100.10.72 GR/L	7,2	1,0	10,2	102
A07.0100.15.72 GR/L	7,2	1,0	15,2	102
A07.0100.20.72 GR/L	7,2	1,0	20,3	102
A07.0100.25.72 GR/L	7,2	1,0	25,4	102
A07.0100.30.72 GR/L	7,2	1,0	30,5	102
A07.0100.35.72 GR/L	7,2	1,0	35,6	102
A07.0100.40.72 GR/L	7,2	1,0	40,6	102
A07.0117.10.72 GR/L	7,2	1,17	10,2	102
A07.0117.15.72 GR/L	7,2	1,17	15,2	102
A07.0117.20.72 GR/L	7,2	1,17	20,3	102
A07.0117.25.72 GR/L	7,2	1,17	25,4	102
A07.0117.30.72 GR/L	7,2	1,17	30,5	102
A07.0117.35.72 GR/L	7,2	1,17	35,6	102
A07.0117.40.72 GR/L	7,2	1,17	40,6	102
A07.0150.10.72 GR/L	7,2	1,5	10,2	103
A07.0150.15.72 GR/L	7,2	1,5	15,2	103
A07.0150.20.72 GR/L	7,2	1,5	20,3	103
A07.0150.25.72 GR/L	7,2	1,5	25,4	103
A07.0150.30.72 GR/L	7,2	1,5	30,5	103
A07.0150.35.72 GR/L	7,2	1,5	35,6	103
A07.0150.40.72 GR/L	7,2	1,5	40,6	103
A07.0157.10.72 GR/L	7,2	1,57	10,2	103
A07.0157.15.72 GR/L	7,2	1,57	15,2	103
A07.0157.20.72 GR/L	7,2	1,57	20,3	103
A07.0157.25.72 GR/L	7,2	1,57	25,4	103
A07.0157.30.72 GR/L	7,2	1,57	30,5	103
A07.0157.35.72 GR/L	7,2	1,57	35,6	103
A07.0157.40.72 GR/L	7,2	1,57	40,6	103
A07.0198.10.72 GR/L	7,2	1,98	10,2	104
A07.0198.15.72 GR/L	7,2	1,98	15,2	104
A07.0198.20.72 GR/L	7,2	1,98	20,3	104
A07.0198.25.72 GR/L	7,2	1,98	25,4	104
A07.0198.30.72 GR/L	7,2	1,98	30,5	104
A07.0198.35.72 GR/L	7,2	1,98	35,6	104
A07.0200.10.72 GR/L	7,2	2,0	10,2	104
A07.0200.15.72 GR/L	7,2	2,0	15,2	104
A07.0200.20.72 GR/L	7,2	2,0	20,3	104
A07.0200.25.72 GR/L	7,2	2,0	25,4	104
A07.0200.30.72 GR/L	7,2	2,0	30,5	104
A07.0200.35.72 GR/L	7,2	2,0	35,6	104
A10.0100.30.10 GR/L	10,5	1,0	30,5	105
A10.0100.50.10 GR/L	10,5	1,0	50,8	105
A10.0200.30.10 GR/L	10,5	2,0	30,5	105
A10.0200.50.10 GR/L	10,5	2,0	50,8	105
A10.0300.30.10 GR/L	10,5	3,0	30,5	105
A10.0300.50.10 GR/L	10,5	3,0	50,8	105

Grooving

For use in bores as of minimum bore diameter 2,0 mm (0.079“).

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 19, 20, 21, 23, 29, 30, 32, 42, 43, 45, 47, 48, 49, 50, 51, 54, 56, 57, 59, 60, 61, 62, 64

Similar tools on page
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SP HM R Legend **126**

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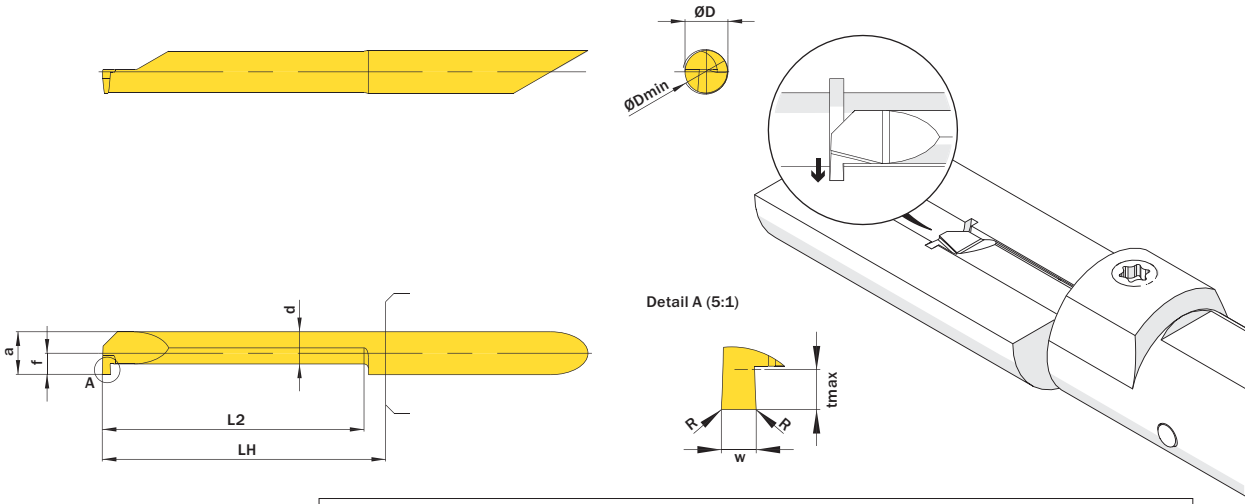
This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Additional information about through coolant supply on page 9

ØD	w +0,03mm / 0.001“	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	R	tmax	Connectcode www.simtek.com/ccode			
mm/inch	mm/inch	mm/inch	mm					mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch				
▼ ØDmin (min. bore) = 2,0 mm																	
4,0	0,5	6,0	2,0	●	**A04.0050.06.20 GR/L**	R AFUW L AM47	X800 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	1,75	1,15	1,95	13,0	-	0,4	R A04C.R	L A04C.L		
4,0	0,5	9,1	2,0	●	**A04.0050.09.20 GR/L**	R ACJY L AMSE	X800 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	1,75	1,15	1,95	13,0	-	0,4	R A04C.R	L A04C.L		
4,0	0,5	12,2	2,0	●	**A04.0050.12.20 GR/L**	R AKDC L AF5Z	X800 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	1,75	1,15	1,95	18,0	-	0,4	R A04C.R	L A04C.L		
▼ 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	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	2,75	1,95	1,95	13,0	-	0,6	R A04C.R	L A04C.L		
4,0	0,7	12,2	3,0	●	**A04.0070.12.30 GR/L**	R ACVH L ANXB	X800 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	2,75	1,95	1,95	18,0	-	0,6	R A04C.R	L A04C.L		
4,0	0,7	16,3	3,0	●	**A04.0070.16.30 GR/L**	R ADVD L AEHC	X800 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	2,75	1,95	1,95	23,0	-	0,6	R A04C.R	L A04C.L		
▼ ØDmin (min. bore) = 4,2 mm / 0.165“																	
0.157“	0.031“	0.402“	0.165“	+	**A04.0078.10.42 GR/L**	R AFQB L AHW7	X800 X400	0.156“	0.116“	0.077“	0.512“	-	0.031“	R A04C.R	L A04C.L	inch	
0.157“	0.031“	0.598“	0.165“	+	**A04.0078.15.42 GR/L**	R AJGY L AFP6	X800 X400	0.156“	0.116“	0.077“	0.709“	-	0.031“	R A04C.R	L A04C.L	inch	
0.157“	0.031“	0.799“	0.165“	+	**A04.0078.20.42 GR/L**	R AKJA L ADSG	X800 X400	0.156“	0.116“	0.077“	0.906“	-	0.031“	R A04C.R	L A04C.L	inch	
0.157“	0.031“	1.000“	0.165“	+	**A04.0078.25.42 GR/L**	R APCB L AMMY	X800 X400	0.156“	0.116“	0.077“	1.102“	-	0.031“	R A04C.R	L A04C.L	inch	
4,0	1,0	10,2	4,2	+	**A04.0100.10.42 GR/L**	R ANMY L AACT	X800 X400	3,95	2,95	1,95	13,0	-	0,8	R A04C.R	L A04C.L		
4,0	1,0	15,2	4,2	+	**A04.0100.15.42 GR/L**	R AAQT L AGWU	X800 X400	3,95	2,95	1,95	18,0	-	0,8	R A04C.R	L A04C.L		
4,0	1,0	20,3	4,2	+	**A04.0100.20.42 GR/L**	R ABMQ L AF0K	X800 X400	3,95	2,95	1,95	23,0	-	0,8	R A04C.R	L A04C.L		

Related Items can be found on the following page as well! Continued Table

Order example: **A04.0078.10.42 GR X800** (R = Right hand version, X800 = Grade)

simtek individual | A04. w, 1/100 mm, 3 Digits . L2, 1/1 mm, 2 Digits .42. R, 1/100 mm, 3 Digits Tolerance R/L

Example Part number: **A04.137.15.42.015 XN R** or **A04.137.15.42.015 XN L**

Grooving

For use in bores as of minimum bore diameter 5,2 mm (0.205“).

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

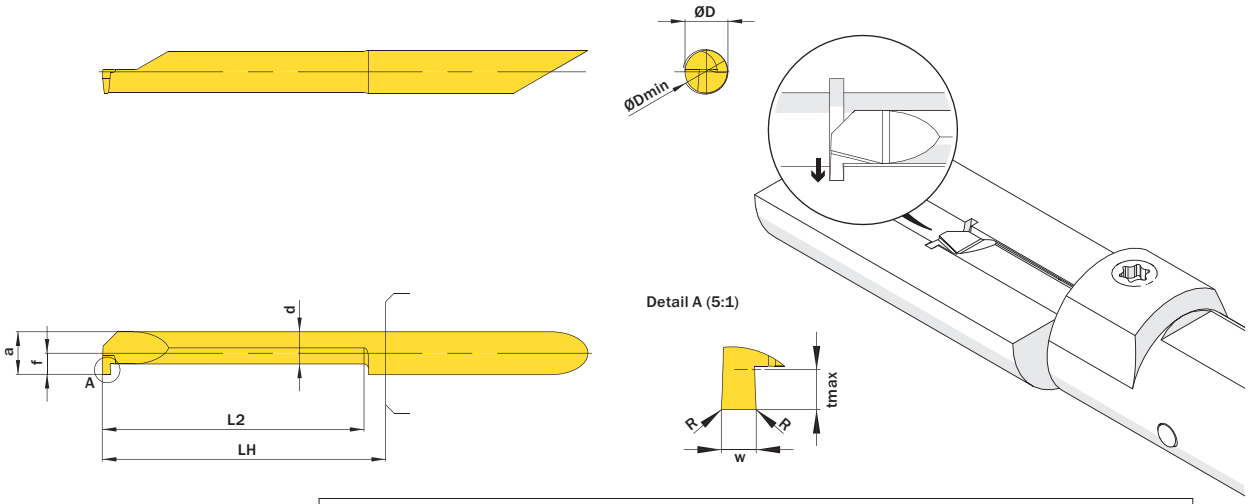
Suitable toolholders on page
15, 19, 22, 24, 30, 33, 42, 43, 45, 47, 48, 49, 50, 51, 55, 56, 57, 59, 60, 61, 62, 64

Similar tools on page
94

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/794**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Additional information about through coolant supply on page 9

Continued Table

Related Items can be found on the previous page as well!

ØD mm/inch	w +0.03mm / 0.001“ mm/inch	L2 mm/inch	ØDmin (min. bore) mm/inch	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm/inch	d mm/inch	f mm/inch	LH mm/inch	R mm/inch	tmax mm/inch	Connectcode www.simtek.com/ccode	
▼ w = 0,79 mm / 0.031“															
0.197“	0.031“	0.402“	0.205“	+	**A05.0078.10.52 GR/L**	R AD73 L ADME	X800 X400	0.195“	0.148“	0.096“	0.512“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.031“	0.598“	0.205“	+	**A05.0078.15.52 GR/L**	R AKYB L ANF8	X800 X400	0.195“	0.148“	0.096“	0.709“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.031“	0.799“	0.205“	+	**A05.0078.20.52 GR/L**	R ANXZ L AE12	X800 X400	0.195“	0.148“	0.096“	0.906“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.031“	1.000“	0.205“	+	**A05.0078.25.52 GR/L**	R AHZ2 L AG9U	X800 X400	0.195“	0.148“	0.096“	1.102“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.031“	1.201“	0.205“	+	**A05.0078.30.52 GR/L**	R ADYH L AFFQ	X800 X400	0.195“	0.148“	0.096“	1.299“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.031“	1.402“	0.205“	+	**A05.0078.35.52 GR/L**	R AGMP L ACT2	X800 X400	0.195“	0.148“	0.096“	1.496“	-	0.039“	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	4,95	3,75	2,45	13,0	-	1,0	R A05.R L A05.L	
5,0	1,0	15,2	5,2	+	**A05.0100.15.52 GR/L**	R ADK5 L AA5P	X800 X400	4,95	3,75	2,45	18,0	-	1,0	R A05.R L A05.L	
5,0	1,0	20,3	5,2	+	**A05.0100.20.52 GR/L**	R AAXA L AH69	X800 X400	4,95	3,75	2,45	23,0	-	1,0	R A05.R L A05.L	
5,0	1,0	25,4	5,2	+	**A05.0100.25.52 GR/L**	R AGA3 L ADBV	X800 X400	4,95	3,75	2,45	28,0	-	1,0	R A05.R L A05.L	
5,0	1,0	30,5	5,2	+	**A05.0100.30.52 GR/L**	R AKAP L AHB5	X800 X400	4,95	3,75	2,45	33,0	-	1,0	R A05.R L A05.L	
5,0	1,0	35,6	5,2	+	**A05.0100.35.52 GR/L**	R ABCY L AMGE	X800 X400	4,95	3,75	2,45	38,0	-	1,0	R A05.R L A05.L	
▼ w = 1,17 mm / 0.046“															
0.197“	0.046“	0.402“	0.205“	+	**A05.0117.10.52 GR/L**	R AGK0 L AFMN	X800 X400	0.195“	0.148“	0.096“	0.512“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.046“	0.598“	0.205“	+	**A05.0117.15.52 GR/L**	R AKC3 L APGJ	X800 X400	0.195“	0.148“	0.096“	0.709“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.046“	0.799“	0.205“	+	**A05.0117.20.52 GR/L**	R AF9G L AGZA	X800 X400	0.195“	0.148“	0.096“	0.906“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.046“	1.000“	0.205“	+	**A05.0117.25.52 GR/L**	R AKW7 L AAG8	X800 X400	0.195“	0.148“	0.096“	1.102“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.046“	1.201“	0.205“	+	**A05.0117.30.52 GR/L**	R AC54 L AHK1	X800 X400	0.195“	0.148“	0.096“	1.299“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.046“	1.402“	0.205“	+	**A05.0117.35.52 GR/L**	R AJH3 L AD6E	X800 X400	0.195“	0.148“	0.096“	1.496“	-	0.039“	R A05.R L A05.L	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A05.0100.15.52 GR X800** (R = Right hand version, X800 = Grade)

simtek individual | A05. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm , 2 Digits | .52. | R, 1/100 mm , 3 Digits | Tolerance | R/L

Example Part number: **A05.137.15.52.015 XN R** or **A05.137.15.52.015 XN L**

Grooving

For use in bores as of minimum bore diameter 5,2 mm (0.205“).

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
15, 19, 22, 24, 30, 33, 42, 43, 45, 47, 48, 49, 50, 51, 55, 56, 57, 59, 60, 61, 62, 64

Similar tools on page
94

SP HM R Legend **126**

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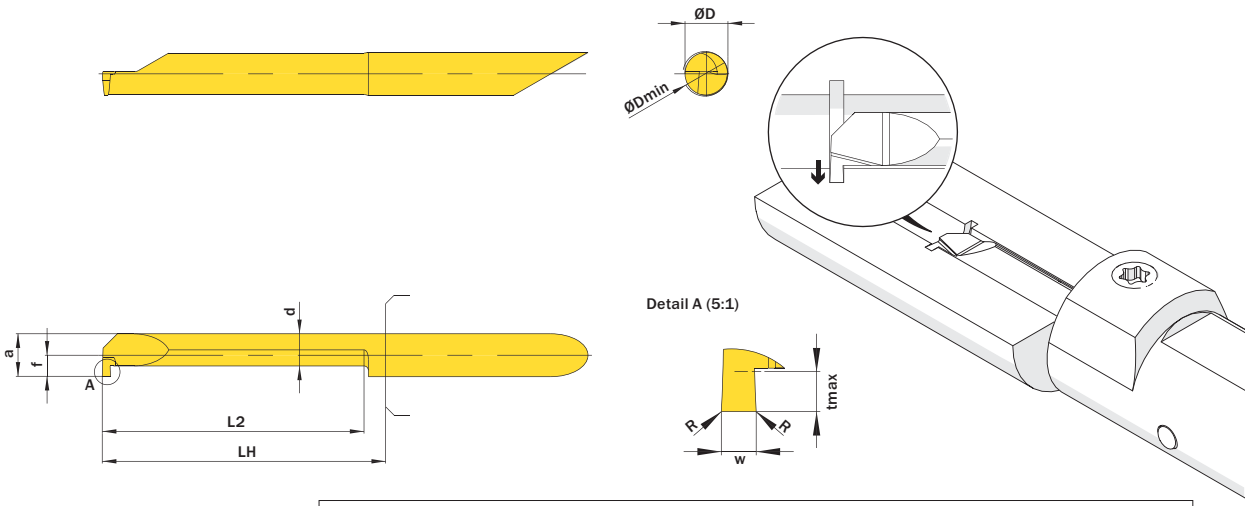
This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Additional information about through coolant supply on page 9

ØD	w +0,03mm / 0.001“	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode www.simtek.com/ccode	
mm/inch	mm/inch	mm/inch	mm/inch				P K M N S	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch		
▼ w = 1,5 mm															
5,0	1,5	10,2	5,2	+	**A05.0150.10.52 GR/L**	R AG38 L AF9C	X800 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	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	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	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	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	4,95	3,75	2,45	38,0	-	1,0	R A05.R L A05.L	
▼ w = 1,57 mm / 0.062“															
0.197“	0.062“	0.402“	0.205“	+	**A05.0157.10.52 GR/L**	R APCY L APG8	X800 X400	0.195“	0.148“	0.096“	0.512“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.062“	0.598“	0.205“	+	**A05.0157.15.52 GR/L**	R AMD4 L AHMW	X800 X400	0.195“	0.148“	0.096“	0.709“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.062“	0.799“	0.205“	+	**A05.0157.20.52 GR/L**	R AE6P L APUC	X800 X400	0.195“	0.148“	0.096“	0.906“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.062“	1.000“	0.205“	+	**A05.0157.25.52 GR/L**	R AFY0 L AHMY	X800 X400	0.195“	0.148“	0.096“	1.102“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.062“	1.201“	0.205“	+	**A05.0157.30.52 GR/L**	R AJ06 L AFPD	X800 X400	0.195“	0.148“	0.096“	1.299“	-	0.039“	R A05.R L A05.L	inch
▼ w = 1,98 mm / 0.078“															
0.197“	0.078“	0.402“	0.205“	+	**A05.0198.10.52 GR/L**	R AJ4G L AGND	X800 X400	0.195“	0.148“	0.096“	0.512“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.078“	0.598“	0.205“	+	**A05.0198.15.52 GR/L**	R ABHH L ANBC	X800 X400	0.195“	0.148“	0.096“	0.709“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.078“	0.799“	0.205“	+	**A05.0198.20.52 GR/L**	R ACFG L AEM3	X800 X400	0.195“	0.148“	0.096“	0.906“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.078“	1.000“	0.205“	+	**A05.0198.25.52 GR/L**	R ABS3 L AJZV	X800 X400	0.195“	0.148“	0.096“	1.102“	-	0.039“	R A05.R L A05.L	inch
0.197“	0.078“	1.201“	0.205“	+	**A05.0198.30.52 GR/L**	R AJNV L ABNQ	X800 X400	0.195“	0.148“	0.096“	1.299“	-	0.039“	R A05.R L A05.L	inch

◀ Continued Table **Related Items can be found on the previous page as well!**

Related Items can be found on the following page as well! Continued Table ▶

Order example: **A05.0157.20.52 GR X800** (R = Right hand version, X800 = Grade)

simtek individual | A05. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm , 2 Digits | .52. | R, 1/100 mm , 3 Digits | Tolerance | R/L

Example Part number: **A05.137.15.52.015 XN R** or **A05.137.15.52.015 XN L**

Grooving

For use in bores as of minimum bore diameter 5,2 mm (0.205“).

