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This PDF is part of the new SIMTEK main catalog R15 with 672 pages. The following link leads to complete the main catalog.

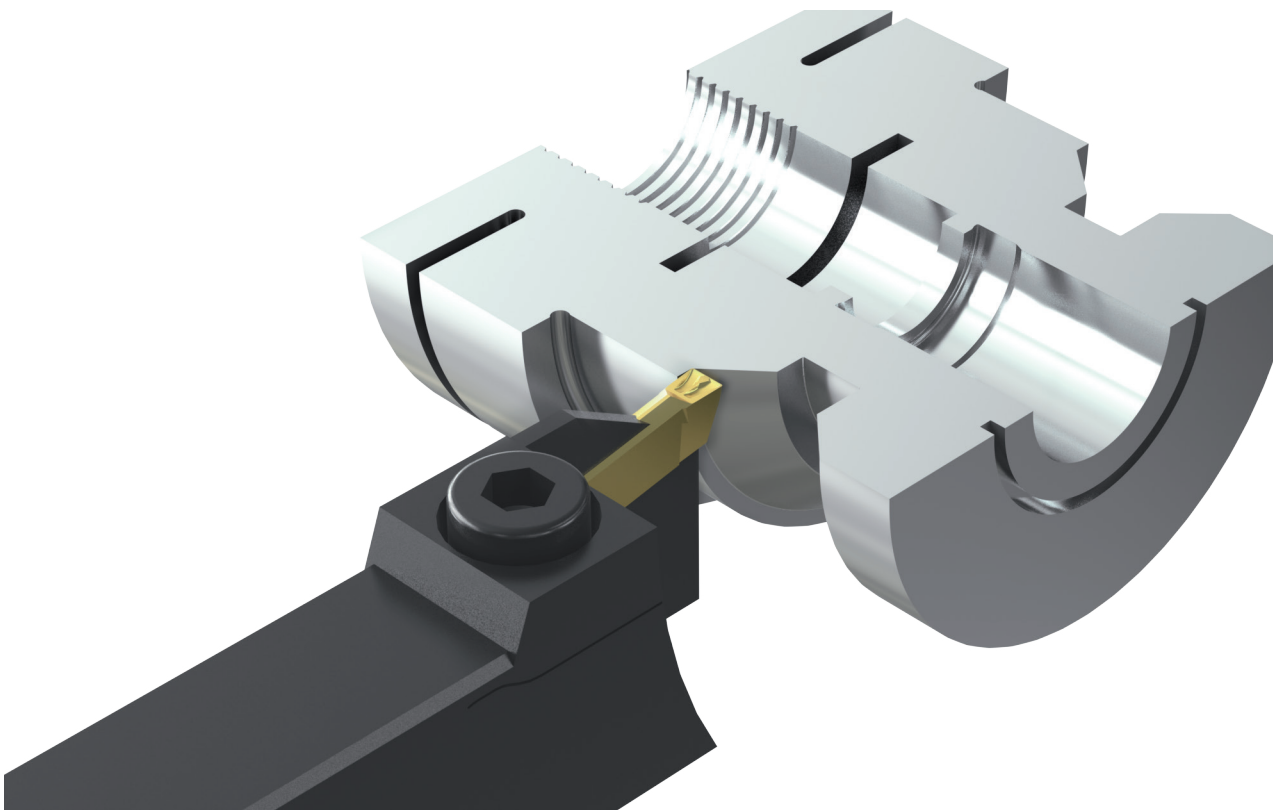


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Das Werkzeugsystem im Überblick The Tool System Overview

Für höhere Stechtiefen.
For higher cutting depths.



Werkzeugsystem bestehend aus zweischneidiger Hartmetall-Wendeschneidplatte und stabilen Trägerwerkzeugen.

26,0 mm mögliche Stechtiefe bei der Außenbearbeitung.
Innenbearbeitung ab \varnothing 38,0 mm.

Verschiedene geschliffene und gesinterte Spanformgeometrien verfügbar.

Tool system of double-edged indexable carbide cutting insert and strong toolholders for demanding applications.

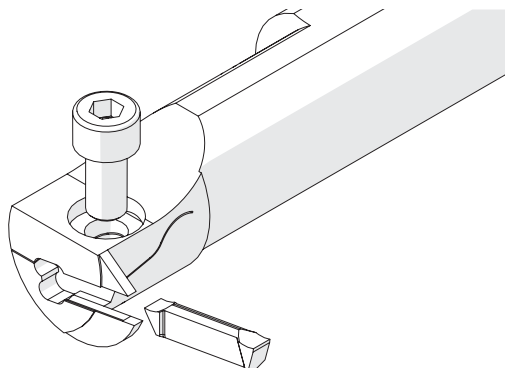
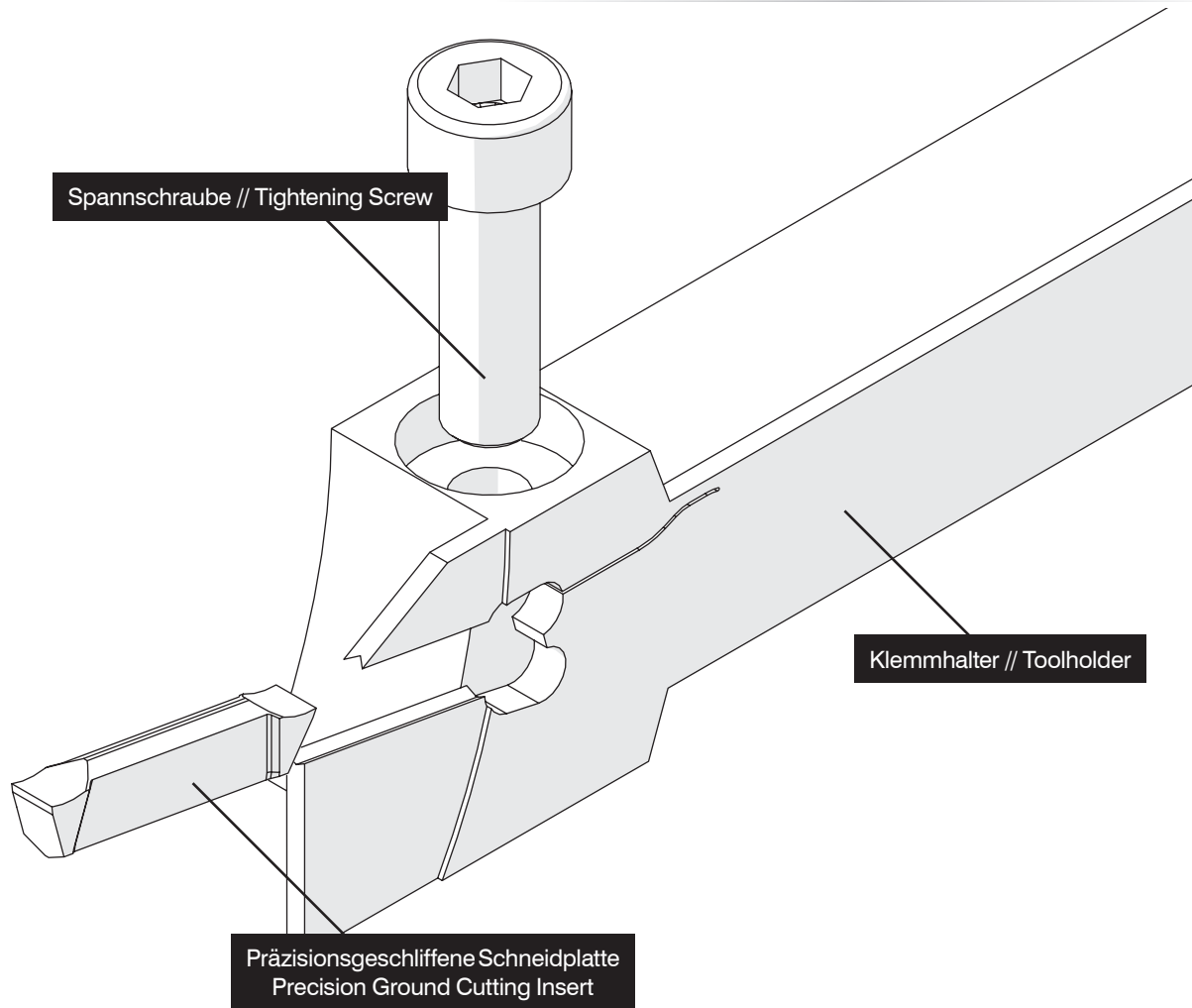
Possible depths of cut up to 26,0 mm for external applications. Internal Applications as of 38,0 mm.

Different ground and sintered Cutting Edge Geometries available.

Das System im Detail The System Details

Bitte beachten Sie die allgemeinen Gebrauchshinweise auf Seite
Please read the General Instructions for use on Page

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**Verfügbar für die Innen- und Außenbearbeitung
Available for internal and external Applications**

Innen // Internal

Ab Bohrungsdurchmesser 38,0 mm
As of bore diameter 38,0 mm

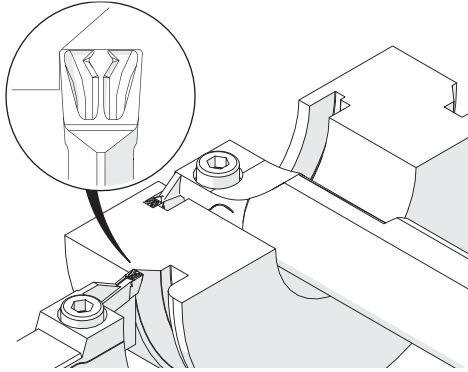
Außen // External

Maximale Stechtiefe 26,0 mm
Maximum Cutting Depth 26,0 mm

Standardanwendungen Standard Applications

Ab Seite
 As of Page

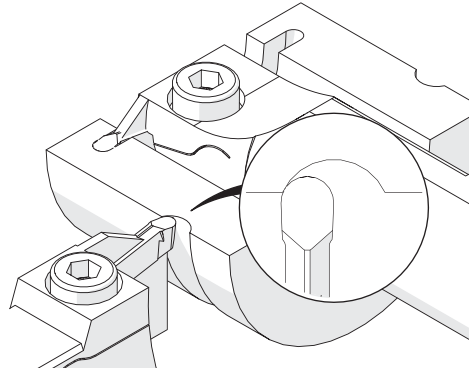
247



Einstecken und Profildrehen
 Grooving and Profiling

Seite
 Page

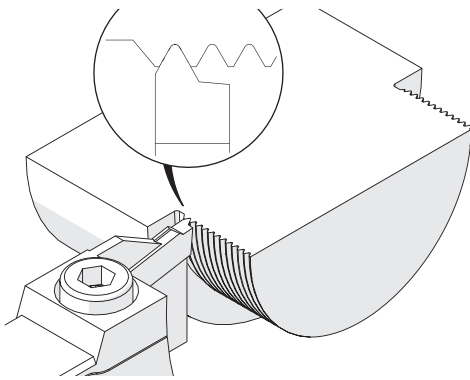
251



Einstecken und Profildrehen, Vollradius
 Grooving and Profiling, Full Radius

Seite
 Page

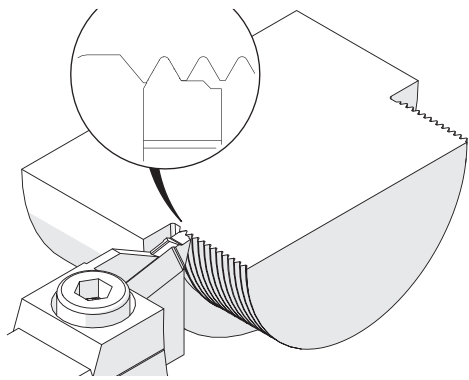
252



Gewinden: Metrisch ISO, außen, Teilprofil
 Threading: Metric ISO, external, Partial Profile

