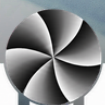


TOOLS AND INSERTS FOR GROOVING

*Engineered for Precision.
Built for Performance.*

ptspremier.com


PREMIER
TOOLING SYSTEMS

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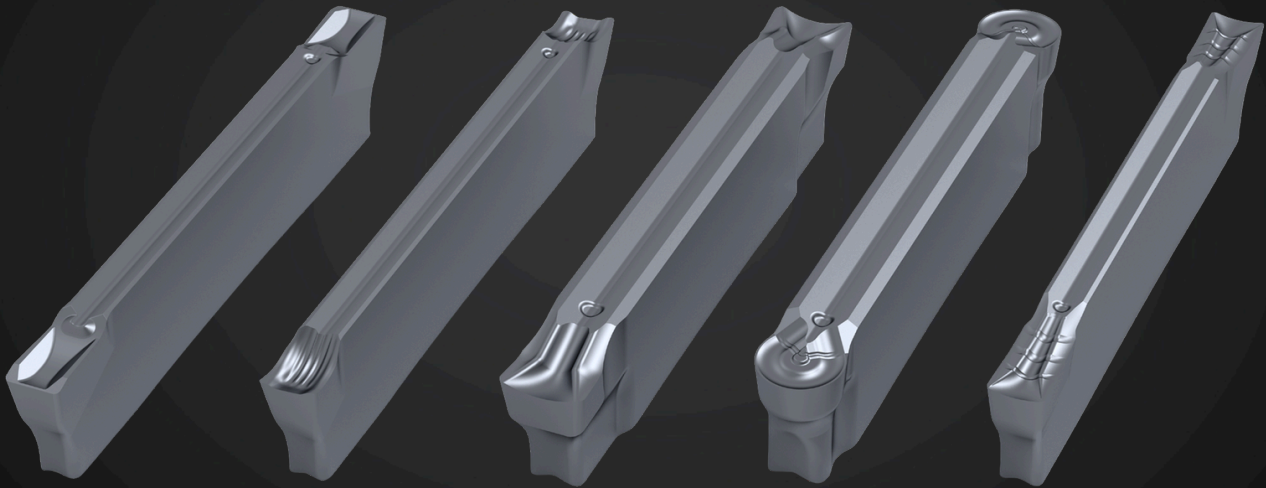
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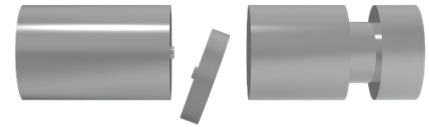
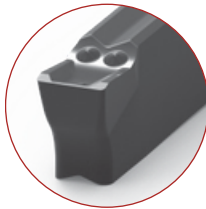
Cutting geometries



GD/GO

■ ■ GPP – Medium cutting

- ▲ Insert with narrow negative chamfer
- ▲ Suitable for all steel materials with high strength
- ▲ Suitable for all applications
- ▲ For steel and grey cast iron

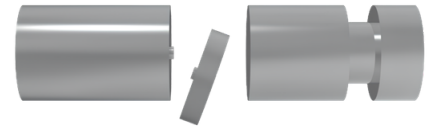
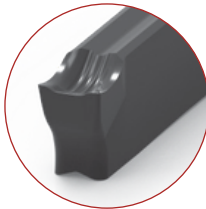


Parting

Grooving

■ ■ GUP – Very soft cutting

- ▲ Excellent cutting chip breaker with low cutting forces
- ▲ For low or medium strength materials
- ▲ Particularly suitable for parting off tubes and thin-walled work pieces
- ▲ High cutting edge stability
- ▲ Excellent chip control also with low feed
- ▲ Low built up edge

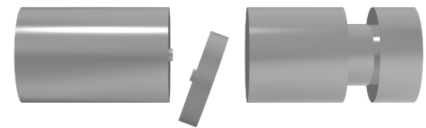
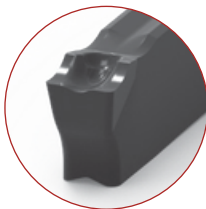


Parting

Grooving

■ ■ GMP – Stainless und super alloys

- ▲ Especially for stainless steel
- ▲ Problem solver for steel machining



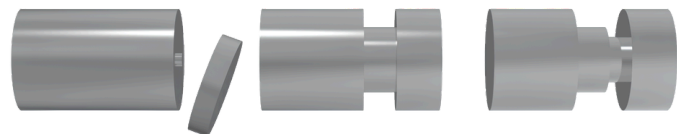
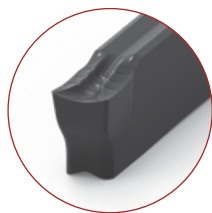
Parting

Grooving

GD/GO

GUT – Grooving and Turning

- ▲ For grooving and turning
- ▲ Suitable for all steel and stainless steel materials
- ▲ Very good chip control



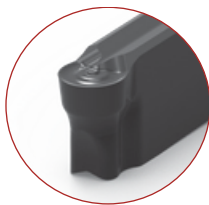
Parting

Grooving

Turning

GPR – Radius grooves

- ▲ Insert for radius grooves
- ▲ For copy turning
- ▲ Suitable for all steel and cast iron materials



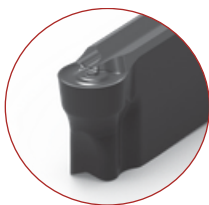
Grooving

Turning



GMR – General application and Turning

- ▲ Especially for stainless steel materials



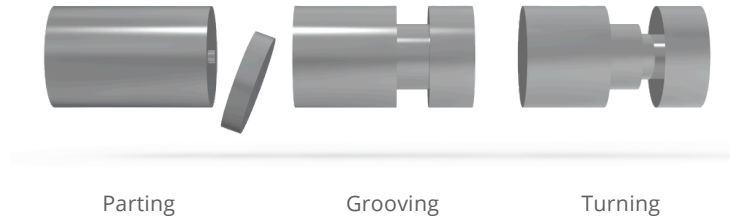
Grooving

Turning

GD/GO

■ GNT – Non ferrous metals

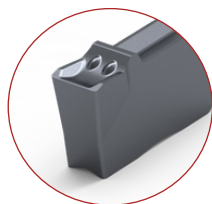
- ▲ Insert with highly positive cutting chipbreaker and sharp cutting edge
- ▲ Extra-smooth rake face through “microfinish”
- ▲ Reduced built-up edge



GS

■ ■ GPP – Medium cutting

- ▲ Insert with narrow negative chamfer
- ▲ Suitable for all steel materials with high strength
- ▲ Suitable for all applications
- ▲ For steel and grey cast iron

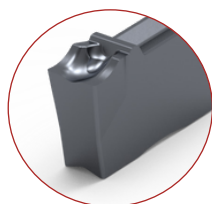


Parting

Grooving

■ ■ GMP – Stainless and super alloys

- ▲ Especially for stainless steel
- ▲ Problem solver for steel machining

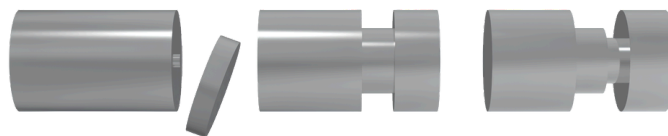


Parting

Grooving

■ ■ GUT – Grooving and Turning

- ▲ For grooving and turning
- ▲ Suitable for all steel and cast iron materials
- ▲ Very good chip control



Parting

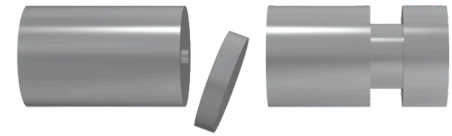
Grooving

Turning

GS

■ GNT – Non ferrous metals

- ▲ Insert with highly positive cutting chipbreaker and sharp cutting edge
- ▲ Extra-smooth rake face through “microfinish”
- ▲ Reduced built-up edge



Parting

Grooving

■ ■ GPR – General application and Turning

- ▲ Insert for radius grooves
- ▲ For copy turning
- ▲ Suitable for all steel and cast iron materials



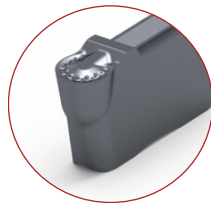
Grooving

Turning



■ GMR – General application and Turning

- ▲ Especially for stainless steel materials



Grooving

Turning

GA

■ ■ GUT – Grooving and Turning

- ▲ For grooving and turning
- ▲ Suitable for all steel and stainless steel materials
- ▲ Very good chip control



Grooving

Turning

■ ■ GPR – General application and Turning

- ▲ Insert for radius grooves
- ▲ For copy turning
- ▲ Suitable for all steel and cast iron materials



Grooving

Turning

Application

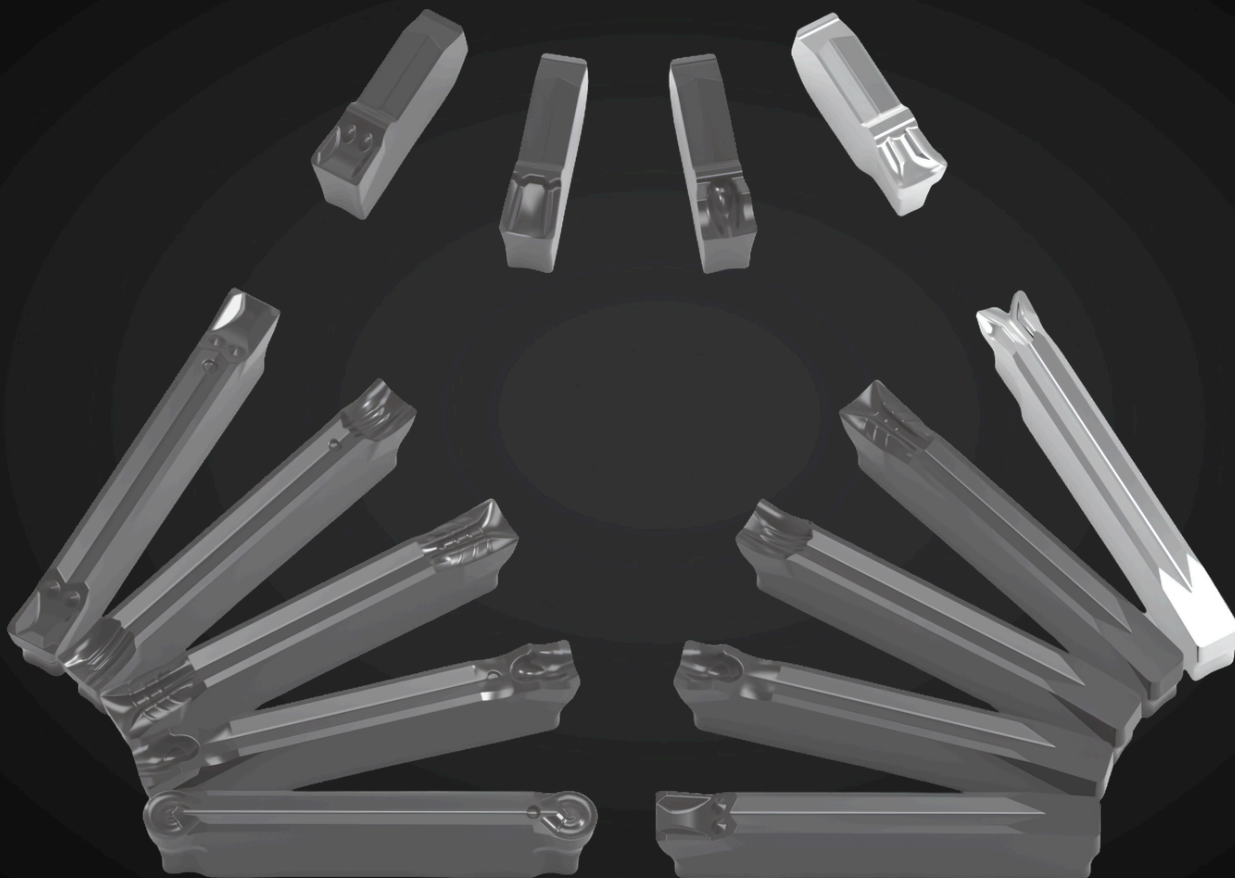
GD/GO/GA

Material Group		Choice chipbreaker	Grades	
		First choice	First choice	Higher wear resistance Higher toughness
	Steel	GPP – GUP	PPTS1340	PTSCP320ST PTSP345
		GUT – GPR	PTSP1340	
	Stainless steel	GMP – GUP – GUT – GPR – GMR	PTSP1340	PTSP345
	Cast iron	GPP	PTSP1340	PTSCP320ST PTSP345
		GPR	PTSP1340	
	Exotic	GMP	PTSP345	
	Non-ferrous metals	GNT	PTSWN715	

GS

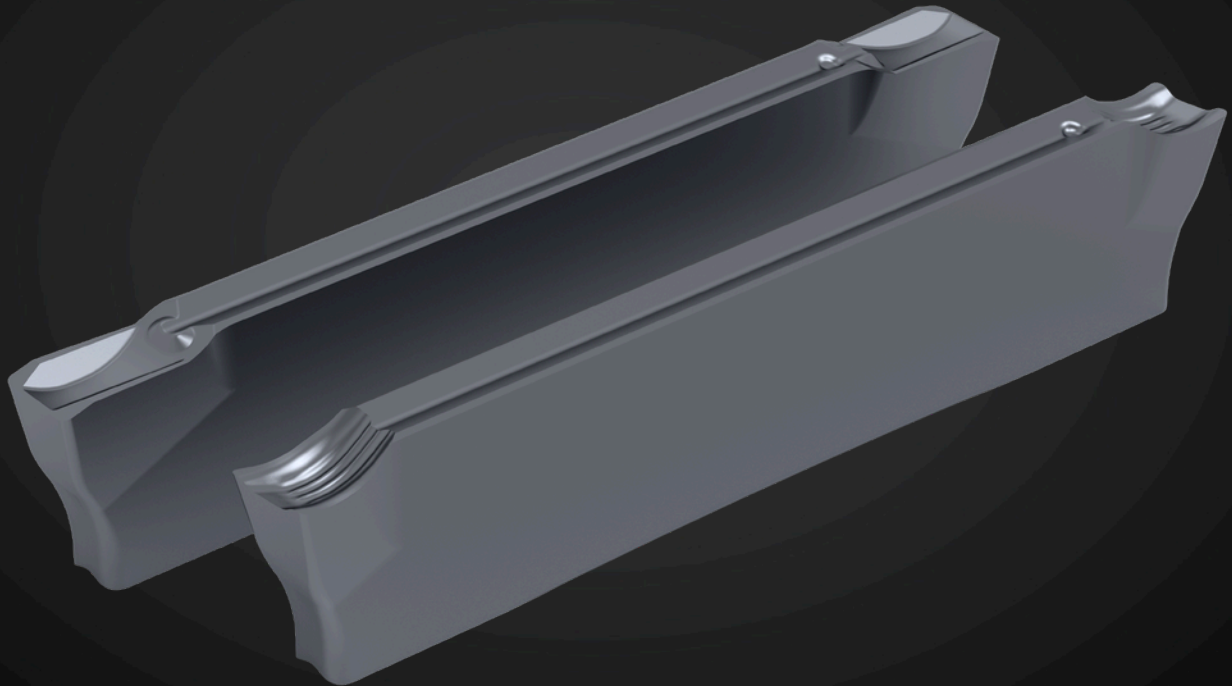
Material Group		Choice chipbreaker	Grades	
		First choice	First choice	Higher wear resistance Higher toughness
	Steel	GPP – GUT – GPR	PTSP1340	PTSCP320ST PTSP345
	Stainless steel	GMP – GMR	PTSP1340	PTSP345
	Cast iron	GPP – GUT	PTSP1340	PTSP345
	Non-ferrous metals	GNT	PTSWN715	

Inserts



GD

Double-sided

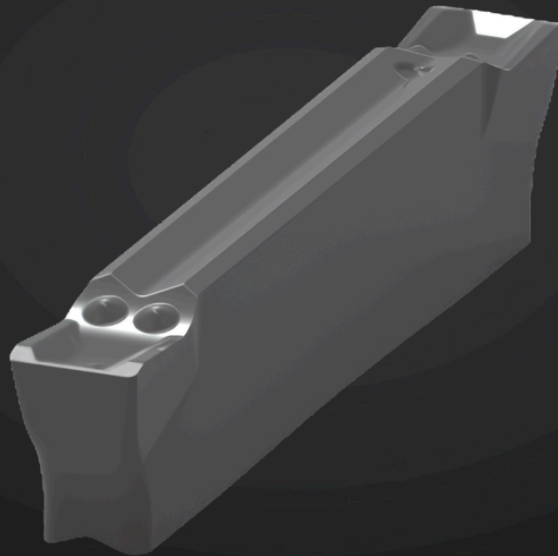


GPP

0.059 – 0.315

P

K



GD – GPP

Insert		NEW			Designation	Material number	Available
0.059					GD24NT-15.015-00-GPP PTSCP320ST	12599663	○
					GD24NT-15.015-00-GPP PTSP1340	12599660	●
					GD24NT-15.015-00-GPP PTSP345	12599666	●
0.079					GD24LT-20.015-06-GPP PTSCP320ST	12248387	○
					GD24LT-20.015-06-GPP PTSP1340	12248382	●
					GD24LT-20.015-06-GPP PTSP345	12248392	●
					GD24NT-20.02-00-GPP PTSCP320ST	12158331	●
					GD24NT-20.02-00-GPP PTSP1340	12158330	●
					GD24NT-20.02-00-GPP PTSP345	12158332	●
					GD24RT-20.015-06-GPP PTSCP320ST	12248400	○
					GD24RT-20.015-06-GPP PTSP1340	12248396	●
					GD24RT-20.015-06-GPP PTSP345	12248401	●
0.118					GD24LT-30.02-06-GPP PTSCP320ST	12235866	○
					GD24LT-30.02-06-GPP PTSP1340	12235863	●
					GD24LT-30.02-06-GPP PTSP345	12235868	●
					GD24NT-30.02-00-GPP PTSCP320ST	12149223	●
					GD24NT-30.02-00-GPP PTSP1340	12141178	●
					GD24NT-30.02-00-GPP PTSP345	12149224	●
					GD24RT-30.02-06-GPP PTSCP320ST	12235873	○
					GD24RT-30.02-06-GPP PTSP1340	12235871	●
					GD24RT-30.02-06-GPP PTSP345	12235877	●