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

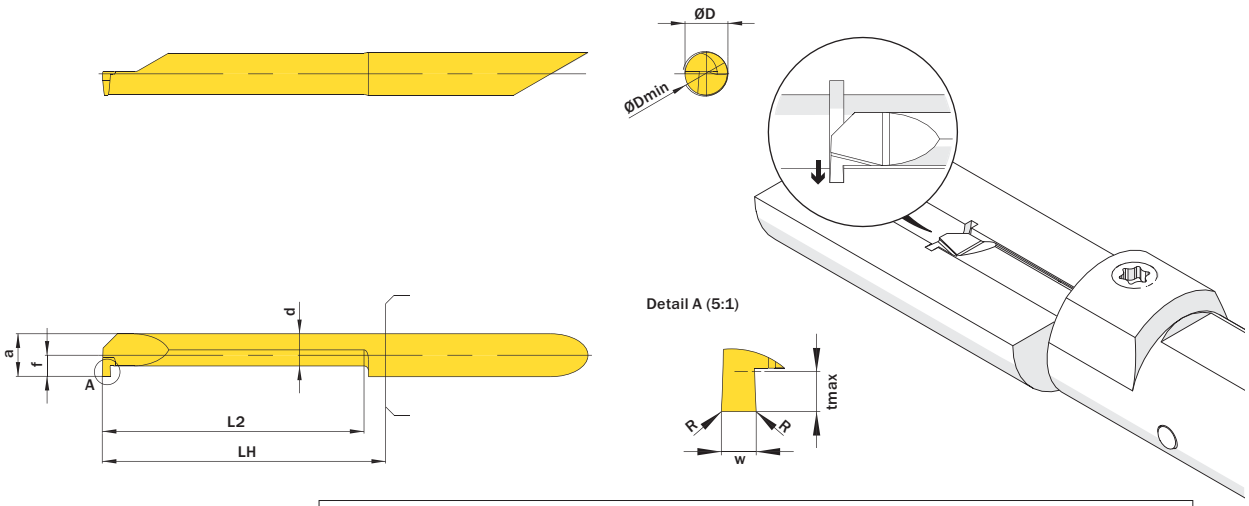
Suitable toolholders on page
15, 16, 19, 22, 24, 25, 30, 31, 33, 34, 42, 43, 45, 47, 48, 49, 50, 51, 52, 55, 56, 57, 58, 59, 60, 61, 62, 64

Similar tools on page
94

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/796**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Additional information about through coolant supply on page 9

ØD	w +0,03mm / 0.001“	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode www.simtek.com/ccode	
mm/inch	mm/inch	mm/inch	mm/inch				P K M N S	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch		
▼ ØD = 5,0 mm															
5,0	2,0	10,2	5,2	+	**A05.0200.10.52 GR/L**	R AEKP L ABTY X800 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 L AA3V X800 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 L AJX6 X800 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 L AMNF X800 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 L AHFX X800 X400		4,95	3,75	2,45	33,0	-	1,0	R A05.R L A05.L	
ØD = 6,0 mm / 0.236“															
0.236“	0.031“	0.402“	0.244“	+	**A06.0078.10.62 GR/L**	R AC9Z L AMAW X800 X400		0.234“	0.156“	0.116“	0.512“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.031“	0.598“	0.244“	+	**A06.0078.15.62 GR/L**	R AN1C L AGWT X800 X400		0.234“	0.156“	0.116“	0.709“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.031“	0.799“	0.244“	+	**A06.0078.20.62 GR/L**	R AFQZ L AFX4 X800 X400		0.234“	0.156“	0.116“	0.906“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.031“	1.000“	0.244“	+	**A06.0078.25.62 GR/L**	R AGD0 L AJZ5 X800 X400		0.234“	0.156“	0.116“	1.102“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.031“	1.201“	0.244“	+	**A06.0078.30.62 GR/L**	R ACZD L AMXV X800 X400		0.234“	0.156“	0.116“	1.299“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.031“	1.402“	0.244“	+	**A06.0078.35.62 GR/L**	R ADAE L AKZG X800 X400		0.234“	0.156“	0.116“	1.496“	-	0.071“	R A06.R L A06.L	inch

Continued Table

Related Items can be found on the previous page as well!

Related Items can be found on the following page as well! Continued Table

Order example: **A06.0078.10.62 GR X800** (R = Right hand version, X800 = Grade)

simtek individual

A05. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm, 2 Digits | .52. | R, 1/100 mm, 3 Digits | Tolerance | R/L

Example Part number: **A05.137.15.52.015 XN R** or **A05.137.15.52.015 XN L**

simtek individual

A05. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm, 2 Digits | .52. | R, 1/100 mm, 3 Digits | Tolerance | R/L

Beispielartikelnummer // Example Part number: **A05.137.15.52.015 XN R** oder//or **A05.137.15.52.015 XN L**

A06. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm, 2 Digits | .62. | R, 1/100 mm, 3 Digits | Tolerance | R/L

Example Part number: **A06.137.15.62.015 XN R** or **A06.137.15.62.015 XN L**

Grooving

For use in bores as of minimum bore diameter 6,2 mm (0.244“).

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

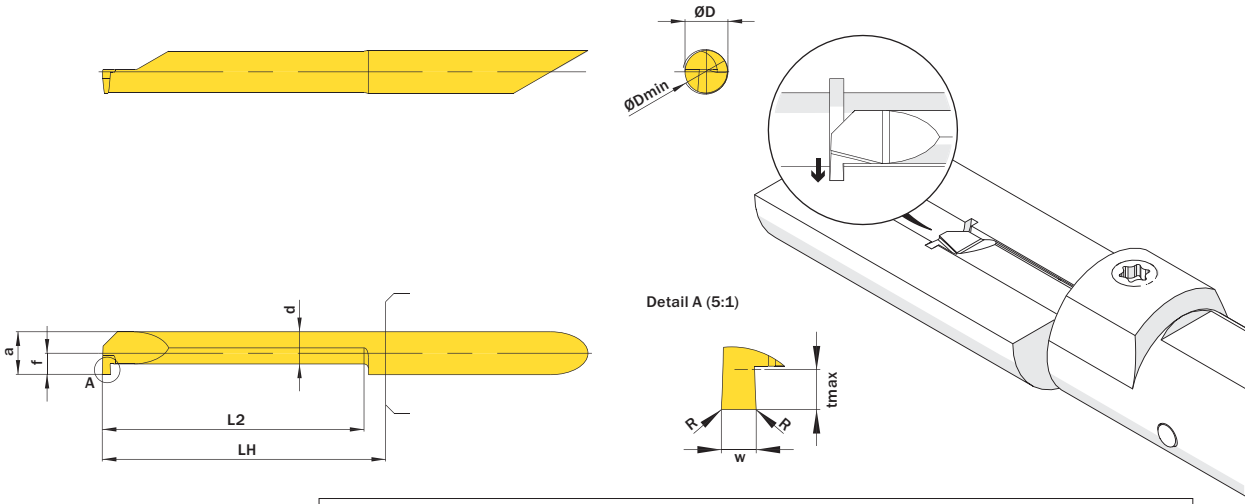
Suitable toolholders on page
16, 19, 25, 31, 34, 42, 43, 45, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

Similar tools on page
94

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/797**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Additional information about through coolant supply on page 9

ØD	w +0.03mm / 0.001“	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode www.simtek.com/ccode
mm/inch	mm/inch	mm/inch	mm/inch				P K M N S	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	

Continued Table **Related Items can be found on the previous page as well!**

▼ w = 1,0 mm

ØD	w	L2	ØDmin		Part number	Webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode	
6,0	1,0	10,2	6,2	+	**A06.0100.10.62 GR/L**	R APGK L ADY2	X800 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	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	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	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	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	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	5,95	3,95	2,95	43,0	-	1,8	R A06.R L A06.L	

▼ w = 1,17 mm / 0.046“

ØD	w	L2	ØDmin		Part number	Webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode	
0.236“	0.046“	0.402“	0.244“	+	**A06.0117.10.62 GR/L**	R AG4P L AFAB	X800 X400	0.234“	0.156“	0.116“	0.512“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.046“	0.598“	0.244“	+	**A06.0117.15.62 GR/L**	R ADAP L AA2N	X800 X400	0.234“	0.156“	0.116“	0.709“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.046“	0.799“	0.244“	+	**A06.0117.20.62 GR/L**	R ADH8 L ACUT	X800 X400	0.234“	0.156“	0.116“	0.906“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.046“	1.000“	0.244“	+	**A06.0117.25.62 GR/L**	R AC61 L APFG	X800 X400	0.234“	0.156“	0.116“	1.102“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.046“	1.201“	0.244“	+	**A06.0117.30.62 GR/L**	R AFN5 L AHPK	X800 X400	0.234“	0.156“	0.116“	1.299“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.046“	1.402“	0.244“	+	**A06.0117.35.62 GR/L**	R APS7 L ANN2	X800 X400	0.234“	0.156“	0.116“	1.496“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.046“	1.598“	0.244“	+	**A06.0117.40.62 GR/L**	R AA06 L APY3	X800 X400	0.234“	0.156“	0.116“	1.693“	-	0.071“	R A06.R L A06.L	inch

Related Items can be found on the following page as well! Continued Table

Order example: **A06.0100.10.62 GR X800** (R = Right hand version, X800 = Grade)

simtek individual | A06. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm , 2 Digits | .62. | R, 1/100 mm , 3 Digits | Tolerance | R/L

Example Part number: **A06.137.15.62.015 XN R** or **A06.137.15.62.015 XN L**

Grooving

For use in bores as of minimum bore diameter 6,2 mm (0.244“).

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

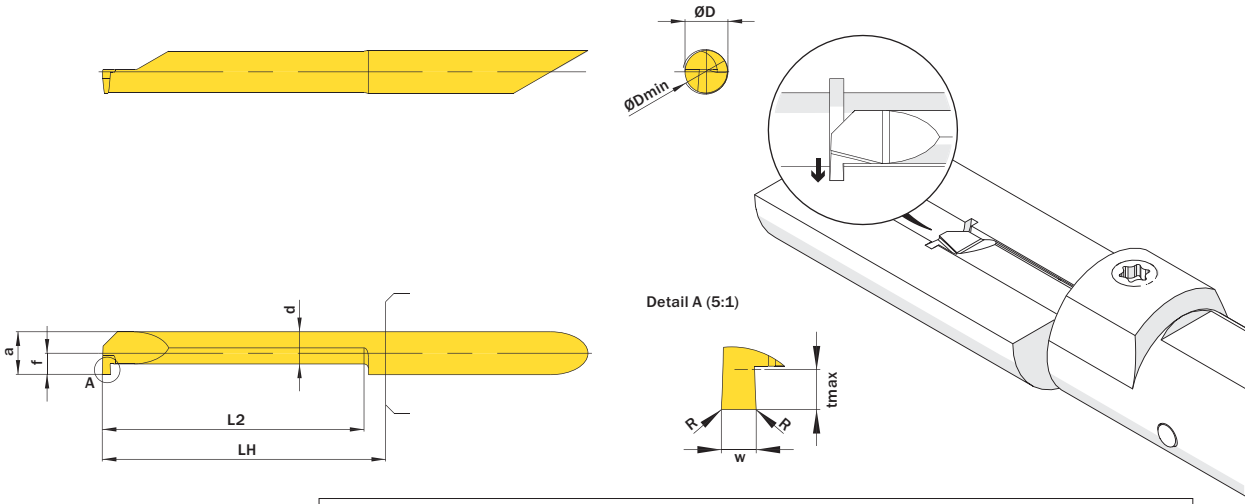
Suitable toolholders on page
16, 19, 25, 31, 34, 42, 43, 45, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

Similar tools on page
94

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/798**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Additional information about through coolant supply on page 9

ØD	w +0.03mm / 0.001“	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode www.simtek.com/ccode	
mm/inch	mm/inch	mm/inch	mm/inch				P K M N S	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch		
▼ w = 1,5 mm															
6,0	1,5	10,2	6,2	+	**A06.0150.10.62 GR/L**	R ACH4 L ADTA X800 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 L AKTA X800 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 L AF35 X800 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 L AJ0P X800 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 L AGB0 X800 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 L APT7 X800 X400		5,95	3,95	2,95	38,0	-	1,8	R A06.R L A06.L	
▼ w = 0.062“															
0.236“	0.062“	0.402“	0.244“	+	**A06.0157.10.62 GR/L**	R AES5 L AK6U X800 X400		0.234“	0.156“	0.116“	0.512“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.062“	0.598“	0.244“	+	**A06.0157.15.62 GR/L**	R AJAB L AJYH X800 X400		0.234“	0.156“	0.116“	0.709“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.062“	0.799“	0.244“	+	**A06.0157.20.62 GR/L**	R ADAB L AJBY X800 X400		0.234“	0.156“	0.116“	0.906“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.062“	1.000“	0.244“	+	**A06.0157.25.62 GR/L**	R AJFE L AAAE X800 X400		0.234“	0.156“	0.116“	1.102“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.062“	1.201“	0.244“	+	**A06.0157.30.62 GR/L**	R AK3J L AK1G X800 X400		0.234“	0.156“	0.116“	1.299“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.062“	1.402“	0.244“	+	**A06.0157.35.62 GR/L**	R AMBZ L AHSN X800 X400		0.234“	0.156“	0.116“	1.496“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.062“	1.598“	0.244“	+	**A06.0157.40.62 GR/L**	R AG12 L AH5K X800 X400		0.234“	0.156“	0.116“	1.693“	-	0.071“	R A06.R L A06.L	inch

Continued Table

Related Items can be found on the previous page as well!

Related Items can be found on the following page as well! Continued Table

Order example: **A06.0150.15.62 GR X800** (R = Right hand version, X800 = Grade)

simtek individual | A06. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm , 2 Digits | .62. | R, 1/100 mm , 3 Digits | Tolerance | R/L

Example Part number: **A06.137.15.62.015 XN R** or **A06.137.15.62.015 XN L**

Grooving

For use in bores as of minimum bore diameter 6,2 mm (0.244“).

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

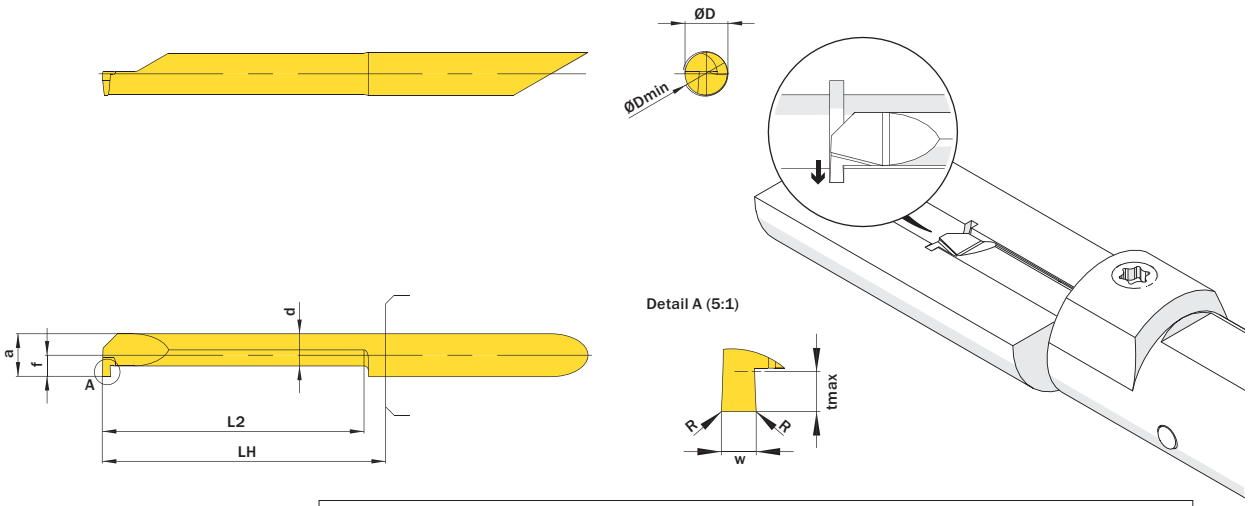
Suitable toolholders on page
16, 17, 19, 25, 26, 31, 34, 35, 42, 43, 44, 45, 46, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

Similar tools on page
94

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/799**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Additional information about through coolant supply on page 9

ØD inch	w +0,03mm / 0.001“ inch	L2 inch	ØDmin (min. bore) inch	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a inch	d inch	f inch	LH inch	R inch	tmax inch	Connectcode www.simtek.com/ccode	
▼ ØD = 6,0 mm / 0.236“															
0.236“	0.078“	0.402“	0.244“	+	**A06.0198.10.62 GR/L**	R AH4X L AJBE	X800 X400	0.234“	0.156“	0.116“	0.512“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.078“	0.598“	0.244“	+	**A06.0198.15.62 GR/L**	R AE9F L ANK9	X800 X400	0.234“	0.156“	0.116“	0.709“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.078“	0.799“	0.244“	+	**A06.0198.20.62 GR/L**	R AXVN L AFQQ	X800 X400	0.234“	0.156“	0.116“	0.906“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.078“	1.000“	0.244“	+	**A06.0198.25.62 GR/L**	R AJAX L AMQM	X800 X400	0.234“	0.156“	0.116“	1.102“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.078“	1.201“	0.244“	+	**A06.0198.30.62 GR/L**	R AJCJ L APFQ	X800 X400	0.234“	0.156“	0.116“	1.299“	-	0.071“	R A06.R L A06.L	inch
0.236“	0.078“	1.402“	0.244“	+	**A06.0198.35.62 GR/L**	R A08P L A08Q	X800 X400	0.234“	0.156“	0.116“	1.496“	-	0.071“	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	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	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	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	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	5,95	3,95	2,95	33,0	-	1,8	R A06.R L A06.L	
▼ ØD = 0.276“															
0.276“	0.031“	0.402“	0.283“	+	**A07.0078.10.72 GR/L**	R ANFU L ACZM	X800 X400	0.274“	0.167“	0.136“	0.512“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.031“	0.598“	0.283“	+	**A07.0078.15.72 GR/L**	R AJB8 L AF8M	X800 X400	0.274“	0.167“	0.136“	0.709“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.031“	0.799“	0.283“	+	**A07.0078.20.72 GR/L**	R AG21 L ACUK	X800 X400	0.274“	0.167“	0.136“	0.906“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.031“	1.000“	0.283“	+	**A07.0078.25.72 GR/L**	R AJM7 L AM36	X800 X400	0.274“	0.167“	0.136“	1.102“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.031“	1.201“	0.283“	+	**A07.0078.30.72 GR/L**	R ABTA L APCD	X800 X400	0.274“	0.167“	0.136“	1.299“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.031“	1.402“	0.283“	+	**A07.0078.35.72 GR/L**	R ABGT L APCH	X800 X400	0.274“	0.167“	0.136“	1.496“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.031“	1.598“	0.283“	+	**A07.0078.40.72 GR/L**	R ANWX L AJ42	X800 X400	0.274“	0.167“	0.136“	1.693“	-	0.098“	R A07.R L A07.L	inch

Continued Table

Related Items can be found on the previous page as well!

