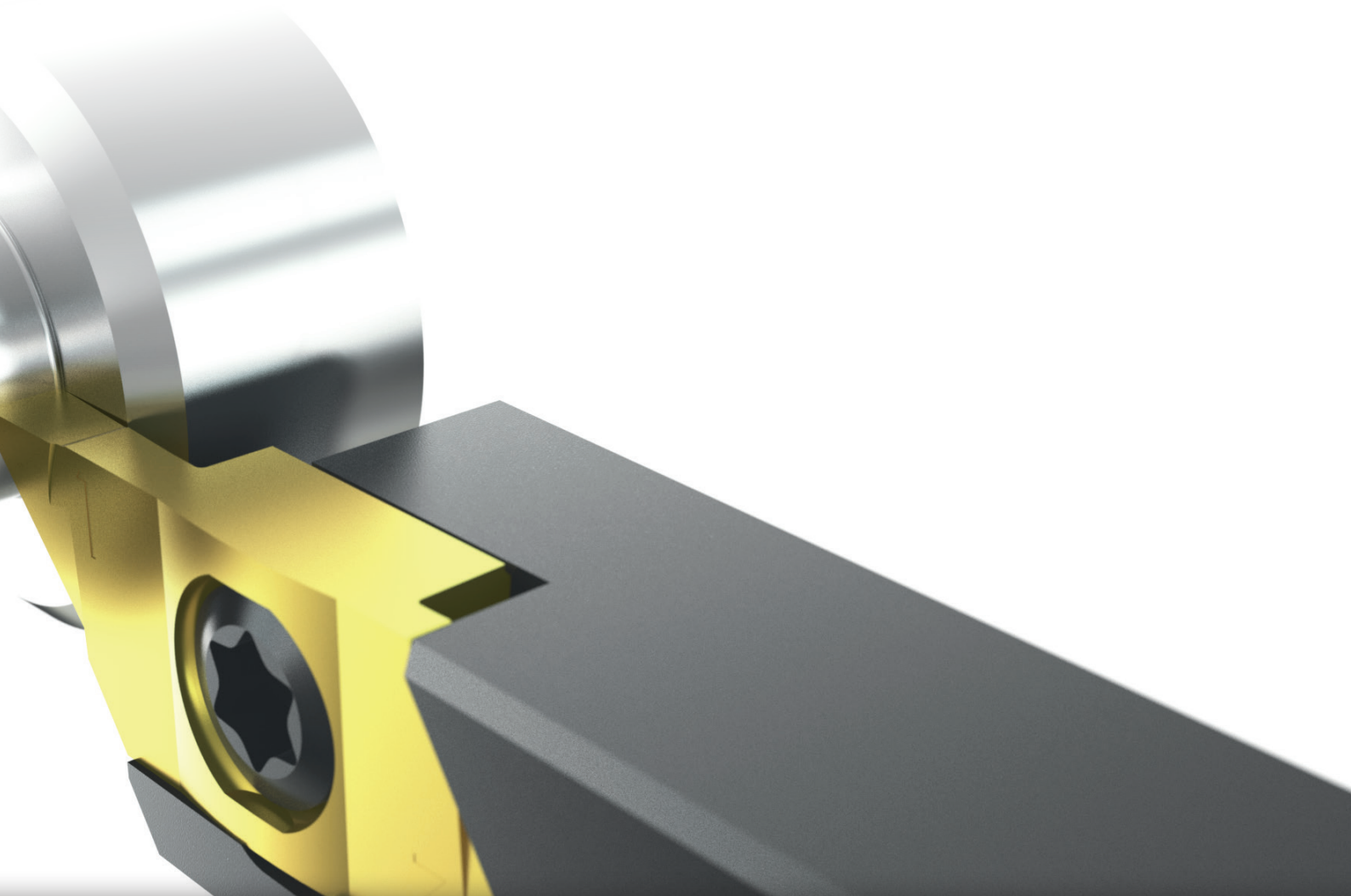




Tools for
highest
expectations

Small part machining
external, with two-edged inserts.



simturnK2
SIMTEK Small Part Machining Type KX

Part Catalog
R20 US-Edition



Tools for
highest
expectations

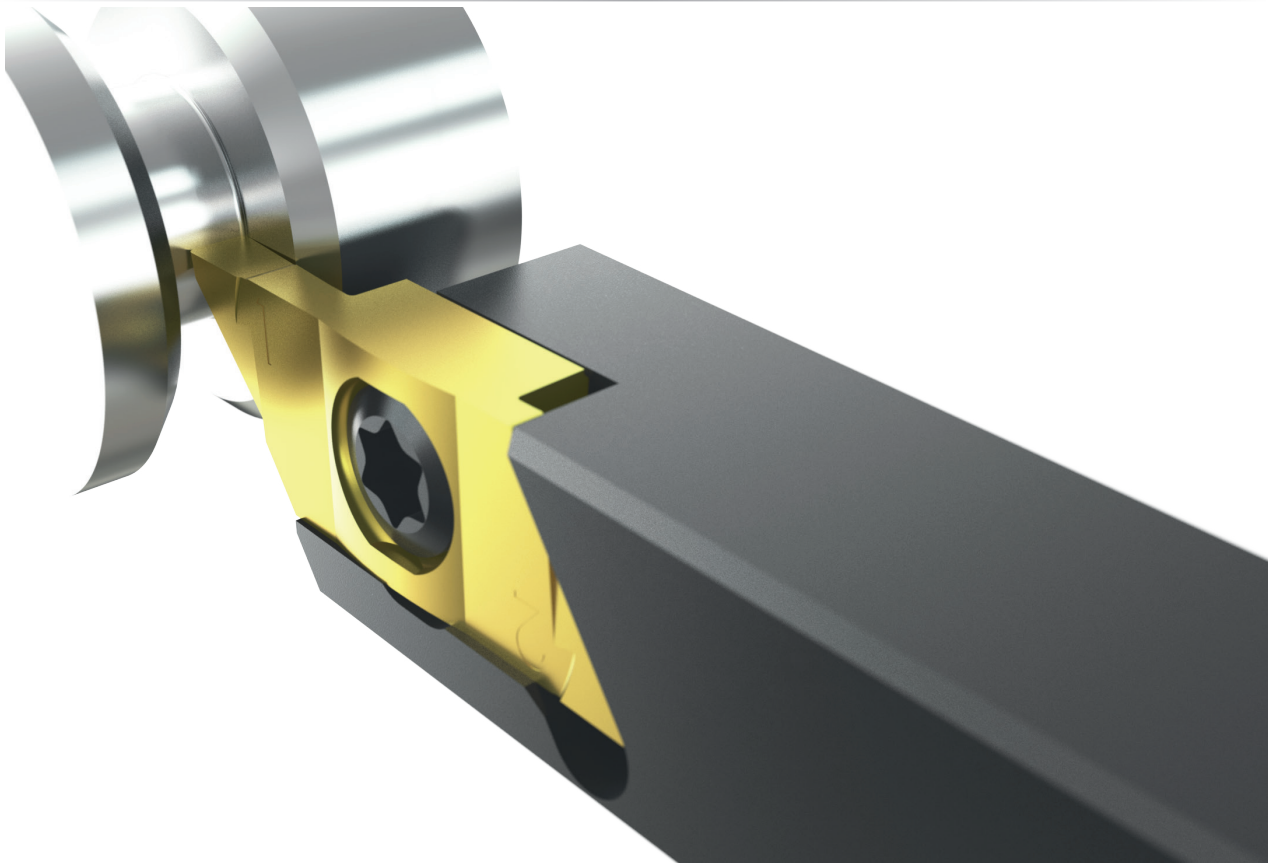
Contact

SIMTEK USA Inc.
13 Fairfield Ave. Suite 104
US 07424-1257 Little Falls, NJ

fon +1 862 757 8130
fax +1 862 757 8134
mail usa@simtek.com
web www.simtek.com/usa

The Tool System Overview

Small Part Machining external, with two-edged inserts.