● available from stock, ○ available upon request

Insert	Designation	Material number	Available
0.157	 GD24LT-40.03-04-GPP PTSCP320ST	12416667	○
	GD24LT-40.03-04-GPP PTSP1340	12416662	●
	GD24LT-40.03-04-GPP PTSP345	12416668	●
	 GD24NT-40.03-00-GPP PTSCP320ST	12149566	●
	GD24NT-40.03-00-GPP PTSP1340	12149565	●
	GD24NT-40.03-00-GPP PTSP345	12149567	●
	 GD24RT-40.03-04-GPP PTSCP320ST	12416653	○
	GD24RT-40.03-04-GPP PTSP1340	12416651	●
	GD24RT-40.03-04-GPP PTSP345	12416656	●
0.197	 GD24NT-50.04-00-GPP PTSCP320ST	12336861	●
	GD24NT-50.04-00-GPP PTSP1340	12336856	●
	GD24NT-50.04-00-GPP PTSP345	12336862	●
0.236	 GD24NT-60.04-00-GPP PTSCP320ST	12536051	○
	GD24NT-60.04-00-GPP PTSP1340	12536043	●
	GD24NT-60.04-00-GPP PTSP345	12536052	●
0.315	 GD35NT-80.08-00-GPP PTSP1340	57004597	●

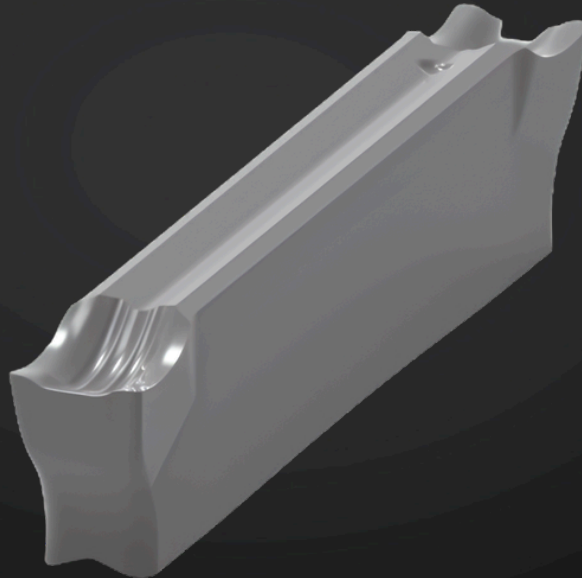
● available from stock, ○ available upon request

GUP

0.079 – 0.197

P

M



GD – GUP

Insert	Designation	Material number	Available
0.079	 GD24LT-20.015-06-GUP PTSCP320ST	12245958	○
	GD24LT-20.015-06-GUP PTSP1340	12245957	●
	GD24LT-20.015-06-GUP PTSP345	12245959	●
	 GD24NT-20.02-00-GUP PTSCP320ST	12218962	○
	GD24NT-20.02-00-GUP PTSP1340	12218959	●
	GD24NT-20.02-00-GUP PTSP345	12218963	●
	 GD24RT-20.015-06-GUP PTSCP320ST	12245961	○
	GD24RT-20.015-06-GUP PTSP1340	12245960	●
	GD24RT-20.015-06-GUP PTSP345	12245962	●
0.118	 GD24LT-30.02-06-GUP PTSCP320ST	12236951	○
	GD24LT-30.02-06-GUP PTSP1340	12236949	●
	GD24LT-30.02-06-GUP PTSP345	12236952	●
	 GD24NT-30.02-00-GUP PTSCP320ST	12149218	○
	GD24NT-30.02-00-GUP PTSP1340	12141176	●
	GD24NT-30.02-00-GUP PTSP345	12149221	●
	 GD24RT-30.02-06-GUP PTSCP320ST	12236947	○
	GD24RT-30.02-06-GUP PTSP1340	12236946	●
	GD24RT-30.02-06-GUP PTSP345	12236948	●
0.157	 GD24LT-40.03-05-GUP PTSCP320ST	12416716	○
	GD24LT-40.03-05-GUP PTSP1340	12416713	●
	GD24LT-40.03-05-GUP PTSP345	12416718	●
	 GD24NT-40.03-00-GUP PTSCP320ST	12218967	○
	GD24NT-40.03-00-GUP PTSP1340	12218965	●
	GD24NT-40.03-00-GUP PTSP345	12218969	●
	 GD24RT-40.03-05-GUP PTSCP320ST	12416699	○
	GD24RT-40.03-05-GUP PTSP1340	12416695	●
	GD24RT-40.03-05-GUP PTSP345	12416703	●
0.197	 GD24NT-50.04-00-GUP PTSCP320ST	12395254	○
	GD24NT-50.04-00-GUP PTSP1340	12395243	○
	GD24NT-50.04-00-GUP PTSP345	12395259	●

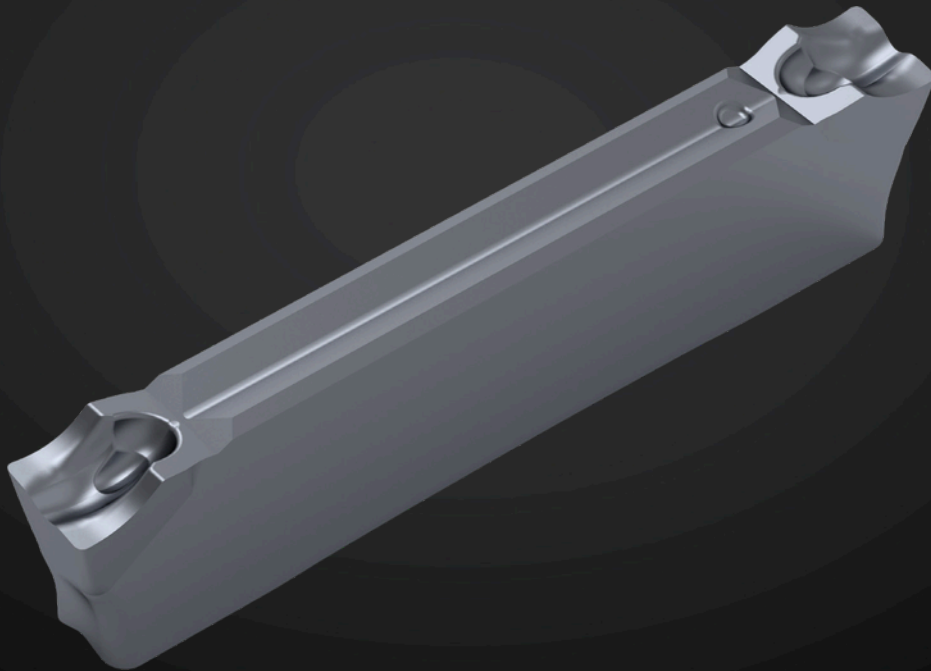
● available from stock, ○ available upon request

GMP

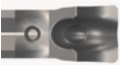
0.059 – 0.236

M

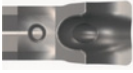
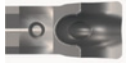
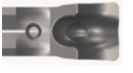
S



GD – GMP

Insert	Designation	Material number	Available
0.059 	GD24NT-15.015-00-GMP PTSCP320ST	12269418	●
	GD24NT-15.015-00-GMP PTSP1340	12269406	●
	GD24NT-15.015-00-GMP PTSP345	12269420	●
0.079 	GD24LT-20.015-06-GMP PTSCP320ST	12248411	○
	GD24LT-20.015-06-GMP PTSP1340	12248409	●
	GD24LT-20.015-06-GMP PTSP345	12248413	●
	GD24NT-20.02-00-GMP PTSCP320ST	12158334	○
	GD24NT-20.02-00-GMP PTSP1340	12158333	●
	GD24NT-20.02-00-GMP PTSP345	12158335	●
	GD24RT-20.015-06-GMP PTSCP320ST	12248416	○
	GD24RT-20.015-06-GMP PTSP1340	12248415	●
	GD24RT-20.015-06-GMP PTSP345	12248418	●
0.118 	GD24LT-30.02-06-GMP PTSCP320ST	12236942	○
	GD24LT-30.02-06-GMP PTSP1340	12236941	●
	GD24LT-30.02-06-GMP PTSP345	12236943	●
	GD24NT-30.02-00-GMP PTSCP320ST	12149214	○
	GD24NT-30.02-00-GMP PTSP1340	12141184	●
	GD24NT-30.02-00-GMP PTSP345	12149216	●
	GD24RT-30.02-06-GMP PTSCP320ST	12236937	○
	GD24RT-30.02-06-GMP PTSP1340	12236932	●
	GD24RT-30.02-06-GMP PTSP345	12236939	●

● available from stock, ○ available upon request

Insert	Designation	Material number	Available
0.157   	GD24LT-40.03-04-GMP PTSCP320ST	12416683	○
	GD24LT-40.03-04-GMP PTSP1340	12416682	●
	GD24LT-40.03-04-GMP PTSP345	12416686	●
	GD24NT-40.04-00-GMP PTSCP320ST	12149563	○
	GD24NT-40.04-00-GMP PTSP1340	12149561	●
	GD24NT-40.04-00-GMP PTSP345	12149564	●
	GD24RT-40.03-04-GMP PTSCP320ST	12416679	○
	GD24RT-40.03-04-GMP PTSP1340	12416676	●
	GD24RT-40.03-04-GMP PTSP345	12416681	●
0.197 	GD24NT-50.04-00-GMP PSTCP320ST	12382664	○
	GD24NT-50.04-00-GMP PTSP1340	12382661	●
	GD24NT-50.04-00-GMP PTSP345	12382668	●
0.236 	GD24NT-60.04-00-GMP PTSCP320ST	12545248	○
	GD24NT-60.04-00-GMP PTSP1340	12545222	●
	GD24NT-60.04-00-GMP PTSP345	12545261	●

● available from stock, ○ available upon request

GUT

0.079 – 0.236

P

M



GD – GUT

Insert	Designation	Material number	Available
0.079	 GD24LT-20.02-06-GUT PTSCP320ST	12312069	○
	GD24LT-20.02-06-GUT PTSP1340	12312068	●
	GD24LT-20.02-06-GUT PTSP345	12312070	●
	 GD24NT-20.02-00-GUT PTSCP320ST	12158328	○
	GD24NT-20.02-00-GUT PTSP1340	12158327	●
	GD24NT-20.02-00-GUT PTSP345	12158329	●
	 GD24RT-20.02-06-GUT PTSCP320ST	12312059	○
	GD24RT-20.02-06-GUT PTSP1340	12312058	●
	GD24RT-20.02-06-GUT PTSP345	12312060	●
0.118	 GD24LT-30.02-06-GUT PTSCP320ST	12312076	○
	GD24LT-30.02-06-GUT PTSP1340	12312075	●
	GD24LT-30.02-06-GUT PTSP345	12312077	●
	 GD24NT-30.03-00-GUT PTSCP320ST	12149211	
	GD24NT-30.03-00-GUT PTSP1340	12141172	●
	GD24NT-30.03-00-GUT PTSP345	12149213	●
	 GD24RT-30.02-06-GUT PTSCP320ST	12312073	○
	GD24RT-30.02-06-GUT PTSP1340	12312072	●
	GD24RT-30.02-06-GUT PTSP345	12312074	●

● available from stock, ○ available upon request

Insert	Designation	Material number	Available
0.157	 GD24NT-40.04-00-GUT PTSCP320ST	12149559	●
	GD24NT-40.04-00-GUT PTSP1340	12149558	●
	GD24NT-40.04-00-GUT PTSP345	12149560	●
0.197	 GD24NT-50.04-00-GUT PTSCP320ST	12391983	○
	GD24NT-50.04-00-GUT PTSP1340	12391945	●
	GD24NT-50.04-00-GUT PTSP345	12395234	●
0.236	 GD24NT-60.04-00-GUT PTSCP320ST	12545289	○
	GD24NT-60.04-00-GUT PTSP1340	12545272	●
	GD24NT-60.04-00-GUT PTSP345	12545301	●

● available from stock, ○ available upon request

GPR

0.079 – 0.236

P

K



GD – GPR

Insert		Designation	Material number	Available
0.079		GD24NR-20.00-00-GPR PTSCP320ST	12218982	○
		GD24NR-20.00-00-GPR PTSP1340	12218980	●
		GD24NR-20.00-00-GPR PTSP345	12218983	●
0.118		GD24NR-30.00-00-GPR PTSCP320ST	12149207	●
		GD24NR-30.00-00-GPR PTSP1340	12142965	●
		GD24NR-30.00-00-GPR PTSP345	12149210	●
0.157		GD24NR-40.00-00-GPR PTSCP320ST	12218975	●
		GD24NR-40.00-00-GPR PTSP1340	12218974	●
		GD24NR-40.00-00-GPR PTSP345	12218977	●
0.197		GD24NR-50.00-00-GPR PTSCP320ST	12391880	○
		GD24NR-50.00-00-GPR PTSP1340	12391847	●
		GD24NR-50.00-00-GPR PTSP345	12391882	●
0.236		GD24NR-60.00-00-GPR PTSCP320ST	12545446	○
		GD24NR-60.00-00-GPR PTSP1340	12545433	●
		GD24NR-60.00-00-GPR PTSP345	12545456	●

● available from stock, ○ available upon request

GMR

0.079 – 0.236

GD – GMR



	Designation	Material number	Available
0.079 	GD24NR-20.00-00-GMR PTSP1340	14689252	●
0.118 	GD24NR-30.00-00-GMR PTSP1340	14689249	●
0.157 	GD24NR-40.00-00-GMR PTSP1340	14689254	●
0.197 	GD24NR-50.00-00-GMR PTSP1340	14689250	●
0.236 	GD24NR-60.00-00-GMR PTSP1340	14689253	●

● available from stock, ○ available upon request

GNT

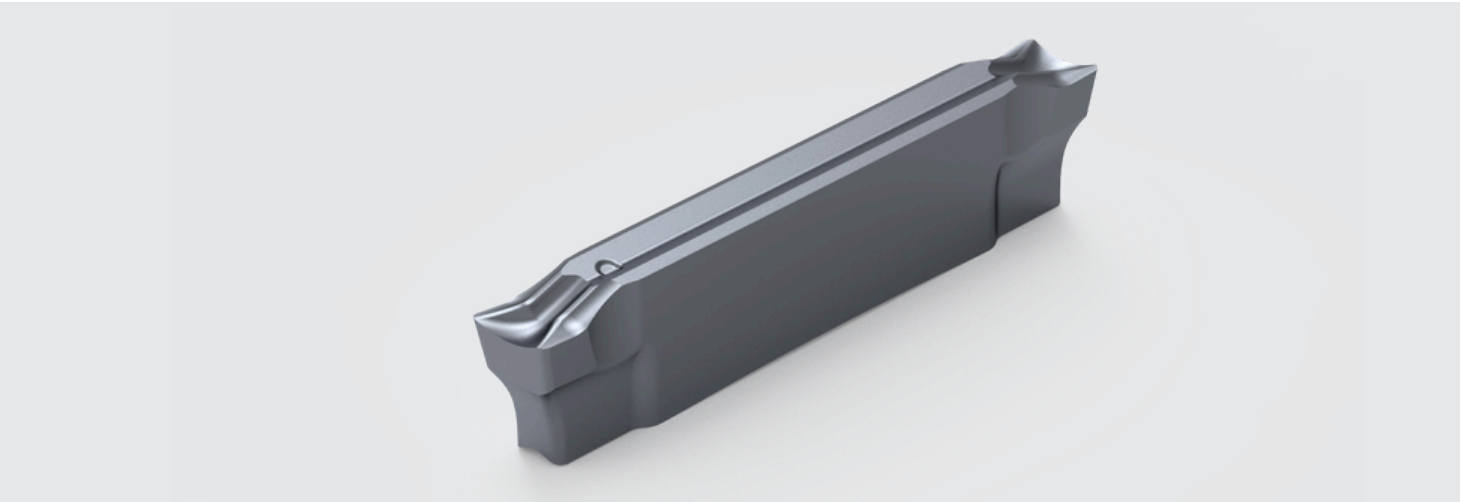
0.079 – 0.236

GD – GNT



Insert	Designation		Material number	Available	
0.079		GD24NT-20.02-00-GNT	CTWN715	12596998	●
0.118		GD24NT-30.03-00-GNT	CTWN715	12597001	●
0.157		GD24NT-40.04-00-GNT	CTWN715	12597002	●
0.197		GD24NT-50.04-00-GNT	CTWN715	14603779	●
0.236		GD24NT-60.05-00-GNT	CTWN715	14603782	●

● available from stock, ○ available upon request





GO

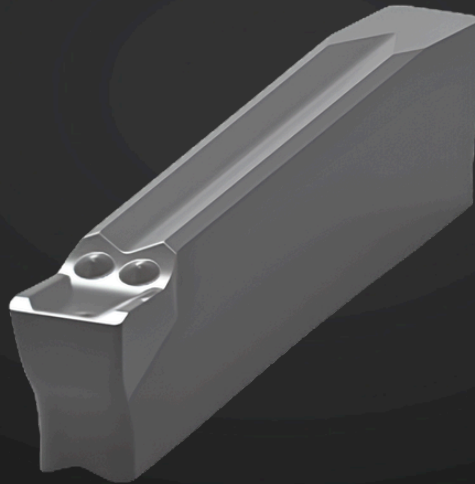
Single-sided

GPR

0.079 – 0.157

P

K



GO – GPP

Insert	Designation	Material number	
0.079 	GO24NT-20.02-00-GPP PTSCP320ST	12193962	○
	GO24NT-20.02-00-GPP PTSP1340	12193961	●
	GO24NT-20.02-00-GPP PTSP345	12193963	●
0.118 	GO24LT-30.02-06-GPP PTSCP320ST	12407644	○
	GO24LT-30.02-06-GPP PTSP1340	12407642	●
	GO24LT-30.02-06-GPP PTSP345	12407645	●
0.118 	GO24NT-30.02-00-GPP PTSCP320ST	12193971	○
	GO24NT-30.02-00-GPP PTSP1340	12143095	●
	GO24NT-30.02-00-GPP PTSP345	12193973	●
0.118 	GO24RT-30.02-06-GPP PTSCP320ST	12407602	○
	GO24RT-30.02-06-GPP PTSP1340	12407600	●
	GO24RT-30.02-06-GPP PTSP345	12407605	●
0.157 	GO24NT-40.03-00-GPP PTSCP320ST	12193967	○
	GO24NT-40.03-00-GPP PTSP1340	12193966	●
	GO24NT-40.03-00-GPP PTSP345	12193969	●