Related Items can be found on the following page as well! Continued Table

Order example: **A06.0200.10.62 GR X800** (R = Right hand version, X800 = Grade)

simtek individual | A06. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm , 2 Digits | .62. | R, 1/100 mm , 3 Digits | Tolerance | R/L

Example Part number: **A06.137.15.62.015 XN R** or **A06.137.15.62.015 XN L**

Grooving

For use in bores as of minimum bore diameter 7,2 mm (0.283“).

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

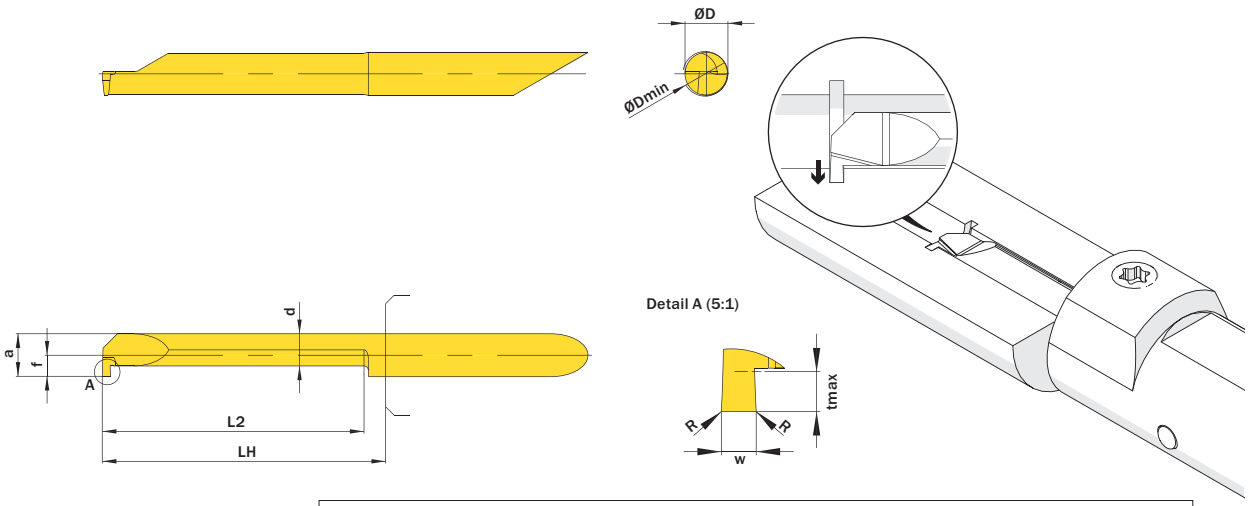
Suitable toolholders on page
17, 19, 26, 31, 35, 44, 46, 48, 49, 50, 52, 55, 58, 59, 60, 61, 62, 64

Similar tools on page
94

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/800**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Additional information about through coolant supply on page 9

ØD	w +0,03mm / 0.001“	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode www.simtek.com/ccode	
mm/inch	mm/inch	mm/inch	mm/inch				P K M N S	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch		

Continued Table **Related Items can be found on the previous page as well!**

▼ w = 1,0 mm

7,0	1,0	10,2	7,2	+	**A07.0100.10.72 GR/L**	R AJW1	L AJHP	X800 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	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	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	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	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 AFWS	X800 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	6,95	4,25	3,45	43,0	-	2,5	R A07.R	L A07.L			

▼ w = 1,17 mm / 0.402“

0.276“	0.046“	0.402“	0.283“	+	**A07.0117.10.72 GR/L**	R AA4H	L AJAH	X800 X400	0.274“	0.167“	0.136“	0.512“	-	0.098“	R A07.R	L A07.L	inch		
0.276“	0.046“	0.518“	0.283“	+	**A07.0117.15.72 GR/L**	R ADV1	L AHJH	X800 X400	0.274“	0.167“	0.136“	0.709“	-	0.098“	R A07.R	L A07.L	inch		
0.276“	0.046“	0.799“	0.283“	+	**A07.0117.20.72 GR/L**	R AHVD	L AE3M	X800 X400	0.274“	0.167“	0.136“	0.906“	-	0.098“	R A07.R	L A07.L	inch		
0.276“	0.046“	1.000“	0.283“	+	**A07.0117.25.72 GR/L**	R ANSE	L ANPE	X800 X400	0.274“	0.167“	0.136“	1.102“	-	0.098“	R A07.R	L A07.L	inch		
0.276“	0.046“	1.201“	0.283“	+	**A07.0117.30.72 GR/L**	R AKKW	L AB8D	X800 X400	0.274“	0.167“	0.136“	1.299“	-	0.098“	R A07.R	L A07.L	inch		
0.276“	0.046“	1.402“	0.283“	+	**A07.0117.35.72 GR/L**	R APF9	L AMQA	X800 X400	0.274“	0.167“	0.136“	1.496“	-	0.098“	R A07.R	L A07.L	inch		
0.276“	0.046“	1.598“	0.283“	+	**A07.0117.40.72 GR/L**	R AFTZ	L AEM7	X800 X400	0.274“	0.167“	0.136“	1.693“	-	0.098“	R A07.R	L A07.L	inch		

Related Items can be found on the following page as well! Continued Table

Order example: **A07.0100.10.72 GR X800** (R = Right hand version, X800 = Grade)

simtek individual | A07. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm , 2 Digits | .72. | R, 1/100 mm , 3 Digits | Tolerance | R/L

Example Part number: **A07.137.15.72.015 XN R** or **A07.137.15.72.015 XN L**

Grooving

For use in bores as of minimum bore diameter 7,2 mm (0.283“).

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

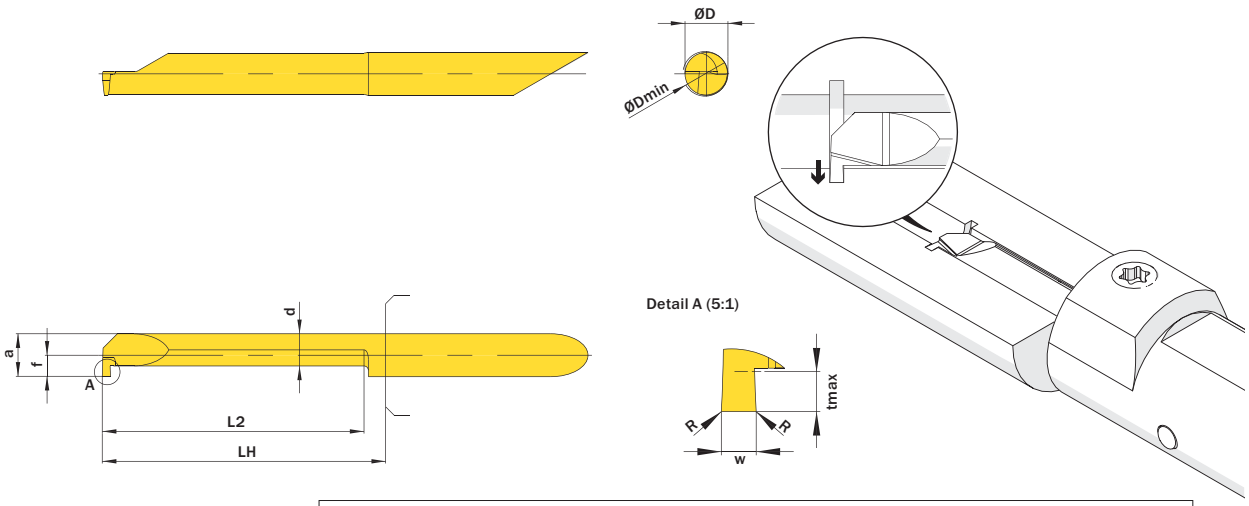
Suitable toolholders on page
17, 19, 26, 31, 35, 44, 46, 48, 49, 50, 52, 55, 58, 59, 60, 61, 62, 64

Similar tools on page
94

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/801**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Additional information about through coolant supply on page 9

ØD	w +0,03mm / 0.001“	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode www.simtek.com/ccode
mm/inch	mm/inch	mm/inch	mm/inch				P K M N S	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	

Continued Table **Related Items can be found on the previous page as well!**

▼ w = 1,5 mm

ØD	w	L2	ØDmin		Part number	Webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode	
7,0	1,5	10,2	7,2	+	**A07.0150.10.72 GR/L**	R AAN7 L AH5P	X800 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 L APC2	X800 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 L ADJB	X800 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 L ANDE	X800 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 L ACEZ	X800 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 L AG9E	X800 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 L AKM9	X800 X400	6,95	4,25	3,45	43,0	-	2,5	R A07.R L A07.L	

▼ w = 1,57 mm / 0.062“

ØD	w	L2	ØDmin		Part number	Webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode		
0.276“	0.062“	0.402“	0.283“	+	**A07.0157.10.72 GR/L**	R AP08 L ACYH	X800 X400	0.274“	0.167“	0.136“	0.512“	-	0.098“	R A07.R L A07.L		inch
0.276“	0.062“	0.518“	0.283“	+	**A07.0157.15.72 GR/L**	R AAND L AA4C	X800 X400	0.274“	0.167“	0.136“	0.709“	-	0.098“	R A07.R L A07.L		inch
0.276“	0.062“	0.799“	0.283“	+	**A07.0157.20.72 GR/L**	R AN5Y L AD2K	X800 X400	0.274“	0.167“	0.136“	0.906“	-	0.098“	R A07.R L A07.L		inch
0.276“	0.062“	1.000“	0.283“	+	**A07.0157.25.72 GR/L**	R AKKT L AN6P	X800 X400	0.274“	0.167“	0.136“	1.102“	-	0.098“	R A07.R L A07.L		inch
0.276“	0.062“	1.201“	0.283“	+	**A07.0157.30.72 GR/L**	R ABPX L AHW3	X800 X400	0.274“	0.167“	0.136“	1.299“	-	0.098“	R A07.R L A07.L		inch
0.276“	0.062“	1.402“	0.283“	+	**A07.0157.35.72 GR/L**	R AMP7 L AMB3	X800 X400	0.274“	0.167“	0.136“	1.496“	-	0.098“	R A07.R L A07.L		inch
0.276“	0.062“	1.598“	0.283“	+	**A07.0157.40.72 GR/L**	R AFZG L AKJZ	X800 X400	0.274“	0.167“	0.136“	1.693“	-	0.098“	R A07.R L A07.L		inch

Related Items can be found on the following page as well! Continued Table

Order example: **A07.0150.15.72 GR X800** (R = Right hand version, X800 = Grade)

simtek individual | A07. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm , 2 Digits | .72. | R, 1/100 mm , 3 Digits | Tolerance | R/L

Example Part number: **A07.137.15.72.015 XN R** or **A07.137.15.72.015 XN L**

Grooving

For use in bores as of minimum bore diameter 7,2 mm (0.283“).

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

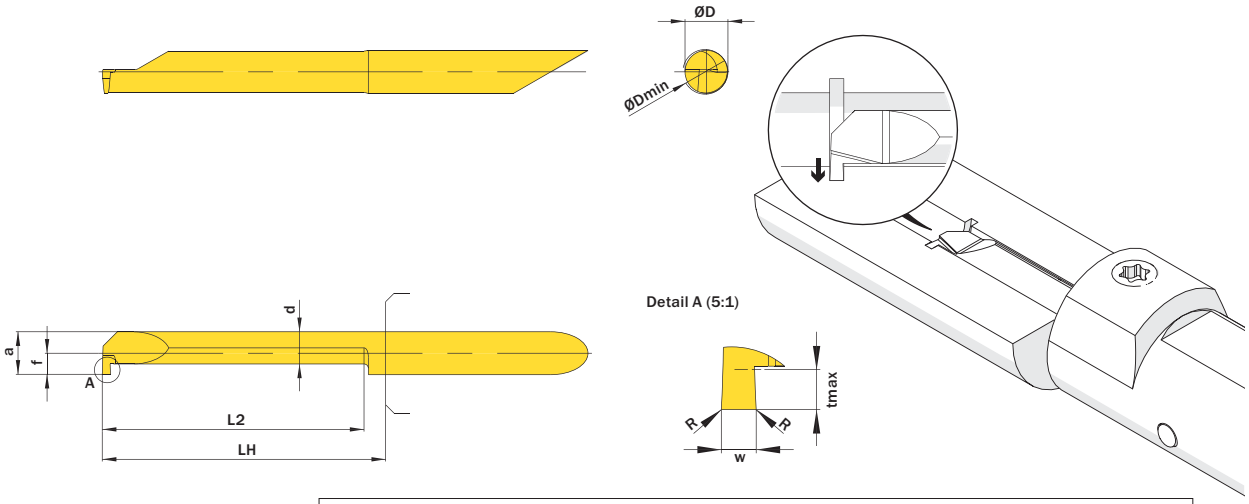
Suitable toolholders on page
17, 19, 26, 31, 35, 44, 46, 48, 49, 50, 52, 55, 58, 59, 60, 61, 62, 64

Similar tools on page
94

SP HM R Legend 126

Scan QR-Code Or Visit **www.simtek.info/cp/802**

This page contains inch tools! These tools are indicated by inch on the right hand side.



Additional information about through coolant supply on page 9

ØD	w +0.03mm / 0.001“	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice	a	d	f	LH	R	tmax	Connectcode www.simtek.com/ccode	
mm/inch	mm/inch	mm/inch	mm/inch				P K M N S	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch		
▼ w = 1,98 mm / 0.078“															
0.276“	0.078“	0.402“	0.283“	+	**A07.0198.10.72 GR/L**	R AHMK L APXC	X800 X400	0.274“	0.167“	0.136“	0.512“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.078“	0.518“	0.283“	+	**A07.0198.15.72 GR/L**	R AENX L AM33	X800 X400	0.274“	0.167“	0.136“	0.709“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.078“	0.799“	0.283“	+	**A07.0198.20.72 GR/L**	R AEZW L AH9Z	X800 X400	0.274“	0.167“	0.136“	0.906“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.078“	1.000“	0.283“	+	**A07.0198.25.72 GR/L**	R AB5B L AHE4	X800 X400	0.274“	0.167“	0.136“	1.102“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.078“	1.201“	0.283“	+	**A07.0198.30.72 GR/L**	R AJQG L AHPP	X800 X400	0.274“	0.167“	0.136“	1.299“	-	0.098“	R A07.R L A07.L	inch
0.276“	0.078“	1.402“	0.283“	+	**A07.0198.35.72 GR/L**	R AFCM L AF31	X800 X400	0.274“	0.167“	0.136“	1.496“	-	0.098“	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	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	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	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	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	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	6,95	4,25	3,45	38,0	-	2,5	R A07.R L A07.L	

Continued Table **Related Items can be found on the previous page as well!**

Order example: **A07.0200.15.72 GR X800** (R = Right hand version, X800 = Grade)

simtek individual | A07. | w, 1/100 mm, 3 Digits | . | L2, 1/1 mm , 2 Digits | .72. | R, 1/100 mm , 3 Digits | Tolerance | R/L

Example Part number: **A07.137.15.72.015 XN R** or **A07.137.15.72.015 XN L**

Grooving

For use in bores as of minimum bore diameter 10,5 mm.

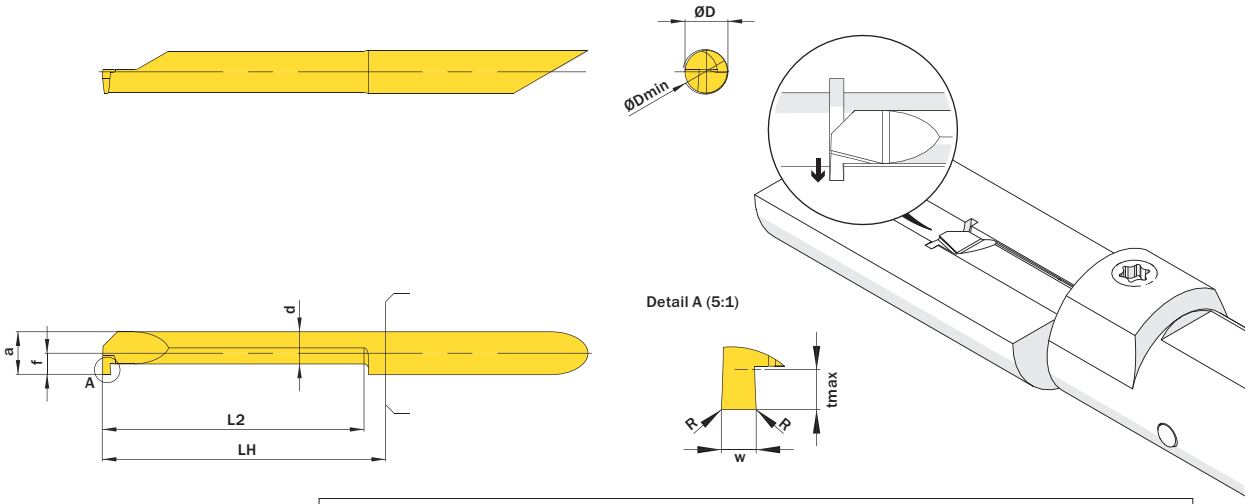
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
18, 28, 37, 44, 46, 53, 63

Similar tools on page
94

SP HM R Legend **126**

Scan **QR-Code** Or Visit **www.simtek.info/cp/1120**



Additional information about through coolant supply on page 9

ØD	w +0,03	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	R	tmax	Connectcode www.simtek.com/ccode	
mm	mm	mm	mm					mm	mm	mm	mm	mm	mm		
▼ w = 1,0 mm															
10,0	1,0	30,5	10,5	+	**A10.0100.30.10 GR/L**	R AYEJ L AYEH	X800 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	+	**A10.0100.50.10 GR/L**	R AYEM L AYEK	X800 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	+	**A10.0200.30.10 GR/L**	R AYEP L AYEN	X800 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	+	**A10.0200.50.10 GR/L**	R AYES L AYEQ	X800 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	+	**A10.0300.30.10 GR/L**	R AYEU L AYET	X800 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	+	**A10.0300.50.10 GR/L**	R AT6F L AYEV	X800 X400	9,95	5,45	4,95	53,0	-	4,0	R A10.R L A10.L	

Order example: **A10.0200.30.10 GR X800** (R = Right hand version, X800 = Grade)

Full Radius Grooving

For use in bores as of minimum bore diameter 4,2 mm (0.165“).