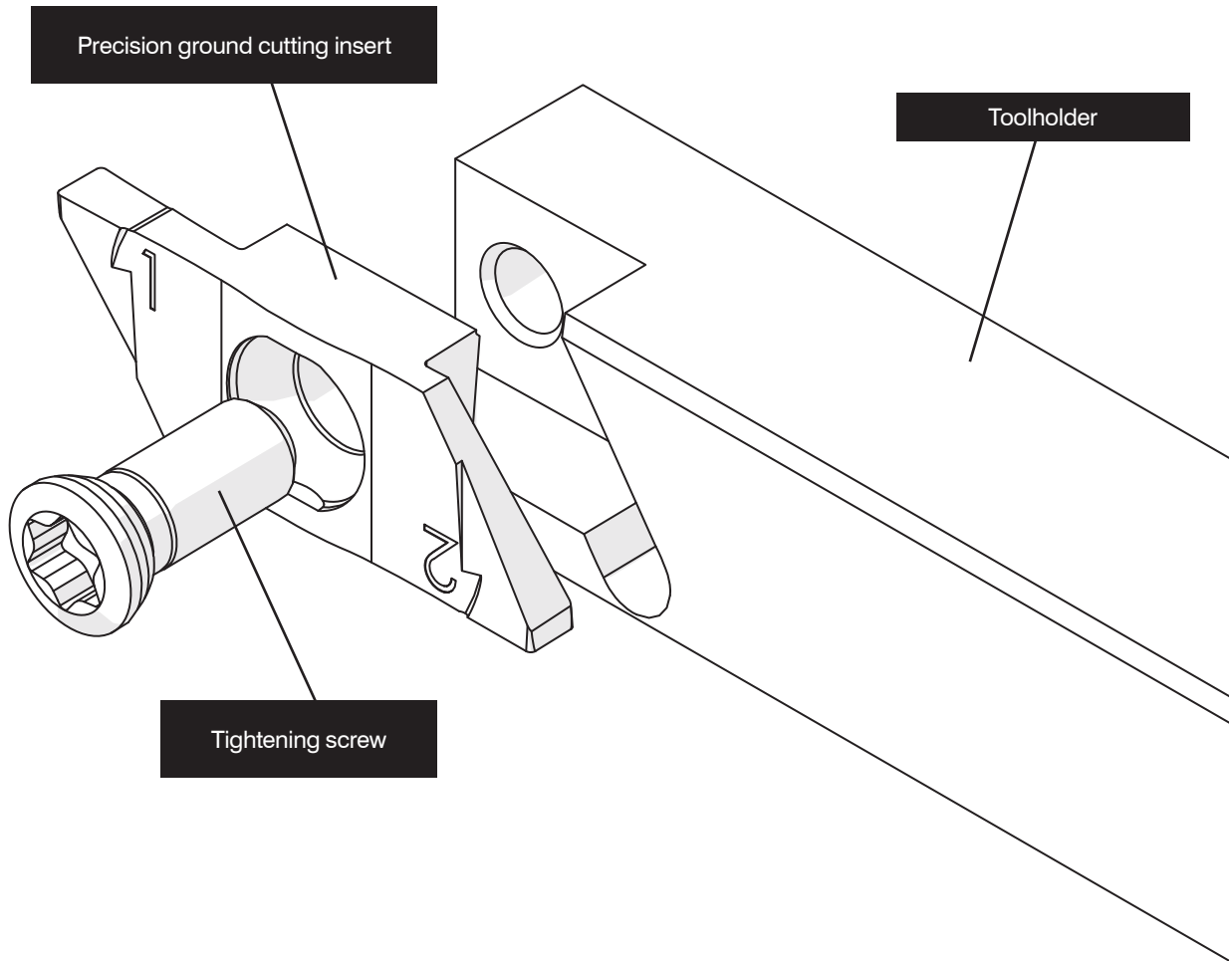
The tool system simturn K2 was designed to meet highest expectations in Small Part Machining. The system provides two-edged indexable cutting inserts and square shank sizes from 0.375" x 0.375" (10,0 x 10,0 mm) on.

All the major applications are available as standard items providing cutting depths up to 7,0 mm (0.276").

The System Details

Please read the general instructions for use on page

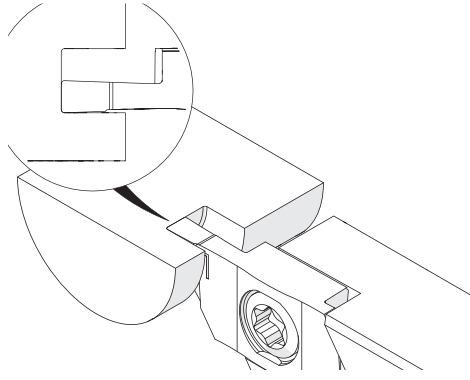
29



Standard Applications

As of page

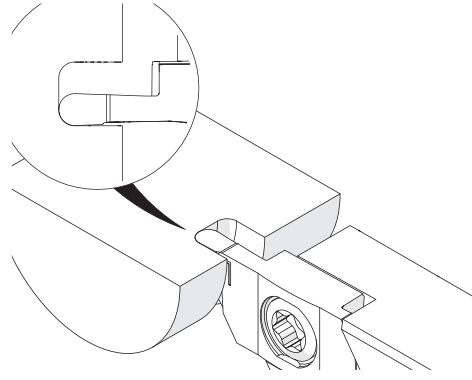
9



Grooving and Profiling

As of Page

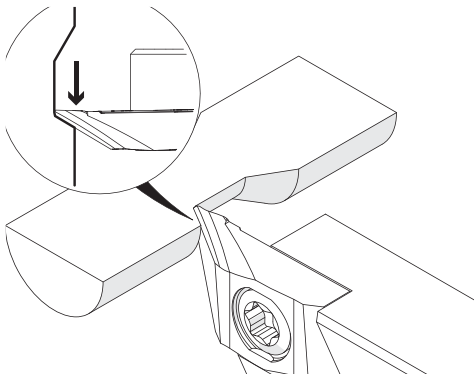
11



Grooving and Profiling, Full Radius

Page

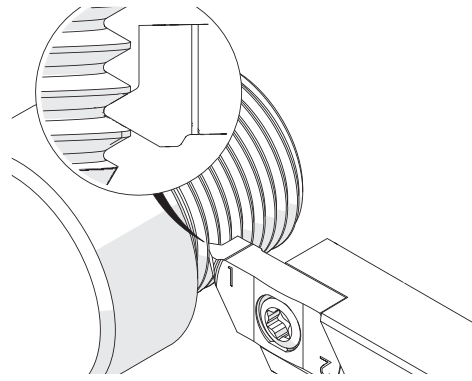
14



Turning

Page

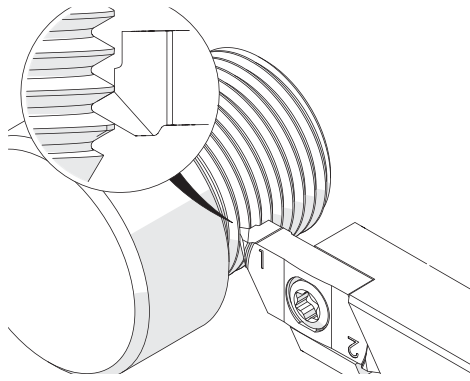
17



Threading: Metric ISO, External, Partial Profile

Page

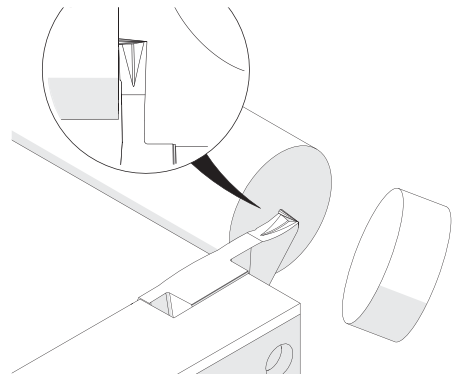
18



Threading: Metric ISO, External, Full Profile

Page

20




Parting Off

Toolholder, External

Toolholder for small part machining.

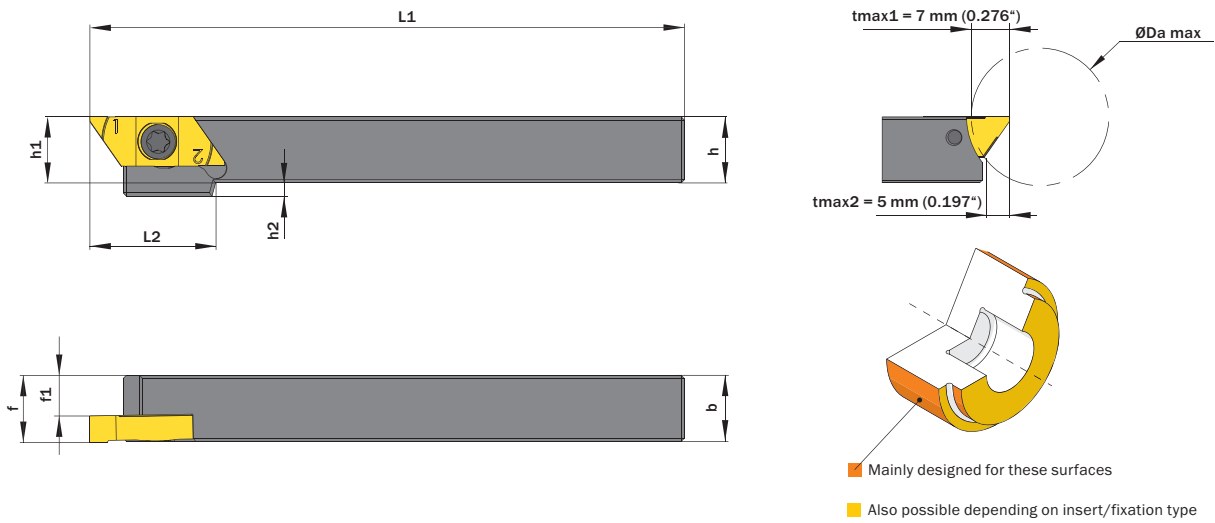
Tightening torque (screw)
 "M M3,5x11 T10F": 3,0 Nm
 "M M3,5x9 T10F": 3,0 Nm



Legend **23**

Scan QR-Code Or Visit www.simtek.info/cp/1108

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



Drawing shows: TK2.G.1010.A.14.04 R

h	b	L1	Part number	Webcode www.simtek.com/webcode	f	f1	h1	h2	L2	ØDa max	Screw	Screw driver	Connectcode www.simtek.com/code	
mm/inch	mm/inch	mm/inch			mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	mm/inch				
▼ h = 0.375"														
0.375"	0.375"	5.512"	TK2.G.0.375.A.14.04 R	A22E	0.383"	0.225"	0.375"	0.079"	0.748"	0.787"	MM3,5x9T10F	T10F	TK2.G.R.04	inch
▼ h = 10,0 mm														
10,0	10,0	140,0	TK2.G.1010.A.14.04 R/L	R AYQ L AYGS	10,2	6,2	10,0	2,0	19,0	20,0	MM3,5x9T10F	T10F	R TK2.G.R.04 L TK2.G.L.04	
▼ h = 12,0 mm														
12,0	12,0	140,0	TK2.G.1212.A.14.04 R/L	R AYK L AYGM	12,2	8,2	12,0	-	-	25,0	MM3,5x11T10F	T10F	R TK2.G.R.04 L TK2.G.L.04	
▼ h = 0.500"														
0.500"	0.500"	5.512"	TK2.G.0.500.A.14.04 R/L	R A1DK L A1DH	0.509"	0.350"	0.500"	-	-	1.260"	MM3,5x11T10F	T10F	R TK2.G.R.04 L TK2.G.L.04	inch
▼ h = 0.625"														
0.625"	0.625"	5.512"	TK2.G.0.625.A.14.04 R/L	R A1DN L A1DM	0.633"	0.476"	0.625"	-	-	1.260"	MM3,5x11T10F	T10F	R TK2.G.R.04 L TK2.G.L.04	inch
▼ h = 16,0 mm														
16,0	16,0	140,0	TK2.G.1616.A.14.04 R/L	R AYGF L AYGG	16,2	12,2	16,0	-	-	32,0	MM3,5x11T10F	T10F	R TK2.G.R.04 L TK2.G.L.04	

Order example: **TK2.G.1212.A.14.04 R** (R = Right hand version)

Toolholder, External

Toolholder for small part machining.