Seite
 Page

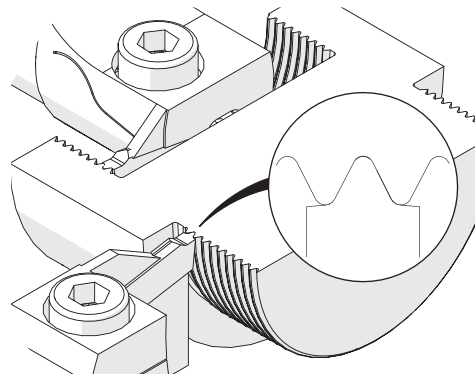
253



Gewinden: Metrisch ISO, außen, Vollprofil
 Threading: Metric ISO, external, Full Profile

Seite
 Page

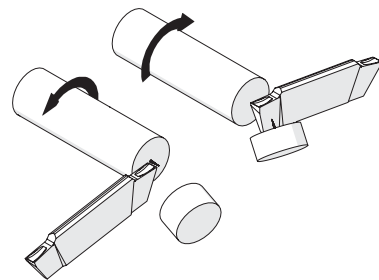
254



Gewinden: Whitworth, Vollprofil
 Threading: Whitworth, Full Profile

Seite
 Page

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Abstechen
 Part-Off

simturn® AX

simturn® DX

simturn® H2

simturn® K2

simturn® C4

simturn® GX

simturn® E3

simturn® E12

simturn® FX

simturn®
 Decolletage

simturn® OA

Anhang
 Appendix

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Klemmhalter, Außen, Mittlere Stechtiefen

Einstechdrehen und Längsdrehen außen.
 Ausgewogene Balance zwischen Stechtiefe und Stabilität.

Toolholder, External, Regular Cutting Depths

External Grooving and Turning.
 Well-balanced ratio of cutting depth and stability.

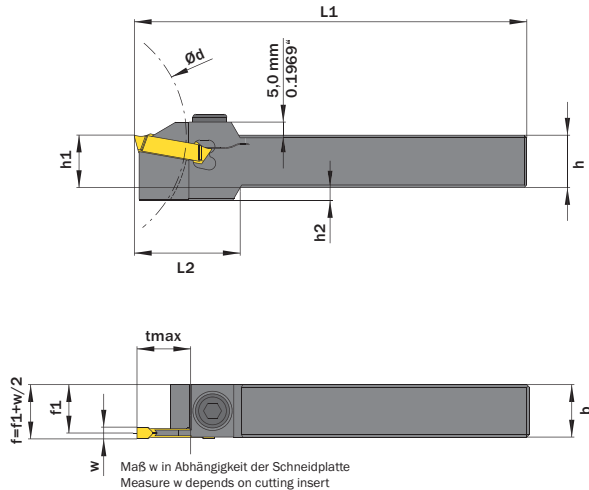
Anzugsmoment (Schraube) // Tightening Torque (Screw)

12,0 Nm

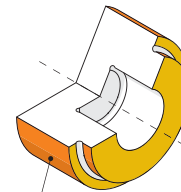


Legende
 Legend 257

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tmax in Abhängigkeit vom Werkstückdurchmesser (Ød) tmax depends on Workpiece diameter (Ød)	tmax bei / for Schaft bis 25,0 mm Shank up to 0.9843"	tmax bei / for Schaft 32,0 mm Shank 1.2598"
Bis Ø63,0 mm / up to Ø2.4803"	20,0 mm / 0.7874"	20,0 mm / 0.7874"
Bis Ø100,0 mm / up to Ø3.9370"	20,0 mm / 0.7874"	20,0 mm / 0.7874"
Bis Ø160,0 mm / up to Ø6.2992"	18,6 mm / 0.7323"	17,4 mm / 0.6850"
Bis Ø250,0 mm / up to Ø9.8425"	17,1 mm / 0.6732"	14,9 mm / 0.5866"
Bis Ø400,0 mm / up to Ø15.7480"	16,1 mm / 0.6339"	13,3 mm / 0.5236"



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

Abbildung zeigt / Drawing shows: G18.2020.03 R

h	b	w ≥	w ≤	Artikelnummer Part number	Webcode www.simtek.eu/webcode	f1	h1 ^{s14}	h2	L1	L2	tmax	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/code
▼ Connectcode = G29.02														
15,875	15,875	2,0	2,9	G18.0.625.02 R/L	R AAS0 L AJ1G	14,875	15,875	9,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.02
25,4	25,4	2,0	2,9	G18.1.000.02 R/L	R AWCN L AWCN	24,4	25,4	-	150,0	-	20,0	G M8x25 SW6	SW6	G29.02
16,0	16,0	2,0	2,9	G18.1616.02 R/L	R APV6 L AN1Q	15,0	16,0	9,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.02
20,0	20,0	2,0	2,9	G18.2020.02 R/L	R AJX8 L ADGW	19,0	20,0	5,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.02
25,0	25,0	2,0	2,9	G18.2525.02 R/L	R AK6D L AEY4	24,0	25,0	-	150,0	-	20,0	G M8x25 SW6	SW6	G29.02
▼ Connectcode = G29.03														
15,875	15,875	3,0	4,0	G18.0.625.03 R/L	R ADD3 L AAVX	14,325	15,875	9,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.03
19,05	19,05	3,0	4,0	G18.0.750.03 R/L	R ADZB L AJQY	17,55	19,05	6,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.03
25,4	25,4	3,0	4,0	G18.1.000.03 R/L	R AG8W L AKK8	23,9	25,4	-	150,0	-	20,0	G M8x25 SW6	SW6	G29.03
16,0	16,0	3,0	4,0	G18.1616.03 R/L	R AJW3 L AMND	14,5	16,0	9,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.03
20,0	20,0	3,0	4,0	G18.2020.03 R/L	R AN7Y L AF13	18,5	20,0	5,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.03
25,0	25,0	3,0	4,0	G18.2525.03 R/L	R AE4N L ABPE	23,5	25,0	-	150,0	-	20,0	G M8x25 SW6	SW6	G29.03
32,0	25,0	3,0	4,0	G18.3225.03 R/L	R AJTX L AB4U	23,5	32,0	-	170,0	-	20,0	G M8x25 SW6	SW6	G29.03
▼ Connectcode = G29.04														
19,05	19,05	4,0	5,1	G18.0.750.04 R/L	R AWCH L AWCN	17,05	19,05	6,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.04
25,4	25,4	4,0	5,1	G18.1.000.04 R/L	R AWCQ L AWCN	23,4	25,4	-	150,0	-	20,0	G M8x25 SW6	SW6	G29.04
20,0	20,0	4,0	5,1	G18.2020.04 R/L	R AFMZ L ADK3	18,0	20,0	5,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.04
25,0	25,0	4,0	5,1	G18.2525.04 R/L	R AM24 L ANPK	23,0	25,0	-	150,0	-	20,0	G M8x25 SW6	SW6	G29.04
32,0	25,0	4,0	5,1	G18.3225.04 R/L	R AH22 L AKK5	23,0	32,0	-	170,0	-	20,0	G M8x25 SW6	SW6	G29.04
▼ Connectcode = G29.06														
19,05	19,05	5,2	6,0	G18.0.750.06 R/L	R AWCK L AWCJ	16,05	19,05	6,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.06
25,4	25,4	5,2	6,0	G18.1.000.06 R/L	R AWCT L AWCN	22,4	25,4	-	150,0	-	20,0	G M8x25 SW6	SW6	G29.06
20,0	20,0	5,2	6,0	G18.2020.06 R/L	R ACNE L ACEA	17,0	20,0	5,0	125,0	40,0	20,0	G M8x25 SW6	SW6	G29.06
25,0	25,0	5,2	6,0	G18.2525.06 R/L	R ABN5 L ADJG	22,0	25,0	-	150,0	-	20,0	G M8x25 SW6	SW6	G29.06
32,0	25,0	5,2	6,0	G18.3225.06 R/L	R AE9N L APHE	22,0	32,0	-	170,0	-	20,0	G M8x25 SW6	SW6	G29.06

Bestellbeispiel // Order Example: G18.2525.03 R (R = Rechte Ausführung // Right Hand Version)

Kassette für Modulares Werkzeugsystem TOA

Geeignet für SIMTEK CAPTO™ TOA-Grundhalter.

Cassette for Modular Tool System TOA

For use on SIMTEK CAPTO™ TOA-Base Toolholder.

Anzugsmoment (Schraube) // Tightening Torque (Screw)

7,0 Nm



Legende 257

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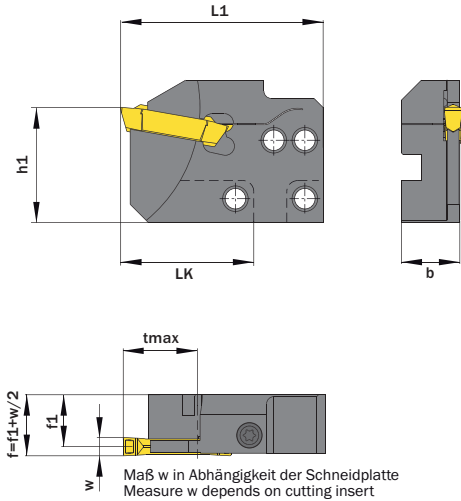
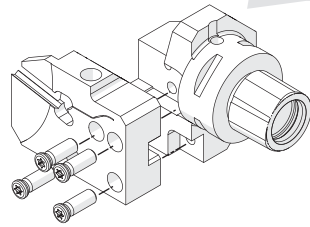
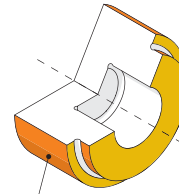


Abbildung zeigt / Drawing shows: TOA.G18.V1.04 R

Grundhalter finden Sie ab Seite 373
 Base Toolholder can be found on page 373



Schrauben für Kassettenbefestigung
 Screw for Cassette mounting
T M5x15 T20R



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

w ≥	w ≤	Artikelnummer Part number	Webcode www.simtek.eu/webcode	b	f1	h1	LK	L1	tmax	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/code
mm	mm			mm	mm	mm	mm	mm	mm			
▼ Connectcode = G29.02												
2,0	2,9	TOA.G18.V1.02 R/L	R AXZ5 L AXZ6	16,0	15,05	31,6	36,0	55,0	20,0	G M5x15 T20R	T20R	G29.02
▼ Connectcode = G29.03												
3,0	4,0	TOA.G18.V1.03 R/L	R AHE0 L AS7T	16,0	14,7	31,65	36,0	55,0	20,0	G M5x15 T20R	T20R	G29.03
▼ Connectcode = G29.04												
4,0	5,1	TOA.G18.V1.04 R/L	R ADA9 L AP18	16,0	14,2	31,65	36,0	55,0	20,0	G M5x15 T20R	T20R	G29.04
▼ Connectcode = G29.06												
5,2	6,0	TOA.G18.V1.06 R/L	R AEBE L AMVM	16,0	13,25	31,65	36,0	55,0	20,0	G M5x15 T20R	T20R	G29.06

Bestellbeispiel // Order Example: **TOA.G18.V1.03 R** (R = Rechte Ausführung // Right Hand Version)

Technische Änderungen vorbehalten
 Technical changes reserved

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 simturn® DX
 simturn® H2
 simturn® H2
 simturn® K2
 simturn® C4
 simturn® GX
 simturn® E3
 simturn® E12
 simturn® FX
 simturn® Decolletage
 simturn® OA
 Anhang
 Appendix

Klemmhalter, Außen, Maximale Stechtiefen

Einstechdrehen außen. Für maximale Stechtiefen.