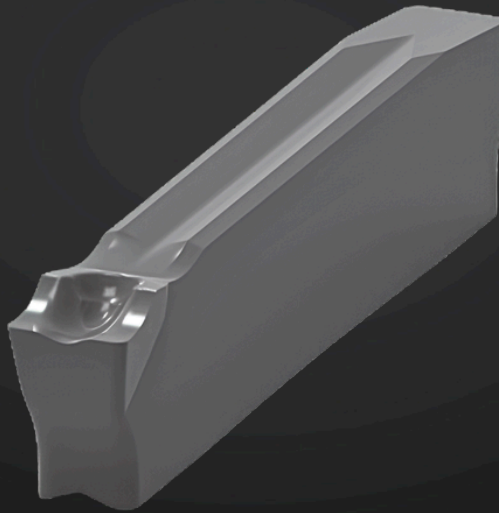
● available from stock, ○ available upon request

GMP

0.079 – 0.157

M

S



GO – GMP

Insert	Designation	Material number	Available
0.079 	GO24NT-20.02-00-GMP PTSCP320ST	12330151	○
	GO24NT-20.02-00-GMP PTSP1340	12330143	●
	GO24NT-20.02-00-GMP PTSP345	12330152	●
0.118 	GO24NT-30.03-00-GMP PTSCP320ST	12330173	○
	GO24NT-30.03-00-GMP PTSP1340	12330172	●
	GO24NT-30.03-00-GMP PTSP345	12330175	●
0.157 	GO24NT-40.04-00-GMP PTSCP320ST	12330219	○
	GO24NT-40.04-00-GMP PTSP1340	12330218	●
	GO24NT-40.04-00-GMP PTSP345	12330220	●

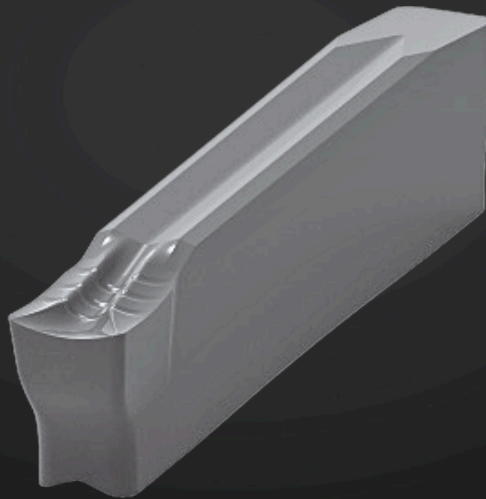
● available from stock, ○ available upon request

GUT

0.079 – 0.157

P

M



GO – GUT

Insert	Designation	Material number	Available
0.079 	GO24NT-20.02-00-GUT PTSCP320ST	12330165	○
	GO24NT-20.02-00-GUT PTSP1340	12330163	●
	GO24NT-20.02-00-GUT PTSP345	12330166	●
0.118 	GO24NT-30.03-00-GUT PTSCP320ST	12330178	○
	GO24NT-30.03-00-GUT PTSP1340	12330176	●
	GO24NT-30.03-00-GUT PTSP345	12330179	●
0.157 	GO24NT-40.04-00-GUT PTSCP320ST	12330223	○
	GO24NT-40.04-00-GUT PTSP1340	12330222	●
	GO24NT-40.04-00-GUT PTSP345	12330224	●

● available from stock, ○ available upon request

GNT

0.079 – 0.236

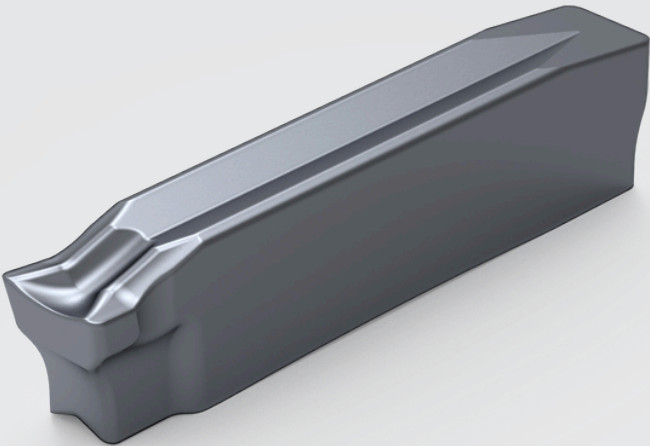
GO – GNT



Insert	Designation	Material number	Available
0.079	GO24NT-20.02-00-GNT PTSWN715	12597003	●
0.118	GO24NT-30.03-00-GNT PTSWN715	12597004	●
0.157	GO24NT-40.04-00-GNT PTSWN715	12597008	●
0.197	GO24NT-50.04-00-GNT PTSWN715	14640017	●
0.236	GO24NT-60.05-00-GNT PTSWN715	14640013	●

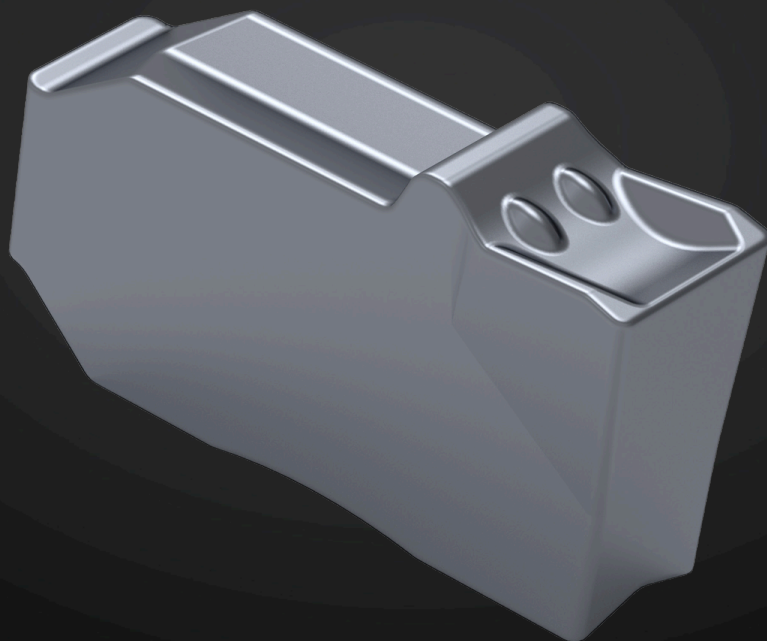


● available from stock, ○ available upon request



GS

Smallsize insert

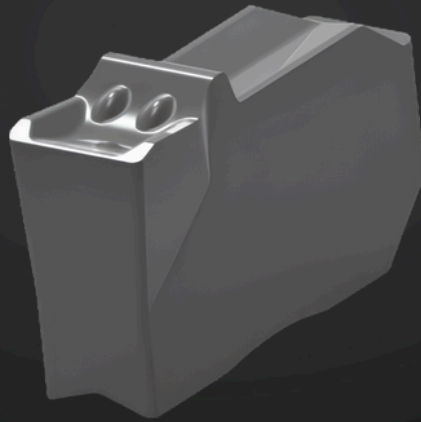


GPP

0.079 – 0.236

P

K



GS – GPP

Insert	Designation	Material number	Available
0.079 	GSNT-20.02-00-GPP PTSCP320ST	12220987	○
	GSNT-20.02-00-GPP PTSP1340	12331961	●
	GSNT-20.02-00-GPP PTSP345	12122435	●
0.118 	GSNT-30.02-00-GPP PTSCP320ST	12220994	●
	GSNT-30.02-00-GPP PTS1340	12331985	●
	GSNT-30.02-00-GPP PTSP345	11888187	●
0.157 	GSNT-40.03-00-GPP PTSCP320ST	12220998	○
	GSNT-40.03-00-GPP PTSP1340	12332006	●
	GSNT-40.03-00-GPP PTSP345	11888182	●
0.197 	GSNT-50.03-00-GPP PTSCP320ST	12169163	○
	GSNT-50.03-00-GPP PTSP1340	12332013	●
	GSNT-50.03-00-GPP PTSP345	12169161	●
0.236 	GSNT-60.04-00-GPP PTSCP320ST	12169145	○
	GSNT-60.04-00-GPP PTSP1340	12332029	●
	GSNT-60.04-00-GPP PTSP345	12169142	●

● available from stock, ○ available upon request

GUT

0.079 – 0.236

P

K



GS – GUT

Insert	Designation	Material number	Available
0.079 	GSNT-20.02-00-GUT PTSCP320ST	12220991	○
	GSNT-20.02-00-GUT PTSP1340	12331971	●
	GSNT-20.02-00-GUT PTSP345	12122433	●
0.118 	GSNT-30.03-00-GUT PTSCP320ST	12220996	○
	GSNT-30.03-00-GUT PTSP1340	12331988	●
	GSNT-30.03-00-GUT PTSP345	11888973	●
0.157 	GSNT-40.04-00-GUT PTSCP320ST	12220999	○
	GSNT-40.04-00-GUT PTSP1340	12332008	●
	GSNT-40.04-00-GUT PTSP345	11888968	●
0.197 	GSNT-50.04-00-GUT PTSCP320ST	12169158	○
	GSNT-50.04-00-GUT PTSP1340	12332021	●
	GSNT-50.04-00-GUT PTSP345	12169151	●
0.236 	GSNT-60.05-00-GUT PTSCP320ST	12169139	○
	GSNT-60.05-00-GUT PTSP1340	12332036	●
	GSNT-60.05-00-GUT PTSP345	12169134	●

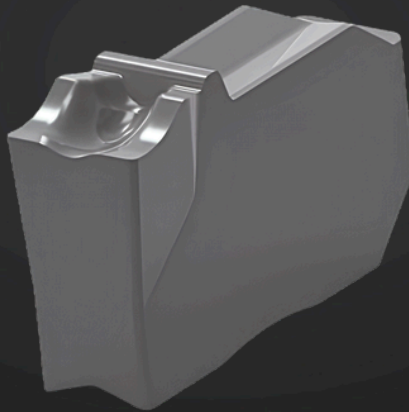
● available from stock, ○ available upon request

GMP

0.079 – 0.236

M

S



GS – GMP

Insert	Designation	Material number	Available
0.079 	GSNT-20.02-00-GMP PTSCP320ST	12262690	○
	GSNT-20.02-00-GMP PTSP1340	12262689	●
	GSNT-20.02-00-GMP PTSP345	12262692	●
0.118 	GSNT-30.02-00-GMP PTSCP320ST	12262695	○
	GSNT-30.02-00-GMP PTSP1340	12262694	●
	GSNT-30.02-00-GMP PTSP345	12262696	●
0.157 	GSNT-40.04-00-GMP PTSCP320ST	12416760	○
	GSNT-40.04-00-GMP PTSP1340	12416758	●
	GSNT-40.04-00-GMP PTSP345	12416763	●
0.197 	GSNT-50.04-00-GMP PTSCP320ST	12416750	○
	GSNT-50.04-00-GMP PTSP1340	12416747	●
	GSNT-50.04-00-GMP PTSP345	12416752	●
0.236 	GSNT-60.04-00-GMP PTSCP320ST	12416735	○
	GSNT-60.04-00-GMP PTSP1340	12416725	●
	GSNT-60.04-00-GMP PTSP345	12416742	●

● available from stock, ○ available upon request

GNT

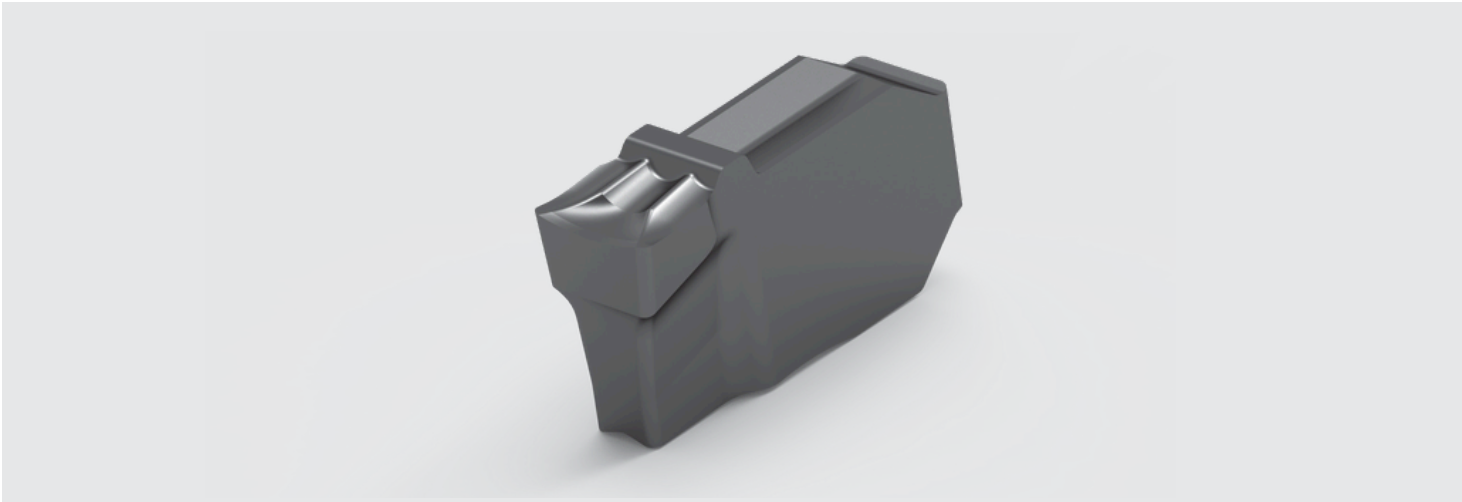
0.079 – 0.236

GS – GNT



Insert		Designation	Material number	Available
0.079		GSNT-20.02-00-GNT PTSWN715	12596993	●
0.118		GSNT-30.03-00-GNT PTSWN715	12596989	●
0.157		GSNT-40.04-00-GNT PTSWN715	12596991	●
0.197		GSNT-50.04-00-GNT PTSWN715	14447754	●
0.236		GSNT-60.04-00-GNT PTSWN715	14447755	●

● available from stock, ○ available upon request



GPR

0.079 – 0.236

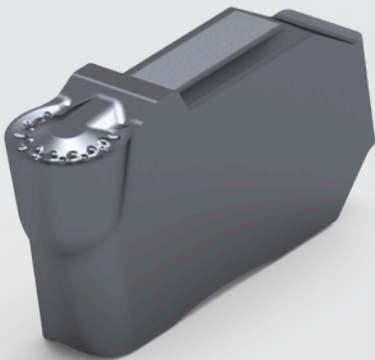
GS – GPR



Insert	Designation	Material number	Available
0.079	GSNR-20.00-00-GPR PTSP1340	14617248	●
0.118	GSNR-30.00-00-GPR PTSP1340	14617250	●
0.157	GSNR-40.00-00-GPR PTSP1340	14617254	●
0.197	GSNR-50.00-00-GPR PTSP1340	14617259	●
0.236	GSNR-60.00-00-GPR PTSP1340	14617263	●



● available from stock, ○ available upon request



GMR

0.079 – 0.236

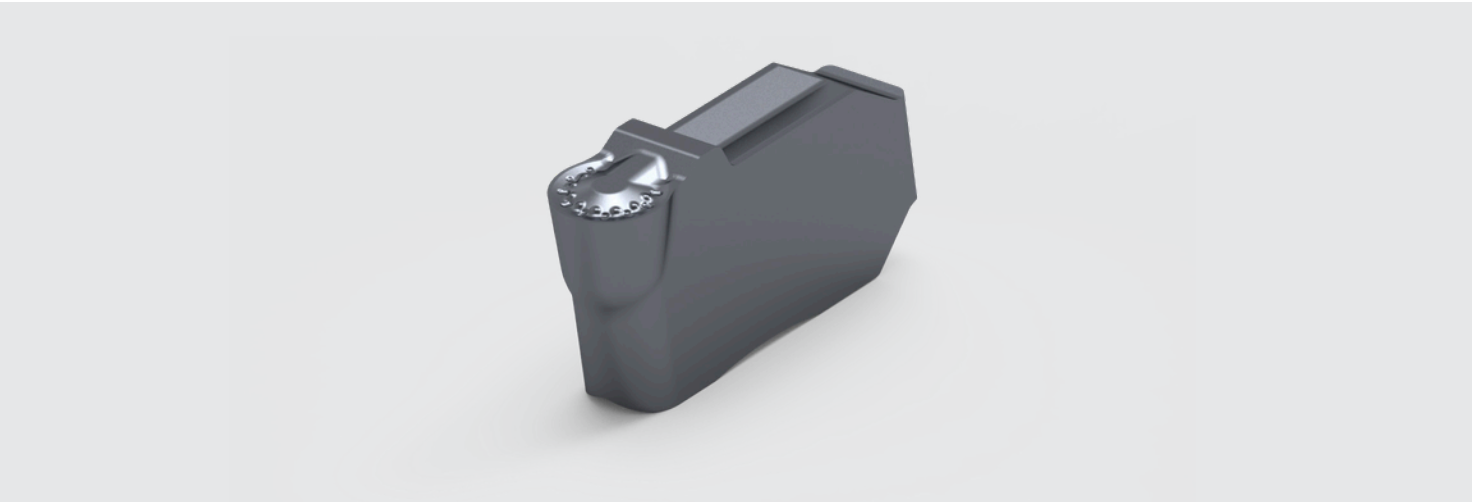
GS – GMR



Insert	Designation	Material number	Available
0.079	GSNR-20.00-00-GMR PTSP1340	14617264	●
0.118	GSNR-30.00-00-GMR PTSP1340	14617265	●
0.157	GSNR-40.00-00-GMR PTSP1340	14617268	●
0.197	GSNR-50.00-00-GMR PTSP1340	14617270	●
0.236	GSNR-60.00-00-GMR PTSP1340	14617272	●