Tightening torque (screw)

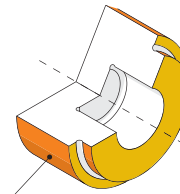
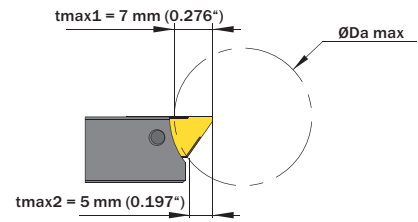
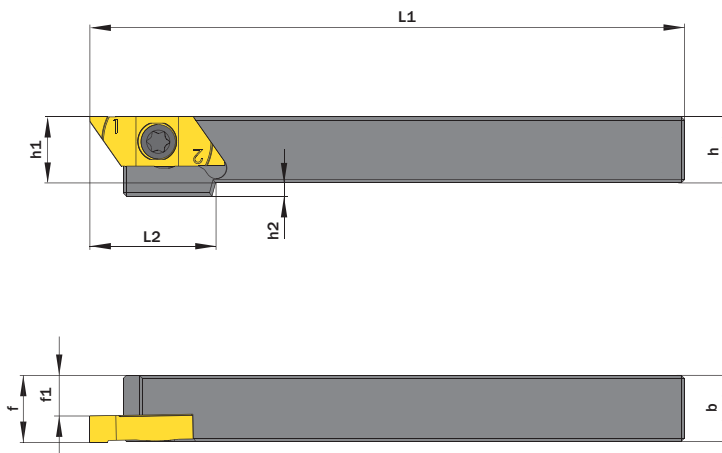
3,0 Nm



TW **ST** **R** Legend **23**

Scan QR-Code Or Visit www.simtek.info/cp/1329

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/fixation type

Drawing shows: TK2.G.1010.A.14.04 R

h	b	L1	Part number	Webcode www.simtek.com/webcode	f	f1	h1	ØDa max	Screw	Screw driver	Connectcode www.simtek.com/code	
inch	inch	inch			inch	inch	inch	inch				
▼ h = 0.750"												
0.750"	0.750"	5.512"	TK2.G.0.750.A.14.04 R	A234	0.758"	0.600"	0.750"	1.260"	M M3,5x11 T10F	T10F	TK2.G.R.04	inch
▼ h = 1.000"												
1.000"	1.000"	5.512"	TK2.G.1.000.A.14.04 R	A25U	1.008"	0.850"	1.000"	1.260"	M M3,5x11 T10F	T10F	TK2.G.R.04	inch

Order example: TK2.G.1.000.A.14.04 R (R = 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
Index

Height-Adjustable Cassette for back operations

Cassette for height-adjustable back operations tools.
Compatible to TOG-System by precium®.

Tightening torque (screw)

3,0 Nm



TW
ST

R

Legend

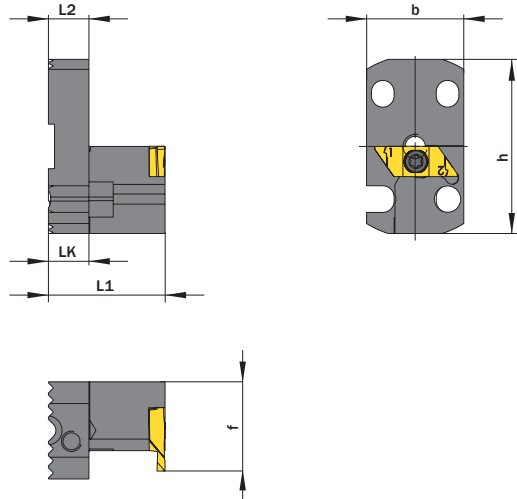
23



Scan
QR-Code

Or Visit

www.simtek.info/cp/1270



Drawing shows: TOG.K.TK2.G.A1 R

With through coolant supply	Part number	Webcode www.simtek.com/webcode		b mm	h mm	f mm	L1 mm	L2 mm	LK mm	Screw M M3,5x11 T10F	Screw driver T10F	Connectcode www.simtek.com/code	
		R A18Q	L A18P									R TK2.G.R.04	L TK2.G.L.04
Yes	TOG.K.TK2.G.A1 R/L			24,0	43,0	22,0	29,0	10,0	10,0				

Order example: **TOG.K.TK2.G.A1 R** (R = 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
Index

Grooving and Profiling

CNC profiling, with general cutting edge geometry for a wide variety of workpiece materials.

Cutting parameters (start)	
f 0,02 mm/U	Vc Page 25

Suitable toolholders on page
6, 7, 8

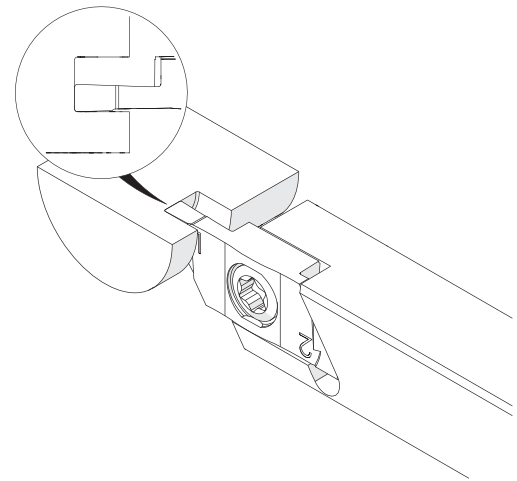
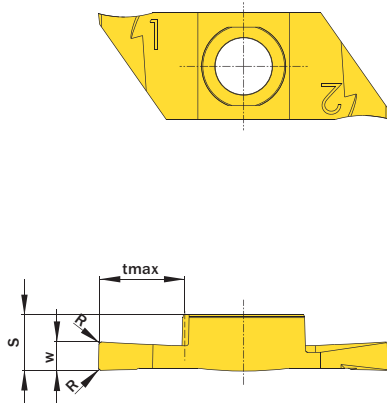
SP
HM

R

Legend

23

Scan QR-Code Or Visit
www.simtek.info/cp/1115



Drawing shows: TK2.G.200.020.060 NS R

w $\pm 0,02$	R	tmax	Part number	Webcode www.simtek.com/webcode	Our first choice		S	Connectcode www.simtek.com/code
					P	K M N S		
0,5	0,05	2,5	TK2.G.050.005.025 NS R/L	R AYHA L AYG9	X808 X408	3,8	R TK2.G.R.04 L TK2.G.L.04	
0,75	0,05	3,75	TK2.G.075.005.038 NS R/L	R AYG7 L AYG8	X808 X408	3,8	R TK2.G.R.04 L TK2.G.L.04	
1,0	0,05	5,0	TK2.G.100.005.050 NS R/L	R AYG6 L AYG5	X808 X408	3,8	R TK2.G.R.04 L TK2.G.L.04	
1,5	0,05	4,5	TK2.G.150.005.045 NS R/L	R A07B L A07A	X808 X408	3,85	R TK2.G.R.04 L TK2.G.L.04	
1,5	0,2	4,5	TK2.G.150.020.045 NS R/L	R AYG4 L AYG3	X808 X408	3,85	R TK2.G.R.04 L TK2.G.L.04	
2,0	0,05	6,0	TK2.G.200.005.060 NS R/L	R A07D L A07C	X808 X408	3,9	R TK2.G.R.04 L TK2.G.L.04	
2,0	0,2	6,0	TK2.G.200.020.060 NS R/L	R AYG2 L AYG1	X808 X408	3,9	R TK2.G.R.04 L TK2.G.L.04	
2,5	0,1	7,0	TK2.G.250.010.070 NS R/L	R A07F L A07E	X808 X408	3,9	R TK2.G.R.04 L TK2.G.L.04	
2,5	0,2	7,0	TK2.G.250.020.070 NS R/L	R AYG0 L AYGZ	X808 X408	3,9	R TK2.G.R.04 L TK2.G.L.04	
3,0	0,1	7,0	TK2.G.300.010.070 NS R/L	R A07H L A07G	X808 X408	3,9	R TK2.G.R.04 L TK2.G.L.04	
3,0	0,2	7,0	TK2.G.300.020.070 NS R/L	R AYG Y L AYG X	X808 X408	3,9	R TK2.G.R.04 L TK2.G.L.04	

Order example: **TK2.G.100.005.050 NS R X808** (R = Right hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Grooving and Profiling

CNC Profiling, with special cutting edge geometry for brass, copper-based alloys and short-chipping materials.