Toolholder, External, Maximum Cutting Depths

External Grooving. Maximum depth of cut.

Anzugsmoment (Schraube) // Tightening Torque (Screw)

12,0 Nm



TW
ST

R

Legende
Legend **257**



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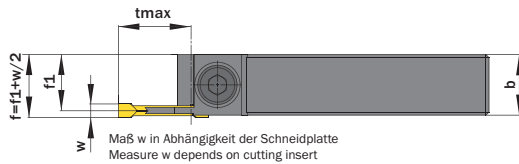
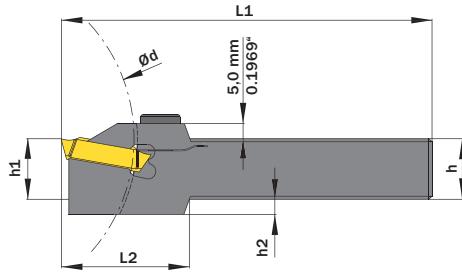
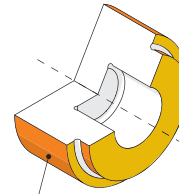


Abbildung zeigt / Drawing shows: G26.2020.03 R

Werkstückdurchmesser (Ød) tmax depends from Workpiece diameter (Ød)	tmax bei / for Schaft bis 25,0 mm Shank up to 0.9843"	tmax bei / for Schaft 32,0 mm Shank 1.2598"
Bis Ø63,0 mm / up to Ø2.4803"	26,0 mm / 1.0236"	26,0 mm / 1.0236"
Bis Ø100,0 mm / up to Ø3.9370"	20,4 mm / 0.8031"	11,7 mm / 0.4606"
Bis Ø160,0 mm / up to Ø6.2992"	17,7 mm / 0.6969"	7,3 mm / 0.2874"
Bis Ø250,0 mm / up to Ø9.8425"	16,2 mm / 0.6378"	5,0 mm / 0.1969"
Bis Ø400,0 mm / up to Ø15.7480"	15,2 mm / 0.5984"	3,5 mm / 0.1378"



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

h	b	w ≥	w ≤	Artikelnummer Part number	Webcode www.simtek.eu/webcode	f1	h1 ^{js14}	h2	L1	L2	tmax	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/code	AKT UPD
mm	mm	mm	mm			mm	mm	mm	mm	mm	mm				
▼ Connectcode = G29.02															
16,0	16,0	2,0	2,9	G26.1616.02 R/L	R AFNJ L AG77	15,05	16,0	9,0	125,0	44,0	26,0	G M8x25 SW6	SW6	G29.02	AKT UPD
20,0	20,0	2,0	2,9	G26.2020.02 R/L	R APPM L AB6T	19,05	20,0	5,0	125,0	44,0	26,0	G M8x25 SW6	SW6	G29.02	AKT UPD
25,0	25,0	2,0	2,9	G26.2525.02 R/L	R AEN2 L AA9J	24,05	25,0	-	150,0	-	26,0	G M8x25 SW6	SW6	G29.02	
▼ Connectcode = G29.03															
16,0	16,0	3,0	4,0	G26.1616.03 R/L	R AMDX L AF5A	14,55	16,0	9,0	125,0	44,0	26,0	G M8x25 SW6	SW6	G29.03	AKT UPD
20,0	20,0	3,0	4,0	G26.2020.03 R/L	R AMUV L AAFZ	18,55	20,0	5,0	125,0	44,0	26,0	G M8x25 SW6	SW6	G29.03	AKT UPD
25,0	25,0	3,0	4,0	G26.2525.03 R/L	R AHT2 L ANWØ	23,55	25,0	-	150,0	-	26,0	G M8x25 SW6	SW6	G29.03	
32,0	25,0	3,0	4,0	G26.3225.03 R/L	R AKGD L ABNG	23,55	32,0	-	170,0	-	26,0	G M8x25 SW6	SW6	G29.03	
▼ Connectcode = G29.04															
20,0	20,0	4,0	5,1	G26.2020.04 R/L	R AF22 L AC73	17,7	20,0	5,0	125,0	44,0	26,0	G M8x25 SW6	SW6	G29.04	AKT UPD
25,0	25,0	4,0	5,1	G26.2525.04 R/L	R AHU2 L AB1C	22,7	25,0	-	150,0	-	26,0	G M8x25 SW6	SW6	G29.04	
32,0	25,0	4,0	5,1	G26.3225.04 R/L	R AH65 L AHXK	22,7	32,0	-	170,0	-	26,0	G M8x25 SW6	SW6	G29.04	
▼ Connectcode = G29.06															
25,0	25,0	5,2	6,0	G26.2525.06 R/L	R AAX3 L AC8S	22,0	25,0	-	150,0	-	26,0	G M8x25 SW6	SW6	G29.06	

Bestellbeispiel // Order Example: G26.2525.03 R (R = Rechte Ausführung // Right Hand Version)

Kassette für Modulares Werkzeugsystem TOA

Geeignet für SIMTEK CAPTO™ TOA-Grundhalter.

Cassette for Modular Tool System TOA

For use on SIMTEK CAPTO™ TOA-Base Toolholder.

Anzugsmoment (Schraube) // Tightening Torque (Screw)

7,0 Nm



Legende 257

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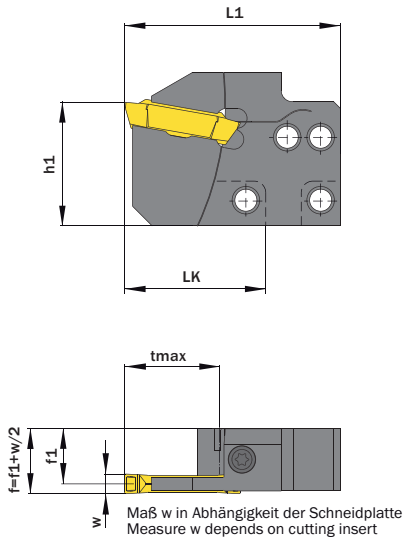
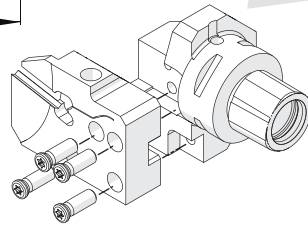


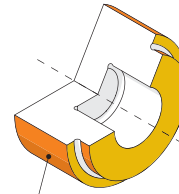
Abbildung zeigt / Drawing shows: TOA.G25.V1.04 R



Grundhalter finden Sie ab Seite 373
 Base Toolholder can be found on page 373



Schrauben für Kassettenbefestigung
 Screw for Cassette mounting
T M5x15 T20R



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

w ≥	w ≤	Artikelnummer Part number	Webcode www.simtek.eu/webcode	b	f1	h1	L1	tmax	LK	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/code	NEU NEW
mm	mm			mm	mm	mm	mm	mm	mm	mm			
4,0	5,1	TOA.G25.V1.04 R/L	R AG16 L AX7D	16,0	14,2	31,65	55,0	25,0	36,0	G M5x13 T20R	T20R	G29.04	

Bestellbeispiel // Order Example: **TOA.G25.V1.04 R** (R = Rechte Ausführung // Right Hand Version)

Technische Änderungen vorbehalten
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 simturn® K2
 simturn® C4
 simturn® C4
 simturn® GX
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 simturn® E3
 simturn® E12
 simturn® E12
 simturn® FX
 simturn® FX
 simturn® Decolletage
 simturn® Decolletage
 simturn® OA
 simturn® OA
 Anhang
 Appendix

Klemmhalter, Außen, Maximale Stechtiefen bei größeren Werkstückdurchmessern

Einstechdrehen außen. Für maximale Stechtiefen auch bei größeren Werkstückdurchmessern.

Toolholder, External, Maximum Cutting Depths on larger work pieces

External Grooving. Maximum depth of cut on larger work piece diameters.

Anzugsmoment (Schraube) // Tightening Torque (Screw)

12,0 Nm



Legende
 Legend 257

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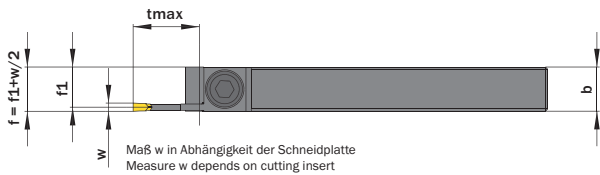
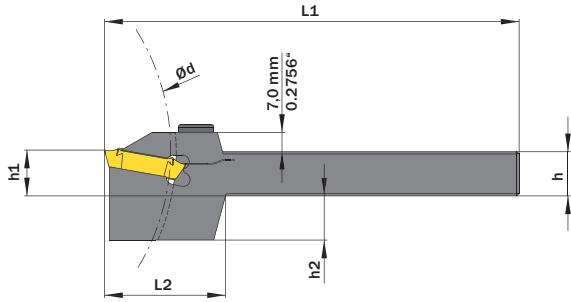
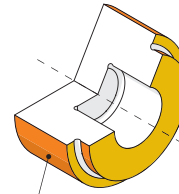


Abbildung zeigt / Drawing shows: G24.1616.03 R

Werkstückdurchmesser (Ød) tmax depends from Workpiece diameter (Ød)	tmax bei / for Schaft bis 25,0 mm Shank up to 0.9843"	tmax bei / for Schaft 32,0 mm Shank 1.2598"
Bis Ø63,0 mm / up to Ø2.4803"	25,0 mm / 0.9843"	25,0 mm / 0.9843"
Bis Ø100,0 mm / up to Ø3.9370"	25,0 mm / 0.9843"	25,0 mm / 0.9843"
Bis Ø160,0 mm / up to Ø6.2992"	24,7 mm / 0.9724"	24,5 mm / 0.9646"
Bis Ø250,0 mm / up to Ø9.8425"	23,2 mm / 0.9134"	22,0 mm / 0.8661"
Bis Ø400,0 mm / up to Ø15.7480"	22,3 mm / 0.8780"	20,4 mm / 0.8031"