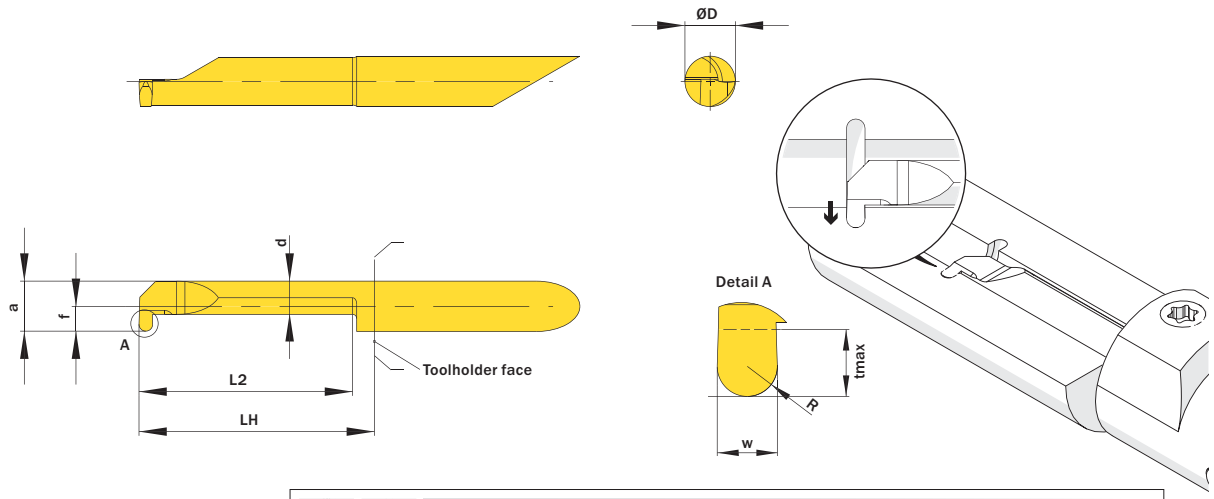
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
15, 16, 17, 19, 20, 22, 23, 24, 25, 26, 29, 30, 31, 32, 33, 34, 35, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/778**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Drawing shows: A06.0150.25.62 VR

Additional information about through coolant supply on page 9

ØD mm/inch	w +0.03mm / 0.001“ mm/inch	L2 mm/inch	ØDmin (min. bore) mm/inch	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm/inch	d mm/inch	f mm/inch	LH mm/inch	R mm/inch	tmax mm/inch	Connectcode www.simtek.com/ccode	
▼ ØD = 4,0 mm / 0.157“															
4,0	1,0	15,2	4,2	+	**A04.0100.15.42 VR/L**	R AC9G L ACXS	X800 X400	3,95	2,95	1,95	18,0	0,5	0,8	R A04C.R L A04C.L	
0.157“	0.046“	0.598“	0.165“	+	**A04.0117.15.42 VR/L**	R AG4M L AGZT	X800 X400	0.156“	0.116“	0.077“	0.709“	0.023“	0.031“	R A04C.R L A04C.L	inch
▼ ØD = 5,0 mm / 0.197“															
5,0	1,0	20,3	5,2	+	**A05.0100.20.52 VR/L**	R AHPY L AMKU	X800 X400	4,95	3,75	2,45	23,0	0,5	1,0	R A05.R L A05.L	
0.197“	0.046“	0.799“	0.205“	+	**A05.0117.20.52 VR/L**	R AGGW L AFDM	X800 X400	0.195“	0.148“	0.096“	0.906“	0.023“	0.039“	R A05.R L A05.L	inch
5,0	1,5	20,3	5,2	+	**A05.0150.20.52 VR/L**	R AA2S L ACC3	X800 X400	4,95	3,75	2,45	23,0	0,75	1,0	R A05.R L A05.L	
0.197“	0.062“	0.799“	0.205“	+	**A05.0157.20.52 VR/L**	R AM8X L APCC	X800 X400	0.195“	0.148“	0.096“	0.906“	0.031“	0.039“	R A05.R L A05.L	inch
0.197“	0.064“	0.799“	0.205“	+	**A05.0163.20.52 VR/L**	R AT8E L AT8D	X800 X400	0.195“	0.148“	0.096“	0.906“	0.032“	0.039“	R A05.R L A05.L	inch
0.197“	0.078“	0.799“	0.205“	+	**A05.0198.20.52 VR/L**	R AT8G L AT8F	X800 X400	0.195“	0.148“	0.096“	0.906“	0.039“	0.039“	R A05.R L A05.L	inch
5,0	2,0	20,3	5,2	+	**A05.0200.20.52 VR/L**	R AK1U L AMG6	X800 X400	4,95	3,75	2,45	23,0	1,0	1,0	R A05.R L A05.L	
▼ ØD = 6,0 mm / 0.236“															
6,0	1,0	25,4	6,2	+	**A06.0100.25.62 VR/L**	R AKUZ L AFNY	X800 X400	5,95	3,95	2,95	28,0	0,5	1,8	R A06.R L A06.L	
0.236“	0.046“	1.000“	0.244“	+	**A06.0117.25.62 VR/L**	R AKMZ L AGQY	X800 X400	0.234“	0.156“	0.116“	1.102“	0.023“	0.071“	R A06.R L A06.L	inch
6,0	1,5	25,4	6,2	+	**A06.0150.25.62 VR/L**	R AD22 L AMMJ	X800 X400	5,95	3,95	2,95	28,0	0,75	1,8	R A06.R L A06.L	
0.236“	0.062“	1.000“	0.244“	+	**A06.0157.25.62 VR/L**	R APSG L ANCZ	X800 X400	0.234“	0.156“	0.116“	1.102“	0.031“	0.071“	R A06.R L A06.L	inch
0.236“	0.064“	1.000“	0.244“	+	**A06.0163.25.62 VR/L**	R AT8J L AT8H	X800 X400	0.234“	0.156“	0.116“	1.102“	0.032“	0.071“	R A06.R L A06.L	inch
0.236“	0.078“	1.000“	0.244“	+	**A06.0198.25.62 VR/L**	R AT8M L AT8K	X800 X400	0.234“	0.156“	0.116“	1.102“	0.039“	0.071“	R A06.R L A06.L	inch
6,0	2,0	20,3	6,2	+	**A06.0200.20.62 VR/L**	R AMVK L AFV9	X800 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	5,95	3,95	2,95	28,0	1,0	1,8	R A06.R L A06.L	
▼ ØD = 7,0 mm / 0.276“															
7,0	1,0	30,5	7,2	+	**A07.0100.30.72 VR/L**	R AMUA L APBC	X800 X400	6,95	4,25	3,45	33,0	0,5	2,5	R A07.R L A07.L	
0.276“	0.046“	1.201“	0.283“	+	**A07.0117.30.72 VR/L**	R ABU4 L AETJ	X800 X400	0.274“	0.167“	0.136“	1.299“	0.023“	0.098“	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	6,95	4,25	3,45	33,0	0,585	2,5	R A07.R L A07.L	
0.276“	0.062“	1.201“	0.283“	+	**A07.0157.30.72 VR/L**	R AG9X L AE47	X800 X400	0.274“	0.167“	0.136“	1.299“	0.031“	0.098“	R A07.R L A07.L	inch
0.276“	0.064“	1.201“	0.283“	+	**A07.0163.30.72 VR**	A4N1	X800 X400	0.274“	0.167“	0.136“	1.299“	0.032“	0.098“	A07.R	inch
0.276“	0.078“	1.201“	0.283“	+	**A07.0198.30.72 VR/L**	R AT8S L AT8Q	X800 X400	0.274“	0.167“	0.136“	1.299“	0.039“	0.098“	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	6,95	4,25	3,45	33,0	1,0	2,5	R A07.R L A07.L	

Order example: **A06.0200.25.62 VR X800** (R = Right hand version, X800 = Grade)

Pre-Part-Off and Chamfering

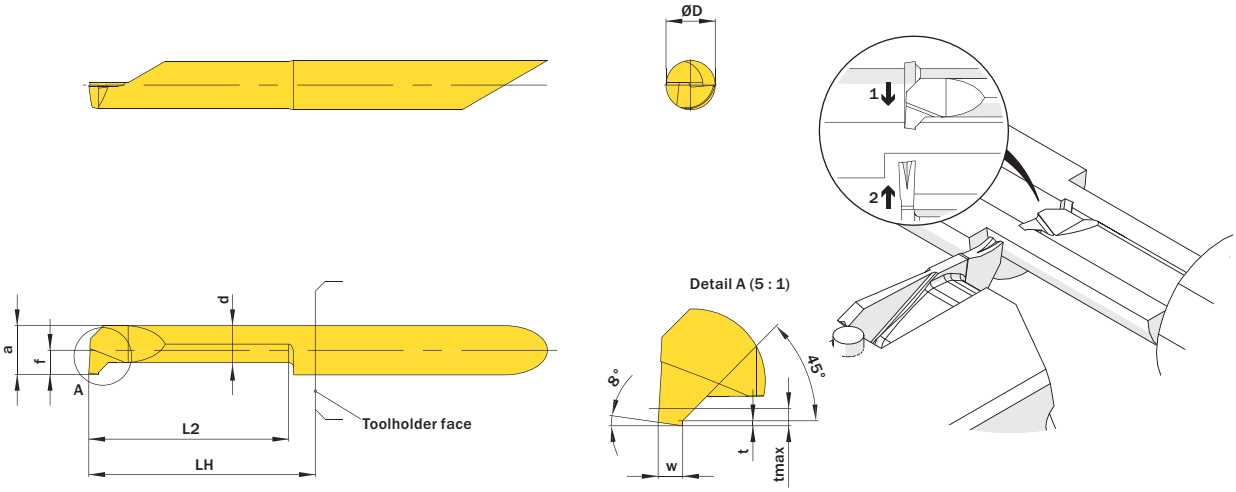
For use in bores as of minimum bore diameter 3,7 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
13, 15, 16, 19, 20, 21, 22, 23, 24, 25, 29, 30, 31, 32, 33, 34, 42, 43, 45, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/779**



Drawing shows: A05.0100.20.52 PR

Additional information about through coolant supply on page 9

ØD	w	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a	d	f	LH	t	tmax	Connectcode www.simtek.com/ccode
mm	mm	mm	mm					mm	mm	mm	mm	mm	mm	
▼ 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	3,45	2,45	1,7	13,0	0,2	0,7	R A04.R|A04C.R L A04.L|A04C.L
4,0	1,0	15,2	3,7	+	**A04.0100.15.37 PR/L**	R ACD1 L AVE0	X800 X400	3,45	2,45	1,7	18,0	0,2	0,7	R A04.R|A04C.R L A04.L|A04C.L
▼ 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	3,95	2,95	1,95	23,0	0,2	0,7	R A04C.R L A04C.L
▼ 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	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 AD0E L ANDY	X800 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	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	4,95	3,75	2,45	33,0	0,2	0,7	R A05.R L A05.L
▼ 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	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	5,95	3,95	2,95	43,0	0,2	0,7	R A06.R L A06.L

Order example: **A06.0100.30.62 PR X800** (R = Right hand version, X800 = Grade)

Threading, Metr. ISO, Internal, Partial Profile

Multi-purpose tools, usable for different pitches.

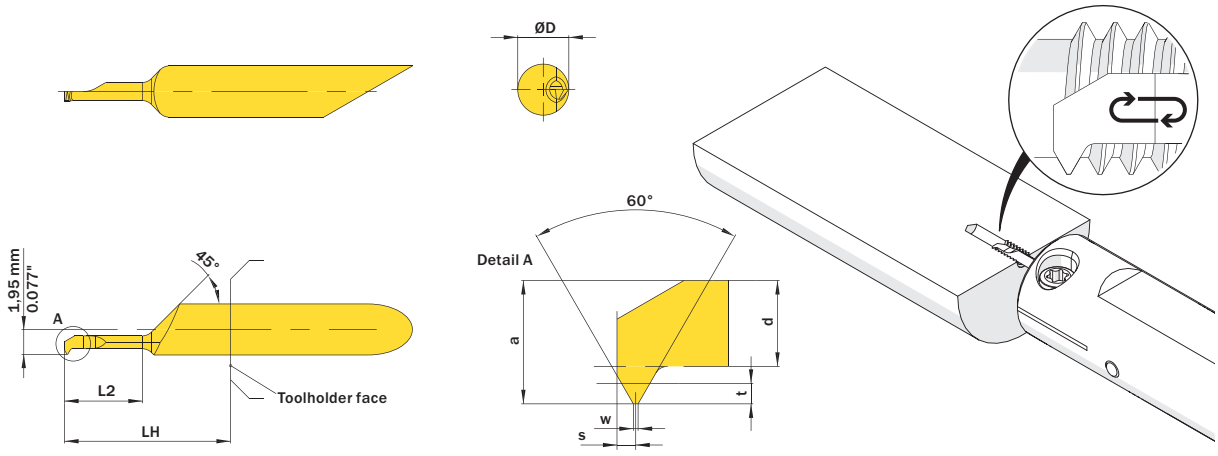
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
19, 20, 23, 29, 30, 32, 42, 43, 45, 47, 48, 49, 50, 51, 54, 56, 57, 60, 61, 62, 64

Please read add. notes
T01 (Page 124)

SP HM R Legend **126**

Scan **QR-Code** Or Visit **www.simtek.info/cp/767**



Drawing shows: A04.M045.01.06.17 M R

Additional information about through coolant supply on page 9

ØD	Pitch (as of)	L2	ØDmin (min. bore)	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	Standard pitch thread	a	d	LH	S	t	w	Connectcode www.simtek.com/ccode
mm	mm	mm	mm						mm	mm	mm	mm	mm	mm	
▼ 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	M1	0,67	0,39	13,0	0,14	0,135	0,03	R A04C.R L A04C.L
▼ Standard pitch thread = M1,6															
4,0	0,35	4,0	1,22	+	**A04.M035.01.04.12 MR/L**	R AKSA L AE2B	X800 X400	M1,6	1,1	0,71	13,0	0,18	0,189	0,04	R A04C.R L A04C.L
▼ Standard pitch thread = M2															
4,0	0,4	5,0	1,57	+	**A04.M040.01.05.15 MR/L**	R AB5T L AG6C	X800 X400	M2	1,4	0,98	13,0	0,2	0,216	0,05	R A04C.R L A04C.L
▼ Standard pitch thread = M2,2															
4,0	0,45	6,0	1,71	+	**A04.M045.01.06.17 MR/L**	R AH5G L ACVW	X800 X400	M2,2	1,45	1,01	13,0	0,22	0,243	0,06	R A04C.R L A04C.L
▼ 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	M3	2,2	1,73	13,0	0,24	0,271	0,06	R A04C.R L A04C.L
▼ 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	M4	2,95	2,37	13,0	0,32	0,379	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	M4	2,95	2,37	18,0	0,32	0,379	0,09	R A04C.R L A04C.L

Order example: **A04.M035.01.04.12 MR X800** (R = Right hand version, X800 = Grade)

Please read the additional notes mentioned in the information area on the top right corner of this page.

Threading, Metr. ISO, Internal, Partial Profile

Multi-purpose tools, usable for different pitches.

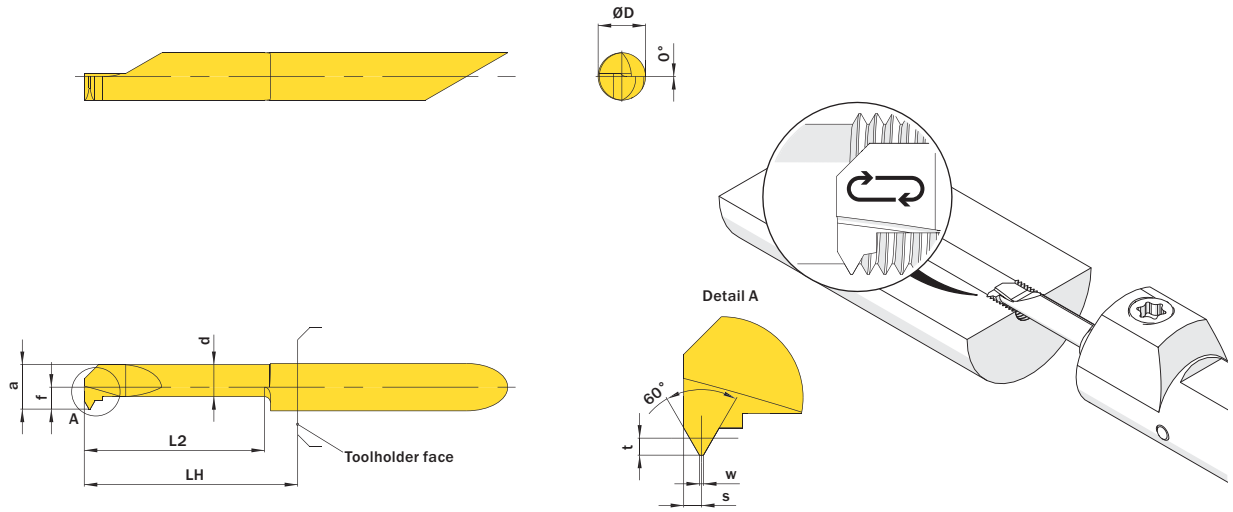
Cutting parameters (start)
Number of passes **10 - 16**
Recom. infeed method
Flank infeed
Vc **TechData**

Suitable toolholders on page
15, 16, 19, 20, 22, 23, 24, 25, 29, 30, 31, 32, 33, 34, 42, 43, 45, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64

Please read add. notes **T01 (Page 124)**

SP HM R Legend 126

Scan QR-Code Or Visit **www.simtek.info/cp/770**



Drawing shows: A04.MT08.01.15.39 M R

Additional information about through coolant supply on page 9

ØD mm	Pitch (as of) mm	Pitch (up to) mm	L2 mm	ØDmin (min. bore) mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode		Our first choice P K M N S		a mm	d mm	f mm	LH mm	S mm	t mm	w mm	Connectcode www.simtek.com/ccode	
▼ 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	3,65	2,7	1,95	18,0	0,45	0,46	0,1	R A04C.R	L A04C.L
▼ 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	3,95	2,95	1,95	18,0	0,35	0,4	0,06	R A04C.R	L A04C.L
▼ 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	4,55	3,55	2,25	18,0	0,55	0,7	0,12	R 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	4,55	3,55	2,25	23,0	0,55	0,7	0,12	R 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	4,55	3,55	2,25	28,0	0,55	0,7	0,12	R A05.R	L A05.L
▼ 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	4,85	3,65	2,4	18,0	0,45	0,57	0,09	R A05.R	L A05.L
▼ 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	4,95	3,75	2,45	18,0	0,35	0,43	0,06	R A05.R	L A05.L
▼ 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	5,95	3,95	2,95	18,0	0,55	0,7	0,12	R 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	5,95	3,95	2,95	18,0	0,75	0,84	0,16	R A06.R	L A06.L
6,0	1,25	1,5	20,3	6,2	+	**A06.MT12.01.20.62 MR/L**	R ABDJ	L AFV2	X800	X400	5,95	3,95	2,95	23,0	0,75	0,84	0,16	R 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	5,95	3,95	2,95	28,0	0,75	0,84	0,16	R 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	5,95	3,95	2,95	18,0	0,8	0,98	0,18	R 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	5,95	3,95	2,95	23,0	0,8	0,98	0,18	R 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	5,95	3,95	2,95	28,0	0,8	0,98	0,18	R A06.R	L A06.L

Order example: **A06.MT12.01.25.62 MR X800** (R = Right hand version, X800 = Grade)

Please read the additional notes mentioned in the information area on the top right corner of this page.

Threading, Metr. ISO, Internal, Full Profile

For a complete thread profile with correct depth.