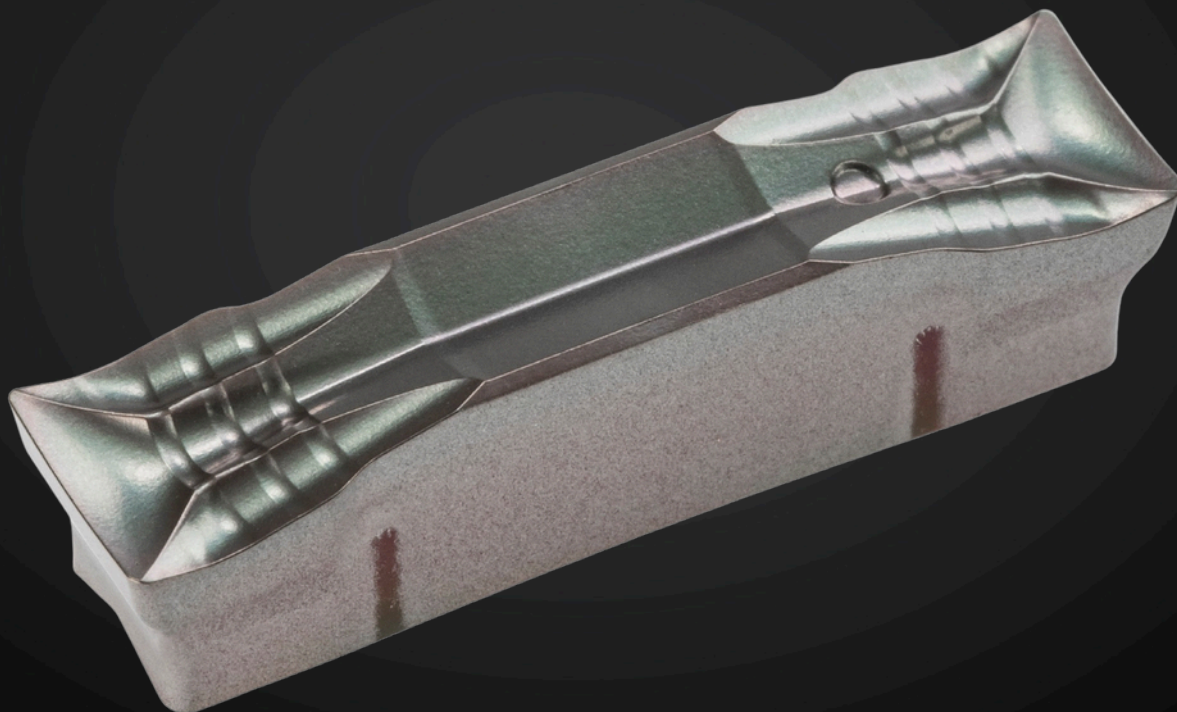


● available from stock, ○ available upon request



GA

Axial grooving



GUT

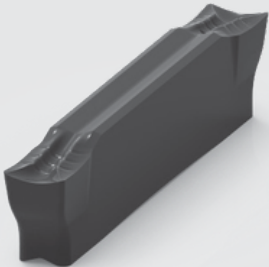
0.118 – 0.197

GA – GUT



Insert	Designation	Material number	Available
0.118 	GA24NT-30.03-00-GUT PTSCP320ST	12358352	○
	GA24NT-30.03-00-GUT PTSP1340	12358346	●
	GA24NT-30.03-00-GUT PTSP345	12358353	●
0.157 	GA24NT-40.04-00-GUT PTSCP320ST	14467538	○
	GA24NT-40.04-00-GUT PTSP1340	14467537	●
	GA24NT-40.04-00-GUT PTSP345	14467539	●
0.197 	GA24NT-50.04-00-GUT PTSCP320ST	14646114	●
	GA24NT-50.04-00-GUT PTSP1340	14646112	●
	GA24NT-50.04-00-GUT PTSP345	14646115	●

● available from stock, ○ available upon request



GPR

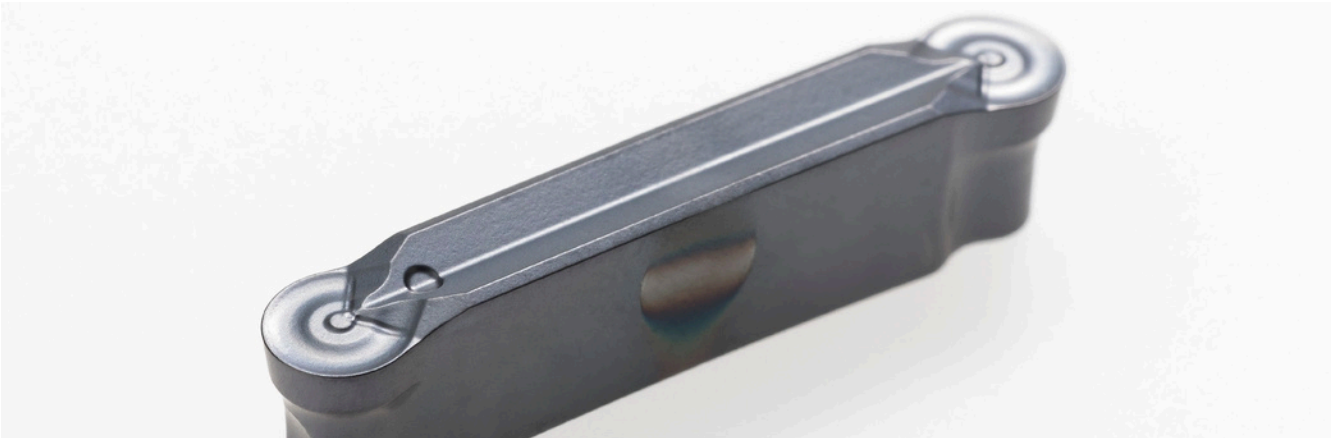
0.118 – 0.157

GA – GPR



Insert	Designation	Material number	Available
0.118 	GA24NR-30.00-00-GPR PTSCP320ST	14595669	●
	GA24NR-30.00-00-GPR PTSP1340	14595666	●
	GA24NR-30.00-00-GPR PTSP345	14595672	●
0.157 	GA24NR-40.00-00-GPR PTSCP320ST	14598108	●
	GA24NR-40.00-00-GPR PTSP1340	14598096	●
	GA24NR-40.00-00-GPR PTSP345	14598110	●

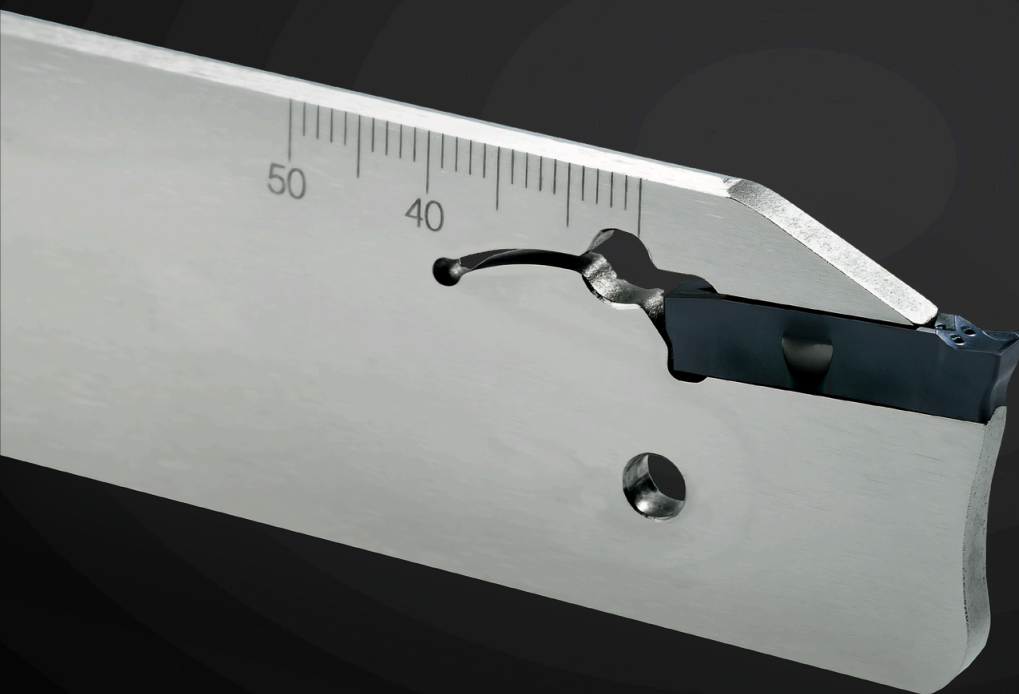
● available from stock, ○ available upon request



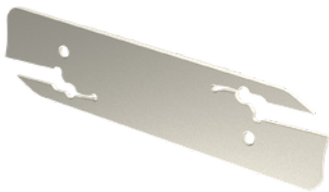
Tools



Blade



2 – 6

Blades	Designation	T _{max} [inch]	Material number	Available
	GBL-2602-GO2402	1.000	12295514	●
	GBL-3202-GO2402	1.000	12295534	●
	GBR-2602-GO2402	1.000	12295505	●
	GBR-3202-GO2402	1.000	12295510	●
	GBN-2602-GO2402	1.000	12295540	●
	GBN-3202-GO2402	1.000	12295546	●
	GBN-2603-GO2403	1.380	12167262	●
	GBN-3203-GO2403	1.970	12167255	●
	GBN-2604-GO2404	1.380	12167260	●
	GBN-3204-GO2404	1.970	12167253	●
	GBN-3205-GO2405	2.360	14442164	●
	GBN-3206-GO2406	2.360	14442166	●

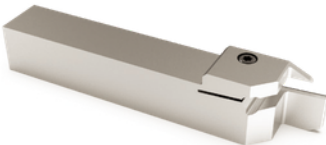
Spare parts *	Designation	Material number	Available
	GK-3 (GO2402 and GO2403)	12154231	●
	GK-4 (GO2404, GO2405 and GO2406)	12154233	●

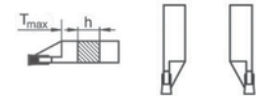
● available from stock, ○ available upon request

For information on how to use the system go to page 98.

Monoblocks



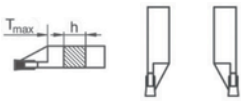




Tool	Designation	T _{max} [inch]	h		Material number	Available
	GMEL-050-GD2402-C-T13	0.512	0.500	L	on request	●
	GMER-050-GD2402-C-T13	0.512	0.500	R		●
	GMEL-0625-GD2402-C-T13	0.512	0.625	L		●
	GMER-0625-GD2402-C-T13	0.512	0.625	R		●
	GMEL-075-GD2402-C-T13	0.512	0.750	L		●
	GMER-075-GD2402-C-T13	0.512	0.750	R		●
	GMEL-050-GD24015-C-T23	0.906	0.500	L		●
	GMER-050-GD24015-C-T23	0.906	0.500	R		●
	GMEL-0625-GD24015-C-T23	0.906	0.625	L		●
	GMER-0625-GD24015-C-T23	0.906	0.625	R		●

Spare parts	Designation	Material number
	Key T15	12380791
	Key T20	12380793
	Key SW4	4209
	M3.5X14,0/T15 (for h=0.500)	11081190
	M4.0X16/T20 (for h=0.625)	12003031
	M4.0X18/T20 (for h=0.750)	11007006
	M5.0X20	4492

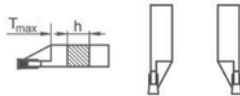
● available from stock, ○ available upon request

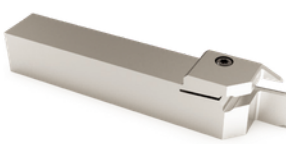


Tool	Designation	T _{max} [inch]	h		Material number	Available
	GMEL-050-GD2403-C-T13	0.512	0.500	L	on request	●
	GMER-050-GD2403-C-T13	0.512	0.500	R		●
	GMEL-0625-GD2403-C-T13	0.512	0.625	L		●
	GMER-0625-GD2403-C-T13	0.512	0.625	R		●
	GMEL-075-GD2403-C-T13	0.512	0.750	L		●
	GMER-075-GD2403-C-T13	0.512	0.750	R		●
	GMEL-100-GD2403-D-T13	0.512	1.000	L		●
	GMER-100-GD2403-D-T13	0.512	1.000	R		●
	GMEL-0625-GD2403-C-T25	0.984	0.625	L		●
	GMER-0625-GD2403-C-T25	0.984	0.625	R		●
	GMEL-075-GD2403-C-T25	0.984	0.750	L	14654661	●
	GMER-075-GD2403-C-T25	0.984	0.750	R	14654662	●
	GMEL-100-GD2403-D-T25	0.984	1.000	L	12538744	●
	GMER-100-GD2403-D-T25	0.984	1.000	R	12545123	●
	GMEL-125-GD2403-P-T25	0.984	1.250	L	on request	●
	GMER-125-GD2403-P-T25	0.984	1.250	R		●

Spare parts	Designation	Material number
	Key T15	
	Key T20	
	M3.5X14.0/T15 (for h=0.500)	11081190
	M4.0X16/T20 (for h=0.625)	
	M4.0X18/T20 (for h=0.750/1.000)	11007006

● available from stock, ○ available upon request



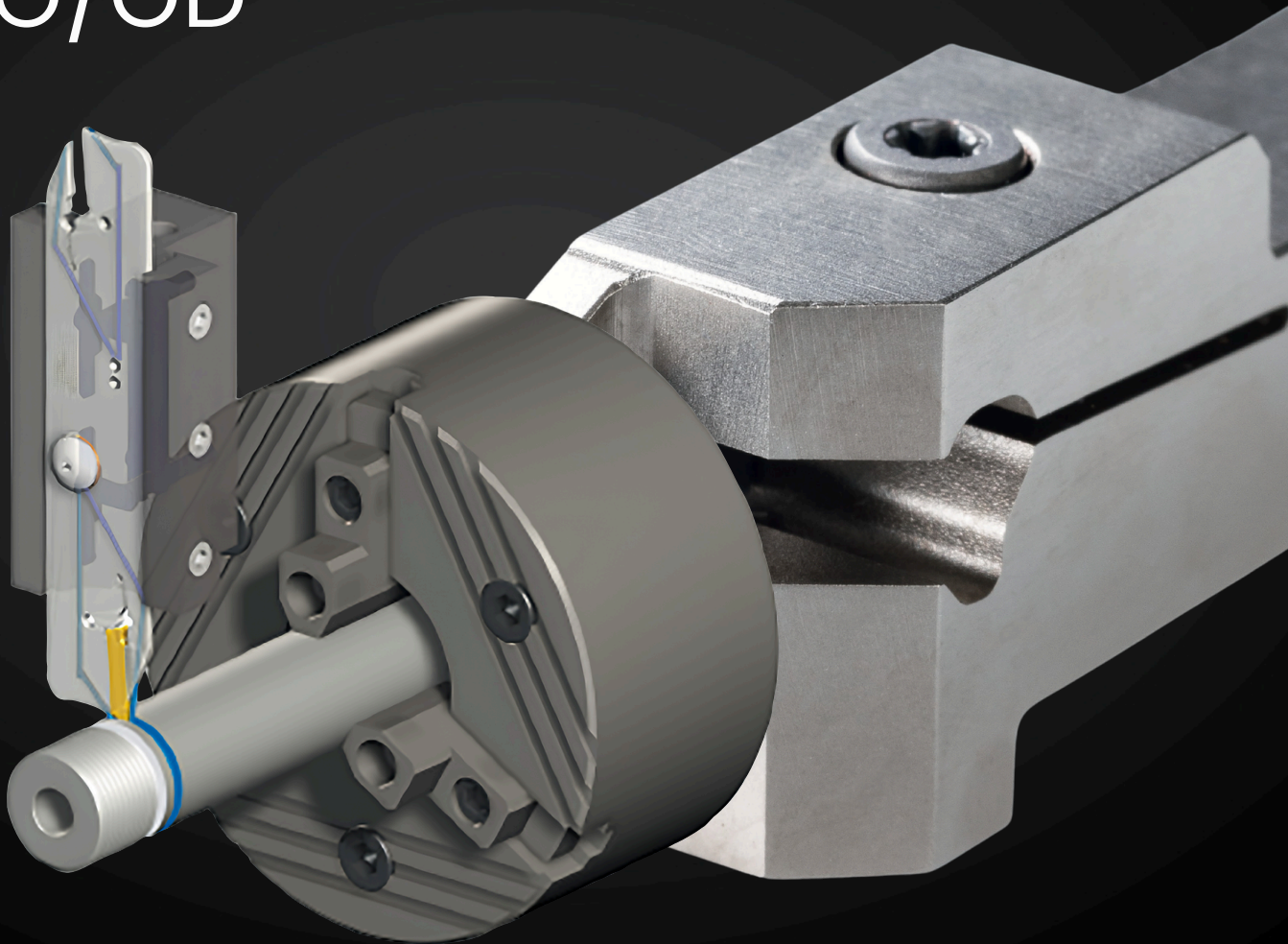
Tool	Designation	T _{max} [inch]	h		Material number	Available
	GMEL-0625-GD2404-C-T25	0.984	0.625	L	on request	●
	GMER-0625-GD2404-C-T25	0.984	0.625	R	14654668	●
	GMEL-075-GD2404-C-T25	0.984	0.750	L	14654671	●
	GMER-075-GD2404-C-T25	0.984	0.750	R	14654672	●
	GMEL-100-GD2404-D-T25	0.984	1.000	L	14654673	●
	GMER-100-GD2404-D-T25	0.984	1.000	R	on request	●
	GMEL-125-GD2404-P-T25	0.984	1.250	L	14654674	●
	GMER-125-GD2404-P-T25	0.984	1.250	R	14654676	●
	GMEL-075-GD2405-C-T25	0.984	0.750	L	14654677	●
	GMER-075-GD2405-C-T25	0.984	0.750	R	14654678	●
	GMEL-100-GD2405-D-T25	0.984	1.000	L	14654919	●
	GMER-100-GD2405-D-T25	0.984	1.000	R	14654923	●
	GMEL-075-GD2406-C-T25	0.984	0.750	L	14654924	●
	GMER-075-GD2406-C-T25	0.984	0.750	R	14654927	●
	GMEL-100-GD2406-C-T25	0.984	1.000	L		●
	GMER-100-GD2406-C-T25	0.984	1.000	R		●
	GMEL-100-GD3508-D-T32	1.260	1.000	L	on request	●
	GMER-100-GD3508-D-T32	1.260	1.000	R		●
	GMEL-125-GD3508-P-T32	1.260	1.250	L		●
	GMER-125-GD3508-P-T32	1.260	1.250	R		●

Spare parts	Designation	Material number
	Key T20	12380793
	M4.0X16 T20 (for h=0.625)	12003031
	M4.0X18/T20 (for h=0.750/1.000)	11007006
	Key SW5	4496
	M6.0X20	4493

● available from stock, ○ available upon request

Blades

GO/GD



Blades	Designation	T _{max} [inch]	Material number	Available
	GBL-2602-GO2402-C	1.000	12416853	●
	GBL-3202-GO2402-C	1.000	12416844	●
	GBR-2602-GO2402-C	1.000	12416829	●
	GBR-3202-GO2402-C	1.000	12416818	●
	GBN-2602-GO2402-C	1.000	12416839	●
	GBN-3202-GO2402-C	1.000	12295549	●
	GBN-2603-GO2403-C	1.380	12154026	●
	GBN-3203-GO2403-C	1.970	12154027	●
	GBN-2604-GO2404-C	1.380	12528755	●
	GBN-3204-GO2404-C	1.970	12528758	●
	GBN-3205-GO2405-C	2.360	14442167	●
	GBN-3206-GO2406-C	2.360	14442170	●

Spare parts	Designation	Material number
	Key T15 58MM	8095101500
	Coolant screw plug M4X3	

Spare parts *	Designation	Material number
	GK-3 (GO2402 and GO2403)	12154231
	GK-4 (GO2404, GO2405 and GO2406)	

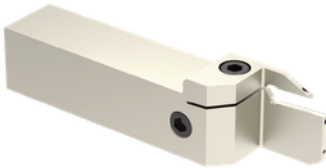
● available from stock, ○ available upon request

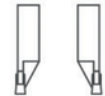
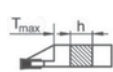
For information on how to use the system go to page 98.