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

h	b	w ≥	w ≤	Artikelnummer Part number	Webcode www.simtek.eu/webcode	f1	h1 ^{js14}	h2	L1	L2	tmax	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/code
mm	mm	mm	mm			mm	mm	mm	mm	mm	mm			
▼ Connectcode = G29.03														
16,0	16,0	3,0	4,0	G24.1616.03 R/L	R AHVW L AJMU	14,55	16,0	16,0	125,0	42,5	25,0	G M8x25 SW6	SW6	G29.03
20,0	20,0	3,0	4,0	G24.2020.03 R/L	R AAXQ L AFW5	18,55	20,0	12,0	125,0	42,5	25,0	G M8x25 SW6	SW6	G29.03
25,0	25,0	3,0	4,0	G24.2525.03 R/L	R AMNY L AD48	23,55	25,0	7,0	150,0	42,5	25,0	G M8x25 SW6	SW6	G29.03
32,0	25,0	3,0	4,0	G24.3225.03 R/L	R AMV8 L ADZG	23,55	32,0	-	170,0	-	25,0	G M8x25 SW6	SW6	G29.03
▼ Connectcode = G29.04														
16,0	16,0	4,0	5,1	G24.1616.04 R/L	R AHN5 L AJGS	13,7	16,0	16,0	125,0	42,5	25,0	G M8x25 SW6	SW6	G29.04
20,0	20,0	4,0	5,1	G24.2020.04 R/L	R APFE L ABPG	17,7	20,0	12,0	125,0	42,5	25,0	G M8x25 SW6	SW6	G29.04
25,0	25,0	4,0	5,1	G24.2525.04 R/L	R APWY L AAA1	22,7	25,0	7,0	150,0	42,5	25,0	G M8x25 SW6	SW6	G29.04
32,0	25,0	4,0	5,1	G24.3225.04 R/L	R AEPG L AD1M	22,7	32,0	-	170,0	-	25,0	G M8x25 SW6	SW6	G29.04

Bestellbeispiel // Order Example: **G24.2525.03 R** (R = Rechte Ausführung // Right Hand Version)

Klemmhalter, Außen, Höchste Stabilität

Einstechdrehen und Längsdrehen außen.
 Reduzierte Stechtiefe für höchste Stabilität.

Toolholder, External, Highest Stability

External Grooving and Turning.
 Reduced depth of cut for best stability.

Anzugsmoment (Schraube) // Tightening Torque (Screw)

12,0 Nm



TW
ST

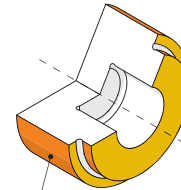
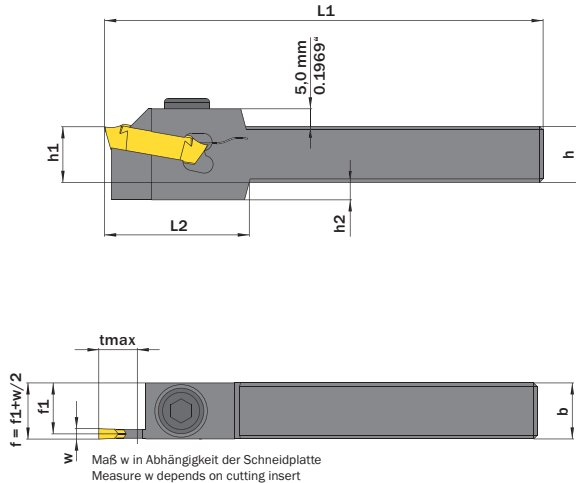
R

Legende
 Legend **257**



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

Abbildung zeigt / Drawing shows: G10.1616.03 R

h	b	w ≥	w ≤	Artikelnummer Part number	Webcode www.simtek.eu/webcode	f1	h1 ^{js14}	h2	L1	L2	tmax	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/code		
															mm	mm
▼ Connectcode = G29.02																
16,0	16,0	2,0	2,9	G10.1616.02 R/L	R AHUF L ADUC	14,55	16,0	9,0	125,0	35,0	11,0	G M8x25 SW6	SW6	G29.02	AKT	UPD
20,0	20,0	2,0	2,9	G10.2020.02 R/L	R AFA4 L AKB7	18,55	20,0	5,0	125,0	35,0	11,0	G M8x25 SW6	SW6	G29.02	AKT	UPD
25,0	25,0	2,0	2,9	G10.2525.02 R/L	R AF59 L AMG5	23,55	25,0	-	150,0	-	11,0	G M8x25 SW6	SW6	G29.02		
▼ Connectcode = G29.03																
16,0	16,0	3,0	4,0	G10.1616.03 R/L	R ABYD L AA1Q	14,55	16,0	9,0	125,0	35,0	11,0	G M8x25 SW6	SW6	G29.03	AKT	UPD
20,0	20,0	3,0	4,0	G10.2020.03 R/L	R AKKG L AMZF	18,55	20,0	5,0	125,0	35,0	11,0	G M8x25 SW6	SW6	G29.03	AKT	UPD
25,0	25,0	3,0	4,0	G10.2525.03 R/L	R AHY4 L AMWS	23,55	25,0	-	150,0	-	11,0	G M8x25 SW6	SW6	G29.03		
32,0	25,0	3,0	4,0	G10.3225.03 R/L	R AX4J L AX4H	23,55	32,0	-	170,0	-	11,0	G M8x25 SW6	SW6	G29.03	NEU	NEW
▼ Connectcode = G29.04																
16,0	16,0	4,0	5,1	G10.1616.04 R/L	R AB68 L AFUD	13,7	16,0	9,0	125,0	35,0	11,0	G M8x25 SW6	SW6	G29.04	AKT	UPD
20,0	20,0	4,0	5,1	G10.2020.04 R/L	R AG85 L AE7N	17,7	20,0	5,0	125,0	35,0	11,0	G M8x25 SW6	SW6	G29.04	AKT	UPD
25,0	25,0	4,0	5,1	G10.2525.04 R/L	R AJHC L ANMQ	22,7	25,0	-	150,0	-	11,0	G M8x25 SW6	SW6	G29.04		
32,0	25,0	4,0	5,1	G10.3225.04 R/L	R AX4K L AX4M	22,7	32,0	-	170,0	-	11,0	G M8x25 SW6	SW6	G29.04	NEU	NEW
▼ Connectcode = G29.06																
20,0	20,0	5,2	6,0	G10.2020.06 R/L	R ADHN L AA1K	16,85	20,0	5,0	125,0	35,0	11,0	G M8x25 SW6	SW6	G29.06	AKT	UPD
25,0	25,0	5,2	6,0	G10.2525.06 R/L	R ANQ7 L ACZC	21,85	25,0	-	150,0	-	11,0	G M8x25 SW6	SW6	G29.06		
32,0	25,0	5,2	6,0	G10.3225.06 R/L	R AX4P L AX4N	21,85	32,0	-	170,0	-	11,0	G M8x25 SW6	SW6	G29.06	NEU	NEW

Bestellbeispiel // Order Example: **G10.2525.02 R** (R = Rechte Ausführung // Right Hand Version)

simturn® AX
 simturn® DX
 simturn® H2
 simturn® H2
 simturn® K2
 simturn® C4
 simturn® CX
 simturn® E3
 simturn® E12
 simturn® FX
 simturn® Decolletage
 simturn® OA
 Anhang
 Appendix

Kassette für Modulares Werkzeugsystem TOA

Geeignet für SIMTEK CAPTO™ TOA-Grundhalter.

Cassette for Modular Tool System TOA

For use on SIMTEK CAPTO™ TOA-Base Toolholder.

Anzugsmoment (Schraube) // Tightening Torque (Screw)

7,0 Nm



Legende
 Legend 257



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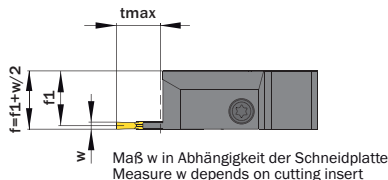
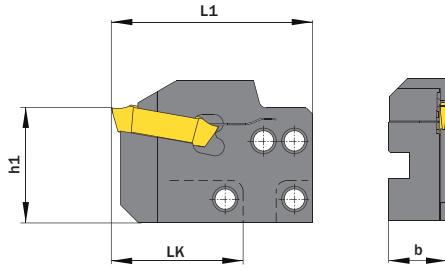
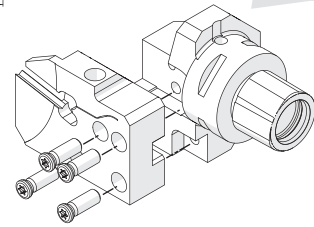


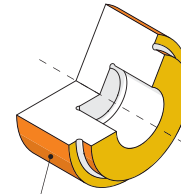
Abbildung zeigt / Drawing shows: TOA.G10.V1.02 R

Maß w in Abhängigkeit der Schneidplatte
 Measure w depends on cutting insert



Schrauben für Kassettenbefestigung
 Screw for Cassette mounting
T M5x15 T20R

Grundhalter finden Sie ab Seite 373
Base Toolholder can be found on page 373



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

w ≥	w ≤	Artikelnummer Part number	Webcode www.simtek.eu/webcode	b	f1	h1	LK	L1	tmax	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/code
mm	mm			mm	mm	mm	mm	mm	mm			
▼ Connectcode = G29.02												
2,0	2,9	TOA.G10.V1.02 R/L	R AVE7 L AVE8	16,0	15,05	31,6	36,0	55,0	11,0	G M5x15 T20R	T20R	G29.02
▼ Connectcode = G29.03												
3,0	4,0	TOA.G10.V1.03 R/L	R AVE9 L AVFA	16,0	14,7	31,6	36,0	55,0	11,0	G M5x15 T20R	T20R	G29.03
▼ Connectcode = G29.04												
4,0	5,1	TOA.G10.V1.04 R/L	R AVFD L AVFE	16,0	14,2	31,6	36,0	55,0	11,0	G M5x15 T20R	T20R	G29.04
▼ Connectcode = G29.06												
5,2	6,0	TOA.G10.V1.06 R/L	R AVFB L AVFC	16,0	13,25	31,6	36,0	55,0	11,0	G M5x15 T20R	T20R	G29.06

Bestellbeispiel // Order Example: **TOA.G10.V1.06 R** (R = Rechte Ausführung // Right Hand Version)

Technische Änderungen vorbehalten
 Technical changes reserved

Klemmhalter, Außen, Gekröpft

Einstechdrehen außen. 90° gekröpft Ausführung.

Toolholder, External, Cranked

External Grooving. 90° Version.