Cutting parameters (start)

Number of passes
10 - 16

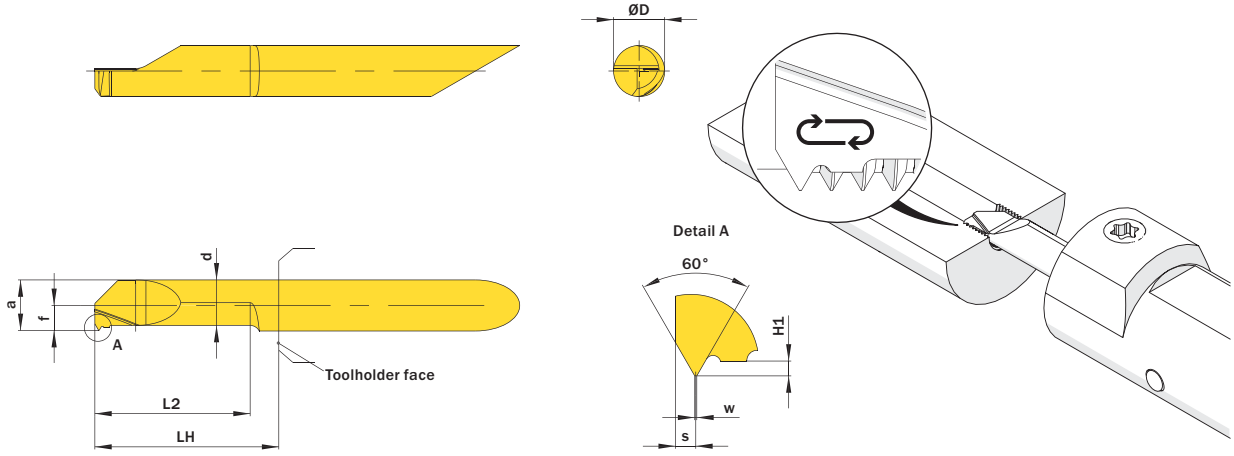
Recom. infeed method
Flank infeed

Vc
Page 133

Suitable toolholders on page
15, 16, 19, 20, 22, 23, 24, 25, 29, 30, 31, 32, 33, 34, 42, 43, 45, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/771**



Drawing shows: A05.MT05.02.15.52 MR

Additional information about through coolant supply on page 9

ØD mm	Pitch (as of) mm	L2 mm	ØDmin (min. bore) mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a mm	d mm	f mm	H1 mm	LH mm	S mm	w mm	Connectcode www.simtek.com/ccode
▼ 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	2,95	2,35	1,95	0,38	18,0	0,45	0,09	R A04C.R L A04C.L
▼ 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	3,65	2,9	1,95	0,43	18,0	0,5	0,1	R A04C.R L A04C.L
▼ 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	3,95	3,45	1,95	0,27	18,0	0,4	0,06	R A04C.R L A04C.L
4,0	0,7	15,2	4,2	+	**A04.MT07.02.15.42 MR/L**	R AX5W L AX5V	X800 X400	3,95	3,35	1,95	0,38	18,0	0,45	0,09	R A04C.R L A04C.L
▼ 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	4,55	3,55	2,25	0,54	18,0	0,6	0,12	R A05.R L A05.L
▼ 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	4,85	4,15	2,4	0,4	18,0	0,5	0,09	R A05.R L A05.L
▼ 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	4,95	4,45	2,45	0,27	18,0	0,4	0,06	R A05.R L A05.L
▼ 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	5,95	5,05	2,95	0,54	18,0	0,6	0,12	R A06.R L A06.L
6,0	1,0	25,4	6,2	+	**A06.MT10.02.25.62 MR**	AYXW	X800 X400	5,95	5,05	2,95	0,54	28,0	0,6	0,12	A06.R
6,0	1,25	15,2	6,2	+	**A06.MT12.02.15.62 MR/L**	R ANSN L AB2Z	X800 X400	5,95	4,8	2,95	0,67	18,0	0,7	0,15	R A06.R L A06.L
6,0	1,25	25,4	6,2	+	**A06.MT12.02.25.62 MR**	AYXX	X800 X400	5,95	4,8	2,95	0,67	28,0	0,7	0,15	A06.R
6,0	1,5	15,2	6,2	+	**A06.MT15.02.15.62 MR/L**	R ADMY L ADBX	X800 X400	5,95	4,5	2,95	0,81	18,0	0,8	0,18	R A06.R L A06.L
6,0	1,5	25,4	6,2	+	**A06.MT15.02.25.62 MR**	AYXY	X800 X400	5,95	4,5	2,95	0,81	28,0	0,8	0,18	A06.R
6,0	1,75	15,2	6,2	+	**A06.MT17.02.15.62 MR/L**	R APC1 L AKJ7	X800 X400	5,95	4,3	2,95	0,94	18,0	0,9	0,21	R A06.R L A06.L
6,0	1,75	25,4	6,2	+	**A06.MT17.02.25.62 MR**	AYXZ	X800 X400	5,95	4,3	2,95	0,94	28,0	0,9	0,21	A06.R
6,0	2,0	15,2	6,2	+	**A06.MT20.02.15.62 MR/L**	R AK5N L AN51	X800 X400	5,95	4,1	2,95	1,08	18,0	1,0	0,25	R A06.R L A06.L
6,0	2,0	25,4	6,2	+	**A06.MT20.02.25.62 MR**	AYX0	X800 X400	5,95	4,1	2,95	1,08	28,0	1,0	0,25	A06.R

Order example: **A05.MT10.02.15.48 MR X800** (R = Right hand version, X800 = Grade)

Threading, Trapezoidal, Internal, Partial Profile

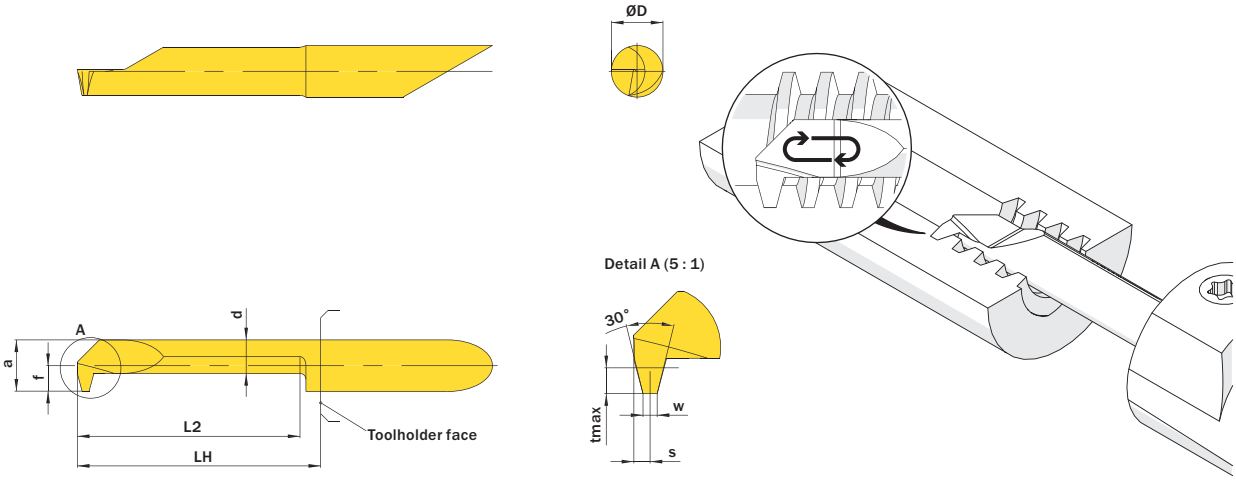
Partial profile for internal trapezoidal thread.

Cutting parameters (start)
Number of passes **12 - 18**
Recom. infeed method **Flank infeed**
Vc **Page 133**

Suitable toolholders on page
16, 17, 19, 25, 26, 31, 34, 35, 42, 43, 44, 45, 46, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

SP HM R Legende Legend 126

Scan QR-Code Or Visit **www.simtek.info/cp/773**



Drawing shows: A07.TR30.01.30.72 M R

Additional information about through coolant supply on page 9

ØD mm	Pitch (as of) mm	L2 mm	ØDmin (min. bore) mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode		Our first choice P K M N S		a mm	d mm	f mm	LH mm	S mm	tmax mm	w mm	Connectcode www.simtek.com/ccode	
▼ 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	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	5,95	4,55	2,95	23,0	0,75	1,25	0,6	R A06.R	L A06.L
▼ 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	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	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	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	6,95	4,55	3,45	33,0	1,1	1,75	0,96	R A07.R	L A07.L

Order example: **A07.TR30.01.30.72 MR X800** (R = Right hand version, X800 = Grade)

simturn AX
SIMTEK Small Part Machining Type AX

Threading, NPT, Internal, Partial Profile

Partial profile for internal NPT thread.

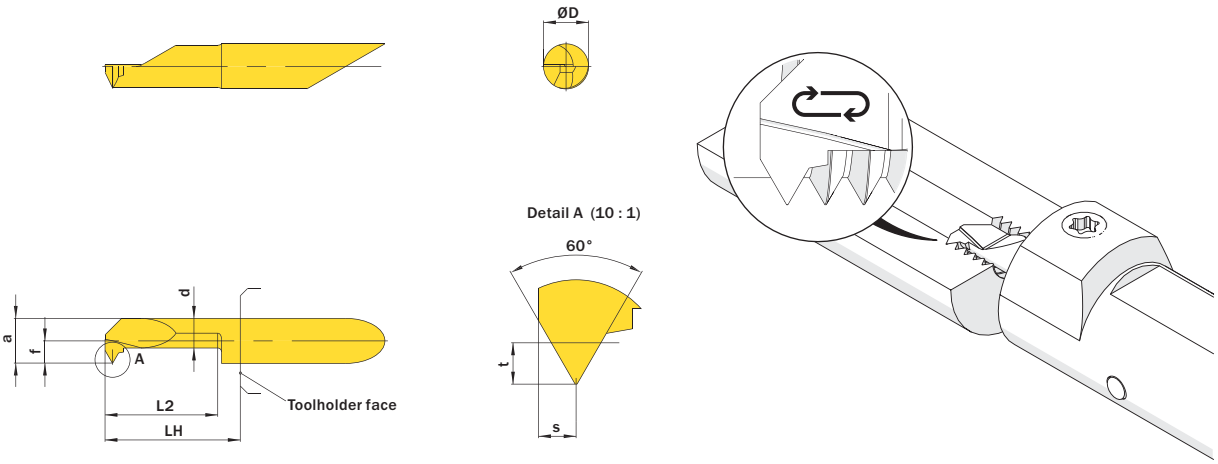
Cutting parameters (start)
Number of passes **10 - 16**
Recom. infeed method **Flank infeed**
Vc **Page 133**

Suitable toolholders on page
16, 19, 25, 31, 34, 42, 43, 45, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

SP HM R Legend 126

Scan QR-Code Or Visit **www.simtek.info/cp/772**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Drawing shows: A06.NP18.01.15.62 M R

Additional information about through coolant supply on page 9

ØD inch	Threads/Inch	L2 inch	ØDmin (min. bore) inch	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	a inch	d inch	f inch	LH inch	S inch	t inch	Connectcode www.simtek.com/ccode	
▼ Threads/Inch = 18															
0.236“	18	0.598“	0.244“	+	**A06.NP18.01.15.62 MR/L**	R AC4A L AMGC	X800 X400	0.234“	0.156“	0.116“	0.709“	0.039“	0.053“	R A06.R L A06.L	inch
▼ Threads/Inch = 27															
0.236“	27	0.598“	0.244“	+	**A06.NP27.01.15.62 MR/L**	R APHY L AM4Y	X800 X400	0.234“	0.156“	0.116“	0.709“	0.031“	0.039“	R A06.R L A06.L	inch

Order example: **A06.NP18.01.15.62 MR X800** (R = Right hand version, X800 = Grade)

simturn AX
SIMTEK Small Part Machining Type AX

Threading, UN, Internal, Partial Profile

Partial profile for internal UN thread.

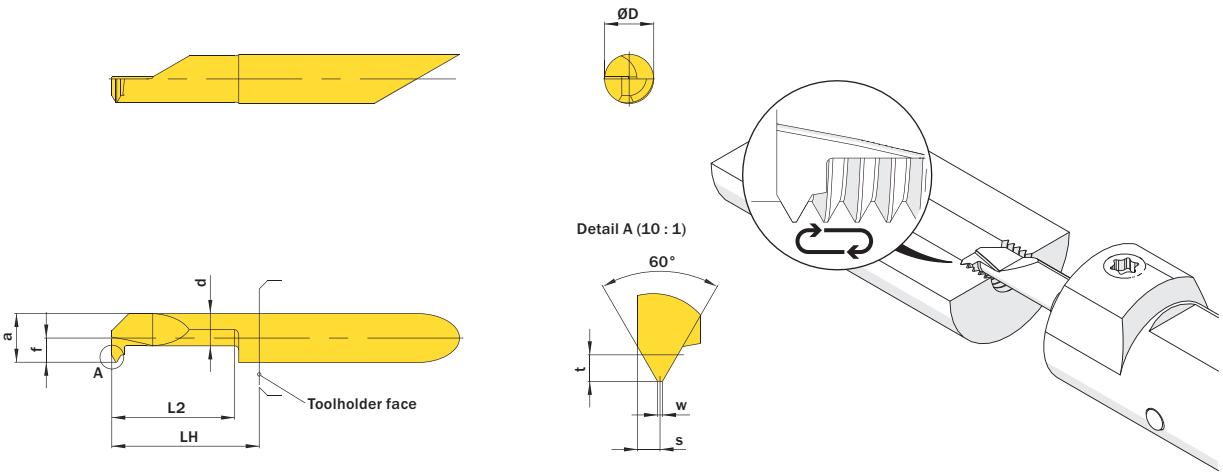
Cutting parameters (start)
Number of passes
10 - 16
Recom. infeed method
Flank infeed
Vc
Page 133

Suitable toolholders on page
15, 16, 19, 20, 22, 23, 24, 25, 29, 30, 31, 32, 33, 34, 42, 43, 45, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64

SP HM R Legend 126

Scan QR-Code Or Visit **www.simtek.info/cp/774**

This page contains inch tools! These tools are indicated by inch on the right hand side.



Drawing shows: A06.UN24.01.15.62 M R

Additional information about through coolant supply on page 9

ØD inch	Threads/inch	L2 inch	ØDmin (min. bore) inch	Through coolant supply	Part number	Webcode www.simtek.com/webcode		Our first choice P K M N S		a inch	d inch	f inch	LH inch	S inch	t inch	w inch	Connectcode www.simtek.com/ccode		
▼ ØDmin (min. bore) = 0.165“																			
0.157“	32-40	0.598“	0.165“	+	**A04.UN32.01.15.42 MR/L**	R AF1W	L AASQ	X800	X400	0.156“	0.116“	0.077“	0.709“	0.018“	0.019“	0.003“	R A04C.R	L A04C.L	inch
▼ ØDmin (min. bore) = 0.205“																			
0.197“	24-28	0.598“	0.205“	+	**A05.UN24.01.15.52 MR/L**	R APZB	L ANS8	X800	X400	0.195“	0.148“	0.096“	0.709“	0.022“	0.025“	0.004“	R A05.R	L A05.L	inch
0.197“	32-40	0.598“	0.205“	+	**A05.UN32.01.15.52 MR/L**	R AEH2	L ANNA	X800	X400	0.195“	0.148“	0.096“	0.709“	0.018“	0.019“	0.003“	R A05.R	L A05.L	inch
▼ ØDmin (min. bore) = 0.244“																			
0.236“	16-20	0.598“	0.244“	+	**A06.UN16.01.15.62 MR/L**	R AA4A	L ADKY	X800	X400	0.234“	0.156“	0.116“	0.709“	0.035“	0.038“	0.006“	R A06.R	L A06.L	inch
0.236“	24-28	0.598“	0.244“	+	**A06.UN24.01.15.62 MR/L**	R ACDX	L ADTJ	X800	X400	0.234“	0.156“	0.116“	0.709“	0.022“	0.025“	0.004“	R A06.R	L A06.L	inch

Order example: **A06.UN24.01.15.62 MR X800** (R = Right hand version, X800 = Grade)

simturn AX
SIMTEK Small Part Machining Type AX

Threading, UNC/UNF, Internal, Full Profile

For a complete thread profile with correct depth.

Cutting parameters (start)
Number of passes **10 - 16**
Recom. infeed method **Flank infeed**
Vc **Page 133**

Suitable toolholders on page
15, 16, 19, 20, 22, 23, 24, 25, 29, 30, 31, 32, 33, 34, 42, 43, 45, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62, 64

SP HM | R | Legend 126

Scan QR-Code | Or Visit **www.simtek.info/cp/775**

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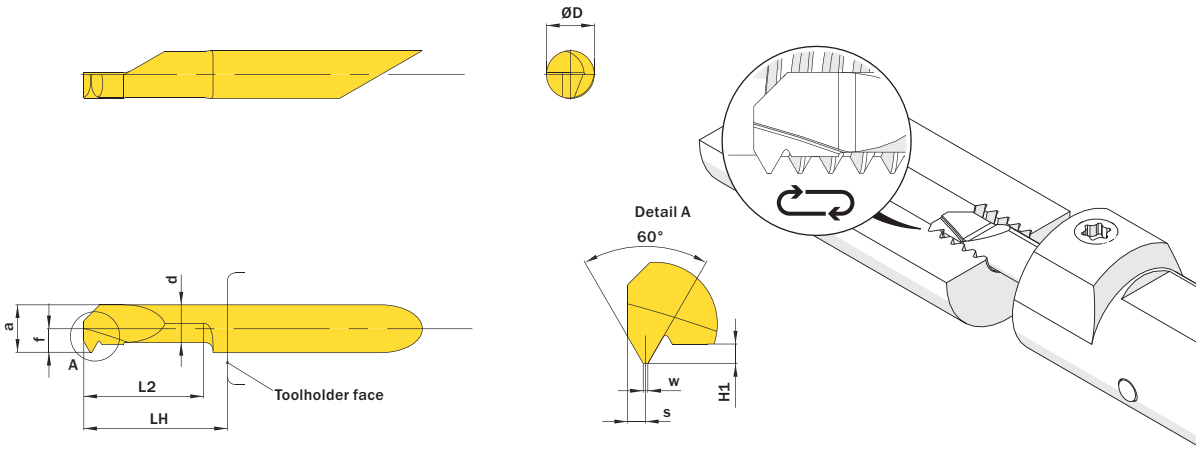


Drawing shows: A04.UN14.02.15.62 M R

Additional information about through coolant supply on page 9

ØD inch	Threads/inch	L2 inch	Through coolant supply	Part number	Webcode www.simtek.com/webcode		Our first choice P K M N S		a inch	d inch	ØDmin (min. bore) inch	f inch	H1 inch	LH inch	Pitch (as of) inch	S inch	w inch	Connectcode www.simtek.com/ccode			
▼ ØDmin (min. bore) = 0.154“																					
0.157“	28	0.598“	+	**A04.UN28.02.15.39 MR/L**	R AW98	L AD3Q	X800	X400	0.148“	0.116“	0.154“	0.073“	0.019“	0.709“	0.036“	0.024“	0.004	R A04C.R	L A04C.L	inch
0.157“	32	0.598“	+	**A04.UN32.02.15.39 MR/L**	R AW97	L AXA2	X800	X400	0.148“	0.116“	0.154“	0.073“	0.017	0.709“	0.031“	0.022“	0.004	R A04C.R	L A04C.L	inch
▼ ØDmin (min. bore) = 0.165“																					
0.157“	24	0.598“	+	**A04.UN24.02.15.42 MR/L**	R ACKF	L AAPQ	X800	X400	0.156“	0.120“	0.165“	0.077“	0.022“	0.709“	0.042“	0.026“	0.005“	R A04C.R	L A04C.L	inch
▼ ØDmin (min. bore) = 0.205“																					
0.197“	20	0.598“	+	**A05.UN20.02.15.52 MR/L**	R AJXH	L ATV1	X800	X400	0.195“	0.156“	0.205“	0.096“	0.027“	0.709“	0.050“	0.028“	0.006“	R A05.R	L A05.L	inch
▼ ØDmin (min. bore) = 0.244“																					
0.236“	14	0.598“	+	**A06.UN14.02.15.62 MR/L**	R AGVT	L AEVU	X800	X400	0.234“	0.179“	0.244“	0.116“	0.039“	0.709“	0.071“	0.035“	0.009“	R A06.R	L A06.L	inch
0.236“	16	0.598“	+	**A06.UN16.02.15.62 MR/L**	R AMTC	L AGN9	X800	X400	0.234“	0.187“	0.244“	0.116“	0.034“	0.709“	0.063“	0.033“	0.008“	R A06.R	L A06.L	inch
0.236“	18	0.598“	+	**A06.UN18.02.15.62 MR/L**	R AK2J	L AFD2	X800	X400	0.234“	0.191“	0.244“	0.116“	0.030“	0.709“	0.056“	0.030“	0.007“	R A06.R	L A06.L	inch

Order example: **A05.UN20.02.15.52 MR X800** (R = Right hand version, X800 = Grade)

simturn AX
SIMTEK Small Part Machining Type AX

Threading, Whitworth, Internal, Full Profile

For a complete thread profile with correct depth,
top radius and bottom radius.