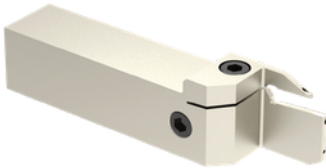
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GO/GD

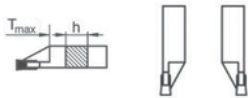


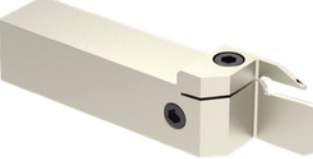




Tool	Designation	T _{max} [inch]	h		Material number	Available
	GMEL-050-GD2403-C-T13-C	0.512	0.500	L	on request	●
	GMER-050-GD2403-C-T13-C	0.512	0.500	R		●
	GMEL-0625-GD2402-C-T13-C	0.512	0.625	L		●
	GMER-0625-GD2402-C-T13-C	0.512	0.625	R		●
	GMEL-075-GD2402-C-T13-C	0.512	1.000	L		●
	GMER-075-GD2402-C-T13-C	0.512	1.000	R		●
	GMEL-0625-GD2403-C-T25-C	0.984	0.625	L		●
	GMER-0625-GD2403-C-T25-C	0.984	0.625	R		●
	GMEL-075-GD2403-C-T25-C	0.984	0.750	L		●
	GMER-075-GD2403-C-T25-C	0.984	0.750	R		●
	GMEL-100-GD2403-D-T25-C	0.984	1.000	L		●
	GMER-100-GD2403-D-T25-C	0.984	1.000	R		●
	GMEL-0625-GD2404-C-T25-C	0.984	0.625	L		●
	GMER-0625-GD2404-C-T25-C	0.984	0.625	R		●
	GMEL-075-GD2404-C-T25-C	0.984	0.750	L		●
	GMER-075-GD2404-C-T25-C	0.984	0.750	R		●
	GMEL-100-GD2404-D-T25-C	0.984	1.000	L		●
	GMER-100-GD2404-D-T25-C	0.984	1.000	R		●

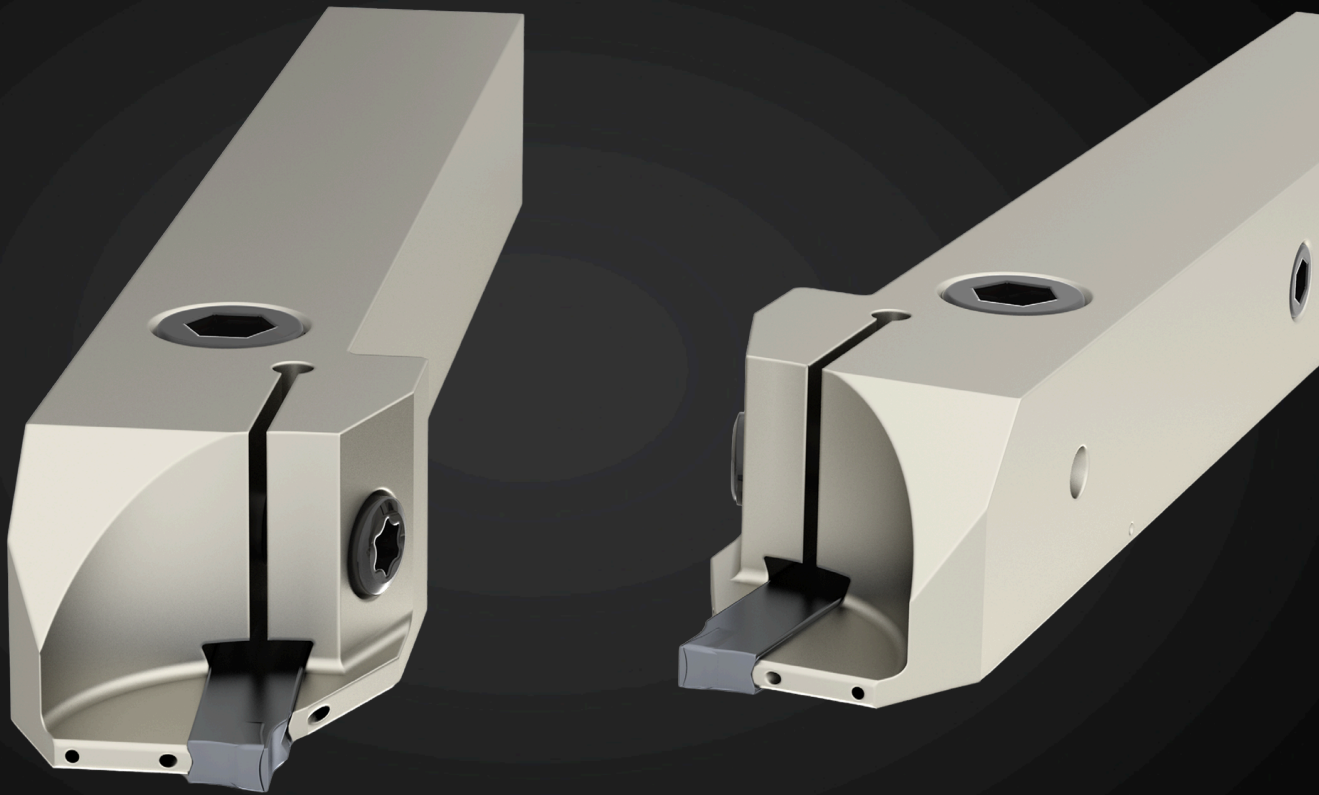
● available from stock, ○ available upon request



Tool	Designation	T _{max} [inch]	h		Material number	Available
	GMEL-075-GD2405-C-T25-C	0.984	0.750	L	on request	●
	GMER-075-GD2405-C-T25-C	0.984	0.750	R		●
	GMEL-100-GD2405-D-T25-C	0.984	1.000	L		●
	GMER-100-GD2405-D-T25-C	0.984	1.000	R		●
	GMEL-075-GD2406-C-T25-C	0.984	0.750	L		●
	GMER-075-GD2406-C-T25-C	0.984	0.750	R		●
	GMEL-100-GD2406-D-T25-C	0.984	1.000	L		●
	GMER-100-GD2406-D-T25-C	0.984	1.000	R		●

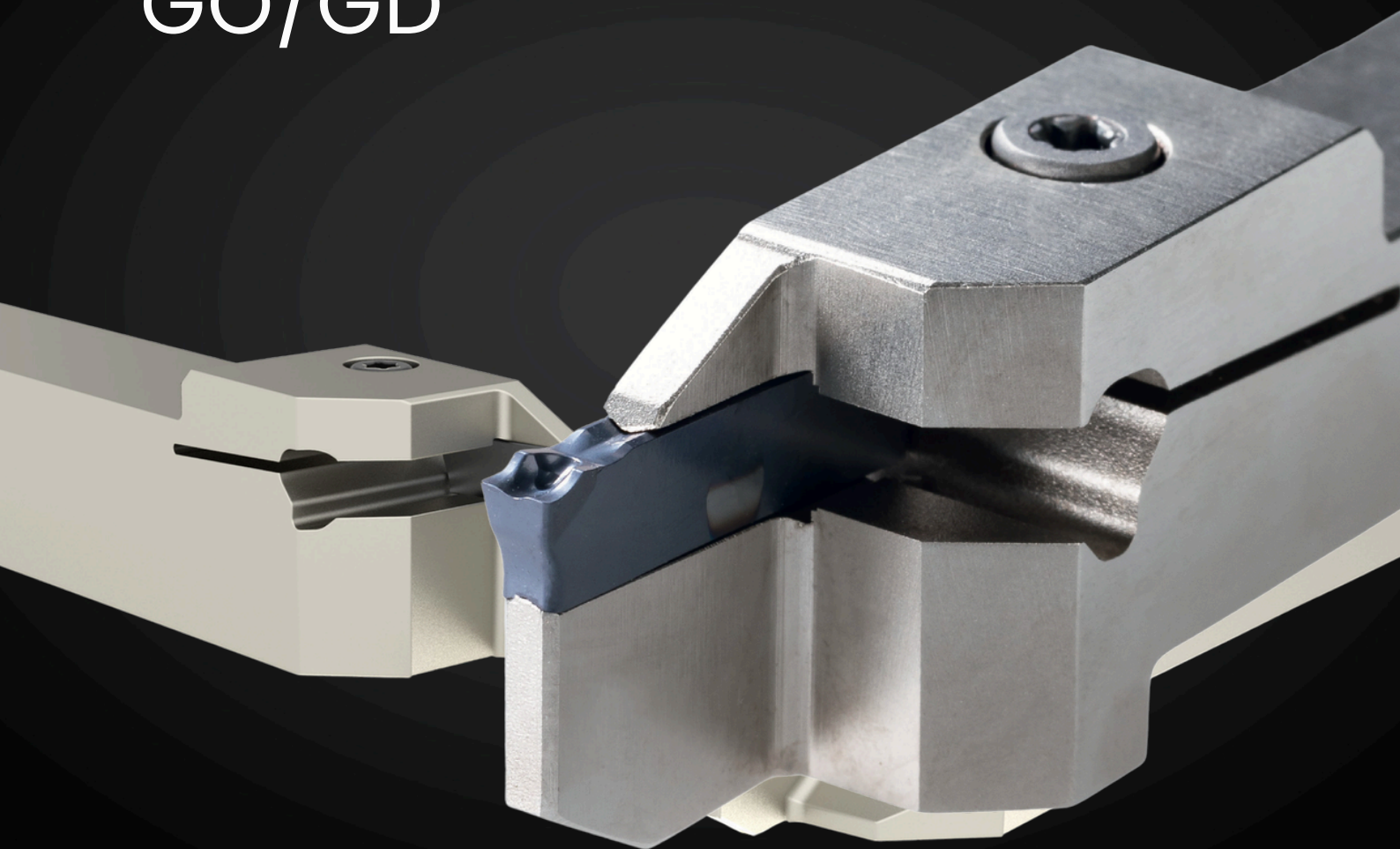
Spare parts	Designation	Material number
	Key SW5	4496
	M6.0x20	4493
	M6x6 DIN 913	11040843
	NPT1/8"	on request

● available from stock, ○ available upon request

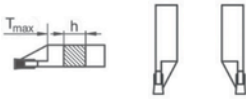


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GO/GD







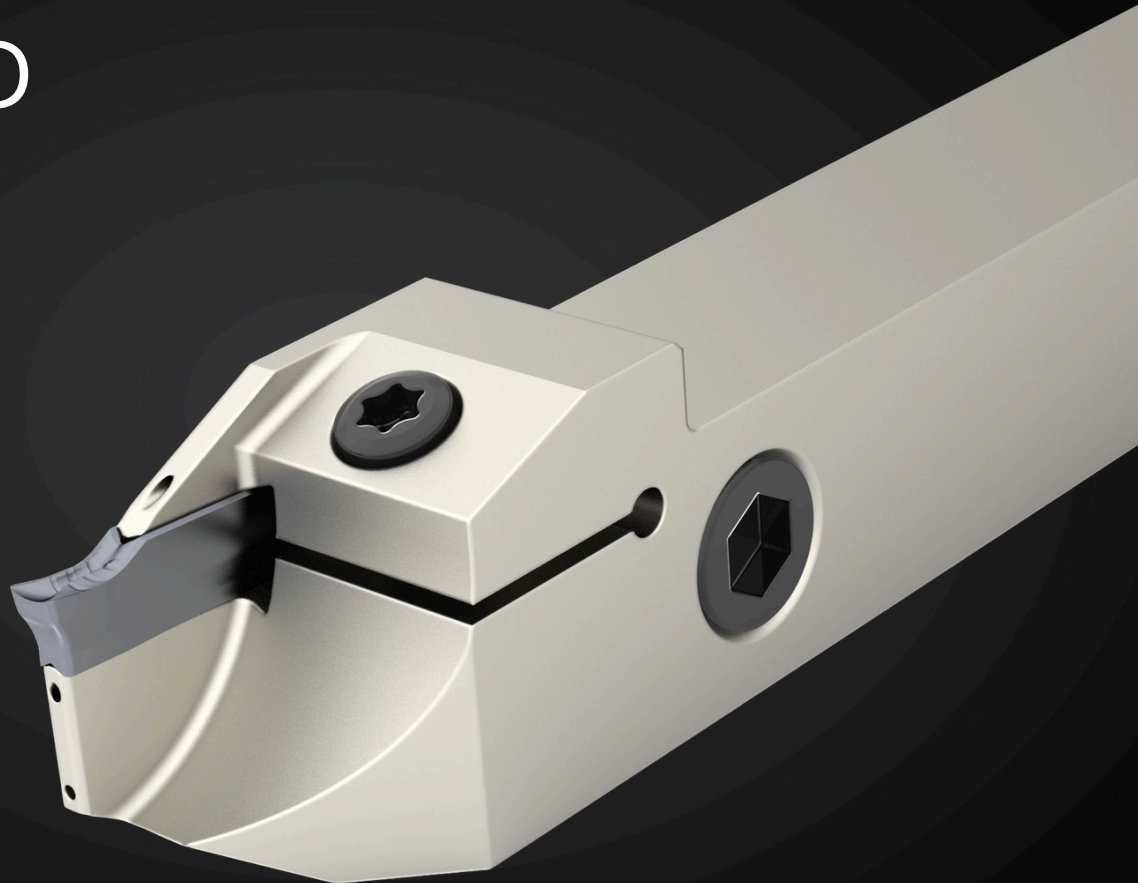
Tool	Designation	T _{max} [inch]	h		Material number	Available
	GMEL-050-GD2402-K-T13-R	0.512	0.500	L	on request	●
	GMER-050-GD2402-K-T13-R	0.512	0.500	R		●
	GMEL-0625-GD2402-K-T13-R	0.512	0.625	L		●
	GMER-0625-GD2402-K-T13-R	0.512	0.625	R		●
	GMEL-050-GD2402-K-T21-R	0.512	0.500	L		●
	GMER-050-GD2402-K-T21-R	0.827	0.500	R		●
	GMEL-0625-GD2402-K-T21-R	0.827	0.625	L		●
	GMER-0625-GD2402-K-T21-R	0.827	0.625	R		●
	GMEL-050-GD2403-K-T13-R	0.512	0.500	L		●
	GMER-050-GD2403-K-T13-R	0.512	0.500	R		●
	GMEL-0625-GD2403-K-T13-R	0.512	0.625	L		●
	GMER-0625-GD2403-K-T13-R	0.512	0.625	R		●
	GMEL-050-GD2403-K-T21-R	0.827	0.500	L		●
	GMER-050-GD2403-K-T21-R	0.827	0.500	R		●
	GMEL-0625-GD2403-K-T21-R	0.827	0.625	L		●
	GMER-0625-GD2403-K-T21-R	0.827	0.625	R		●

Spare parts	Designation	Material number
	Key T15	12380791
	M4.0X14/T15	195068

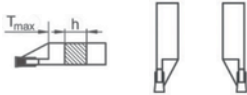
● available from stock, ○ available upon request