Anzugsmoment (Schraube) // Tightening Torque (Screw)

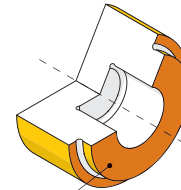
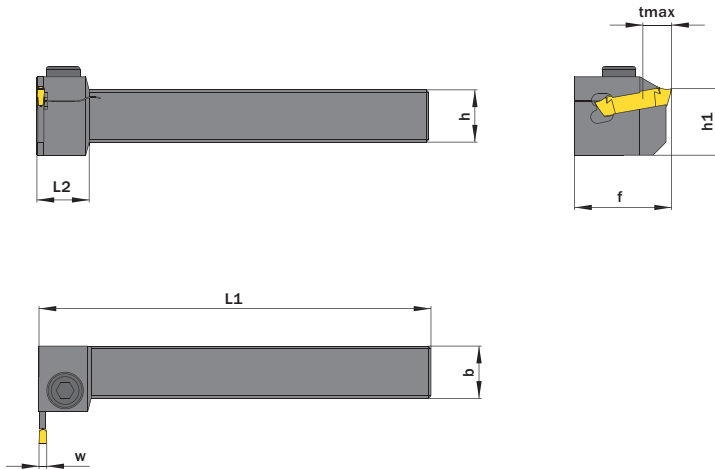
12,0 Nm



Legende
 Legend 257

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

Abbildung zeigt / Drawing shows: G19.2020.03 R

h	b	w ≥	w ≤	Artikelnummer Part number	Webcode www.simtek.eu/webcode	f	h1	L1	L2	tmax	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/code
mm	mm	mm	mm			mm	mm	mm	mm	mm			
▼ Connectcode = G29.03													
20,0	20,0	3,0	4,0	G19.2020.03 R/L	R AEYW L AP4K	37,0	25,0	125,0	20,0	11,0	G M8x25 SW6	SW6	G29.03
25,0	25,0	3,0	4,0	G19.2525.03 R/L	R APW8 L ABXK	37,0	25,0	150,0	20,0	11,0	G M8x25 SW6	SW6	G29.03
▼ Connectcode = G29.04													
20,0	20,0	4,0	5,0	G19.2020.04 R/L	R AMSP L ADJP	37,0	25,0	125,0	20,0	11,0	G M8x25 SW6	SW6	G29.04
25,0	25,0	4,0	5,0	G19.2525.04 R/L	R AD2P L AND1	37,0	25,0	150,0	20,0	11,0	G M8x25 SW6	SW6	G29.04
▼ Connectcode = G29.06													
20,0	20,0	5,2	6,0	G19.2020.06 R/L	R ATW9 L ATW8	45,0	25,0	125,0	20,0	15,0	G M8x25 SW6	SW6	G29.06
25,0	25,0	5,2	6,0	G19.2525.06 R/L	R ATW7 L ATW6	45,0	25,0	150,0	20,0	15,0	G M8x25 SW6	SW6	G29.06

Bestellbeispiel // Order Example: **G19.2525.04 R** (R = Rechte Ausführung // Right Hand Version)

simturn® AX
 simturn® DX
 simturn® H2
 simturn® K2
 simturn® C4
 simturn® GX
 simturn® E3
 simturn® E12
 simturn® FX
 simturn® Decolletage
 simturn® OA
 Anhang Appendix

Klemmhalter, Innen, Längsausführung

Einstechdrehen und Längsdrehen innen.

Toolholder, Internal, Long Version

Internal Grooving and Turning.

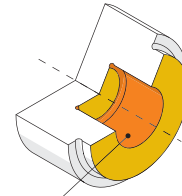
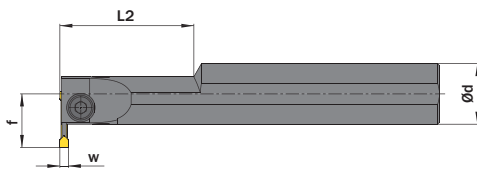
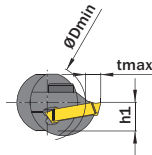
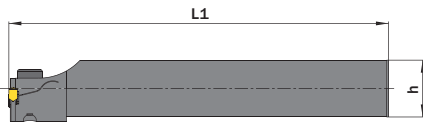
Anzugsmoment (Schraube) // Tightening Torque (Screw)

12,0 Nm



Legende
 Legend 257

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

Abbildung zeigt / Drawing shows: G14.0032.03 R

Ød ^{g6} mm	w ≥ mm	w ≤ mm	Artikelnummer Part number	Webcode www.simtek.eu/webcode	ØDmin (Min. Bohrung) ØDmin (Min. Bore) mm	f mm	h mm	h1 ^{is14} mm	L1 mm	L2 mm	tmax mm	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/code	AKT UPD
▼ Connectcode = G29.02															
32,0	2,0	2,9	G14.0032.02 R/L	R AGAF L AAPV	40,0	28,5	30,0	15,0	200,0	70,0	11,0	G M8x16 SW6	SW6	G29.02	AKT UPD
▼ Connectcode = G29.03															
32,0	3,0	4,0	G14.0032.03 R/L	R AD7N L ANU3	40,0	28,5	30,0	15,0	200,0	70,0	11,0	G M8x16 SW6	SW6	G29.03	AKT UPD
40,0	3,0	4,0	G14.0040.03 R/L	R ACQK L AP3M	50,0	32,0	38,0	19,0	250,0	80,0	11,0	G M8x16 SW6	SW6	G29.03	AKT UPD
50,0	3,0	4,0	G14.0050.03 R/L	R AM2B L ADAK	60,0	40,5	47,0	23,5	250,0	100,0	15,0	G M8x16 SW6	SW6	G29.03	
▼ Connectcode = G29.04															
32,0	4,0	5,1	G14.0032.04 R/L	R AGAV L AC29	40,0	28,5	30,0	15,0	200,0	70,0	11,0	G M8x16 SW6	SW6	G29.04	AKT UPD
40,0	4,0	5,1	G14.0040.04 R/L	R AN0C L AEKS	50,0	32,0	38,0	19,0	250,0	80,0	11,0	G M8x16 SW6	SW6	G29.04	AKT UPD
50,0	4,0	5,1	G14.0050.04 R/L	R ADET L ANCK	60,0	40,5	47,0	23,5	250,0	100,0	15,0	G M8x16 SW6	SW6	G29.04	
▼ Connectcode = G29.06															
32,0	5,2	6,0	G14.0032.06 R/L	R ADZY L AFXG	40,0	28,5	30,0	15,0	200,0	70,0	11,0	G M8x16 SW6	SW6	G29.06	AKT UPD
40,0	5,2	6,0	G14.0040.06 R/L	R AA6Q L AHTW	50,0	32,0	38,0	19,0	250,0	80,0	11,0	G M8x16 SW6	SW6	G29.06	AKT UPD
50,0	5,2	6,0	G14.0050.06 R/L	R ANV3 L AN1J	60,0	40,5	47,0	23,5	250,0	100,0	15,0	G M8x16 SW6	SW6	G29.06	

Bestellbeispiel // Order Example: **G14.0032.03 R** (R = Rechte Ausführung // Right Hand Version)

Klemmhalter, Innen, Kurzausführung

Einstechdrehen und Längsdrehen innen.

Toolholder, Internal, Short Version

Internal Grooving and Turning.

Anzugsmoment (Schraube) // Tightening Torque (Screw)

"G M5x16 T20R": 7,0 Nm
 "G M8x16 SW6": 12,0 Nm

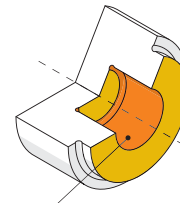
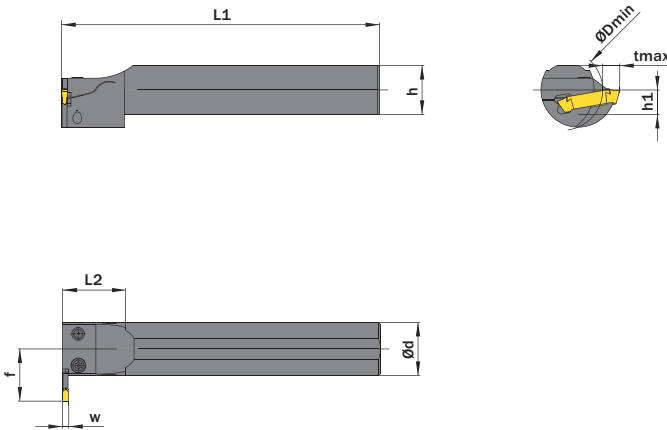


Legende
 Legend 257



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

Abbildung zeigt / Drawing shows: G13.0025.03 R

Ød ^{g6} mm	w ≥ mm	w ≤ mm	Artikelnummer Part number	Webcode www.simtek.eu/webcode	ØDmin (Min. Bohrung) ØDmin (Min. Bore)	f	h	h1 ^{is14}	L1	L2	tmax	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/code	
▼ Connectcode = G29.03															
25,0	3,0	4,0	G13.0025.03 R/L	R AGA2 L ABW9	38,0	24,5	23,0	11,5	150,0	30,0	11,0	G M5x16 T20R	T20R	G29.03	AKT UPD
32,0	3,0	4,0	G13.0032.03 R/L	R ADMW L AKKY	38,0	28,0	30,0	15,0	150,0	30,0	11,0	G M8x16 SW6	SW6	G29.03	AKT UPD
40,0	3,0	4,0	G13.0040.03 R/L	R AFKV L AAF7	50,0	32,0	38,0	19,0	180,0	30,0	11,0	G M8x16 SW6	SW6	G29.03	AKT UPD
50,0	3,0	4,0	G13.0050.03 R/L	R ABWD L AKHD	60,0	40,5	47,0	23,5	200,0	30,0	15,0	G M8x16 SW6	SW6	G29.03	
▼ Connectcode = G29.04															
25,0	4,0	5,1	G13.0025.04 R/L	R ACB9 L AM41	38,0	24,5	23,0	11,5	150,0	30,0	11,0	G M5x16 T20R	T20R	G29.04	AKT UPD
32,0	4,0	5,1	G13.0032.04 R/L	R AN4Q L AH0C	38,0	28,0	30,0	15,0	150,0	30,0	11,0	G M8x16 SW6	SW6	G29.04	AKT UPD
40,0	4,0	5,1	G13.0040.04 R/L	R AMTN L APHN	50,0	32,0	38,0	19,0	180,0	30,0	11,0	G M8x16 SW6	SW6	G29.04	AKT UPD
50,0	4,0	5,1	G13.0050.04 R/L	R ABWN L AC9W	60,0	40,5	47,0	23,5	200,0	30,0	15,0	G M8x16 SW6	SW6	G29.04	
▼ Connectcode = G29.06															
32,0	5,2	6,0	G13.0032.06 R/L	R AFEK L AE8Q	38,0	28,0	30,0	15,0	150,0	30,0	11,0	G M8x16 SW6	SW6	G29.06	AKT UPD
40,0	5,2	6,0	G13.0040.06 R/L	R AHFN L AKXC	50,0	32,0	38,0	19,0	180,0	30,0	11,0	G M8x16 SW6	SW6	G29.06	AKT UPD
50,0	5,2	6,0	G13.0050.06 R/L	R AD53 L AC5C	60,0	40,5	47,0	23,5	200,0	30,0	15,0	G M8x16 SW6	SW6	G29.06	

Bestellbeispiel // Order Example: **G13.0025.03 R** (R = Rechte Ausführung // Right Hand Version)

simturn® AX
 simturn® DX
 simturn® H2
 simturn® H2
 simturn® K2
 simturn® K2
 simturn® C4
 simturn® C4
 simturn® CX
 simturn® E3
 simturn® E3
 simturn® E12
 simturn® E12
 simturn® FX
 simturn® FX
 simturn® Decolletage
 simturn® Decolletage
 simturn® OA
 simturn® OA
 Anhang
 Appendix

Klemmhalter, Außen, Eckenfreistriche

Eckenfreistriche außen.