Cutting parameters (start)

Number of passes
10 - 16

Recom. infeed method
Flank infeed

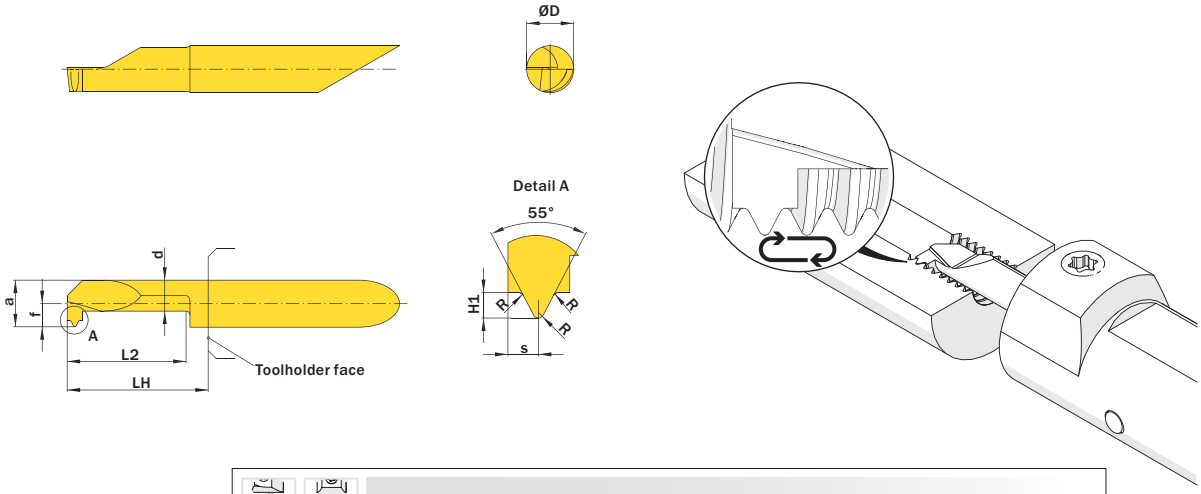
Vc
Page 133

Suitable toolholders on page
15, 16, 19, 22, 24, 25, 30, 31, 33, 34, 42, 43, 45, 47, 48, 49, 50, 51, 52, 55, 56, 57, 58, 59, 60, 61, 62, 64

SP HM R Legend 126

Scan QR-Code Or Visit **www.simtek.info/cp/769**

This page contains inch tools! These tools are indicated by inch on the right hand side.



Drawing shows: A06.BS20.02.15.62 MR

Additional information about through coolant supply on page 9

ØD inch	Threads/inch	L2 inch	ØDmin (min. bore) inch	Through coolant supply	Part number	Webcode www.simtek.com/webcode				Our first choice P K M N S		a inch	d inch	f inch	H1 inch	LH inch	Pitch (as of) inch	R inch	S inch	Connectcode www.simtek.com/ccode				
▼ ØDmin (min. bore) = 0.205“																								
0.197“	24	0.598“	0.205“	+	**A05.BS24.02.15.52 MR/L**	R	AJKA	L	APDA	X800 X400	0.195“	0.148“	0.096“	0.027“	0.709“	0.052“	0.006“	0.031“	R	A05.R	L	A05.L	inch
0.197“	26	0.598“	0.205“	+	**A05.BS26.02.15.52 MR/L**	R	AF70	L	AFBU	X800 X400	0.195“	0.148“	0.096“	0.025“	0.709“	0.038“	0.005“	0.031“	R	A05.R	L	A05.L	inch
0.197“	28	0.598“	0.205“	+	**A05.BS28.02.15.52 MR/L**	R	ABB4	L	AGQA	X800 X400	0.195“	0.148“	0.096“	0.023“	0.709“	0.036“	0.005“	0.031“	R	A05.R	L	A05.L	inch
▼ ØDmin (min. bore) = 0.244“																								
0.236“	19	0.598“	0.244“	+	**A06.BS19.02.15.62 MR/L**	R	AHFD	L	ANAY	X800 X400	0.234“	0.156“	0.116“	0.034“	0.709“	0.053“	0.007“	0.039“	R	A06.R	L	A06.L	inch
0.236“	20	0.598“	0.244“	+	**A06.BS20.02.15.62 MR/L**	R	AHVF	L	AAVT	X800 X400	0.234“	0.156“	0.116“	0.032“	0.709“	0.050“	0.007“	0.039“	R	A06.R	L	A06.L	inch
0.236“	22	0.598“	0.244“	+	**A06.BS22.02.15.62 MR/L**	R	AGES	L	AKD7	X800 X400	0.234“	0.156“	0.116“	0.029“	0.709“	0.045“	0.006“	0.039“	R	A06.R	L	A06.L	inch
0.236“	24	0.598“	0.244“	+	**A06.BS24.02.15.62 MR/L**	R	AKC7	L	AFWW	X800 X400	0.234“	0.156“	0.116“	0.027“	0.709“	0.042“	0.006“	0.031“	R	A06.R	L	A06.L	inch
0.236“	26	0.598“	0.244“	+	**A06.BS26.02.15.62 MR/L**	R	AMDA	L	AJ45	X800 X400	0.234“	0.156“	0.116“	0.025“	0.709“	0.038“	0.005“	0.031“	R	A06.R	L	A06.L	inch
0.236“	28	0.598“	0.244“	+	**A06.BS28.02.15.62 MR/L**	R	AFKD	L	AA9Q	X800 X400	0.234“	0.156“	0.116“	0.023“	0.709“	0.036“	0.005“	0.031“	R	A06.R	L	A06.L	inch

Order example: **A06.BS19.02.15.62 MR X800** (R = Right hand version, X800 = Grade)

Face Grooving in Bores

For use in bores as of minimum bore diameter 6,2 mm (0.244“).

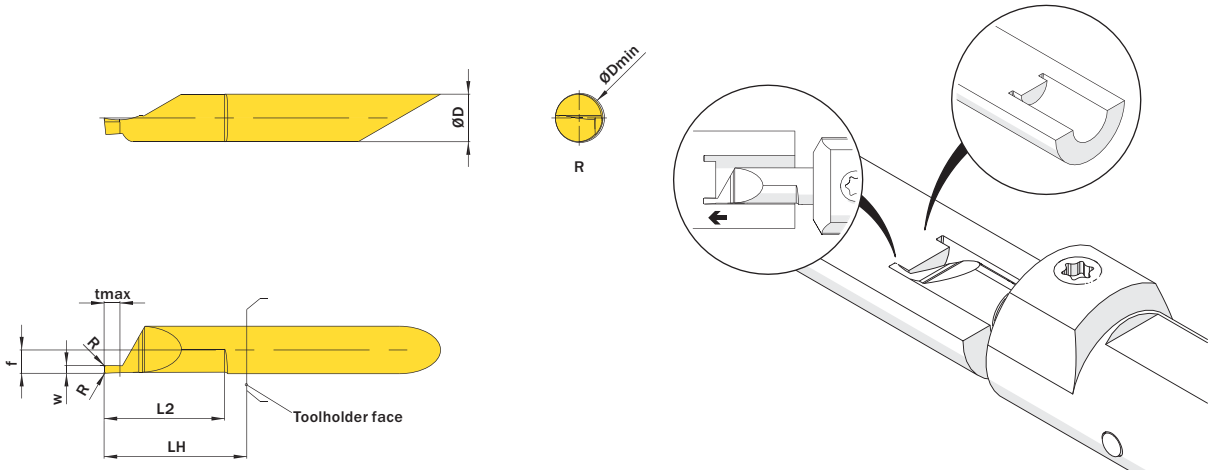
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
16, 19, 25, 31, 34, 42, 43, 45, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/759**

This page contains inch tools! These tools are indicated by **inch** on the right hand side.



Drawing shows: A06.0100.15.01 AG R

Additional information about through coolant supply on page 9

ØD mm/inch	w +0,05mm / 0.002“ mm/inch	L2 mm/inch	Through coolant supply	Part number	Webcode www.simtek.com/webcode				Our first choice P K M N S		ØDmin (min. bore) mm/inch	f mm/inch	LH mm/inch	R mm/inch	tmax mm/inch	Connectcode www.simtek.com/ccode				
▼ R = 0,05 mm / 0.002“																				
0.236“	0.031“	0.598“	+	**A06.0078.15.01.05 AG R/L**	R	AYU8	L	AYU9	X800	X400	0.244“	0.116“	0.709“	0.002“	0.071“	R	A06.R	L	A06.L	inch
6,0	1,0	15,2	+	**A06.0100.15.01.05 AG R/L**	R	AYU7	L	AYU1	X800	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	6,2	2,95	18,0	0,05	3,0	R	A06.R	L	A06.L	
▼ R = 0,15 mm / 0.006“																				
6,0	1,0	15,2	+	**A06.0100.15.01 AG R/L**	R	AB01	L	AH2V	X800	X400	6,2	2,95	18,0	0,15	2,0	R	A06.R	L	A06.L	
0.236“	0.046“	0.598“	+	**A06.0117.15.01 AG R/L**	R	ANY2	L	AP1G	X800	X400	0.244“	0.116“	0.709“	0.006“	0.092“	R	A06.R	L	A06.L	inch
6,0	1,5	15,2	+	**A06.0150.15.01 AG R/L**	R	AMN7	L	AHFP	X800	X400	6,2	2,95	18,0	0,15	3,0	R	A06.R	L	A06.L	
0.236“	0.062“	0.598“	+	**A06.0157.15.01 AG R/L**	R	ANJ5	L	AG36	X800	X400	0.244“	0.116“	0.709“	0.006“	0.124“	R	A06.R	L	A06.L	inch
0.236“	0.078“	0.598“	+	**A06.0198.15.01 AG R/L**	R	AEBQ	L	APCJ	X800	X400	0.244“	0.116“	0.709“	0.006“	0.156“	R	A06.R	L	A06.L	inch
6,0	2,0	15,2	+	**A06.0200.15.01 AG R/L**	R	AJ67	L	AMKX	X800	X400	6,2	2,95	18,0	0,15	4,0	R	A06.R	L	A06.L	
0.236“	0.094“	0.598“	+	**A06.0239.15.01 AG R/L**	R	AF9A	L	ACZ4	X800	X400	0.244	0.116“	0.709“	0.006“	0.197“	R	A06.R	L	A06.L	inch
6,0	2,5	15,2	+	**A06.0250.15.01 AG R/L**	R	AHG4	L	AGS3	X800	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	6,2	2,95	18,0	0,15	6,0	R	A06.R	L	A06.L	
0.236“	0.125“	0.598“	+	**A06.0318.15.01 AG R/L**	R	AM8N	L	AMGF	X800	X400	0.244“	0.116“	0.709“	0.006“	0.236“	R	A06.R	L	A06.L	inch

Order example: **A06.0100.15.01.05 AG R X800** (R = Right hand version, X800 = Grade)

Face Grooving on Pivots

For use in bores as of minimum bore diameter 6,2 mm (0.244“).

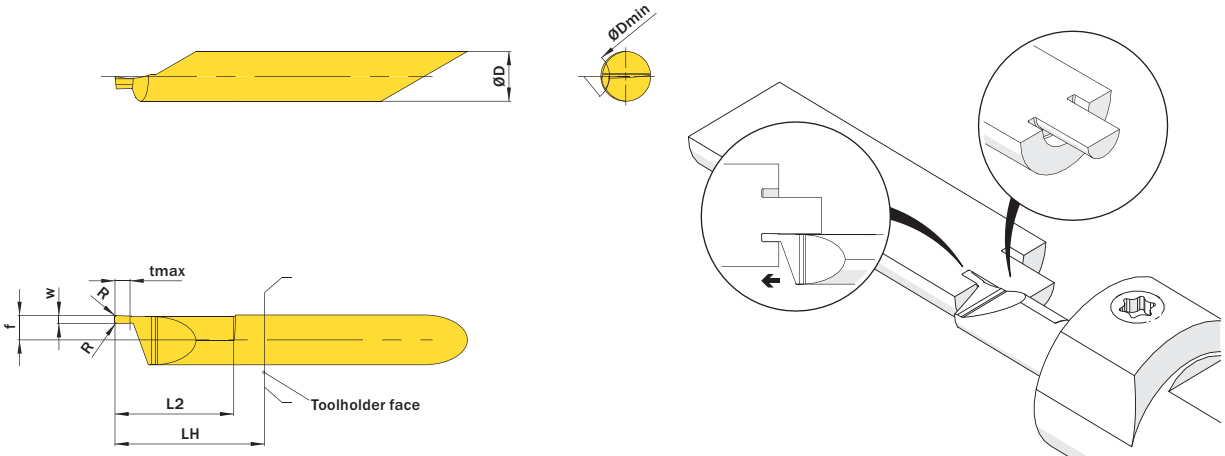
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
16, 19, 25, 31, 34, 42, 43, 45, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/760**

This page contains inch tools! These tools are indicated by inch on the right hand side.



Drawing shows: A06.0100.15.02 AG R

Additional information about through coolant supply on page 9

ØD mm/inch	w +0,05mm / 0.002“ mm/inch	L2 mm/inch	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	ØDmin (min. bore) mm/inch	f mm/inch	LH mm/inch	R mm/inch	tmax mm/inch	Connectcode www.simtek.com/ccode	
0.236“	0.031“	0.598“	+	**A06.0078.15.02.05 AG R/L**	R AYVG L AYVJ	X800 X400	0.244“	0.116“	0.709“	0.002“	0.071“	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	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	6,2	2,95	18,0	0,05	2,0	R A06.L L A06.R	
0.236“	0.046“	0.598“	+	**A06.0117.15.02 AG R/L**	R AAUY L AGYT	X800 X400	0.244“	2,95	0.709“	0.006“	0.092“	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	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	6,2	2,95	18,0	0,05	3,0	R A06.L L A06.R	
0.236“	0.062“	0.598“	+	**A06.0157.15.02 AG R/L**	R ANGN L ABMM	X800 X400	0.244“	0.116“	0.709“	0.006“	0.124“	R A06.L L A06.R	inch
0.236“	0.078“	0.598“	+	**A06.0198.15.02 AG R/L**	R AC8Q L ABEM	X800 X400	0.244“	0.116“	0.709“	0.006“	0.156“	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	6,2	2,95	18,0	0,15	4,0	R A06.L L A06.R	
0.236“	0.094“	0.598“	+	**A06.0239.15.02 AG R/L**	R AH42 L AJSW	X800 X400	0.244“	0.116“	0.709“	0.006“	0.197“	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	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	6,2	2,95	18,0	0,15	6,0	R A06.L L A06.R	
0.236“	0.125“	0.598“	+	**A06.0318.15.02 AG R/L**	R ABXE L AN9H	X800 X400	0.244“	0.116“	0.709“	0.006“	0.236“	R A06.L L A06.R	inch

Order example: **A06.0150.15.02 AG R X800** (R = Right hand version, X800 = Grade)

Face Grooving in Bores

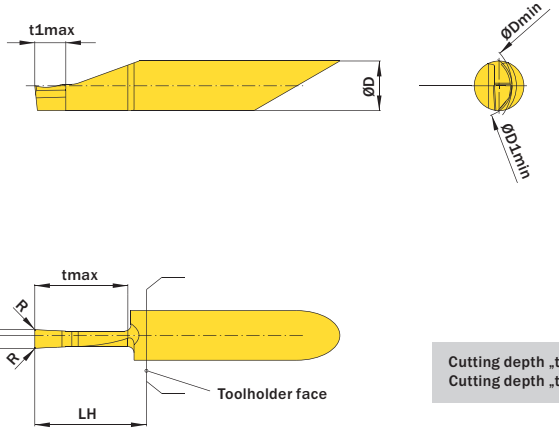
Full cutting depth as of minimum bore diameter 16,0 mm. Reduced cutting depth possible as of minimum bore diameter 10,0 mm.

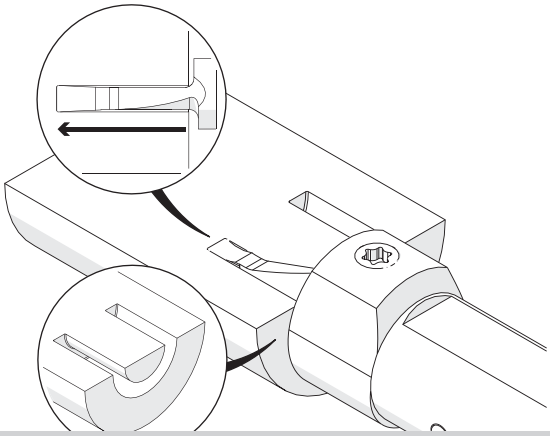
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
18, 27, 36, 44, 46, 53, 61, 62

SP HM | R | Legend **126**

Scan QR-Code | Or Visit **www.simtek.info/cp/761**





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“

Drawing shows: A08.0300.15.00 AG R

Additional information about through coolant supply on page 9

ØD mm	w +0,05 mm	tmax mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	ØDmin (min. bore) mm	t1max mm	D1min mm	f mm	LH mm	R mm	Connectcode www.simtek.com/ccode
▼ w = 2,0 mm													
8,0	2,0	10,0	+	**A08.0200.10.00 AG R/L**	R AV5V L AV5U	X800 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	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	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	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	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	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	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	16,0	3,0	10,0	2,49	20,0	0,2	A08

Order example: **A08.0200.10.00 AG R X800** (R = Right hand version, X800 = Grade)

Face Grooving in Bores

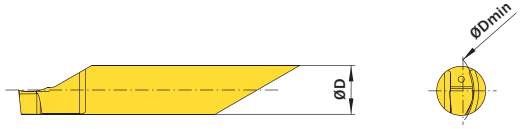
Full cutting depth as of minimum bore diameter 16,0 mm.
Inserts with through coolant.