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GO/GD







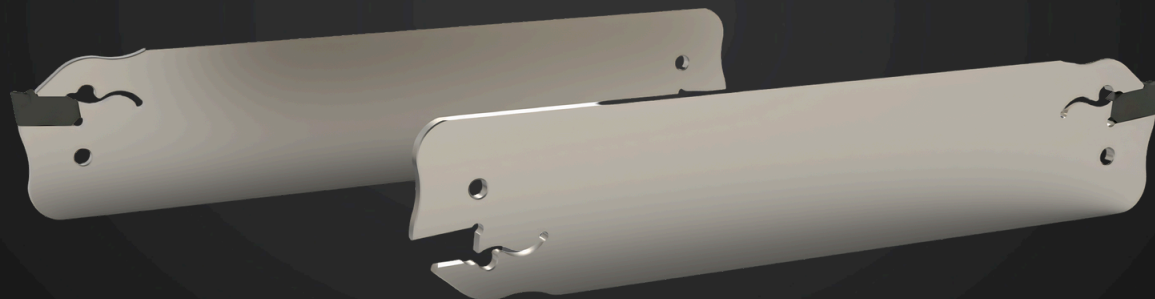
Tool	Designation	T _{max} [inch]	h		Material number	Available
	GMEL-050-GD2402-K-T13-R-C	0.512	0.500	L	on request	●
	GMER-050-GD2402-K-T13-R-C	0.512	0.500	R		●
	GMEL-0625-GD2402-K-T13-R-C	0.512	0.625	L		●
	GMER-0625-GD2402-K-T13-R-C	0.512	0.625	R		●
	GMEL-0625-GD2402-K-T21-R-C	0.827	0.625	L		●
	GMER-0625-GD2402-K-T21-R-C	0.827	0.625	R		●
	GMEL-050-GD2403-K-T13-R-C	0.512	0.500	L		●
	GMER-050-GD2403-K-T13-R-C	0.512	0.500	R		●
	GMEL-0625-GD2403-K-T13-R-C	0.512	0.625	L		●
	GMER-0625-GD2403-K-T13-R-C	0.512	0.625	R		●
	GMEL-0625-GD2403-K-T21-R-C	0.827	0.625	L		●
	GMER-0625-GD2403-K-T21-R-C	0.827	0.625	R		●

Spare parts	Designation	Material number
	Key T15	12380791
	M4.0X14/T15	195068
	M6.0X6.0 DIN 913	11040843
	NPT1/8"	12089802

● available from stock, ○ available upon request

Blades

GS



Blades	Designation	T _{max} [inch]	Material number	Available
	GBR-2602-GS02	1.000	12167546	●
	GBL-2602-GS02	1.000	12167544	●
	GBR-3202-GS02	1.000	12167553	●
	GBL-3202-GS02	1.000	12167550	●
	GBN-2603-GS03	1.380	11896198	●
	GBN-3203-GS03	1.97	11896189	●

Blades	Designation	T _{max} [inch]	Material number	Available
	GBN-2604-GS04	1.570	11896196	●
	GBN-3204-GS04	1.970	11896181	●
	GBN-3205-GS05	2.170	12170445	●
	GBN-3206-GS06	2.360	12170446	●

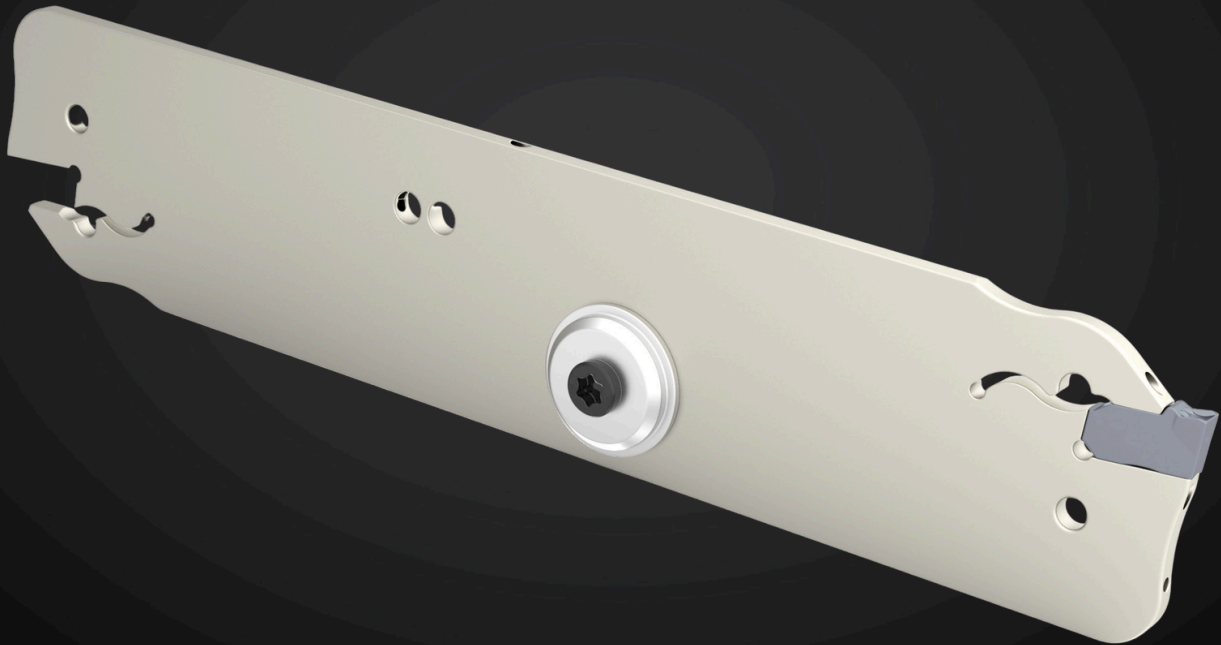
Spare parts *	Designation	Material number
	GK-3 (GO2402 and GO2403)	12154231
	GK-4 (GO2404, GO2405 and GO2406)	12154233

● available from stock, ○ available upon request

For information on how to use the system go to page 98.

Blades

GS



Blades	Designation	T _{max} [inch]	Material number	Available
	GBL-2602-GS02-C	1.000	12258634	●
	GBL-3202-GS02-C	1.000	12258689	●
	GBR-2602-GS02-C	1.000	12258498	●
	GBR-3202-GS02-C	1.000	12258693	●
	GBN-2603-GS03-C	1.380	12258695	●
	GBN-3203-GS03-C	1.970	12258698	●
	GBN-2604-GS04-C	1.570	12260542	●
	GBN-3204-GS04-C	1.970	12260546	●

Spare parts

	Designation	Material number
	Key T15 58MM	8095101500
	Coolant screw plug M4X3	11998618

Spare parts *

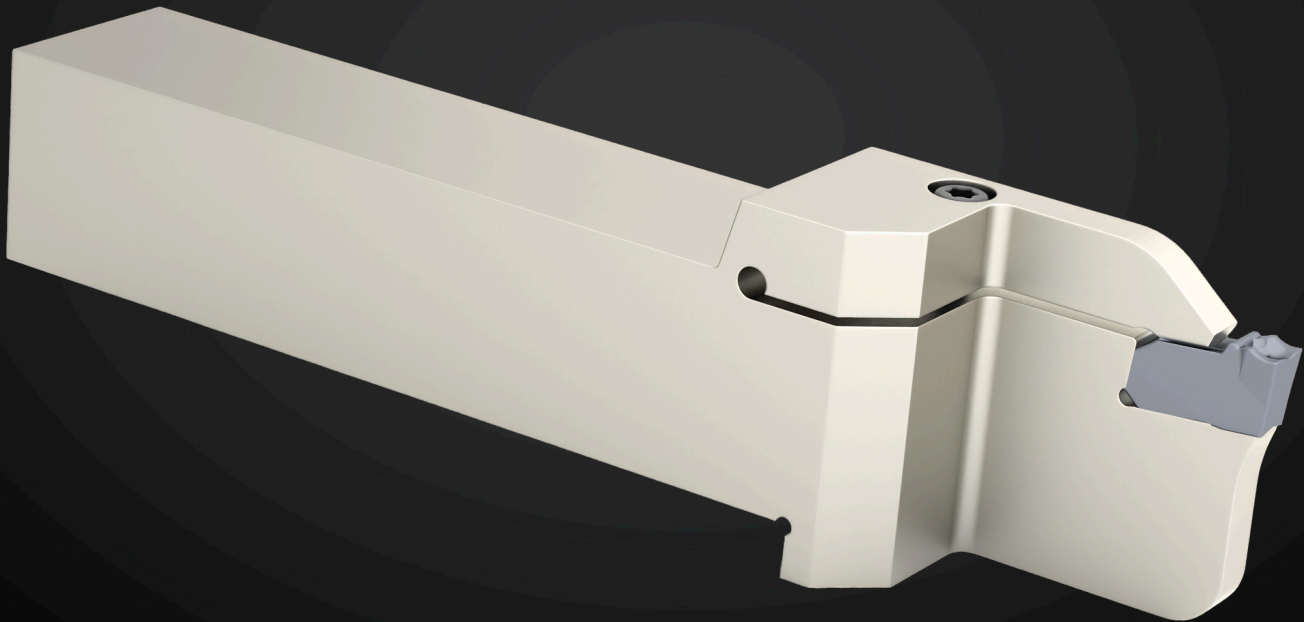
	Designation	Material number
	GK-3 (GO2402 and GO2403)	12154231
	GK-4 (GO2404, GO2405 and GO2406)	12154233

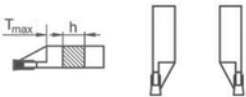
● available from stock, ○ available upon request

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GS





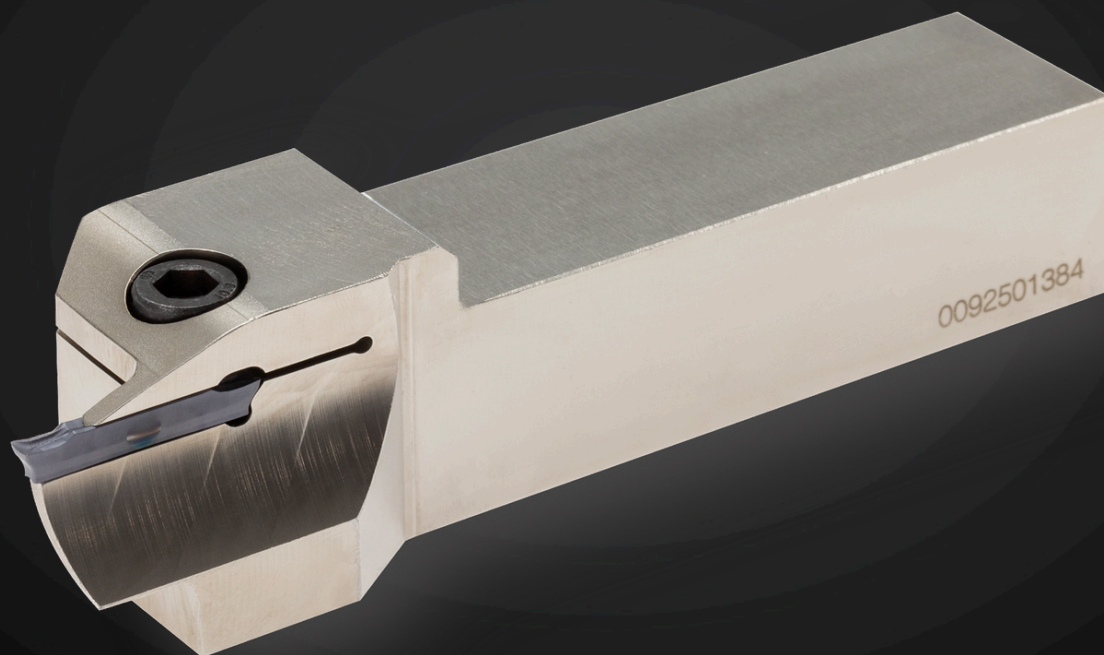
Tool	Designation	T _{max} [inch]	h		Material number	Available
	GMEL-0625-GS02-C-T20	0.787	0.625	L	on request	●
	GMER-0625-GS02-C-T20	0.787	0.625	R		●
	GMEL-0625-GS03-C-T20	0.787	0.625	L		●
	GMER-0625-GS03-C-T20	0.787	0.625	R		●
	GMEL-075-GS02-C-T20	0.787	0.750	L		●
	GMER-075-GS02-C-T20	0.787	0.750	R		●
	GMEL-075-GS03-C-T20	0.787	0.750	L		●
	GMER-075-GS03-C-T20	0.787	0.750	R		●
	GMEL-075-GS04-C-T25	0.984	0.750	L		●
	GMER-075-GS04-C-T25	0.984	0.750	R		●
	GMEL-075-GS05-C-T25	0.984	0.750	L		●
	GMER-075-GS05-C-T25	0.984	0.750	R		●
	GMEL-075-GS06-C-T25	0.984	0.750	L		●
	GMER-075-GS06-C-T25	0.984	0.750	R		●
	GMEL-100-GS03-D-T20	0.787	1.000	L		●
	GMER-100-GS03-D-T20	0.787	1.000	R		●
	GMEL-100-GS04-D-T25	0.984	1.000	L		●
	GMER-100-GS04-D-T25	0.984	1.000	R		●
	GMEL-100-GS05-D-T25	0.984	1.000	L		●
	GMER-100-GS05-D-T25	0.984	1.000	R		●
	GMEL-100-GS06-D-T32	1.260	1.000	L		●
	GMER-100-GS06-D-T32	1.260	1.000	R		●

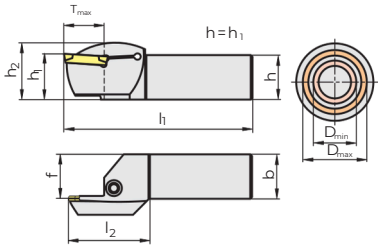
Spare parts	Designation	Material number
	Key T20	12380793
	M4.0X18/T20	11007006