Toolholder, External, Corner Reliefs

External Corner Reliefs.

Anzugsmoment (Schraube) // Tightening Torque (Screw)

12,0 Nm



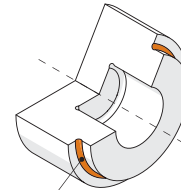
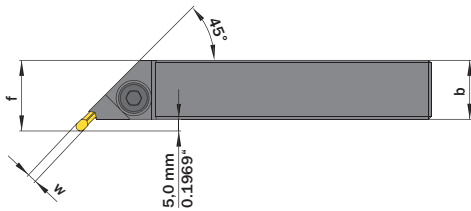
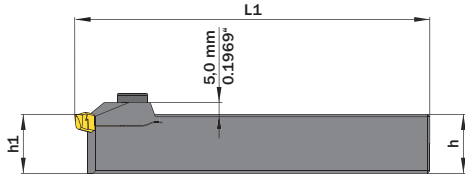
TW
ST

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Legende
Legend **257**

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■ Hauptsächlich geeignet für diese Flächen
 Mainly designed for these Surfaces

Abbildung zeigt / Drawing shows: G25.2525.04 R

h	b	w ≥	w ≤	Artikelnummer Part number	Webcode www.simtek.eu/webcode	f	h1 ^{js14}	L1	Schraube Screw	Schraubenschlüssel Screw driver	Connectcode www.simtek.eu/cocode
mm	mm	mm	mm			mm	mm	mm			
25,0	25,0	3,0	4,0	G25.2525.04 R/L	R AJUW L AB04	30,0	25,0	150,0	G M8x25 SW6	SW6	G29.03

■ Bestellbeispiel // Order Example: **G25.2525.04 R** (R = Rechte Ausführung // Right Hand Version)

Einstecken und Profildrehen

CNC-Konturdrehen mit runder, geschliffener Spanfläche.

Grooving and Profiling

CNC Profiling. Ground, round geometry.

Schnittwerte (Start) // Cutting parameters (Start)		
f (außen//ext.) 0,05 mm/U	f (innen//int.) 0,04 mm/U	Vc Seite/Page 377

Passende Klemmhalter auf Seite // Suitable Toolholders on page
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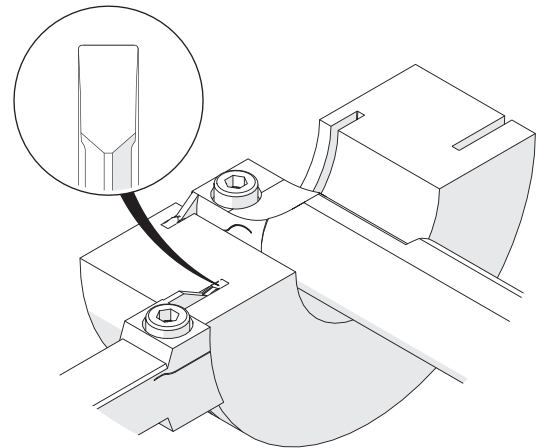
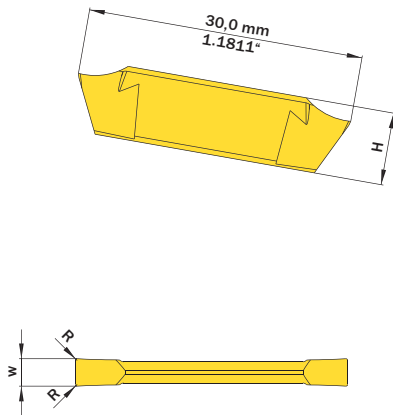


Abbildung zeigt / Drawing shows: G29.0300.10 S

w ^{+0,05} mm	Artikelnummer Part number	Webcode www.simtek.eu/webcode	Schneidstoffgruppe Cutting Grade Group	H mm	R mm	Connectcode www.simtek.eu/code
2,0	G29.0200.10 S	AH87	G	7,9	0,2	G29.02
2,5	G29.0250.10 S	AG6S	G	7,9	0,2	G29.02
3,0	G29.0300.10 S	ACA7	G	7,9	0,2	G29.03
4,0	G29.0400.10 S	AES9	G	7,9	0,2	G29.03
5,0	G29.0500.10 S	AFY3	G	7,9	0,2	G29.04
6,0	G29.0600.10 S	AJKN	G	7,5	0,2	G29.06

Bestellbeispiel // Order Example: **G29.0300.10 S GN39** (GN39 = Schneidstoff // Grade)

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simturn® C4
simturn® GX
simturn® E3
simturn® E12
simturn® FX
simturn® Decolletage
simturn® OA
Anhang Appendix

Einstecken und Profildrehen

CNC-Konturdrehen mit ebener, geschliffener Spanfläche.

Grooving and Profiling

CNC Profiling. Ground, flat geometry.

Schnittwerte (Start) // Cutting parameters (Start)		
f (außen//ext.) 0,05 mm/U	f (innen//int.) 0,04 mm/U	Vc Seite/Page 377

Passende Klemmhalter auf Seite // Suitable Toolholders on page
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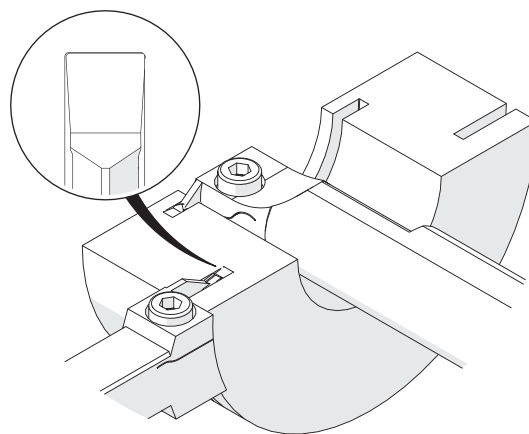
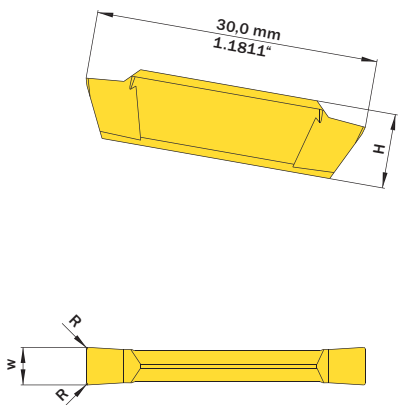


Abbildung zeigt / Drawing shows: G29.0400.20 S

$w^{+0,05}$	Artikelnummer Part number	Webcode www.simtek.eu/webcode	Schneidstoffgruppe Cutting Grade Group	H	R	Connectcode www.simtek.eu/code
mm				mm	mm	
3,0	G29.0300.20 S	AMDB	CBN, G	7,9	0,2	G29.03
4,0	G29.0400.20 S	ABMU	CBN, G	7,9	0,2	G29.03
5,0	G29.0500.20 S	APU5	G	7,9	0,2	G29.04
6,0	G29.0600.20 S	AB3V	G	7,5	0,4	G29.06

Bestellbeispiel // Order Example: **G29.0300.20 S GN39** (GN39 = Schneidstoff // Grade)

Einstecken und Profildrehen

CNC-Konturdrehen mit gesinterter Spanformgeometrie für kontrollierte Spanbildung.

Grooving and Profiling

CNC Profiling. Sintered Geometry for improved chip control.

Schnittwerte (Start) // Cutting parameters (Start)		
f (außen//ext.) 0,12 mm/U	f (innen//int.) 0,09 mm/U	Vc Seite/Page 377

Passende Klemmhalter auf Seite // Suitable Toolholders on page
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Legende

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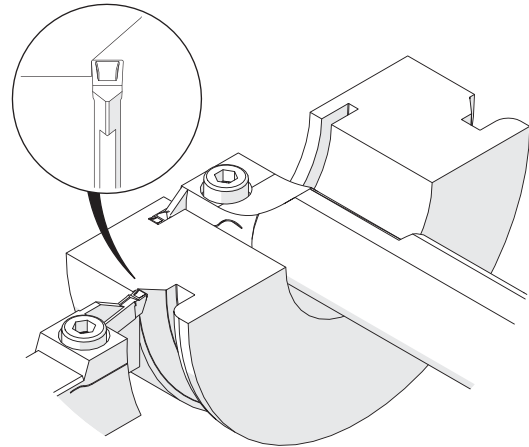
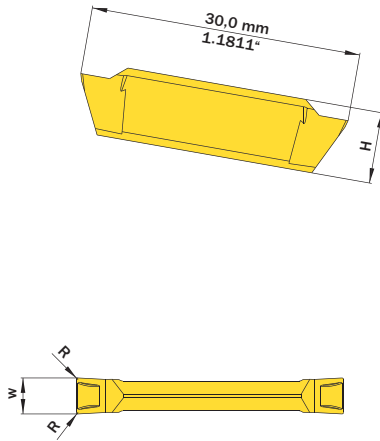


Abbildung zeigt / Drawing shows: G29.0400.32 S

w ^{+0,05} mm	R mm	Artikelnummer Part number	Webcode www.simtek.eu/webcode	Schneidstoffgruppe Cutting Grade Group	H mm	Connectcode www.simtek.eu/code
2,0	0,2	G29.0200.32 S	ABNM	G	7,9	G29.02
2,5	0,2	G29.0250.32 S	AHMB	G	7,9	G29.02
3,0	0,2	G29.0300.32 S	AFPT	G	7,9	G29.03
3,0	0,4	G29.0300.34 S	AN8A	G	7,9	G29.03
4,0	0,2	G29.0400.32 S	AJK1	G	7,9	G29.03
4,0	0,4	G29.0400.34 S	AAE0	G	7,9	G29.03
5,0	0,4	G29.0500.34 S	AN6E	G	7,9	G29.04
6,0	0,4	G29.0600.34 S	AE8G	G	7,5	G29.06
6,0	0,8	G29.0600.38 S	ANYA	G	7,5	G29.06

Bestellbeispiel // Order Example: **G29.0300.32 S GN39** (GN39 = Schneidstoff // Grade)

Einstecken und Profildrehen

CNC-Konturdrehen mit gesinterter Spanformgeometrie für kontrollierte Spanbildung.

Grooving and Profiling

CNC Profiling. Sintered Geometry for improved chip control.