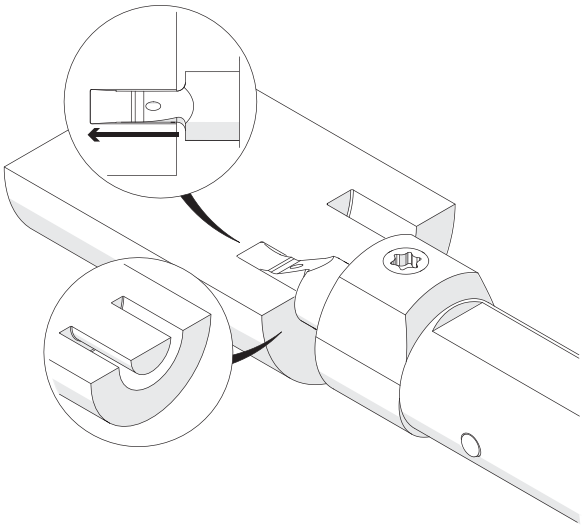
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

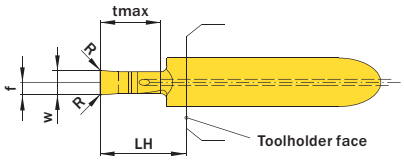
Suitable toolholders on page
27, 36, 41, 44, 46, 53, 61, 62

SP HM | R | Legend **126**

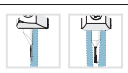
Scan QR-Code | Or Visit **www.simtek.info/cp/999**







Drawing shows: A08.0400.10.00 TAG R



Additional information about through coolant supply on page 9

ØD mm	w +0,05 mm	tmax mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	ØDmin (min. bore) mm	f mm	LH mm	R mm	Connectcode www.simtek.com/ccode
▼ w = 2,0 mm											
8,0	2,0	10,0	+	**A08.0200.10.00 TAG R/L**	R AV5X L AV5W	X800 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	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	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	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	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	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	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	16,0	2,49	20,0	0,2	A08T

Order example: **A08.0300.10.00 TAG R X800** (R = Right hand version, X800 = Grade)

Face Grooving in Bores

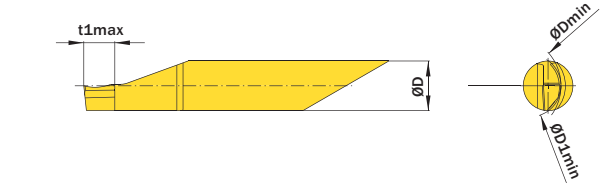
Full cutting depth as of minimum bore diameter 20,0 mm. Reduced cutting depth possible as of minimum bore diameter 12,0 mm.

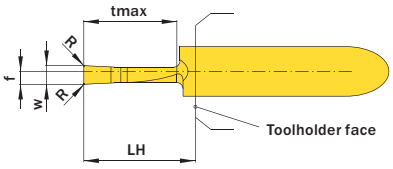
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

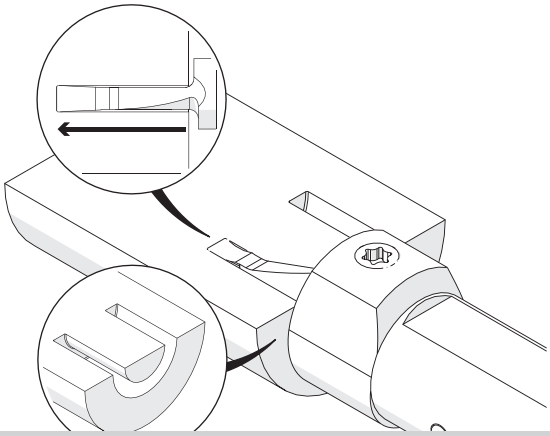
Suitable toolholders on page
18, 28, 37, 44, 46, 53, 63

SP HM R Legend **126**

Scan QR-Code Or Visit **www.simtek.info/cp/762**







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"

Drawing shows: A08.0300.15.00 AG R

Additional information about through coolant supply on page 9

ØD mm	w +0,05 mm	tmax mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	ØDmin (min. bore) mm	t1max mm	D1min mm	f mm	LH mm	R mm	Connectcode www.simtek.com/ccode
▼ w = 3,0 mm													
10,0	3,0	20,0	+	**A10.0300.20.00 AG R/L**	R AAUC L ABVX	X800 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	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	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	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	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	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	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	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	20,0	5,0	12,0	3,1	38,0	0,2	R A10.R L A10.L

Order example: **A10.0300.20.00 AG R X800** (R = Right hand version, X800 = Grade)

Face Grooving in Bores

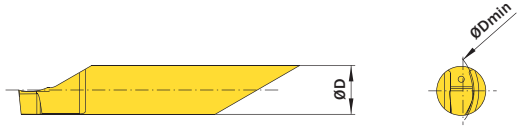
Full cutting depth as of minimum bore diameter 20,0 mm.
Inserts with through coolant.

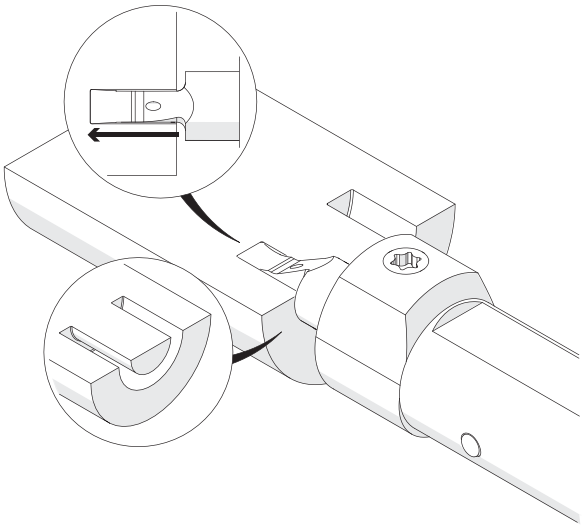
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

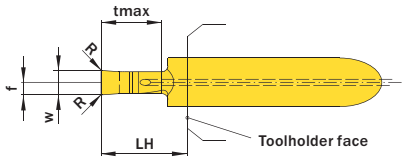
Suitable toolholders on page
28, 37, 44, 46, 53

SP HM | R | Legend **126**

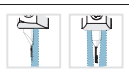
Scan QR-Code | Or Visit **www.simtek.info/cp/1000**







Drawing shows: A08.0400.10.00 TAG R



Additional information about through coolant supply on page 9

ØD mm	w +0,05 mm	tmax mm	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	ØDmin (min. bore) mm	f mm	LH mm	R mm	Connectcode www.simtek.com/ccode
▼ w = 3,0 mm											
10,0	3,0	20,0	+	**A10.0300.20.00 TAG R/L**	R AV02 L AV0Z	X800 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	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	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	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	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	20,0	2,65	38,0	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	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	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	20,0	3,1	38,0	0,2	A10T

Order example: **A10.0300.25.00 TAG R X800** (R = Right hand version, X800 = Grade)

Full Radius Face Grooving in Bores

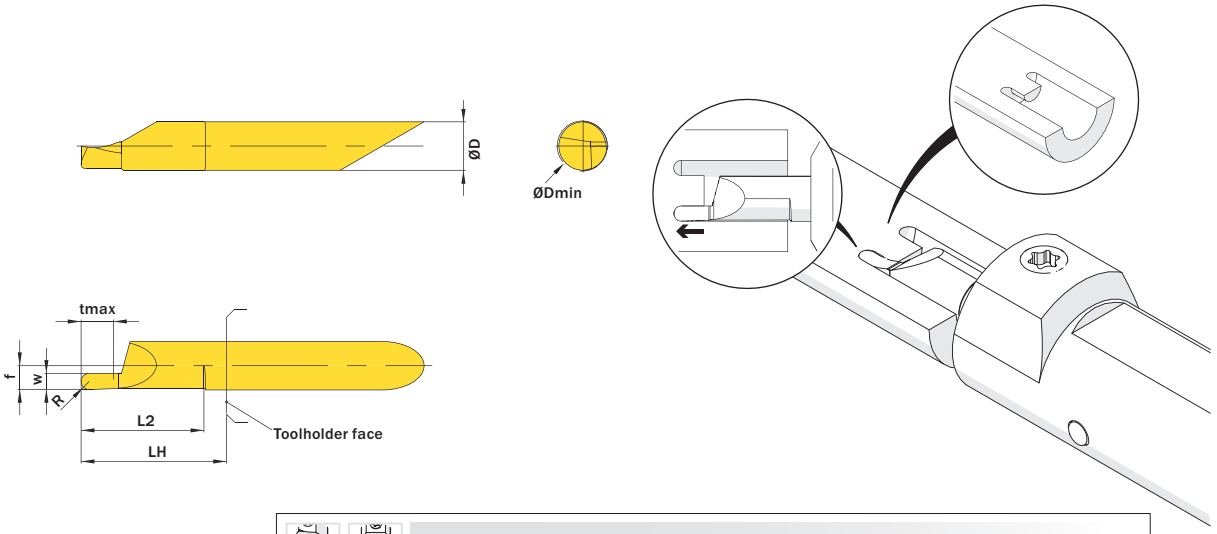
For use in bores as of minimum bore diameter 6,2 mm.

Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
16, 19, 25, 31, 34, 42, 43, 45, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

SP HM R Legend **126**

Scan **QR-Code** Or Visit **www.simtek.info/cp/763**



Drawing shows: A06.0200.15.01 AV R

Additional information about through coolant supply on page 9

ØD	w +0,05	L2	Through coolant supply	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	ØDmin (min. bore)	f	LH	R	tmax	Connectcode www.simtek.com/ccode
mm	mm	mm					mm	mm	mm	mm	mm	
6,0	1,0	15,2	+	**A06.0100.15.01 AV R/L**	R AE1C L AKM6	X800 X400	6,2	2,95	18,0	0,5	2,0	R A06.R L A06.L
6,0	1,6	15,2	+	**A06.0160.15.01 AV R/L**	R AJPQ L AGG4	X800 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	6,2	2,95	18,0	1,0	4,0	R A06.R L A06.L
6,0	2,5	15,2	+	**A06.0250.15.01 AV R/L**	R AAE4 L AK4E	X800 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	6,2	2,95	18,0	1,5	6,0	R A06.R L A06.L

Order example: **A06.0100.15.01 AV R X800** (R = Right hand version, X800 = Grade)

Full Radius Face Grooving on Pivots

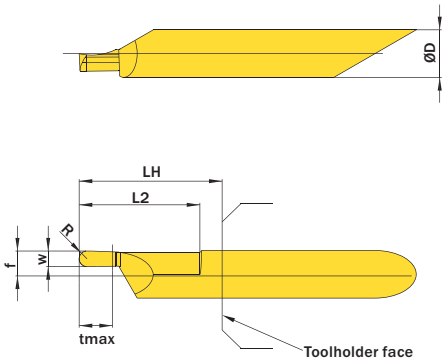
For use in bores as of minimum bore diameter 6,2 mm.

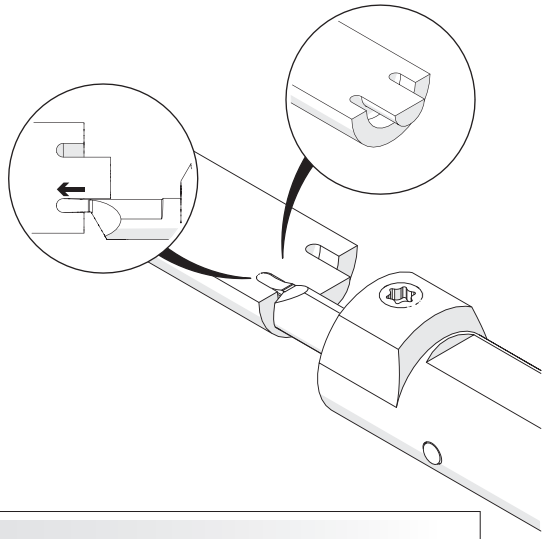
Cutting parameters (start)	
f **0,02 mm/U**	Vc **Page 133**

Suitable toolholders on page
16, 19, 25, 31, 34, 42, 43, 45, 47, 48, 49, 50, 52, 55, 56, 58, 59, 60, 61, 62, 64

SP HM | R | Legend **126**

Scan **QR-Code** | Or Visit **www.simtek.info/cp/803**





Drawing shows: A06.0200.15.02 AV R

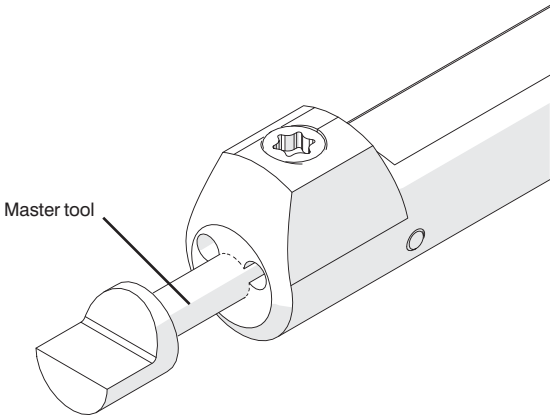
Additional information about through coolant supply on page 9

ØD	w +0,05	L2	Through coolant supply	Part number	Webcode www.simtek.com/webcode				Our first choice		ØDmin (min. bore)	f	LH	R	tmax	Connectcode www.simtek.com/ccode	
									P	K M N S							
mm	mm	mm									mm	mm	mm	mm	mm		
6,0	1,0	15,2	+	**A06.0100.15.02 AV R/L**	R AJSD	L AFPJ			X800	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	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	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	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	6,2	2,95	18,0	1,5	6,0	R A06.L	L A06.R

Order example: **A06.0100.15.02 AV R X800** (R = Right hand version, X800 = Grade)

Additional information

MASTER



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.

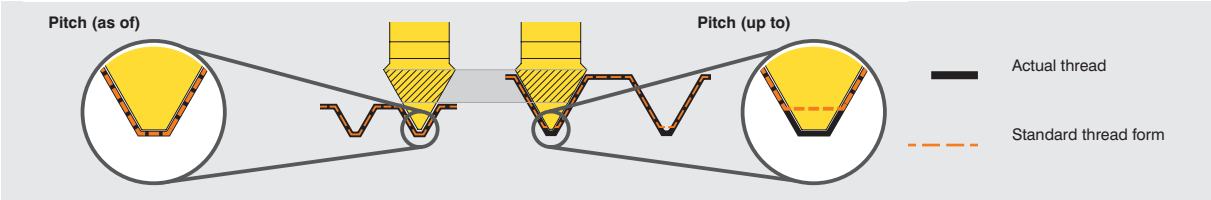
Master tool	Webcode	For toolholder
A04.MASTER GF25	ATWE	A04...
A05.MASTER GF25	ATWF	A05...
A06.MASTER GF25	ATWG	A06...
A07.MASTER GF25	ATWH	A07...
A08.MASTER GF25	AVJJ	A08...
A10.MASTER GF25	AVJH	A10...

T01

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.



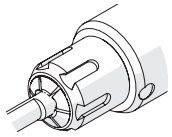
Example

Additional information

T02

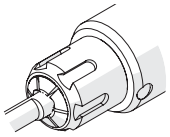
Alternative screw nut

A04... ME ST T
A05... ST



A00.K.93.12.12
Ø D1 = 12,0 mm // 0,472“

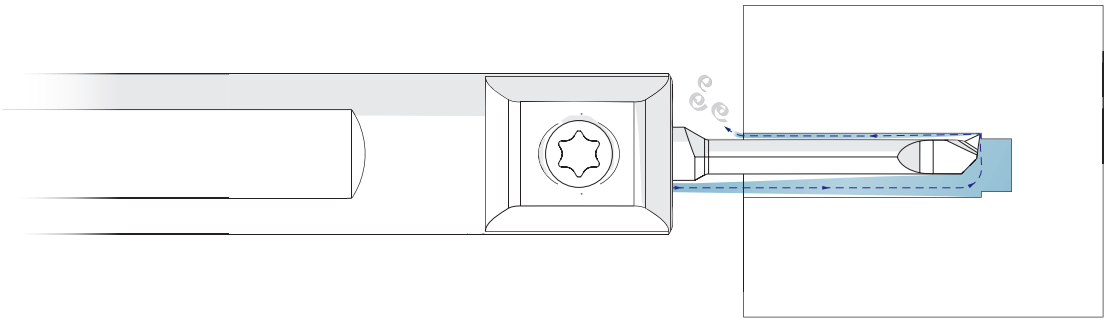
A06... ME ST T
A07... ST



A00.K.113.15.14
Ø D1 = 14,0 mm // 0,551“

Alternative screw nuts for optimized performance when space in bores is restricted.

Hint



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.

Legend

SP CBN **CBN insert**

SP HM **Carbide insert**

TW HM **Carbide toolholder**

TW ST **Steel toolholder**

ME **ME-clamping system**

R **Right hand version shown, left hand version inversely**

Through coolant

Anti-vibration

simturn AX Product list

Part Nr.	P
A04.0.375.15 L	54
A04.0.375.15 R	54
A04.0.500	13
A04.0.500 T	23
A04.0.500.12.42.ME HM T	30
A04.0.500.15 L	54
A04.0.500.15 R	54
A04.0.500.ME IC	14
A04.0.500.ME STT	32
A04.0.500.NC L	20
A04.0.500.NC R	20
A04.0.500.S	51
A04.0.625	13
A04.0.625 T	23
A04.0.625.ME IC	14
A04.0.625.ME STT	32
A04.0.625.NC L	20
A04.0.625.NC R	20
A04.0.625.S	51
A04.0.750	13
A04.0.750 T	23
A04.0.750.0140.A06	56
A04.0.750.C L	49
A04.0.750.C R	49
A04.0.750.ME STT	32
A04.0.750.NC L	20
A04.0.750.NC R	20
A04.0.750.S	51
A04.0010	13
A04.0010 L	21
A04.0010 R	21
A04.0010 T	21
A04.0010.C R	48
A04.0010.NC L	20
A04.0010.NC R	20
A04.0012	13
A04.0012 T	23
A04.0012.10.42.ME HM L	29
A04.0012.10.42.ME HM R	29
A04.0012.12.42.ME HM T	30
A04.0012.C L	48
A04.0012.C R	48
A04.0012.ME IC	14
A04.0012.ME STT	32
A04.0012.NC L	20
A04.0012.NC R	20
A04.0016	13
A04.0016 T	23
A04.0016.05 B ST	-
A04.0016.06 B ST	59
A04.0016.C L	48
A04.0016.C R	48
A04.0016.ME IC	14
A04.0016.ME STT	32
A04.0016.NC L	20
A04.0016.NC R	20
A04.0020	13
A04.0020 T	23
A04.0020.0140.A04	56
A04.0020.0140.A05	56
A04.0020.0140.A06	56
A04.0020.10.42.15 YEL	79
A04.0020.10.42.15 YER	79
A04.0020.15.42.15 YEL	79
A04.0020.15.42.15 YER	79
A04.0020.15.42.40 YER	79

Part Nr.	P
A04.0020.153.C L	49
A04.0020.153.C R	49
A04.0020.20.42.15 YEL	79
A04.0020.20.42.15 YER	79
A04.0020.25.42.15 YEL	79
A04.0020.25.42.15 YER	79
A04.0020.C L	49
A04.0020.C R	49
A04.0020.ME IC	14
A04.0020.ME STT	32
A04.0020.NC L	20
A04.0020.NC R	20
A04.0022	13
A04.0022 T	23
A04.0022.0140.A04	56
A04.0022.0140.A06	56
A04.0022.C L	49
A04.0022.C R	49
A04.0022.ME IC	14
A04.0022.ME STT	32
A04.0022.NC L	20
A04.0022.NC R	20
A04.0023	13
A04.0023.ME STT	32
A04.0025	13
A04.0025 L	-
A04.0025 T	23
A04.0025.0140.A06	56
A04.0025.ME IC	14
A04.0025.ME STT	32
A04.0028	19
A04.0028.0140.A06	56
A04.0050.06.20 GL	95
A04.0050.06.20 GR	95
A04.0050.09.20 GL	95
A04.0050.09.20 GR	95
A04.0050.12.20 GL	95
A04.0050.12.20 GR	95
A04.0070.08.30 GL	95
A04.0070.08.30 GR	95
A04.0070.12.30 GL	95
A04.0070.12.30 GR	95
A04.0070.16.30 GL	95
A04.0070.16.30 GR	95
A04.0078.10.42 GL	95
A04.0078.10.42 GR	95
A04.0078.15.42 GL	95
A04.0078.15.42 GR	95
A04.0078.20.42 GL	95
A04.0078.20.42 GR	95
A04.0078.25.42 GL	95
A04.0078.25.42 GR	95
A04.00C3.00.ME T	42
A04.00C3.05	57
A04.00C4.00.ME T	42
A04.00C4.05	57
A04.00C5.06	57
A04.0100.10.37 PL	107
A04.0100.10.37 PR	107
A04.0100.10.42 GL	95
A04.0100.10.42 GR	95
A04.0100.15.37 PL	107
A04.0100.15.37 PR	107
A04.0100.15.42 GL	95
A04.0100.15.42 GR	95
A04.0100.15.42 VL	106