● available from stock, ○ available upon request

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GA



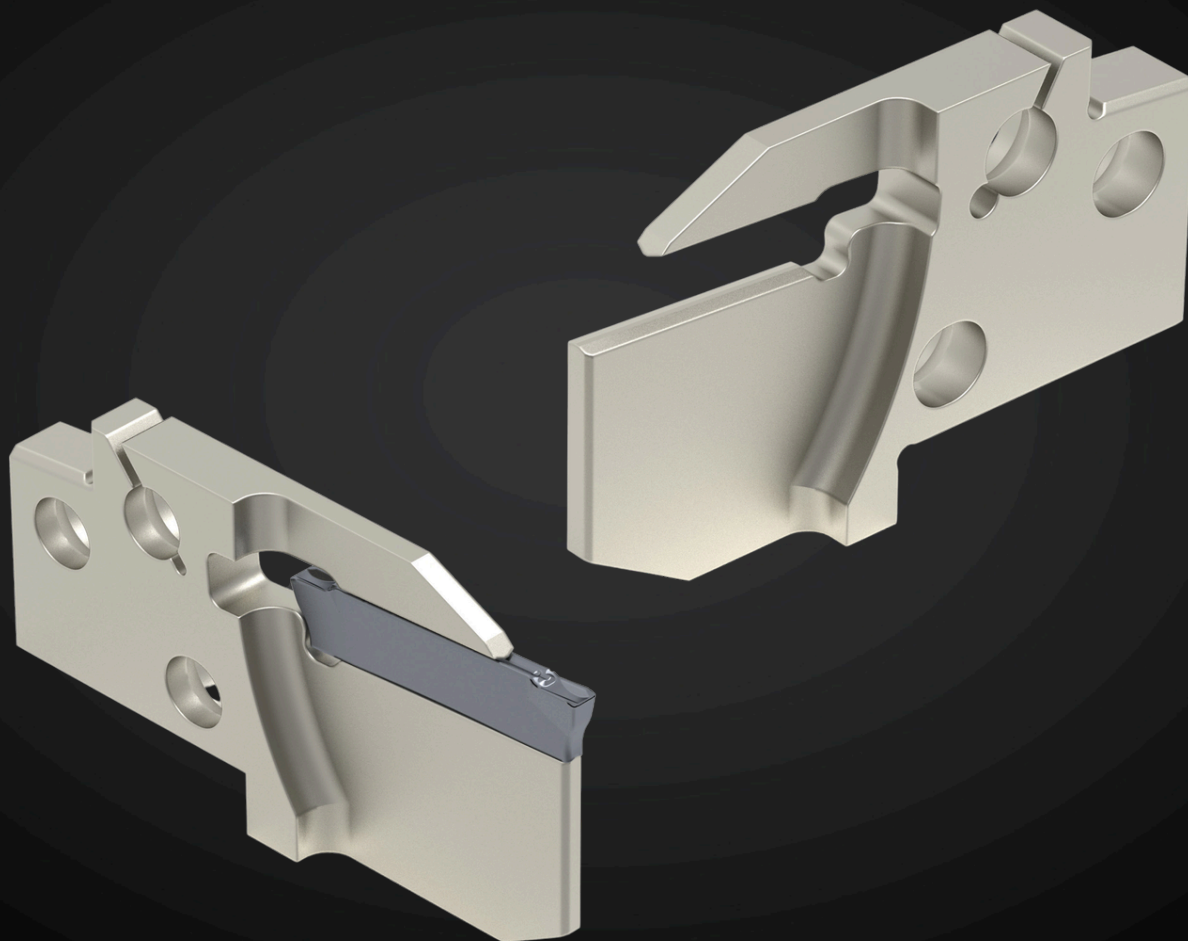


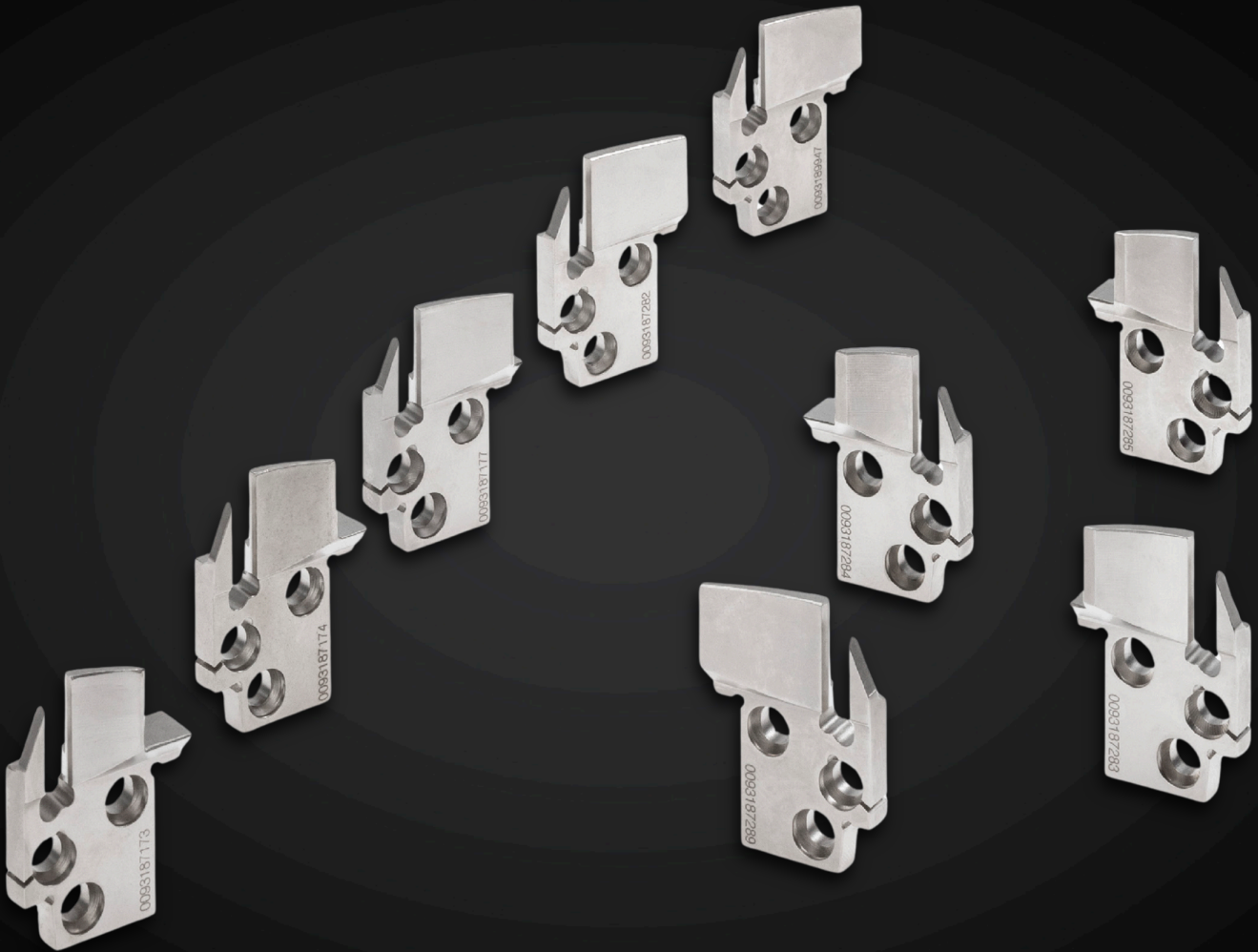
Designation	S [inch]	T _{max} [inch]	D _{min} [inch]	D _{max} [inch]	h = h ₁ [inch]	h ₂ [inch]	b [inch]	l ₁ [inch]	l ₂ [inch]	f [inch]	Material number	Available
GMAR-100-GA03-D-T13-40-50	0.118	0.512	1.575	1.969	1.000	1.300	1.000	6.000	1.563	0.957	on request	●
GMAR-100-GA03-D-T13-50-60	0.118	0.512	1.969	2.362	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA03-D-T13-60-75	0.118	0.512	2.362	2.953	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA03-D-T13-75-100	0.118	0.512	2.953	3.937	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA03-D-T13-100-140	0.118	0.512	3.937	5.512	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA03-D-T13-140-200	0.118	0.512	5.512	7.874	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA03-D-T13-40-50	0.118	0.512	1.575	1.969	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA03-D-T13-50-60	0.118	0.512	1.969	2.362	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA03-D-T13-60-75	0.118	0.512	2.362	2.953	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA03-D-T13-75-100	0.118	0.512	2.953	3.937	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA03-D-T13-100-140	0.118	0.512	3.937	5.512	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA03-D-T13-140-200	0.118	0.512	5.512	7.874	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA04-D-T13-40-50	0.157	0.512	1.575	1.969	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA04-D-T13-50-60	0.157	0.512	1.969	2.362	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA04-D-T13-60-75	0.157	0.512	2.362	2.953	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA04-D-T13-75-100	0.157	0.512	2.953	3.937	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA04-D-T13-100-140	0.157	0.512	3.937	5.512	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA04-D-T13-140-200	0.157	0.512	5.512	7.874	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA04-D-T13-40-50	0.157	0.512	1.575	1.969	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA04-D-T13-50-60	0.157	0.512	1.969	2.362	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA04-D-T13-60-75	0.157	0.512	2.362	2.953	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA04-D-T13-75-100	0.157	0.512	2.953	3.937	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA04-D-T13-100-140	0.157	0.512	3.937	5.512	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAL-100-GA04-D-T13-140-200	0.157	0.512	5.512	7.874	1.000	1.300	1.000	6.000	1.563	0.957		●
GMAR-100-GA05-D-T20-45-60	0.197	0.787	1.772	2.362	1.000	1.300	1.000	6.000	1.535	0.917		●
GMAR-100-GA05-D-T20-60-75	0.197	0.787	2.362	2.953	1.000	1.300	1.000	6.000	1.535	0.917		●
GMAR-100-GA05-D-T28-75-100	0.197	1.102	2.953	3.937	1.000	1.300	1.000	6.000	1.850	0.917		●
GMAR-100-GA05-D-T28-100-180	0.197	1.102	3.937	7.087	1.000	1.300	1.000	6.000	1.850	0.917		●
GMAR-100-GA05-D-T32-180-400	0.197	1.260	7.087	15.748	1.000	1.300	1.000	6.000	2.007	0.917		●
GMAL-100-GA05-D-T20-45-60	0.197	0.787	1.772	2.362	1.000	1.300	1.000	6.000	1.535	0.917		●
GMAL-100-GA05-D-T20-60-75	0.197	0.787	2.362	2.953	1.000	1.300	1.000	6.000	1.535	0.917		●
GMAL-100-GA05-D-T28-75-100	0.197	1.102	2.953	3.937	1.000	1.300	1.000	6.000	1.850	0.917		●
GMAL-100-GA05-D-T28-100-180	0.197	1.102	3.937	7.087	1.000	1.300	1.000	6.000	1.850	0.917		●
GMAL-100-GA05-D-T32-180-400	0.197	1.260	7.087	15.748	1.000	1.300	1.000	6.000	2.007	0.917		●

● available from stock, ○ available upon request

Module

NEW



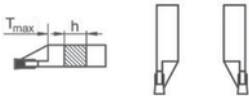


Module

NEW

GO/GD





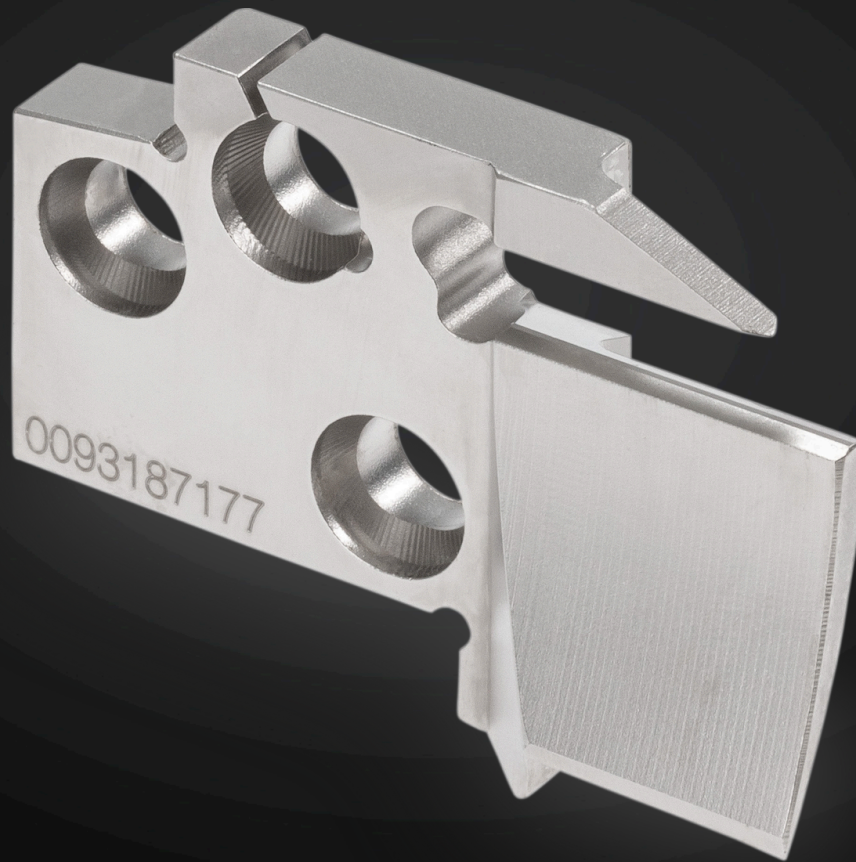
Tool	Designation	T _{max} [inch]	h		Material number	Available
	GEML-2002-GO2402-T25	0.984	0.787	L	12578880	●
	GEMR-2002-GO2402-T25	0.984	0.787	R	12578890	●
	GEML-2003-GO2403-T25	0.984	0.787	L	12578885	●
	GEMR-2003-GO2403-T25	0.984	0.787	R	12578892	●
	GEML-2004-GO2404-T25	0.984	0.787	L	12578889	●
	GEMR-2004-GO2404-T25	0.984	0.787	R	12578893	●
	GEML-2005-GO2405-T25	0.984	0.787	L	14741456	●
	GEMR-2005-GO2405-T25	0.984	0.787	R	14743054	●
	GEML-2006-GO2406-T25	0.984	0.787	L	14743055	●
	GEMR-2006-GO2406-T25	0.984	0.787	R	14743056	●
	GEML-2502-GO2402-T25	0.984	0.984	L	12599637	●
	GEMR-2502-GO2402-T25	0.984	0.984	R	12599628	●
	GEML-2503-GO2403-T25	0.984	0.984	L	12599640	●
	GEMR-2503-GO2403-T25	0.984	0.984	R	12599630	●
	GEML-2504-GO2404-T25	0.984	0.984	L	12599643	●
	GEMR-2504-GO2404-T25	0.984	0.984	R	12599635	●
	GEML-2505-GO2405-T25	0.984	0.984	L	14743057	●
	GEMR-2505-GO2405-T25	0.984	0.984	R	14743058	●
	GEML-2506-GO2406-T25	0.984	0.984	L	14743059	●
	GEMR-2506-GO2406-T25	0.984	0.984	R	14743061	●

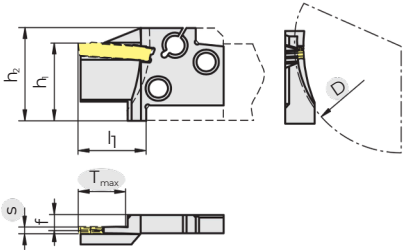
● available from stock, ○ available upon request

Module

NEW

GA





Designation	S [inch]	T _{max} [inch]	D _{min} [inch]	D _{max} [inch]	h = h ₁ [inch]	h ₂ [inch]	l ₁ [inch]	f [inch]	Material number	Available
GAMR-2503-GA2403-T15-40-50	0.118	0.591	1.575	0.118	0.984	1.969	0.866	0.193	14463975	●
GAMR-2503-GA2403-T15-50-60	0.118	0.591	1.969	0.118	0.984	2.362	0.866	0.193	14463983	●
GAMR-2503-GA2403-T15-60-75	0.118	0.591	2.362	0.118	0.984	2.953	0.866	0.193	14464017	●
GAMR-2503-GA2403-T15-75-100	0.118	0.591	2.953	0.118	0.984	3.937	0.866	0.193	14464019	●
GAMR-2503-GA2403-T15-100-140	0.118	0.591	3.937	0.118	0.984	5.512	0.866	0.193	14464021	●
GAMR-2503-GA2403-T15-140-200	0.118	0.591	5.512	0.118	0.984	7.874	0.866	0.193	14464024	●
GAML-2503-GA2403-T15-40-50	0.118	0.591	1.575	0.118	0.984	1.969	0.866	0.193	14463992	●
GAML-2503-GA2403-T15-50-60	0.118	0.591	1.969	0.118	0.984	2.362	0.866	0.193	14464003	●
GAML-2503-GA2403-T15-60-75	0.118	0.591	2.362	0.118	0.984	2.953	0.866	0.193	14464004	●
GAML-2503-GA2403-T15-75-100	0.118	0.591	2.953	0.118	0.984	3.937	0.866	0.193	14464005	●
GAML-2503-GA2403-T15-100-140	0.118	0.591	3.937	0.118	0.984	5.512	0.866	0.193	14464007	●
GAML-2503-GA2403-T15-140-200	0.118	0.591	5.512	0.118	0.984	7.874	0.866	0.193	14464009	●
GAMR-2504-GA2404-T15-40-50	0.157	0.591	1.575	0.157	0.984	1.969	0.866	0.173	14482809	●
GAMR-2504-GA2404-T15-50-60	0.157	0.591	1.969	0.157	0.984	2.362	0.866	0.173	14482811	●
GAMR-2504-GA2404-T15-60-75	0.157	0.591	2.362	0.157	0.984	2.953	0.866	0.173	14482813	●
GAMR-2504-GA2404-T15-75-100	0.157	0.591	2.953	0.157	0.984	3.937	0.866	0.173	14482815	●
GAMR-2504-GA2404-T15-100-140	0.157	0.591	3.937	0.157	0.984	5.512	0.866	0.173	14482816	●
GAMR-2504-GA2404-T15-140-200	0.157	0.591	5.512	0.157	0.984	7.874	0.866	0.173	14482819	●
GAML-2504-GA2404-T15-40-50	0.157	0.591	1.575	0.157	0.984	1.969	0.866	0.173	14482788	●
GAML-2504-GA2404-T15-50-60	0.157	0.591	1.969	0.157	0.984	2.362	0.866	0.173	14482790	●
GAML-2504-GA2404-T15-60-75	0.157	0.591	2.362	0.157	0.984	2.953	0.866	0.173	14482794	●
GAML-2504-GA2404-T15-75-100	0.157	0.591	2.953	0.157	0.984	3.937	0.866	0.173	14482797	●
GAML-2504-GA2404-T15-100-140	0.157	0.591	3.937	0.157	0.984	5.512	0.866	0.173	14482800	●
GAML-2504-GA2404-T15-140-200	0.157	0.591	5.512	0.157	0.984	7.874	0.866	0.173	14482804	●

● available from stock, ○ available upon request

Module Holder

NEW



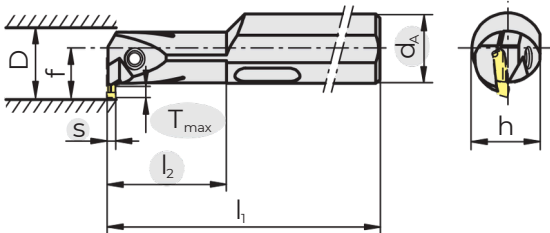
Tool	Designation	s	Module Radial	Module axial	Material number	Available
	GEMHL-M-075075-00-B	0	GEML-075		on request	●
	GEMHR-M-075075-00-B	0	GEMR-075			●
	GEMHL-M-075075-45-B	45	GEMR-075			●
	GEMHR-M-075075-45-B	45	GEML-075			●
	GEMHL-M-075075-90-B	90	GEML-075			●
	GEMHR-M-075075-90-B	90	GEMR-075			●
	GEMHL-M-100100-00-G	0	GEML-100	GAML-100	on request	●
	GEMHR-M-100100-00-G	0	GEMR-100	GAMR-100		●
	GEMHL-M-100100-45-G	45	GEMR-100	GAMR-100		●
	GEMHR-M-100100-45-G	45	GEML-100	GAML-100		●
	GEMHL-M-100100-90-G	90	GEMR-100	GAMR-100		●
	GEMHR-M-100100-90-G	90	GEML-100	GAML-100		●

Spare parts	Designation	Material number
	Key T15	220983
	Key T20	220985
	M4.0X11/T15	219981
	M4.0X14/T15	195068
	M5.0X13.5/T20	219982
	M5.0X18/T20	195069

● available from stock, ○ available upon request

Boring Bars





Designation	d _A [inch]	T _{max} [inch]	s [inch]	h [inch]	f [inch]	l ₁ [inch]	l ₂ [inch]	D _{min} [inch]	Material number	Available
GMIR-25-GD2402-T08-C	0.984	0.315	0.079	0.961	0.827	7.874	2.047	1.260	14579550	●
GMIR-25-GD2403-T09-C	0.984	0.354	0.118	0.965	0.866	7.874	2.047	1.260	14579559	●
GMIR-32-GD2403-T11-C	1.260	0.433	0.118	1.220	1.083	9.843	2.520	1.654	14531572	●
GMIR-32-GD2404-T11-C	1.260	0.433	0.157	1.220	1.083	9.843	2.520	1.654	14579577	●
GMIR-40-GD2404-T12-C	1.575	0.472	0.157	1.516	1.280	11.811	3.150	2.087	14579584	●
GMIR-40-GD2405-T12-C	1.575	0.472	0.197	1.516	1.280	11.811	3.150	2.087	14579589	●
GMIL-25-GD2402-T08-C	0.984	0.315	0.079	0.961	0.827	7.874	2.047	1.260	14579552	●
GMIL-25-GD2403-T09-C	0.984	0.354	0.118	0.965	0.866	7.874	2.047	1.260	14579575	●
GMIL-32-GD2403-T11-C	1.260	0.433	0.118	1.220	1.083	9.843	2.520	1.654	14579548	●
GMIL-32-GD2404-T11-C	1.260	0.433	0.157	1.220	1.083	9.843	2.520	1.654	14579582	●
GMIL-40-GD2404-T12-C	1.575	0.472	0.157	1.516	1.280	11.811	3.150	2.087	14579587	●
GMIL-40-GD2405-T12-C	1.575	0.472	0.197	1.516	1.280	11.811	3.150	2.087	14579592	●