Cutting parameters (start)	
f 0,02 mm/U	Vc Page 25

Suitable toolholders on page
6, 7, 8

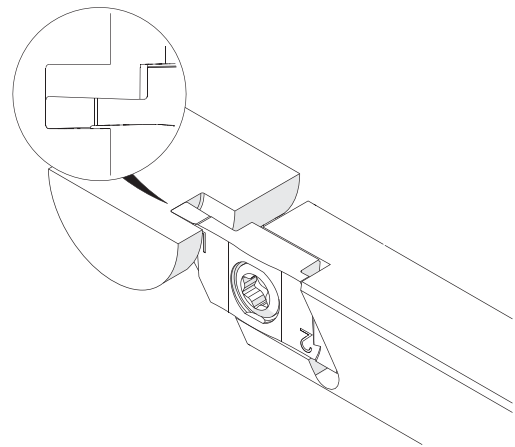
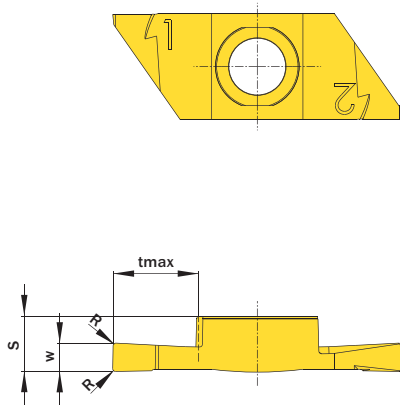
SP
HM

R

CU

Scan QR-Code Or Visit www.simtek.info/cp/1116

Legend **23**



Drawing shows: TK2.G.200.020.060 NU R

w ±0,02 mm	R mm	tmax mm	Part number	Webcode www.simtek.com/webcode	Our first choice				S mm	Connectcode www.simtek.com/ccode
					P	K	M	S		
0,5	0,05	2,5	TK2.G.050.005.025 NU R/L	R AYHB L AYHC	X808	X408			3,8	R TK2.G.R.04 L TK2.G.L.04
0,75	0,05	3,75	TK2.G.075.005.038 NU R/L	R AYHD L AYHE	X808	X408			3,8	R TK2.G.R.04 L TK2.G.L.04
1,0	0,05	5,0	TK2.G.100.005.050 NU R/L	R AYHG L AYHF	X808	X408			3,8	R TK2.G.R.04 L TK2.G.L.04
1,5	0,05	4,5	TK2.G.150.005.045 NU R/L	R A07K L A07J	X808	X408			3,85	R TK2.G.R.04 L TK2.G.L.04
1,5	0,2	4,5	TK2.G.150.020.045 NU R/L	R AYHJ L AYHH	X808	X408			3,85	R TK2.G.R.04 L TK2.G.L.04
2,0	0,05	6,0	TK2.G.200.005.060 NU R/L	R A07N L A07M	X808	X408			3,9	R TK2.G.R.04 L TK2.G.L.04
2,0	0,2	6,0	TK2.G.200.020.060 NU R/L	R AYHK L AYHM	X808	X408			3,9	R TK2.G.R.04 L TK2.G.L.04
2,5	0,1	7,0	TK2.G.250.010.070 NU R/L	R A07Q L A07P	X808	X408			3,9	R TK2.G.R.04 L TK2.G.L.04
2,5	0,2	7,0	TK2.G.250.020.070 NU R/L	R AYHN L AYHP	X808	X408			3,9	R TK2.G.R.04 L TK2.G.L.04
3,0	0,1	7,0	TK2.G.300.010.070 NU R/L	R A07T L A07S	X808	X408			3,9	R TK2.G.R.04 L TK2.G.L.04
3,0	0,2	7,0	TK2.G.300.020.070 NU R/L	R AYHS L AYHQ	X808	X408			3,9	R TK2.G.R.04 L TK2.G.L.04

Order example: **TK2.G.300.020.070 NU R X808** (R = Right hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Grooving and Profiling, Full Radius

Full radius, CNC profiling. Special cutting edge geometry for brass, copper-base alloys and short-chipping materials.

Cutting parameters (start)	
f 0,02 mm/U	Vc Page 25

Suitable toolholders on page
6, 7, 8

SP

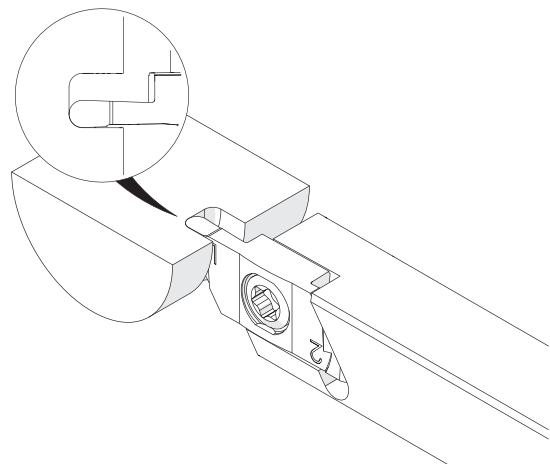
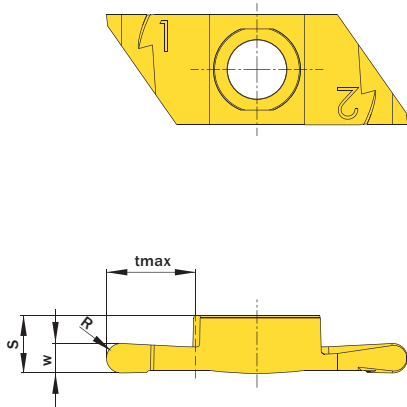
HM

R

CU

Legend **23**

Scan QR-Code Or Visit www.simtek.info/cp/1109



Drawing shows: TK2.G.200.100.060 VU R

w $\pm 0,02$	R	tmax	Part number	Webcode www.simtek.com/webcode	Our first choice		S mm	Connectcode www.simtek.com/ccode
					P	K M N S		
1,0	0,5	3,0	TK2.G.100.050.030 VU R/L	R AYE8 L AYE9	X808 X408	3,87	R TK2.G.R.04 L TK2.G.L.04	
1,2	0,6	3,6	TK2.G.120.060.036 VU R/L	R AYFA L AYFB	X808 X408	3,92	R TK2.G.R.04 L TK2.G.L.04	
1,6	0,8	4,8	TK2.G.160.080.048 VU R/L	R AYFD L AYFC	X808 X408	3,92	R TK2.G.R.04 L TK2.G.L.04	
2,0	1,0	6,0	TK2.G.200.100.060 VU R/L	R AYFF L AYFE	X808 X408	3,92	R TK2.G.R.04 L TK2.G.L.04	

Order example: **TK2.G.160.080.048 VU R X808** (R = Right hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Grooving and Profiling, Full Radius

Full radius, CNC profiling. With general cutting edge geometry for a wide variety of workpiece materials.

Cutting parameters (start)	
f 0,02 mm/U	Vc Page 25

Suitable toolholders on page
6, 7, 8

SP

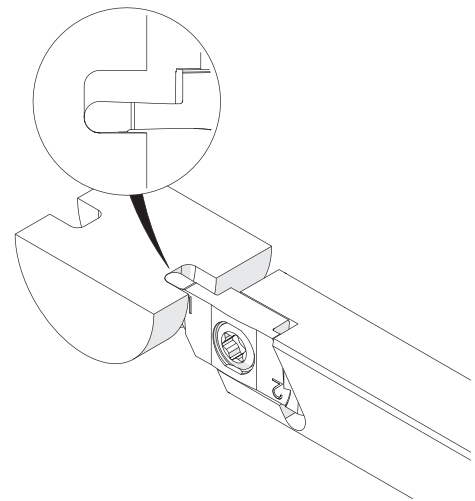
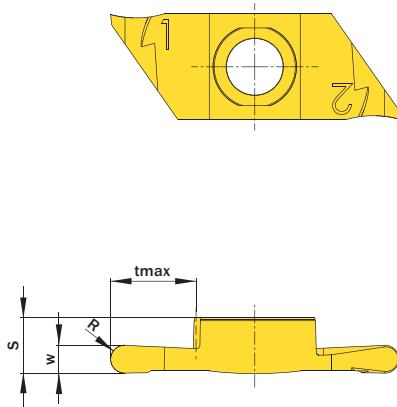
HM

R

Legend

23

Scan QR-Code Or Visit www.simtek.info/cp/1117



Drawing shows: TK2.G.200.100.060 VS R

w ±0,02 mm	R mm	tmax mm	Part number	Webcode www.simtek.com/webcode		Our first choice		S mm	Connectcode www.simtek.com/ccode	
				R	L	P	K		M	N
1,0	0,5	3,0	TK2.G.100.050.030 VS R/L	R AYH0	L AYHZ	X808	X408	3,87	R TK2.G.R.04	L TK2.G.L.04
1,2	0,6	3,6	TK2.G.120.060.036 VS R/L	R AYHY	L AYHX	X808	X408	3,92	R TK2.G.R.04	L TK2.G.L.04
1,6	0,8	4,8	TK2.G.160.080.048 VS R/L	R AYHV	L AYHW	X808	X408	3,92	R TK2.G.R.04	L TK2.G.L.04
2,0	1,0	6,0	TK2.G.200.100.060 VS R/L	R AYHT	L AYHU	X808	X408	3,92	R TK2.G.R.04	L TK2.G.L.04

Order example: **TK2.G.100.050.030 VS R X808** (R = Right hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Grooving and turning

The ground geometry of two cutting edges, that are directly on the rotation centre, ensure highest precision for grooving and turning applications with one tool. Optimum chip removal leads to high surface quality.