Schnittwerte (Start) // Cutting parameters (Start)		
f (außen//ext.) 0,12 mm/U	f (innen//int.) 0,09 mm/U	Vc Seite/Page 377

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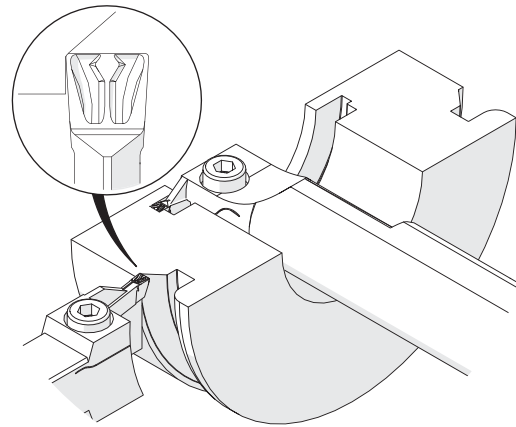
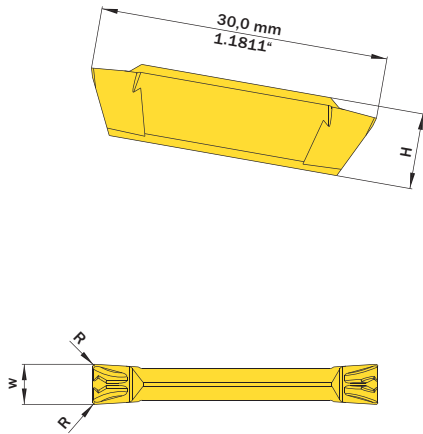


Abbildung zeigt / Drawing shows: G29.0400.52 S

$w_{\pm 0,05}$	R	Artikelnummer Part number	Webcode www.simtek.eu/webcode	Schneidstoffgruppe Cutting Grade Group	H	Connectcode www.simtek.eu/code
mm	mm				mm	
4,0	0,2	G29.0400.52 S	APMU	G	7,9	G29.04
4,0	0,4	G29.0400.54 S	AF87	G	7,9	G29.04

Bestellbeispiel // Order Example: **G29.0400.52 S GN39** (GN39 = Schneidstoff // Grade)

Einstecken und Profildrehen, Vollradius

Vollradiusnuten, CNC-Konturdrehen.

Grooving and Profiling, Full Radius

Full Radius, CNC Profiling.

Schnittwerte (Start) // Cutting parameters (Start)		
f (außen//ext.) 0,05 mm/U	f (innen//int.) 0,04 mm/U	Vc Seite/Page 377

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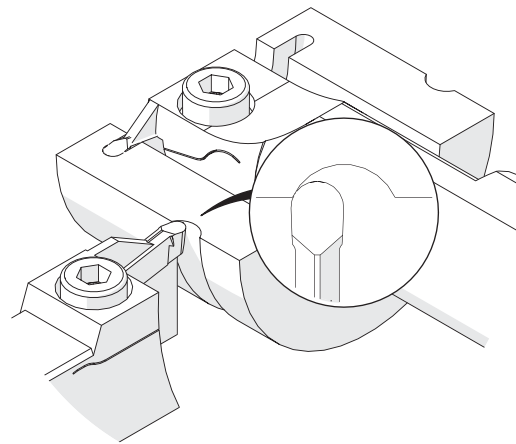
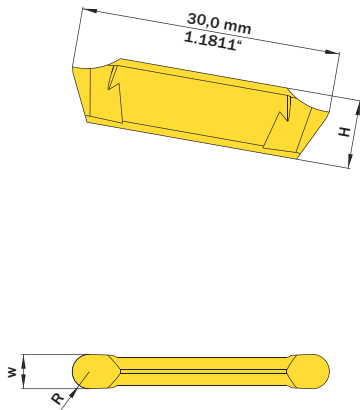


Abbildung zeigt / Drawing shows: G29.0040.20 S

w ^{+0,05} mm	R mm	Artikelnummer Part number	Webcode www.simtek.eu/webcode	Schneidstoffgruppe Cutting Grade Group	H mm	Connectcode www.simtek.eu/code
2,0	1,0	G29.0020.10 S	ADWN	G	7,9	G29.02
3,0	1,5	G29.0030.15 S	ANAZ	G	7,9	G29.03
4,0	2,0	G29.0040.20 S	AK7N	G	7,9	G29.04
5,0	2,5	G29.0050.25 S	ANTE	G	7,9	G29.04
6,0	3,0	G29.0060.30 S	AME9	G	7,5	G29.06

Bestellbeispiel // Order Example: **G29.0030.15 S GN39** (GN39 = Schneidstoff // Grade)

simturn® AX
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simturn® H2
simturn® K2
simturn® K2
simturn® C4
simturn® GX
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simturn® E12
simturn® FX
simturn® Decolletage
simturn® OA
Anhang Appendix




Gewindedrehen, Metr. ISO, Außen, Teilprofil

Mehrbereichswerkzeuge für verschiedene Steigungen.

Threading, Metr. ISO, External, Partial Profile

Multi-Purpose Tools, usable for different pitches.

Schnittwerte (Start) // Cutting parameters (Start)
Anzahl Durchgänge // Number of passes 8 - 12
Empf. Zustellungsart // Recom. Infeed method Flankenzustellung // Flank Infeed
Vc Seite/Page 377
Passende Klemmhalter auf Seite // Suitable Toolholders on page 236, 237, 238, 240, 241, 242, 243, 244, 245, 246
Bitte Hinweise im Anhang beachten // Please read add. notes T01 (Seite/Page 256)



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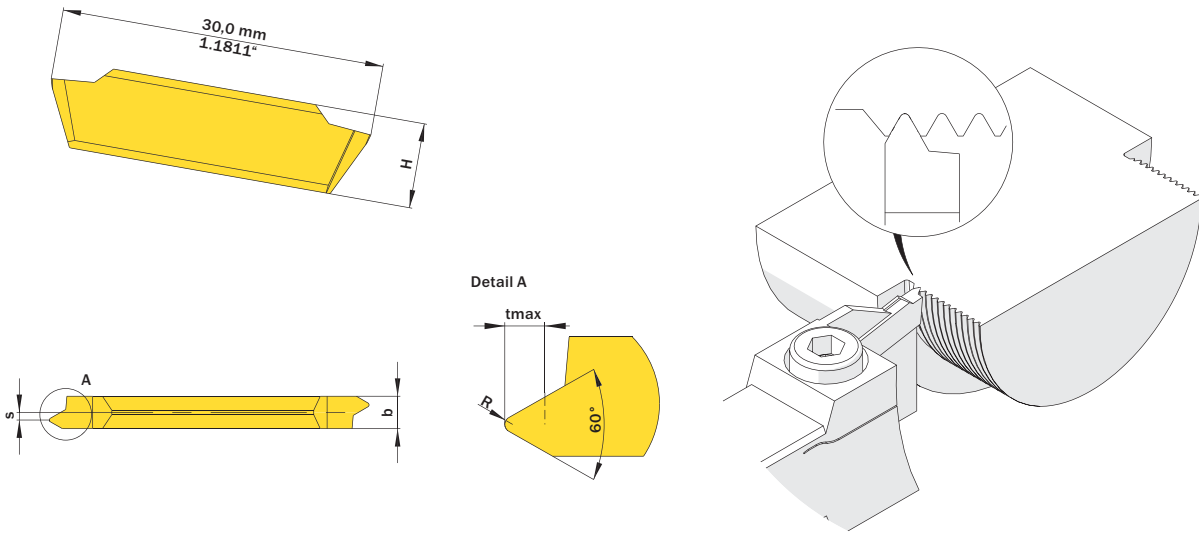


Abbildung zeigt / Drawing shows: G29.0915.01 S R

Steigung (von) Pitch (as of)	Steigung (bis) Pitch (up to)	Artikelnummer Part number	Webcode www.simtek.eu/webcode	Schneidstoffgruppe Cutting Grade Group	b	H	R	tmax	S	Connectcode www.simtek.eu/code
					mm	mm	mm	mm	mm	
1,0	1,25	G29.0610.01 S R/L	R AEYM L AGY3	G	3,3	7,9	0,14	0,81	0,8	G29.03
1,25	1,5	G29.0712.01 S R/L	R ACXW L APA9	G	3,3	7,9	0,18	0,96	0,8	G29.03
1,5	1,75	G29.0915.01 S R/L	R AENP L AC4U	G	3,3	7,9	0,22	1,1	0,7	G29.03
1,75	2,0	G29.1017.01 S R/L	R AJJD L AJ13	G	3,3	7,9	0,25	1,27	0,5	G29.03
2,0	2,5	G29.1220.01 S R/L	R AJGØ L AHS1	G	3,3	7,9	0,29	1,6	0,4	G29.03
2,5	3,0	G29.1525.01 SR/L	R AKXA L AJ3J	G	3,3	7,9	0,36	1,91	0,2	G29.03

Bestellbeispiel // Order Example: **G29.0610.01 S R GN39** (R = Rechte Ausführung // Right Hand Version, GN39 = Schneidstoff // Grade)

Bitte beachten Sie die zusätzlichen Hinweise im Infobereich rechts oben.
 Please read the additional notes mentioned in the information area on the top right corner of this page.

Gewindedrehen, Metr. ISO, Außen, Vollprofil

Herstellung des vollständigen Gewindeprofils mit notwendiger Tiefe sowie Kopf- und Fußradien.

Threading, Metr. ISO, External, Full Profile

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

Schnittwerte (Start) // Cutting parameters (Start)
Anzahl Durchgänge // Number of passes 8 - 12
Empf. Zustellungsart // Recom. Infeed method Flankenzustellung // Flank infeed
Vc Seite/Page 377

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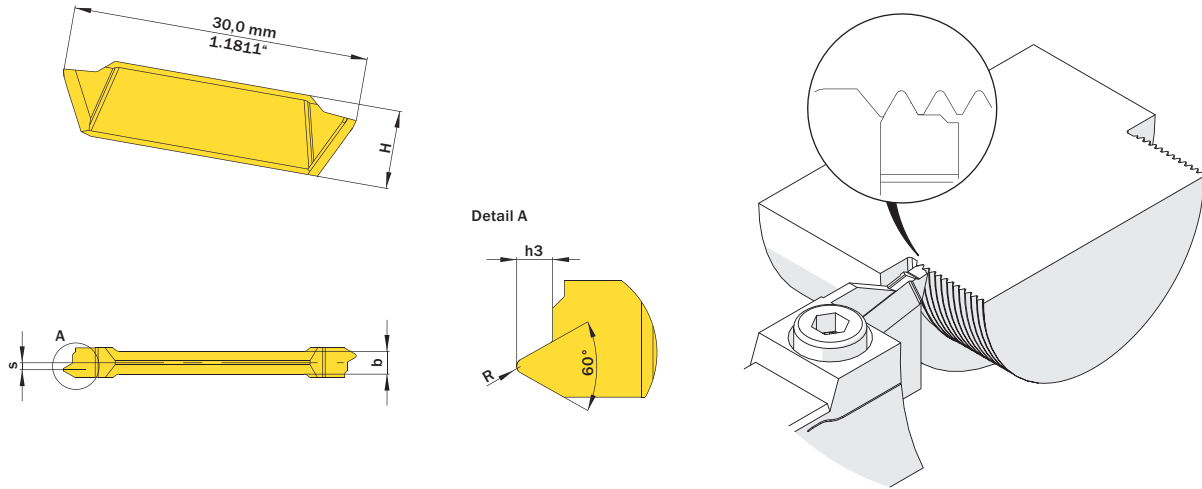