Part Nr.	P
A04.0100.15.42 VR	106
A04.0100.20.42 GL	95
A04.0100.20.42 GR	95
A04.0100.20.42 PL	107
A04.0100.20.42 PR	107
A04.0117.15.42 VL	106
A04.0117.15.42 VR	106
A04.0808.10 L	54
A04.0808.10 R	54
A04.0808.15 L	54
A04.0808.15 R	54
A04.0C12.10.27.15 YEL	79
A04.0C12.10.27.15 YER	79
A04.0C12.15.27.15 YEL	79
A04.0C12.15.27.15 YER	79
A04.0C15.10.32.15 YEL	79
A04.0C15.10.32.15 YER	79
A04.0C15.15.32.15 YEL	79
A04.0C15.15.32.15 YER	79
A04.0C17.10.37.15 YEL	79
A04.0C17.10.37.15 YER	79
A04.0C17.15.37.15 YEL	79
A04.0C17.15.37.15 YER	79
A04.0C17.20.37.15 YEL	79
A04.0C17.20.37.15 YER	79
A04.1.000	13
A04.1.000.ME IC	14
A04.1.000.ME STT	32
A04.1.000.S	51
A04.1010	51
A04.1010.10 L	54
A04.1010.10 R	54
A04.1010.15 L	54
A04.1010.15 R	54
A04.1212	51
A04.1212.10 L	54
A04.1212.10 R	54
A04.1212.15 L	54
A04.1212.15 R	54
A04.1212.G.080 L	50
A04.1212.G.080 R	50
A04.1616	51
A04.1616.15 L	54
A04.1616.15 R	54
A04.1616.G.100 L	50
A04.1616.G.100 R	50
A04.1804.04.10.05 YL	67
A04.1804.04.10.05 YR	67
A04.1804.04.10.10 YL	67
A04.1804.04.10.10 YR	67
A04.1804.06.10.05 YL	67
A04.1804.06.10.05 YR	67
A04.1804.06.10.10 YL	67
A04.1804.06.10.10 YR	67
A04.1804.08.10.10 YL	67
A04.1804.08.10.10 YR	67
A04.1807.06.17.05 YL	68
A04.1807.06.17.05 YR	68
A04.1807.06.17.10 YL	68
A04.1807.06.17.10 YR	68
A04.1807.06.17.10 YUL	83
A04.1807.06.17.10 YUR	83
A04.1807.09.17.05 YL	68
A04.1807.09.17.05 YR	68
A04.1807.09.17.10 YL	68
A04.1807.09.17.10 YR	68

Part Nr.	P
A04.1810.06.22.05 YL	69
A04.1810.06.22.05 YR	69
A04.1810.06.22.10 YL	69
A04.1810.06.22.10 YR	69
A04.1810.09.22.05 YL	69
A04.1810.09.22.05 YR	69
A04.1810.09.22.10 YL	69
A04.1810.09.22.10 YR	69
A04.1810.09.22.10 YUL	83
A04.1810.09.22.10 YUR	83
A04.1810.13.22.10 YL	69
A04.1810.13.22.10 YR	69
A04.1812.10.27.03 YL	69
A04.1812.10.27.03 YR	69
A04.1812.10.27.05 YL	69
A04.1812.10.27.05 YR	69
A04.1812.10.27.15 YL	69
A04.1812.10.27.15 YR	69
A04.1812.10.27.15 YUL	84
A04.1812.10.27.15 YUR	84
A04.1812.15.27.05 YL	69
A04.1812.15.27.05 YR	69
A04.1812.15.27.15 YL	69
A04.1812.15.27.15 YR	69
A04.1812.15.27.15 YUL	84
A04.1812.15.27.15 YUR	84
A04.1814.20.30.15 YL	70
A04.1814.20.30.15 YR	70
A04.1814.25.30.05 YL	70
A04.1814.25.30.05 YR	70
A04.1815.10.32.03 YL	70
A04.1815.10.32.03 YR	70
A04.1815.10.32.05 YL	70
A04.1815.10.32.05 YR	70
A04.1815.10.32.15 YL	70
A04.1815.10.32.15 YR	70
A04.1815.10.32.15 YUL	84
A04.1815.10.32.15 YUR	84
A04.1815.15.32.05 YL	70
A04.1815.15.32.05 YR	70
A04.1815.15.32.15 YL	70
A04.1815.15.32.15 YR	70
A04.1815.15.32.15 YUL	84
A04.1815.15.32.15 YUR	84
A04.1815.20.32.05 YL	70
A04.1815.20.32.05 YR	70
A04.1815.20.32.15 YL	70
A04.1815.20.32.15 YR	70
A04.1815.20.32.15 YUL	84
A04.1815.20.32.15 YUR	84
A04.1817.10.37.15 YL	71
A04.1817.10.37.15 YR	71
A04.1817.15.37.15 YL	71
A04.1817.15.37.15 YR	71
A04.1817.15.37.15 YUL	84
A04.1817.15.37.15 YUR	84
A04.1817.20.37.05 YL	71
A04.1817.20.37.05 YR	71
A04.1817.20.37.15 YL	71
A04.1817.20.37.15 YR	71
A04.1817.25.37.10 YL	71
A04.1817.25.37.10 YR	71
A04.1820.10.42.03 YL	72
A04.1820.10.42.03 YR	72
A04.1820.10.42.05 YL	72
A04.1820.10.42.05 YR	72

Part Nr.	P
A04.1820.10.42.15 YL	72
A04.1820.10.42.15 YR	72
A04.1820.10.42.15 YUL	85
A04.1820.10.42.15 YUR	85
A04.1820.15.42.03 YL	72
A04.1820.15.42.03 YR	72
A04.1820.15.42.05 YL	72
A04.1820.15.42.05 YR	72
A04.1820.15.42.15 YL	72
A04.1820.15.42.15 YR	72
A04.1820.15.42.15 YUL	85
A04.1820.15.42.15 YUR	85
A04.1820.20.42.03 YL	72
A04.1820.20.42.03 YR	72
A04.1820.20.42.05 YL	72
A04.1820.20.42.05 YR	72
A04.1820.20.42.15 YL	72
A04.1820.20.42.15 YR	72
A04.1820.20.42.15 YUL	85
A04.1820.20.42.15 YUR	85
A04.1820.25.42.05 YL	72
A04.1820.25.42.05 YR	72
A04.1820.25.42.15 YL	72
A04.1820.25.42.15 YR	72
A04.1820.25.42.15 YUL	85
A04.1820.25.42.15 YUR	85
A04.1820.30.42.05 YL	72
A04.1820.30.42.05 YR	72
A04.1820.35.42.05 YR	72
A04.1C04.04.10.05 YL	67
A04.1C04.04.10.05 YR	67
A04.1C04.04.10.10 YL	67
A04.1C04.04.10.10 YR	67
A04.1C04.04.10.10 YUL	83
A04.1C04.04.10.10 YUR	83
A04.1C04.06.10.05 YL	67
A04.1C04.06.10.05 YR	67
A04.1C04.06.10.10 YL	67
A04.1C04.06.10.10 YR	67
A04.1C04.06.10.10 YUL	83
A04.1C04.06.10.10 YUR	83
A04.1C04.08.10.10 YL	67
A04.1C04.08.10.10 YR	67
A04.1C04.08.10.10 YUL	83
A04.1C04.08.10.10 YUR	83
A04.1C05.04.12.10 YL	67
A04.1C05.04.12.10 YR	67
A04.1C05.04.12.10 YUL	83
A04.1C05.04.12.10 YUR	83
A04.1C05.07.12.10 YL	67
A04.1C05.07.12.10 YR	67
A04.1C05.07.12.10 YUL	83
A04.1C05.07.12.10 YUR	83
A04.1C05.09.12.10 YL	67
A04.1C05.09.12.10 YR	67
A04.1C05.09.12.10 YUL	83
A04.1C05.09.12.10 YUR	83
A04.1C06.06.14.10 YL	67
A04.1C06.06.14.10 YR	67
A04.1C06.06.14.10 YUL	83
A04.1C06.06.14.10 YUR	83
A04.1C06.10.14.10 YL	67
A04.1C06.10.14.10 YR	67
A04.1C06.10.14.10 YUL	83
A04.1C06.10.14.10 YUR	83
A04.1C07.06.17.05 YL	68

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Part Nr.	P
A04.1C07.06.17.10 YL	68
A04.1C07.06.17.10 YR	68
A04.1C07.06.17.10 YUL	83
A04.1C07.06.17.10 YUR	83
A04.1C07.09.17.05 YL	68
A04.1C07.09.17.05 YR	68
A04.1C07.09.17.10 YL	68
A04.1C07.09.17.10 YR	68
A04.1C07.09.17.10 YUL	83
A04.1C07.09.17.10 YUR	83
A04.1C07.12.17.10 YR	68
A04.1C08.09.19.10 YL	68
A04.1C08.09.19.10 YR	68
A04.1C08.09.19.10 YUL	83
A04.1C08.09.19.10 YUR	83
A04.1C08.12.19.10 YL	68
A04.1C08.12.19.10 YR	68
A04.1C08.12.19.10 YUL	83
A04.1C08.12.19.10 YUR	83
A04.1C08.13.19.10 YR	68
A04.1C10.06.22.05 YL	69
A04.1C10.06.22.05 YR	69
A04.1C10.06.22.10 YL	69
A04.1C10.06.22.10 YR	69
A04.1C10.06.22.10 YUL	83
A04.1C10.06.22.10 YUR	83
A04.1C10.09.22.05 YL	69
A04.1C10.09.22.05 YR	69
A04.1C10.09.22.10 YL	69
A04.1C10.09.22.10 YR	69
A04.1C10.09.22.10 YUL	83
A04.1C10.09.22.10 YUR	83
A04.1C10.13.22.10 YL	69
A04.1C10.13.22.10 YR	69
A04.1C10.13.22.10 YUL	83
A04.1C10.13.22.10 YUR	83
A04.1C10.15.22.10 YR	69
A04.1C12.10.27.03 YL	69
A04.1C12.10.27.03 YR	69
A04.1C12.10.27.05 YL	69
A04.1C12.10.27.05 YR	69
A04.1C12.10.27.15 YL	69
A04.1C12.10.27.15 YR	69
A04.1C12.10.27.15 YUL	84
A04.1C12.10.27.15 YUR	84
A04.1C12.15.27.05 YL	69
A04.1C12.15.27.05 YR	69
A04.1C12.15.27.15 YL	69
A04.1C12.15.27.15 YR	69
A04.1C12.15.27.15 YUL	84
A04.1C12.15.27.15 YUR	84
A04.1C12.20.27.15 YR	69
A04.1C14.15.30.15 YL	70
A04.1C14.15.30.15 YR	70
A04.1C14.15.30.15 YUL	84
A04.1C14.15.30.15 YUR	84
A04.1C14.20.30.15 YL	70
A04.1C14.20.30.15 YR	70
A04.1C14.20.30.15 YUL	84
A04.1C14.20.30.15 YUR	84
A04.1C14.25.30.05 YL	70
A04.1C14.25.30.05 YR	70
A04.1C15.10.32.03 YL	70
A04.1C15.10.32.03 YR	70
A04.1C15.10.32.05 YL	70
A04.1C15.10.32.05 YR	70

Part Nr.	P
A04.1C15.10.32.15 YL	70
A04.1C15.10.32.15 YR	70
A04.1C15.10.32.15 YUL	84
A04.1C15.10.32.15 YUR	84
A04.1C15.15.32.05 YL	70
A04.1C15.15.32.05 YR	70
A04.1C15.15.32.15 YL	70
A04.1C15.15.32.15 YR	70
A04.1C15.15.32.15 YUL	84
A04.1C15.15.32.15 YUR	84
A04.1C15.20.32.05 YL	70
A04.1C15.20.32.05 YR	70
A04.1C15.20.32.15 YL	70
A04.1C15.20.32.15 YR	70
A04.1C15.20.32.15 YUL	84
A04.1C15.20.32.15 YUR	84
A04.1C15.25.32.15 YR	70
A04.1C17.10.37.15 YL	71
A04.1C17.10.37.15 YR	71
A04.1C17.10.37.15 YUL	84
A04.1C17.10.37.15 YUR	84
A04.1C17.15.37.15 YL	71
A04.1C17.15.37.15 YR	71
A04.1C17.15.37.15 YUL	84
A04.1C17.15.37.15 YUR	84
A04.1C17.20.37.05 YL	71
A04.1C17.20.37.05 YR	71
A04.1C17.20.37.15 YL	71
A04.1C17.20.37.15 YR	71
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A06.0.750.ME ST T	34
A06.0.750.S	52
A06.0012	16
A06.0012 L	-
A06.0012 R	-
A06.0012 T	25
A06.0012.ME IC	39
A06.0012.ME ST T	34
A06.0016	16
A06.0016 T	25
A06.0016.10 B ST	59
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Information About The Cutting Parameters

Cutting speed recommendation as of page 134

General information about the cutting parameters recommendations

The given cutting parameters for speed and feed rates are ment as initial start values and are estimated for standard application conditions.
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.

Example factors of influence and their effect on the cutting parameters

Reduce values	Increase values
Difficult machine and clamping conditions	Solid machine and clamping conditions
Difficult to machine materials	Easy to machine materials
Long tool reach (L2)	Small tool reach (L2)
No chip form geometry	With chip form geometry

List not complete

Suitability of cutting grades in relation to work piece hardness

Grade	Recommended up to approx.
X8*	HRC52
*T90 / *T91	HRC62
CBN	HRC65 (Depending on application)

Cutting Speed Recommendation

ISO-Group	Recommended Cutting Grade	Work piece material	Sub-group	Alternative cutting grade	Vc m/min (Start)
P	X800 X802 X804 X808	Steel, unalloyed	≤ 0,15 % C	X400 / X600	210
			0,15 - 0,4 % C	X400 / X600	190
			≥ 0,4 % C	X400 / X600	180
		Steel, low alloyed (alloying elements ≤ 5%)	Non-hardened	X400 / X600	170
			Hardened	X400 / X600	100
		Steel, high alloyed (Alloying elements > 5%)	Annealed	X400 / X600	110
			Hardened	X400 / X600	90
		Castings	Unalloyed	X400 / X600	150
			Low alloyed (Alloying elements ≤ 5%)	X400 / X600	120
			High alloyed (Alloying elements > 5%)	X400 / X600	90
M	X400 / X600 X402 / X602 X404 / X604 X408 / X608	Stainless Steel Ferritic/Martensitic	Non-hardened	*T41	150
			PH-hardened	*T41	110
			Hardened	*T41	110
		Stainless Steel Austenitic	Austenitic	*T41	140
			PH-hardened	*T41	100
			Super Austenitic	*T41	110
		Stainless Steel Austenitic-ferritic (Duplex)	Non-weldable ≥ 0,05 % C	*T41	120
			Weldable < 0,05 % C	*T41	100
		Stainless Steel (Cast) Ferritic/martensitic	Non-hardened	*T41	130
			PH-hardened	*T41	90
			Hardened	*T41	100
		Stainless Steel (Cast) Austenitic	Austenitic	*T41	130
			PH-gehärtet	*T41	90
		Stainless Steel (Cast) Austenitic-ferritic (Duplex)	Non-weldable ≥ 0,05 % C	*T41	110
			Weldable < 0,05 % C	*T41	90

Cutting Speed Recommendation

ISO-Group	Recommended Cutting Grade	Work piece material	Sub-group	Alternative cutting grade	Vc m/min (Start)
K	X800 X802 X804 X808	Malleable	Ferritic (short chipping)	*T57	180
			Pearlitic (long chipping)	*T57	150
		Grey Cast Iron	Low tensile strength	*T57	200
			High tensile strength	*T57	150
		Spheroidal Graphite cast iron	Ferritic	*T57	120
			Pearlitic	*T57	110
			Martensitic	*T57	110
N	X400 / X600 X402 / X602 X404 / X604 X408 / X608	Aluminium alloys, Whrought	Can not be hardened	*F25	590
			Can be hardened, hardened	*F25	530
		Aluminium alloys, Cast	Can not be hardened	*F25	590
			Can be hardened, hardened	*F25	530
		Aluminium alloys, Cast	< 5 % Si	*F25	240
			5 - 12 % Si	*X17	240
			> 12 % Si	PKD[1]	180
		Copper- and Copper Alloys	Free Cutting Alloys, ≥1 % Pb	*F25	290
			Brass, leaded bronzes, ≤ 1 % Pb	*F25	290
			Bronze, lead-free copper incl. electrolytic copper	*F25	210

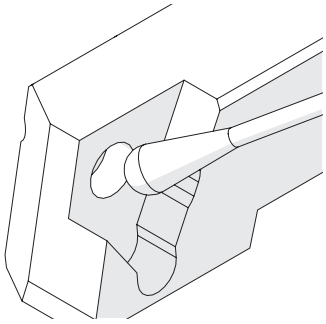
Cutting Speed Recommendation

ISO-Group	Recommended Cutting Grade	Work piece material	Sub-group	Alternative cutting grade	Vc m/min (Start)
S	X400 / X600 X402 / X602 X404 / X604 X408 / X608	Heat-resistant super alloys Fe-based	Annealed or solution treated	*X79	40
			Aged or solution treated and aged	*X79	30
		Heat-resistant super alloys Ni-based	Annealed or solution treated	*X79	40
			Aged or solution treated and aged	*X79	20
			Cast or Cast and aged	*X79	30
		Heat-resistant super alloys Co-based	Annealed or solution treated	*X79	10
			Solution treated and aged	*X79	10
			Cast or Cast and aged	*X79	10
		Titanium Alloys	Commercial pure (99,5 % Ti)	*X79	80
			α, near α and α + β alloys, annealed	*X79	40
			α+β Alloys in aged conditions as well as β alloys. Annealed or aged.	*X79	40
H	CBN[1]	Hardened steel		*T91	50
		Chilled cast iron, cast or cast and aged		*T91	90

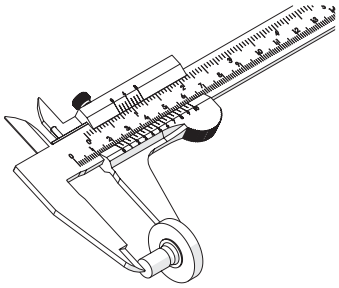
1) For best results, a special cutting edge geometry is recommended here.
Please contact our tecnical support +1 862 757 8130 oder usa@simtek.com.

(2) Recommendation depends on the chosen cutting inserts. Please look at the cutting grade recommendations on the catalog page of the cutting insert.

General Instructions For Use



Please clean insert seat well before mounting and use.



Please control your work pieces frequently.

We recommend the use of tool presetting and measuring devices.