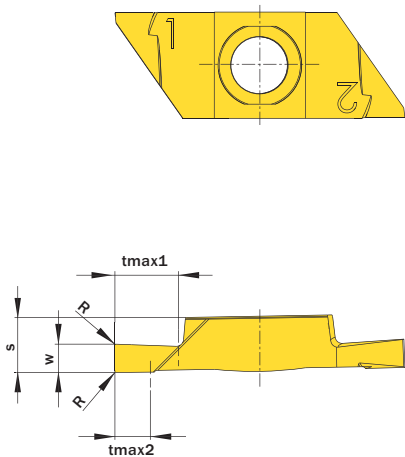
Cutting parameters (start)

f	Vc
0,02 mm/U	Page 25

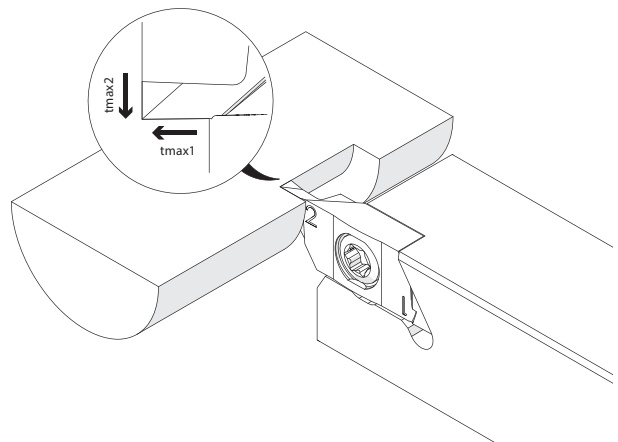
Suitable toolholders on page
6, 7, 8

Legend 23

Scan QR-Code Or Visit www.simtek.info/cp/1272



Drawing shows: TK2.G.R200.005 YP R



w	R	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	tmax1	tmax2	S	Connectcode www.simtek.com/code
mm	mm				mm	mm	mm	
▼ w = 1,0 mm								
1,0	-	TK2.G.R100.000 YP R	A14G	X808 X408	2,5	2,5	3,8	TK2.G.R.04
1,0	0,05	TK2.G.R100.005 YP R	A14H	X808 X408	2,5	2,5	3,8	TK2.G.R.04
▼ w = 1,5 mm								
1,5	0,05	TK2.G.R150.005 YP R	A14J	X808 X408	3,75	2,5	3,8	TK2.G.R.04
1,5	0,1	TK2.G.R150.010 YP R	A14K	X808 X408	3,75	2,5	3,8	TK2.G.R.04
▼ w = 2,0 mm								
2,0	0,05	TK2.G.R200.005 YP R	A14M	X808 X408	4,5	2,5	3,8	TK2.G.R.04
2,0	0,1	TK2.G.R200.010 YP R	A14N	X808 X408	4,5	2,5	3,8	TK2.G.R.04
2,0	0,2	TK2.G.R200.020 YP R	A14P	X808 X408	4,5	2,5	3,8	TK2.G.R.04

Order example: **TK2.G.R200.020 YP R X808** (R = Right hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Turning

For turning as well as for back turning „behind shoulder“.

Cutting parameters (start)	
f 0,05 mm/U	Vc Page 25

Suitable toolholders on page
6, 7, 8

SP

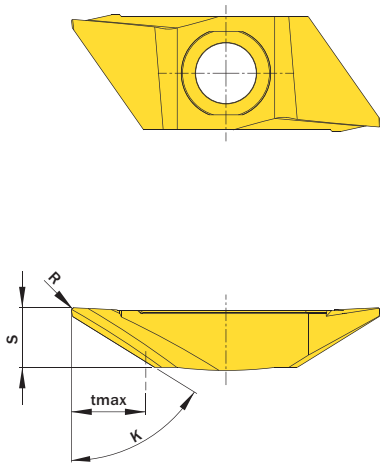
HM

R

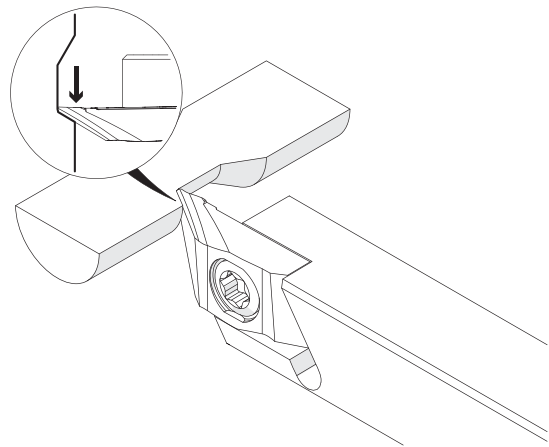
Legend

23

Scan QR-Code Or Visit www.simtek.info/cp/1110



Drawing shows: TK2.G.059.02.06.20 YY R



K	tmax mm	R mm	Part number	Webcode www.simtek.com/webcode		Our first choice		S mm	Connectcode www.simtek.com/ccode	
				P	K	M	N		S	R
59°	5,0	0,05	TK2.G.059.02.05.05 YYR/L	R A2BE	L A2BF	X808	X408	3,95	R TK2.G.R.04	L TK2.G.L.04
59°	5,0	0,1	TK2.G.059.02.05.10 YYR/L	R A150	L A153	X808	X408	3,95	R TK2.G.R.04	L TK2.G.L.04
59°	5,0	0,2	TK2.G.059.02.05.20 YYR/L	R AYFH	L AYFJ	X808	X408	3,95	R TK2.G.R.04	L TK2.G.L.04
59°	5,0	0,4	TK2.G.059.02.05.40 YYR/L	R AYFM	L AYFK	X808	X408	3,95	R TK2.G.R.04	L TK2.G.L.04

Order example: **TK2.G.059.02.05.10 YYR X808** (R = Right hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Turning, Cutting Edge Design „E“

Cutting Edge Design „E“, for high performance and chip control.

Cutting parameters (start)

f	Vc
0,02 mm/U	Page 25

Suitable toolholders on page
6, 7, 8

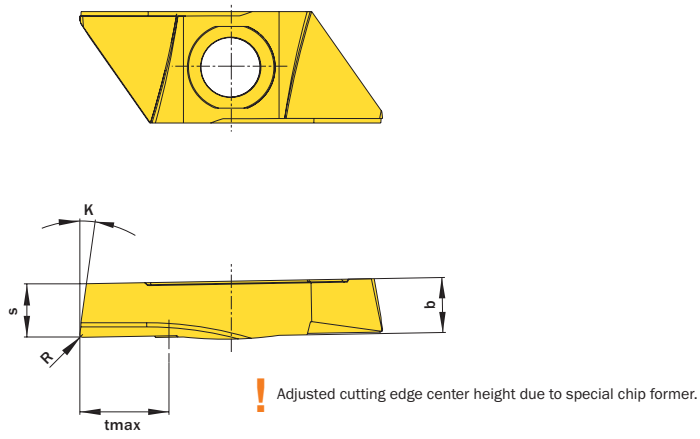
SP

HM

R

Legend **23**

Scan QR-Code Or Visit www.simtek.info/cp/1242



Drawing shows: TK2.G.008.10.020 YE R

K	R mm	Part number	Webcode www.simtek.com/webcode	Our first choice				b mm	S mm	tmax mm	Connectcode www.simtek.com/ccode
				P	K	M	S				
▼ κ=30°											
30°	0,2	TK2.G.030.10.020 YER/L	R A01W L A01X	X808	X408	3,7	3,6	6,0	R TK2.G.R.04 L TK2.G.L.04		
▼ κ=50°											
50°	0,2	TK2.G.050.10.020 YER/L	R A01V L A01U	X808	X408	3,7	3,6	6,0	R TK2.G.R.04 L TK2.G.L.04		
▼ κ=8°											
8°	0,2	TK2.G.008.10.020 YER/L	R A01Z L A01Y	X808	X408	3,7	3,6	6,0	R TK2.G.R.04 L TK2.G.L.04		

Order example: **TK2.G.008.10.020 YER X808** (R = Right hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Threading, UN, external, partial profile

Partial profile for external UN threads.

Cutting parameters (start)	
f	Vc
0,02 mm/U	Page 25

Suitable toolholders on page
6, 7, 8

SP

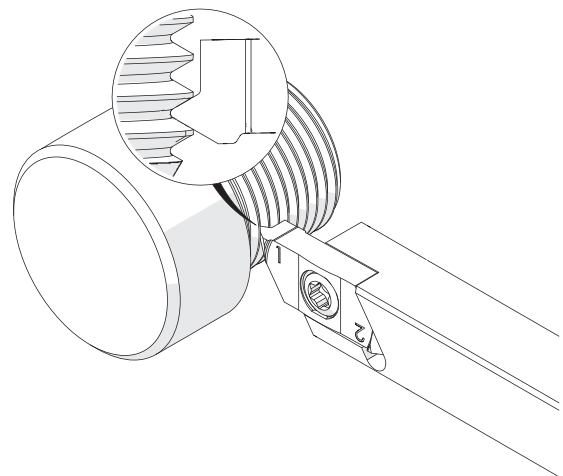
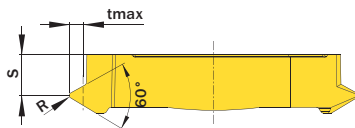
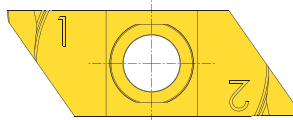
HM

R

Legend

23

Scan QR-Code Or Visit www.simtek.info/cp/1250



Drawing shows: TK2.G.M150.01 EMU R







Threads/Inch	Part number	Webcode www.simtek.com/webcode	Our first choice		b	tmax	R	S	Connectcode www.simtek.com/ccode
			P	K M N S					
14	TK2.G.UN14.01 EMU R/L	R A09S L A09Q X808 X408			4,1	1,11	0,26	3,0	R TK2.G.R.04 L TK2.G.L.04
16	TK2.G.UN16.01 EMU R/L	R A09U L A09T X808 X408			4,1	0,97	0,23	3,0	R TK2.G.R.04 L TK2.G.L.04
18	TK2.G.UN18.01 EMU R/L	R A09W L A09V X808 X408			4,1	0,87	0,2	3,0	R TK2.G.R.04 L TK2.G.L.04
20	TK2.G.UN20.01 EMU R/L	R A09Z L A09X X808 X408			4,1	0,78	0,18	3,0	R TK2.G.R.04 L TK2.G.L.04
24	TK2.G.UN24.01 EMU R/L	R A09A L A09B X808 X408			4,1	0,65	0,15	3,0	R TK2.G.R.04 L TK2.G.L.04