Abbildung zeigt / Drawing shows: G29.0915.02 S R

h3	Steigung (von) Pitch (as of)	Artikelnummer Part number	Webcode www.simtek.eu/webcode	Schneidstoffgruppe Cutting Grade Group	b	H	R	S	Connectcode www.simtek.eu/code
					mm	mm	mm	mm	
0,61	1,0	G29.0610.02 S R/L	R AF43 L ACF7	G	3,3	7,9	0,12	0,8	G29.03
0,77	1,25	G29.0712.02 S R/L	R AD39 L AG44	G	3,3	7,9	0,15	0,8	G29.03
0,92	1,5	G29.0915.02 S R/L	R AEHB L ADPK	G	3,3	7,9	0,2	0,7	G29.03
1,07	1,75	G29.1017.02 S R/L	R AMK1 L AEZC	G	3,3	7,9	0,25	0,5	G29.03
1,23	2,0	G29.1220.02 S R/L	R AAGP L ANDD	G	3,3	7,9	0,25	0,5	G29.03
1,53	2,5	G29.1525.02 S R/L	R AJVW L AD0G	G	3,3	7,9	0,35	0,3	G29.03

Bestellbeispiel // Order Example: **G29.0610.02 S R GN39** (R = Rechte Ausführung // Right Hand Version, GN39 = Schneidstoff // Grade)

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simturn® DX
simturn® H2
simturn® K2
simturn® C4
simturn® GX
simturn® E3
simturn® E12
simturn® FX
simturn® Decolletage
simturn® OA
Anhang Appendix

Gewindedrehen, Whitworth, Vollprofil

Herstellung des vollständigen Gewindeprofils mit notwendiger Tiefe sowie Kopf- und Fußradien. Für Innen- und Außenbearbeitung.

Threading, Whitworth, Full Profile

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

Schnittwerte (Start) // Cutting parameters (Start)

Anzahl Durchgänge // Number of passes
8 - 12

Empf. Zustellungsart // Recom. Infeed method
Flankenzustellung // Flank Infeed

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SP Legende
HM Legend

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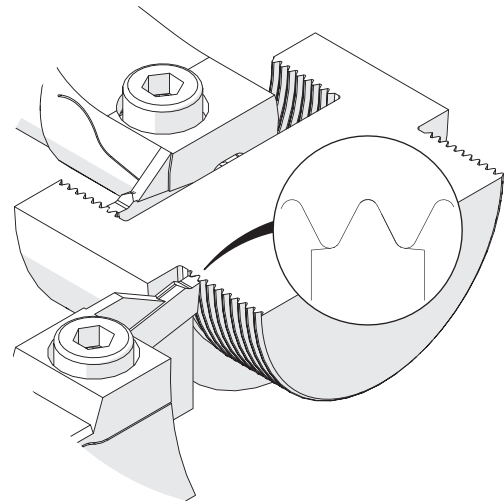
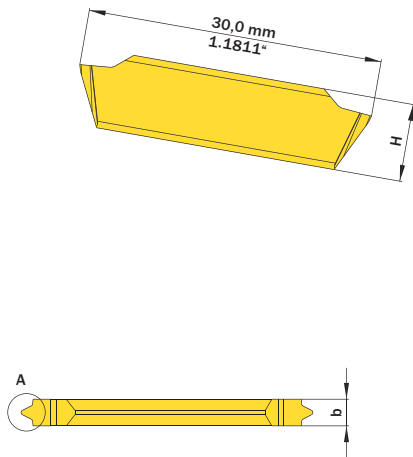


Abbildung zeigt / Drawing shows: G29.1118.14 S

H1	Steigung (von) Pitch (as of)	Gang/Zoll Threads/inch	Artikelnummer Part number	Webcode www.simtek.eu/webcode	Schneidstoffgruppe Cutting grade Group	b	H	R	S	Connectcode www.simtek.eu/code
mm	mm					mm	mm	mm	mm	
0,581	0,907	28	G29.0509.28 S	AP3C	G	2,7	7,9	0,12	1,35	G29.02
0,86	1,34	19	G29.0813.19 S	APFH	G	2,7	7,9	0,18	1,35	G29.02
1,16	1,81	14	G29.1118.14 S	ACG8	G	2,7	7,9	0,25	1,35	G29.02
1,48	2,31	11	G29.1423.11 S	AEQ7	G	2,7	7,9	0,32	1,35	G29.02

Bestellbeispiel // Order Example: **G29.0813.19 S GN39** (GN39 = Schneidstoff // Grade)

Abstechen

Verfügbar in verschiedenen Breiten und Winkeln.
 Gesinterte Spanformgeometrie für kontrollierte Spanbildung.

Parting Off

Available in different widths and angles.
 Sintered Geometry for improved chip control.

Schnittwerte (Start) // Cutting parameters (Start)

f (außen//ext.) **0,12 mm/U** Vc **Seite/Page 377**

Passende Klemmhalter auf Seite // Suitable Toolholders on page

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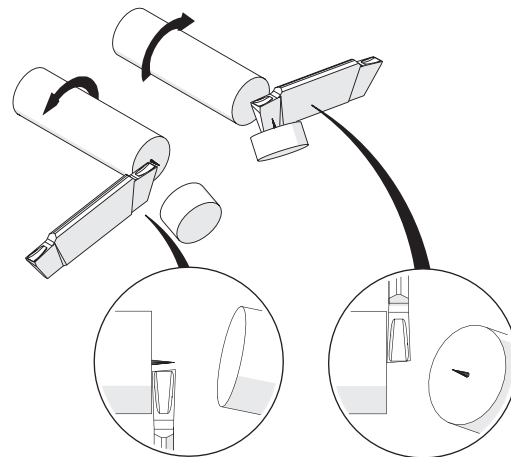
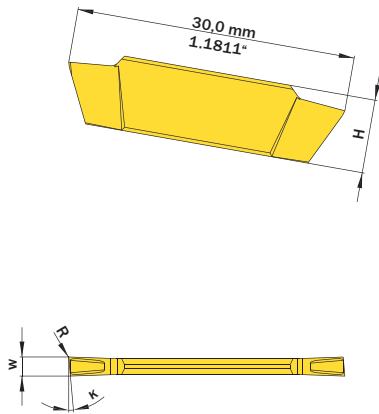


Abbildung zeigt / Drawing shows: G29.5200.32 S R

K	w ^{+0,05} mm	Artikelnummer Part number	Webcode www.simtek.eu/webcode		Schneidstoffgruppe Cutting Grade Group	H mm	R mm	Connectcode www.simtek.eu/code
			R	L				
▼ w = 2,0 mm								
15°	2,0	G29.1520.32 S R/L	R AMF7	L ANHX	G	7,9	0,2	G29.02
5°	2,0	G29.5200.32 S R/L	R AMW7	L AGQ9	G	7,9	0,2	G29.02
8°	2,0	G29.8200.32 S R/L	R AAKB	L AFZF	G	7,9	0,2	G29.02
▼ w = 2,5 mm								
5°	2,5	G29.5250.32 S R/L	R AATN	L AHAD	G	7,9	0,2	G29.02
▼ w = 3,0 mm								
15°	3,0	G29.1530.32 S R/L	R ABW7	L AATT	G	7,9	0,2	G29.03
5°	3,0	G29.5300.32 S R/L	R AH07	L ABKE	G	7,9	0,2	G29.03
8°	3,0	G29.8300.32 S R/L	R AA90	L AM09	G	7,9	0,2	G29.03
▼ w = 4,0 mm								
5°	4,0	G29.5400.32 S R/L	R AB5F	L AFQH	G	7,9	0,2	G29.04

Bestellbeispiel // Order Example: **G29.5300.32 S R GN39** (R = Rechte Ausführung // Right Hand Version, GN39 = Schneidstoff // Grade)

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 simturn® DX
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 simturn® K2
 simturn® K2
 simturn® C4
simturn® GX
 simturn® E3
 simturn® E12
 simturn® FX
 simturn® Decolletage
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Info

Hinweisliste
Additional information

T01

Bei den simturn® Teilprofil-Gewindeschneidplatten für metrische ISO-Gewinde handelt es sich um Mehrbereichswerkzeuge, d.h. dass mit einem Werkzeug unterschiedliche Steigungen gefertigt werden können.

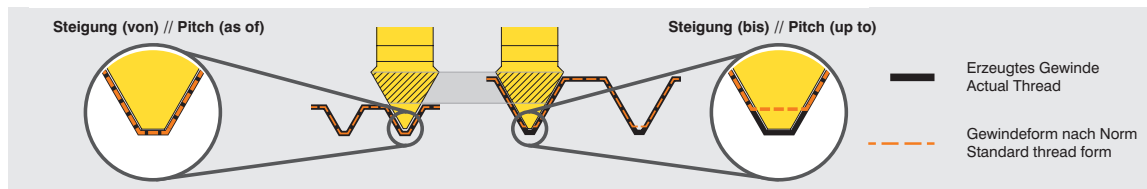
Das Schneidwerkzeug ist dabei immer auf die angegebene „Steigung (von)“ ausgelegt, wodurch ein normgerechtes Gewinde beim Fertigen dieser Steigung entsteht.

Die ebenfalls angegebene „Steigung (bis)“ kann mit diesem Werkzeug ebenfalls gefertigt werden. Es entsteht hierbei jedoch ein - gegenüber der Norm - geringfügig tieferes Gewinde. Die geringfügig höhere Gewindetiefe ist i.d.R. akzeptabel, es muss jedoch immer der Einzelfall beurteilt werden.

The simturn® Threading Inserts with partial profile for metric ISO-Threads are multi-purpose tools. This means that each insert is offering the possibility to machine different pitches.

The insert is always designed to meet the pitch given as „Pitch (as of)“: Machining this pitch will result in a standard conform thread form.

The given „Pitch (up to)“ can be machined too with this insert at the expense of standard conformity: The resulting thread will be slightly deeper than the standard. The deeper thread is usually acceptable, but the application and use needs to be evaluated.



Beispiel // Example

Info

Legende
Legend

SP
CBN

Schneidwerkzeug aus CBN // CBN Insert // Outils coupants en CBN // Insetto CBN

SP
HM

Schneidwerkzeug aus Hartmetall // Carbide Insert // Outils coupants en carbure de tungstène // Insetto in metallo duro

TW
ST

Trägerwerkzeug aus Stahl // Steel Toolholder // Porte-outils en acier // Porta inserto in acciaio

R

Rechts wie gezeichnet // Right hand version shown, left hand version inversely // A droite comme présenté // In figura utensile destro

simturn® AX

simturn® DX

simturn® H2

simturn® K2

simturn® C4

simturn® CX

simturn® E3

simturn® E12

simturn® FX

simturn®
Decolletage

simturn® OA

Anhang
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simturn® GX Produktverzeichnis
simturn® GX Product list

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