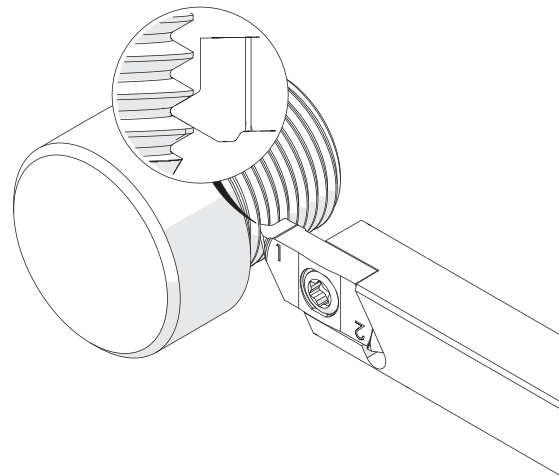
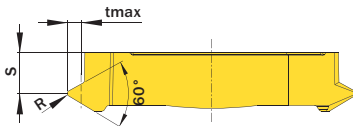
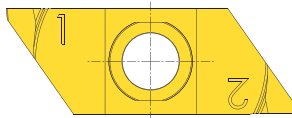
Order example: TK2.G.UN24.01 EMU R X808 (R = Right hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Threading, Metr. ISO, External, Partial Profile

Multi-purpose tools, usable for different pitches. Special cutting edge geometry for brass, copper-base alloys and short-chipping materials.

Cutting parameters (start)	
f 0,02 mm/U	Vc Page 25
Suitable toolholders on page 6, 7, 8	
Please read add. notes T01 (Seite/Page 22)	
     Legend 23	
 Scan QR-Code Or Visit www.simtek.info/cp/1132	



Drawing shows: TK2.G.M150.01 EMU R

Pitch (as of)	Pitch (up to)	Part number	Webcode www.simtek.com/webcode	Our first choice				R	S	tmax	Connectcode www.simtek.com/ccode
				P	K	M	S				
0,25	0,45	TK2.G.M025.01 EMU R/L	R AYK9 L AYK8	X808	X408	0,04	3,4	0,3	R TK2.G.R.04 L TK2.G.L.04		
0,4	0,6	TK2.G.M040.01 EMU R/L	R AYMD L AYMC	X808	X408	0,06	3,3	0,4	R TK2.G.R.04 L TK2.G.L.04		
0,5	0,75	TK2.G.M050.01 EMU R/L	R AYMH L AYMG	X808	X408	0,07	3,2	0,5	R TK2.G.R.04 L TK2.G.L.04		
0,7	1,0	TK2.G.M070.01 EMU R/L	R AYMK L AYMJ	X808	X408	0,1	3,1	0,7	R TK2.G.R.04 L TK2.G.L.04		
0,8	1,25	TK2.G.M080.01 EMU R/L	R AYMQ L AYMP	X808	X408	0,12	3,1	0,8	R TK2.G.R.04 L TK2.G.L.04		
1,0	1,5	TK2.G.M100.01 EMU R/L	R AYMT L AYMS	X808	X408	0,14	3,0	1,0	R TK2.G.R.04 L TK2.G.L.04		
1,25	1,75	TK2.G.M125.01 EMU R/L	R AYMV L AYMU	X808	X408	0,18	2,9	1,1	R TK2.G.R.04 L TK2.G.L.04		
1,5	2,0	TK2.G.M150.01 EMU R/L	R AYMX L AYMW	X808	X408	0,22	2,8	1,3	R TK2.G.R.04 L TK2.G.L.04		
1,75	2,5	TK2.G.M175.01 EMU R/L	R AYUU L AYUT	X808	X408	0,25	2,7	1,6	R TK2.G.R.04 L TK2.G.L.04		
2,0	2,5	TK2.G.M200.01 EMU R/L	R AYMZ L AYMY	X808	X408	0,29	2,6	1,6	R TK2.G.R.04 L TK2.G.L.04		

Order example: **TK2.G.M100.01 EMU R X808** (R = Right hand version, X808 = Grade)

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

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Threading, Metr. ISO, External, Full Profile

For a complete thread profile with correct depth, top radius and bottom radius. Special cutting edge geometry for brass, copper-base alloys and short-chipping materials.

Cutting parameters (start)	
f	Vc
0,02 mm/U	Page 25

Suitable toolholders on page
6, 7, 8

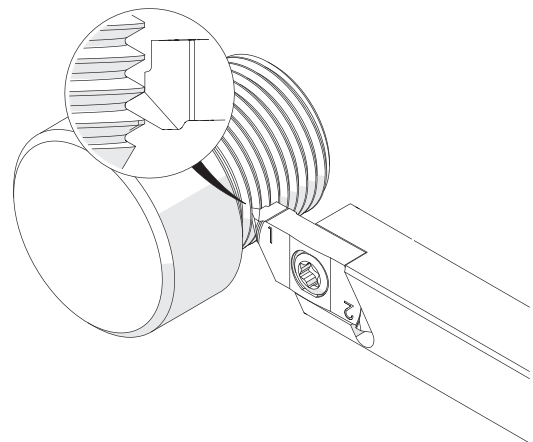
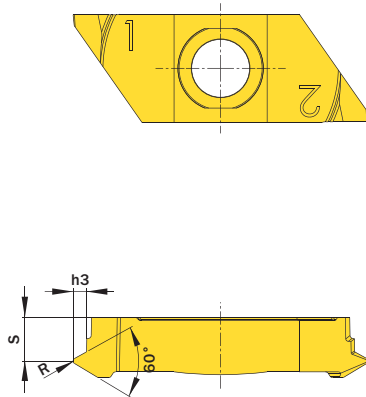
SP

HM

R

Legend **23**

Scan QR-Code
 Or Visit www.simtek.info/cp/1131



Drawing shows: TK2.G.M150.02 EMU R

Pitch (as of)	Part number	Webcode www.simtek.com/webcode		Our first choice				h3	R	S	Connectcode www.simtek.com/code	
				P	K	M	N					
0,25	TK2.G.M025.02 EMU R/L	R AYM5	L AYM4	X808	X408			0,15	0,04	3,6	R TK2.G.R.04	L TK2.G.L.04
0,35	TK2.G.M035.02 EMU R/L	R AYM7	L AYM6	X808	X408			0,22	0,05	3,5	R TK2.G.R.04	L TK2.G.L.04
0,4	TK2.G.M040.02 EMU R/L	R AYM9	L AYM8	X808	X408			0,25	0,06	3,5	R TK2.G.R.04	L TK2.G.L.04
0,45	TK2.G.M045.02 EMU R/L	R AYNB	L AYNA	X808	X408			0,28	0,07	3,5	R TK2.G.R.04	L TK2.G.L.04
0,5	TK2.G.M050.02 EMU R/L	R AYND	L AYNC	X808	X408			0,31	0,07	3,4	R TK2.G.R.04	L TK2.G.L.04
0,7	TK2.G.M070.02 EMU R/L	R AYNE	L AYNF	X808	X408			0,43	0,1	3,3	R TK2.G.R.04	L TK2.G.L.04
0,75	TK2.G.M075.02 EMU R/L	R AYNH	L AYNG	X808	X408			0,46	0,11	3,3	R TK2.G.R.04	L TK2.G.L.04
0,8	TK2.G.M080.02 EMU R/L	R AYNK	L AYNJ	X808	X408			0,49	0,11	3,3	R TK2.G.R.04	L TK2.G.L.04
1,0	TK2.G.M100.02 EMU R/L	R AYNN	L AYNM	X808	X408			0,61	0,12	3,2	R TK2.G.R.04	L TK2.G.L.04
1,25	TK2.G.M125.02 EMU R/L	R AYNQ	L AYNP	X808	X408			0,77	0,15	3,1	R TK2.G.R.04	L TK2.G.L.04
1,5	TK2.G.M150.02 EMU R/L	R AYNT	L AYNS	X808	X408			0,92	0,2	3,0	R TK2.G.R.04	L TK2.G.L.04
1,75	TK2.G.M175.02 EMU R/L	R AYNV	L AYNU	X808	X408			1,07	0,25	2,9	R TK2.G.R.04	L TK2.G.L.04
2,0	TK2.G.M200.02 EMU R/L	R AYNX	L AYNW	X808	X408			1,23	0,25	2,8	R TK2.G.R.04	L TK2.G.L.04
2,5	TK2.G.M250.02 EMU R/L	R AYNZ	L AYNY	X808	X408			1,53	0,35	2,6	R TK2.G.R.04	L TK2.G.L.04
3,0	TK2.G.M300.02 EMU R/L	R AYN1	L AYN0	X808	X408			1,84	0,4	2,4	R TK2.G.R.04	L TK2.G.L.04

Order example: **TK2.G.M045.02 EMU R X808** (R = Right hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Threading, UN, external, full profile

For a complete thread profile with correct depth.

Cutting parameters (start)	
f	Vc
0,02 mm/U	Page 25

Suitable toolholders on page
6, 7, 8

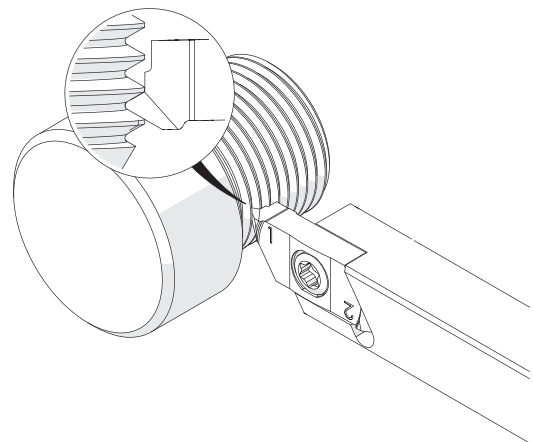
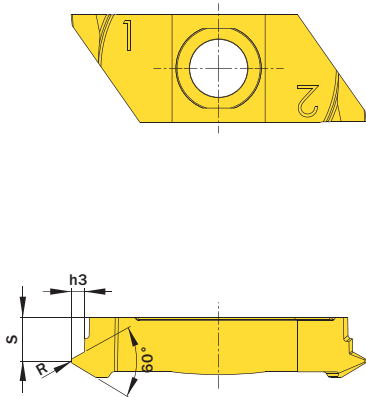
SP

HM

R

Legend **23**

Scan QR-Code Or Visit www.simtek.info/cp/1251



Drawing shows: TK2.G.M150.02 EMU R

Threads/Inch	Part number	Webcode www.simtek.com/webcode		Our first choice		b	h3	R	S	Connectcode www.simtek.com/ccode	
				P	K						
14	TK2.G.UN14.02 EMU R/L	R A091	L A090	X808	X408	4,1	1,11	0,26	3,0	R TK2.G.R.04	L TK2.G.L.04
16	TK2.G.UN16.02 EMU R/L	R A093	L A092	X808	X408	4,1	0,97	0,23	3,0	R TK2.G.R.04	L TK2.G.L.04
18	TK2.G.UN18.02 EMU R/L	R A095	L A094	X808	X408	4,1	0,87	0,2	3,0	R TK2.G.R.04	L TK2.G.L.04
20	TK2.G.UN20.02 EMU R/L	R A097	L A096	X808	X408	4,1	0,78	0,18	3,0	R TK2.G.R.04	L TK2.G.L.04
24	TK2.G.UN24.02 EMU R/L	R A09D	L A09C	X808	X408	4,1	0,65	0,15	3,0	R TK2.G.R.04	L TK2.G.L.04

Order example: **TK2.G.UN24.02 EMU R X808** (R = Right hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

Parting Off

Available in different angles, widths and with/without ground chip form channel.

Cutting parameters (start)	
f 0,02 mm/U	Vc Page 25

Suitable toolholders on page
6, 7, 8

SP

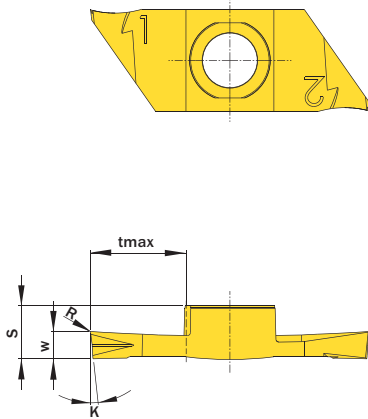
HM

R

Legend

23

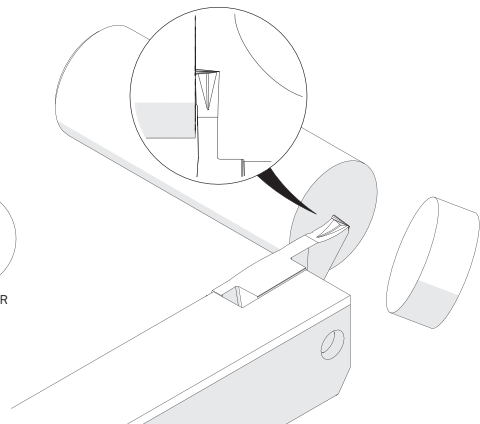
Scan QR-Code Or Visit www.simtek.info/cp/1119



Similar illustrations



Machineable materials. See below.



Drawing shows: TK2.G.R200.06.005 PT R

w ^{-0,05} mm	K	R mm	With chip form channel	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	S mm	tmax mm	Connectcode www.simtek.com/code
▼ w = 1,0 mm									
1,0	6°	0,05	No	TK2.G.R100.06.005 PS R	AYJQ	X808 X408	3,8	4,0	TK2.G.R.04
1,0	6°	0,05	Yes	TK2.G.R100.06.005 PT R	AYJK	X808 X408	3,8	4,0	TK2.G.R.04
1,0	6°	0,05	No	TK2.G.R100.06.005 PU R	AYJJ	X808 X408	3,8	4,0	TK2.G.R.04
1,0	12°	0,05	No	TK2.G.R100.12.005 PS R	AYJF	X808 X408	3,8	4,0	TK2.G.R.04
1,0	12°	0,05	Yes	TK2.G.R100.12.005 PT R	AYJS	X808 X408	3,8	4,0	TK2.G.R.04
1,0	12°	0,05	No	TK2.G.R100.12.005 PU R	AYJE	X808 X408	3,8	4,0	TK2.G.R.04
▼ w = 1,5 mm									
1,5	6°	0,05	No	TK2.G.R150.06.005 PS R	AYJP	X808 X408	3,85	6,0	TK2.G.R.04
1,5	6°	0,05	Yes	TK2.G.R150.06.005 PT R	AYJM	X808 X408	3,85	6,0	TK2.G.R.04
1,5	6°	0,05	No	TK2.G.R150.06.005 PU R	AYJH	X808 X408	3,85	6,0	TK2.G.R.04
1,5	12°	0,05	No	TK2.G.R150.12.005 PS R	AYJG	X808 X408	3,85	6,0	TK2.G.R.04
1,5	12°	0,05	Yes	TK2.G.R150.12.005 PT R	AYJT	X808 X408	3,85	6,0	TK2.G.R.04
1,5	12°	0,05	No	TK2.G.R150.12.005 PU R	AYJD	X808 X408	3,85	6,0	TK2.G.R.04
▼ w = 2,0 mm									
2,0	6°	0,05	Yes	TK2.G.R200.06.005 PT R	AYJN	X808 X408	3,9	7,0	TK2.G.R.04
2,0	12°	0,05	Yes	TK2.G.R200.12.005 PT R	AYJU	X808 X408	3,9	7,0	TK2.G.R.04

Order example: **TK2.G.R150.12.005 PT R X808** (R = Right hand version, X808 = Grade)

- TK2.G.R...PS R: For a wide variety of workpiece materials.
- TK2.G.R...PU R: For brass, copper-based alloys and short-chipping materials
- TK2.G.R...PT R: For a wide variety of workpiece materials as well as especially for long-chipping materials and high cutting depths.

Parting Off

Available in different widths.

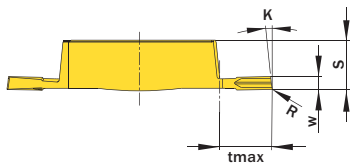
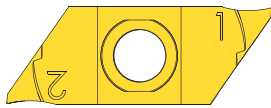
Cutting parameters (start)	
f 0,02 mm/U	Vc Page 25

Suitable toolholders on page
6, 8

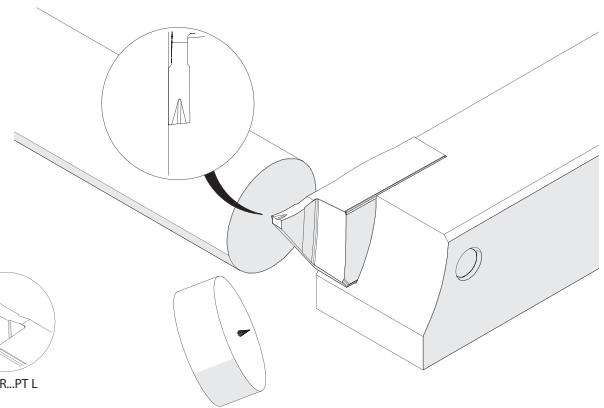
SP
HM **R**

Scan QR-Code Or Visit
www.simtek.info/cp/1287

Legend **23**



Similar illustrations



Drawing shows: TK2.G.R100.06.005 PT L

w ^{-0,05} mm	K	R mm	With chip form channel	Part number	Webcode www.simtek.com/webcode	Our first choice P K M N S	S mm	tmax mm	Connectcode www.simtek.com/code
▼ w = 1,0 mm									
1,0	6°	0,05	Yes	TK2.G.R100.06.005 PT L	A2S0	X808 X408	3,8	4,0	TK2.G.L.04
1,0	12°	0,05	No	TK2.G.R100.12.005 PS L	AZT2	X808 X408	3,8	4,0	TK2.G.L.04
▼ w = 1,5 mm									
1,5	6°	0,05	Yes	TK2.G.R150.06.005 PT L	A2S1	X808 X408	3,85	6,0	TK2.G.L.04
1,5	12°	0,05	No	TK2.G.R150.12.005 PS L	A2WC	X808 X408	3,85	6,0	TK2.G.L.04

Order example: **TK2.G.R100.12.005 PS L X808** (L = Left hand version, X808 = Grade)

simturn AX
simturn DX
simturn H2
simturn K2
simturn C4
simturn GX
simturn E3
simturn E12
simturn FX
simturn Decolletage
simturn OA
Index

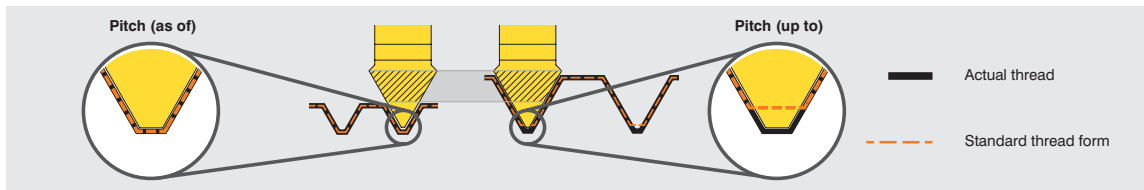
Additional information

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

Info

Legend

-  Carbide insert
-  Steel toolholder
-  Right hand version shown, left hand version inversely
-  For brass, copper-base alloys and other short-chipping materials
-  Only suitable for external applications

simturn AX

simturn DX

simturn H2

simturn K2

simturn C4

simturn GX

simturn E3

simturn E12

simturn FX

simturn
Decolletage

simturn OA

Index

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simturn KX Product list

Part Nr.	P	Part Nr.	P	Part Nr.	P
TK2.G.0.375.A.14.04 R	6	TK2.G.200.020.060 NU R	10	TK2.G.M200.02 EMU R	18
TK2.G.0.500.A.14.04 L	6	TK2.G.200.100.060 VS L	12	TK2.G.M250.02 EMU L	18
TK2.G.0.500.A.14.04 R	6	TK2.G.200.100.060 VS R	12	TK2.G.M250.02 EMU R	18
TK2.G.0.625.A.14.04 L	6	TK2.G.200.100.060 VU L	11	TK2.G.M300.02 EMU L	18
TK2.G.0.625.A.14.04 R	6	TK2.G.200.100.060 VU R	11	TK2.G.M300.02 EMU R	18
TK2.G.0.750.A.14.04 R	7	TK2.G.250.010.070 NS L	9	TK2.G.R100.000 YP R	13
TK2.G.008.10.020 YEL	15	TK2.G.250.010.070 NS R	9	TK2.G.R100.005 YP R	13
TK2.G.008.10.020 YER	15	TK2.G.250.010.070 NU L	10	TK2.G.R100.06.005 PS R	20
TK2.G.030.10.020 YEL	15	TK2.G.250.010.070 NU R	10	TK2.G.R100.06.005 PT L	21
TK2.G.030.10.020 YER	15	TK2.G.250.020.070 NS L	9	TK2.G.R100.06.005 PT R	20
TK2.G.050.005.025 NS L	9	TK2.G.250.020.070 NS R	9	TK2.G.R100.06.005 PU R	20
TK2.G.050.005.025 NS R	9	TK2.G.250.020.070 NU L	10	TK2.G.R100.12.005 PS L	21
TK2.G.050.005.025 NU L	10	TK2.G.250.020.070 NU R	10	TK2.G.R100.12.005 PS R	20
TK2.G.050.005.025 NU R	10	TK2.G.300.010.070 NS L	9	TK2.G.R100.12.005 PT R	20
TK2.G.050.10.020 YEL	15	TK2.G.300.010.070 NS R	9	TK2.G.R100.12.005 PU R	20
TK2.G.050.10.020 YER	15	TK2.G.300.010.070 NU L	10	TK2.G.R150.005 YP R	13
TK2.G.059.02.05.05 YYL	14	TK2.G.300.010.070 NU R	10	TK2.G.R150.010 YP R	13
TK2.G.059.02.05.05 YYR	14	TK2.G.300.020.070 NS L	9	TK2.G.R150.06.005 PS R	20
TK2.G.059.02.05.10 YYL	14	TK2.G.300.020.070 NS R	9	TK2.G.R150.06.005 PT L	21
TK2.G.059.02.05.10 YYR	14	TK2.G.300.020.070 NU L	10	TK2.G.R150.06.005 PT R	20
TK2.G.059.02.05.20 YYL	14	TK2.G.300.020.070 NU R	10	TK2.G.R150.06.005 PU R	20
TK2.G.059.02.05.20 YYR	14	TK2.G.M025.01 EMU L	17	TK2.G.R150.12.005 PS L	21
TK2.G.059.02.05.40 YYL	14	TK2.G.M025.01 EMU R	17	TK2.G.R150.12.005 PS R	20
TK2.G.059.02.05.40 YYR	14	TK2.G.M025.02 EMU L	18	TK2.G.R150.12.005 PT R	20
TK2.G.075.005.038 NS L	9	TK2.G.M025.02 EMU R	18	TK2.G.R150.12.005 PU R	20
TK2.G.075.005.038 NS R	9	TK2.G.M035.02 EMU L	18	TK2.G.R200.005 YP R	13
TK2.G.075.005.038 NU L	10	TK2.G.M035.02 EMU R	18	TK2.G.R200.010 YP R	13
TK2.G.075.005.038 NU R	10	TK2.G.M040.01 EMU L	17	TK2.G.R200.020 YP R	13
TK2.G.1.000.A.14.04 R	7	TK2.G.M040.01 EMU R	17	TK2.G.R200.06.005 PT R	20
TK2.G.100.005.050 NS L	9	TK2.G.M040.02 EMU L	18	TK2.G.R200.12.005 PT R	20
TK2.G.100.005.050 NS R	9	TK2.G.M040.02 EMU R	18	TK2.G.UN14.01 EMU L	16
TK2.G.100.005.050 NU L	10	TK2.G.M045.02 EMU L	18	TK2.G.UN14.01 EMU R	16
TK2.G.100.005.050 NU R	10	TK2.G.M045.02 EMU R	18	TK2.G.UN14.02 EMU L	19
TK2.G.100.050.030 VS L	12	TK2.G.M050.01 EMU L	17	TK2.G.UN14.02 EMU R	19
TK2.G.100.050.030 VS R	12	TK2.G.M050.01 EMU R	17	TK2.G.UN16.01 EMU L	16
TK2.G.100.050.030 VU L	11	TK2.G.M050.02 EMU L	18	TK2.G.UN16.01 EMU R	16
TK2.G.100.050.030 VU R	11	TK2.G.M050.02 EMU R	18	TK2.G.UN16.02 EMU L	19
TK2.G.1010.A.14.04 L	6	TK2.G.M070.01 EMU L	17	TK2.G.UN16.02 EMU R	19
TK2.G.1010.A.14.04 R	6	TK2.G.M070.01 EMU R	17	TK2.G.UN18.01 EMU L	16
TK2.G.120.060.036 VS L	12	TK2.G.M070.02 EMU L	18	TK2.G.UN18.01 EMU R	16
TK2.G.120.060.036 VS R	12	TK2.G.M070.02 EMU R	18	TK2.G.UN18.02 EMU L	19
TK2.G.120.060.036 VU L	11	TK2.G.M075.02 EMU L	18	TK2.G.UN18.02 EMU R	19
TK2.G.120.060.036 VU R	11	TK2.G.M075.02 EMU R	18	TK2.G.UN20.01 EMU L	16
TK2.G.1212.A.14.04 L	6	TK2.G.M080.01 EMU L	17	TK2.G.UN20.01 EMU R	16
TK2.G.1212.A.14.04 R	6	TK2.G.M080.01 EMU R	17	TK2.G.UN20.02 EMU L	19
TK2.G.150.005.045 NS L	9	TK2.G.M080.02 EMU L	18	TK2.G.UN20.02 EMU R	19
TK2.G.150.005.045 NS R	9	TK2.G.M080.02 EMU R	18	TK2.G.UN24.01 EMU L	16
TK2.G.150.005.045 NU L	10	TK2.G.M100.01 EMU L	17	TK2.G.UN24.01 EMU R	16
TK2.G.150.005.045 NU R	10	TK2.G.M100.01 EMU R	17	TK2.G.UN24.02 EMU L	19
TK2.G.150.020.045 NS L	9	TK2.G.M100.02 EMU L	18	TK2.G.UN24.02 EMU R	19
TK2.G.150.020.045 NS R	9	TK2.G.M100.02 EMU R	18	TOG.K.TK2.G.A1 L	8
TK2.G.150.020.045 NU L	10	TK2.G.M125.01 EMU L	17	TOG.K.TK2.G.A1 R	8
TK2.G.150.020.045 NU R	10	TK2.G.M125.01 EMU R	17		
TK2.G.160.080.048 VS L	12	TK2.G.M125.02 EMU L	18		
TK2.G.160.080.048 VS R	12	TK2.G.M125.02 EMU R	18		
TK2.G.160.080.048 VU L	11	TK2.G.M150.01 EMU L	17		
TK2.G.160.080.048 VU R	11	TK2.G.M150.01 EMU R	17		
TK2.G.1616.A.14.04 L	6	TK2.G.M150.02 EMU L	18		
TK2.G.1616.A.14.04 R	6	TK2.G.M150.02 EMU R	18		
TK2.G.200.005.060 NS L	9	TK2.G.M175.01 EMU L	17		
TK2.G.200.005.060 NS R	9	TK2.G.M175.01 EMU R	17		
TK2.G.200.005.060 NU L	10	TK2.G.M175.02 EMU L	18		
TK2.G.200.005.060 NU R	10	TK2.G.M175.02 EMU R	18		
TK2.G.200.020.060 NS L	9	TK2.G.M200.01 EMU L	17		
TK2.G.200.020.060 NS R	9	TK2.G.M200.01 EMU R	17		
TK2.G.200.020.060 NU L	10	TK2.G.M200.02 EMU L	18		

Information About The Cutting Parameters

Cutting speed recommendation as of page

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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		

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simturn DX

simturn H2

simturn K2

simturn C4

simturn GX

simturn E3

simturn E12

simturn FX

simturn Decolletage

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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

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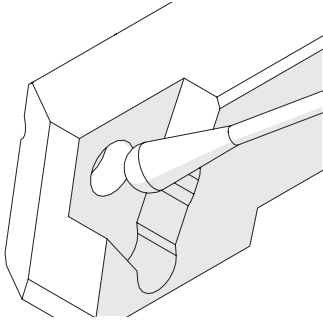
Cutting Speed Recommendation

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 $\alpha + \beta$ alloys, annealed	*X79	40
			$\alpha + \beta$ 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	

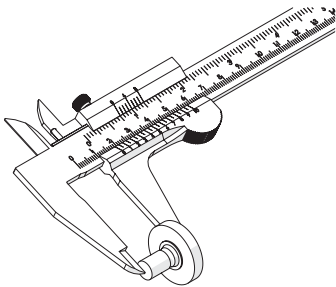
¹⁾ For best results, a special cutting edge geometry is recommended here. Please contact our technical support +1 862 757 8130 oder usa@simtek.com.

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.