Spare parts



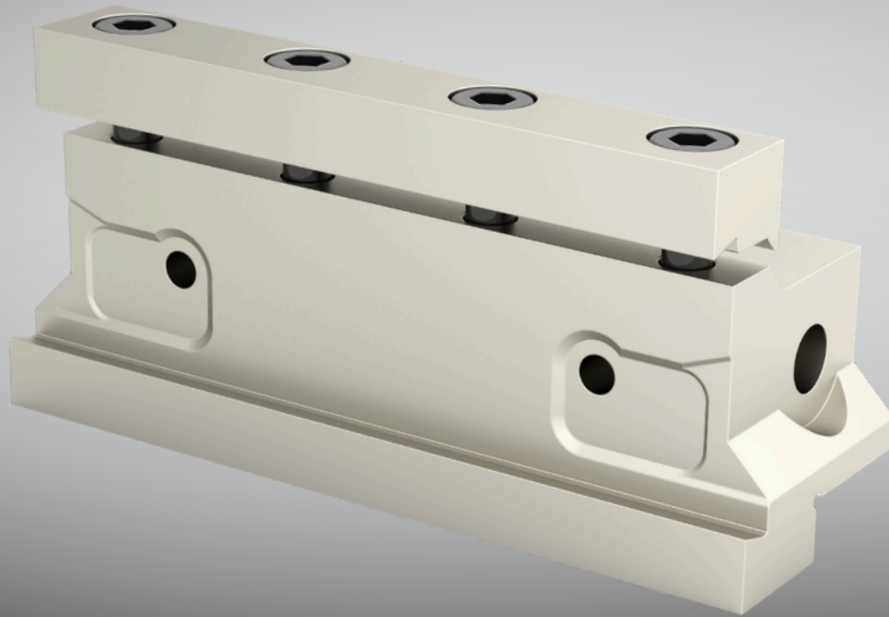
Designation

Material number

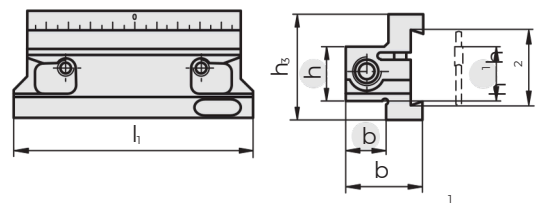
Key T20	220985
M5.0X18/T20	195069
M4.0X4.0 DIN 913	1404021

● available from stock, ○ available upon request

Clamping block



SCB



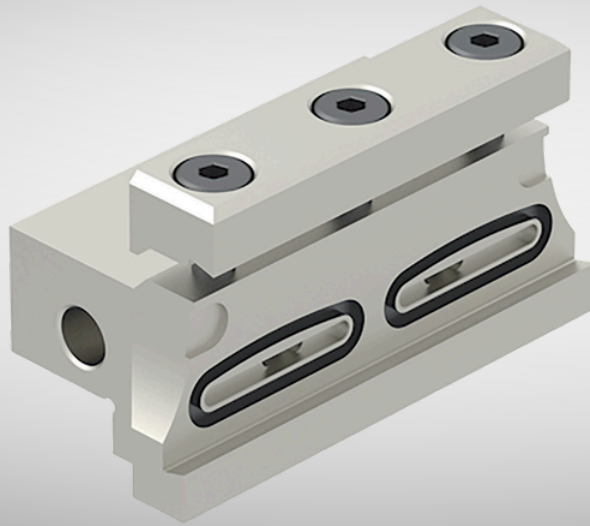
Designation	Material	h_2 [inch]	h [inch]	h_1 [inch]	h_3 [inch]	l_1 [inch]	b [inch]	b_1 [inch]	For blade	Available
SCB-GB26-075	14551846	1.020	0.750	0.750	1.690	3.540	0.700	1.460	GBN...26...	●
SCB-GB32-100	14551850	1.260	1.000	1.000	1.930	4.330	0.950	1.500	GBN...32...	●

Spare part for clamping block without cooling

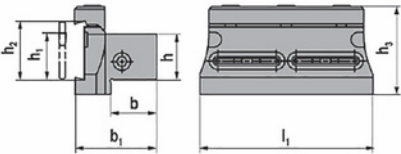
Spare parts	Designation	Material number
	Clamping screw M6.0x25	22485

● available from stock, ○ available upon request

Clamping block



Range



Designation	Material	h_2 [inch]	h [inch]	h_1 [inch]	h_3 [inch]	l_1 [inch]	b [inch]	b_1 [inch]	For blade	Available
SCB-GB26-075	12376603	1.020	0.750	0.750	1.690	3.540	0.700	1.460	GBN...26...	●
SCB-GB32-100	12376605	1.260	1.000	1.000	1.930	4.330	0.950	1.500	GBN...32...	●

Spare part for clamping block with cooling

Spare parts	Designation	Material number
	Grub screw M6.0x8	11960993
	Clamping screw M6.0x12	11776816

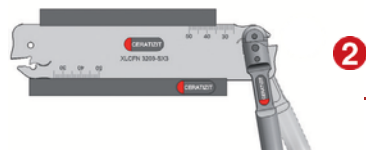
● available from stock, ○ available upon request



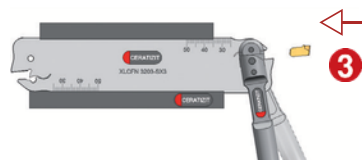
How to use the system?



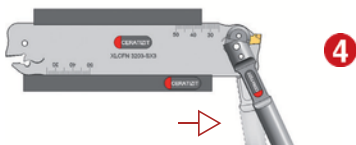
Insert mounting key with handle towards the front into the 2 tool location points



When moving the mounting key in the direction of the arrows the insert seat is opened



Position the insert pressing it against the location face



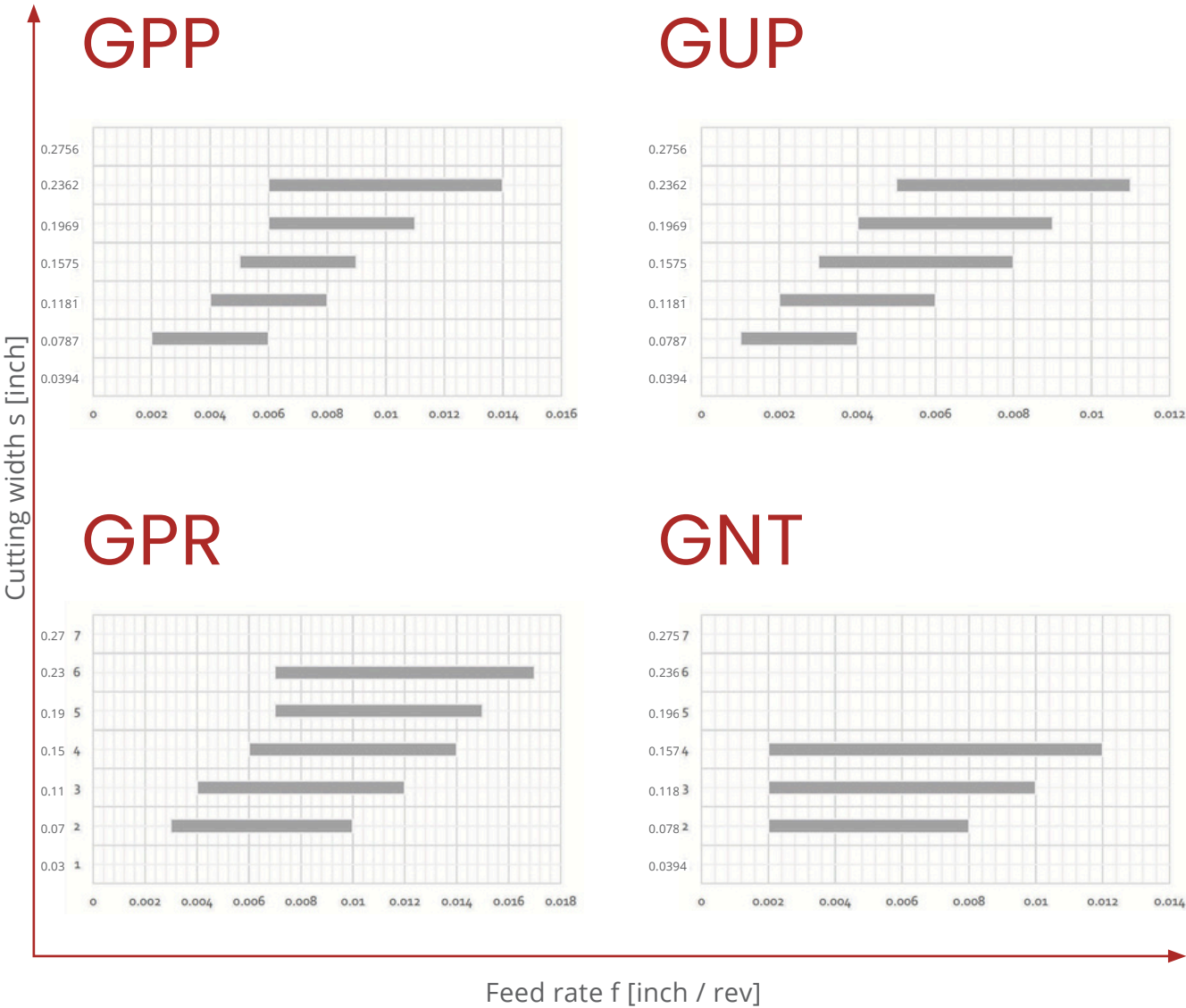
Moving the mounting key forward the insert seat locks and insert is clamped securely

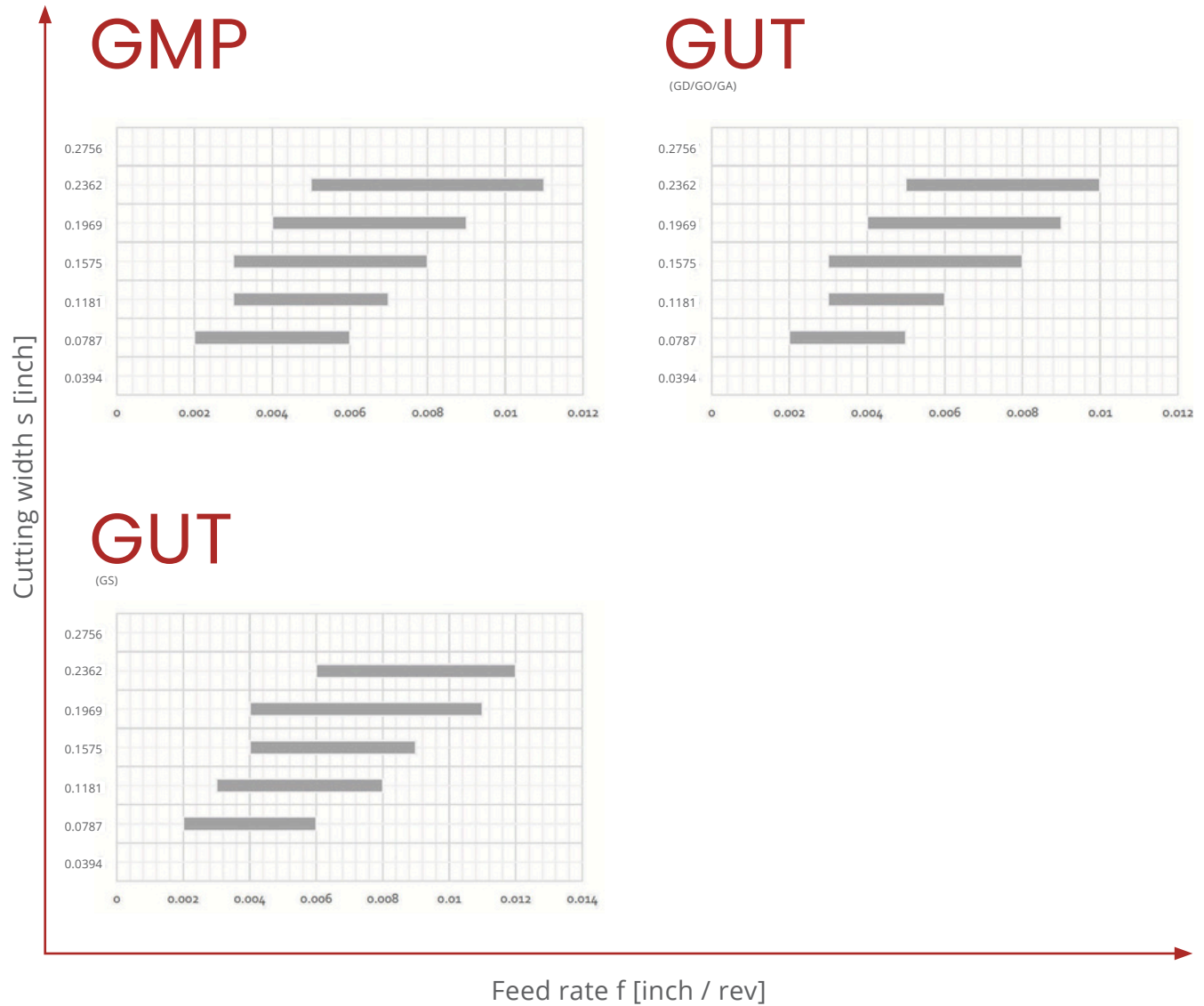


When changing the inserts, always maintain tension on the key!



Feed rate recommendation





Feed rate recommendation

GUT

(GD/GO/GA)

	0.0197 ap (inch)	0.0394 ap (inch)	0.0591 ap (inch)	0.0787 ap (inch)	0.0984 ap (inch)	0.1181 ap (inch)	0.1378 ap (inch)
Cutting width	Feed rate f inch/rev.						
0.0787	0.0039 – 0.0059	0.0020 – 0.0059	0.0020 – 0.0047	0.0020 – 0.0039			
0.1181	0.0039 – 0.0067	0.0020 – 0.0067	0.0020 – 0.0067	0.0020 – 0.0059	0.0020 – 0.0047		
0.1575	0.0039 – 0.0790	0.0028 – 0.0079	0.0028 – 0.0079	0.0028 – 0.0079	0.0028 – 0.0067	0.0028 – 0.0059	
0.1969	0.0039 – 0.0098	0.0039 – 0.0098	0.0028 – 0.0098	0.0028 – 0.0098	0.0028 – 0.0087	0.0028 – 0.0079	
0.2362	0.0059 – 0.0118	0.0059 – 0.0118	0.0059 – 0.0118	0.0059 – 0.0118	0.0059 – 0.0118	0.0059 – 0.0098	0.0059 – 0.0087

GUT

(GS)

	0.0197 ap (inch)	0.0394 ap (inch)	0.0591 ap (inch)	0.0787 ap (inch)	0.0984 ap (inch)	0.1181 ap (inch)
Cutting width	Feed rate f inch/rev.					
0.0787	0.0020 – 0.0067	0.0020 – 0.0051	0.0020 – 0.0039			
0.1181	0.0028 – 0.0079	0.0028 – 0.0079	0.0028 – 0.0071	0.0028 – 0.0059		
0.1575	0.0039 – 0.0098	0.0039 – 0.0098	0.0039 – 0.0098	0.0039 – 0.0087	0.0039 – 0.0071	
0.1969	0.0047 – 0.0106	0.0047 – 0.0106	0.0047 – 0.0106	0.0047 – 0.0098	0.0047 – 0.0087	
0.2362	0.0059 – 0.0118	0.0059 – 0.0118	0.0059 – 0.0118	0.0059 – 0.0118	0.0059 – 0.0098	0.0059 – 0.0079

GPR / GMR

	0.0197 ap (inch)	0.0394 ap (inch)	0.0591 ap (inch)	0.0787 ap (inch)	0.0984 ap (inch)	0.1181 ap (inch)
Cutting width	Feed rate f inch/rev.					
0.0787	0.0059 – 0.0181	0.0059 – 0.0106				
0.1181	0.0059 – 0.0138	0.0059 – 0.0138	0.0059 – 0.0118			
0.1575	0.0059 – 0.0157	0.0059 – 0.0157	0.0059 – 0.0157	0.0059 – 0.0118		
0.1969	0.0059 – 0.0197	0.0059 – 0.0197	0.0059 – 0.0197	0.0059 – 0.0157	0.0059 – 0.0138	
0.2362	0.0079 – 0.0276	0.0079 – 0.0276	0.0079 – 0.0276	0.0079 – 0.0236	0.0079 – 0.0197	0.0079 – 0.0157

Cutting speed recommendation

GUT

Work piece material	Type of treatment/alloy	Hardness	Coated carbide		
			PTSP1340 vC [sfm]	PTSCP320ST vC [sfm]	PTSP345 vC [sfm]
P	Steel	non alloyed steel 0.15% - 0.45% C	260 - 590	360 - 620	260 - 490
		low alloyed steel tempered	200 - 490	360 - 590	230 - 390
		high alloyed steel tempered	160 - 390	230 - 520	200 - 330
		corrosion resistant steel annealed	160 - 660	390 - 660	300 - 520
M	Stainless steel	annealed ferritic	160 - 660	390 - 660	330 - 590
		quenched austenitic	160 - 590	330 - 560	260 - 490
		quenched duplex	160 - 330	230 - 360	230 - 360
		hardened martensitic	160 - 260	200 - 300	200 - 300
K	Cast iron	grey cast iron	330 - 660	300 - 590	-
		spheroidal	330 - 590	330 - 520	-
		malleable ferritic	260 - 520	260 - 490	-

GMP, GMR

Work piece material	Type of treatment/alloy	Hardness HB	Coated carbide		
			PTSP1340 vC [sfm]	PTSCP320ST vC [sfm]	PTSP345 vC [sfm]
M	Stainless steel	annealed ferritic	160 - 660	390 - 660	330 - 590
		quenched austenitic	160 - 590	330 - 560	260 - 490
		quenched duplex	160 - 330	230 - 360	230 - 360
		hardened martensitic	160 - 260	200 - 300	200 - 300
S	Exotic	Fe base	-	-	70 - 150
		Nickel or cobalt base	-	-	50 - 80
		Titanium	-	-	160 - 390

GNT

Work piece material	Type of treatment/alloy	Hardness HB	Uncoated carbide PTSWN315 vC [sfm]
N	Aluminum wrought alloys	100	660 – 6560
	Aluminum cast alloys < 12% Si	90	1310 – 4920
	Copper alloys (bronze)	90	660 – 1970

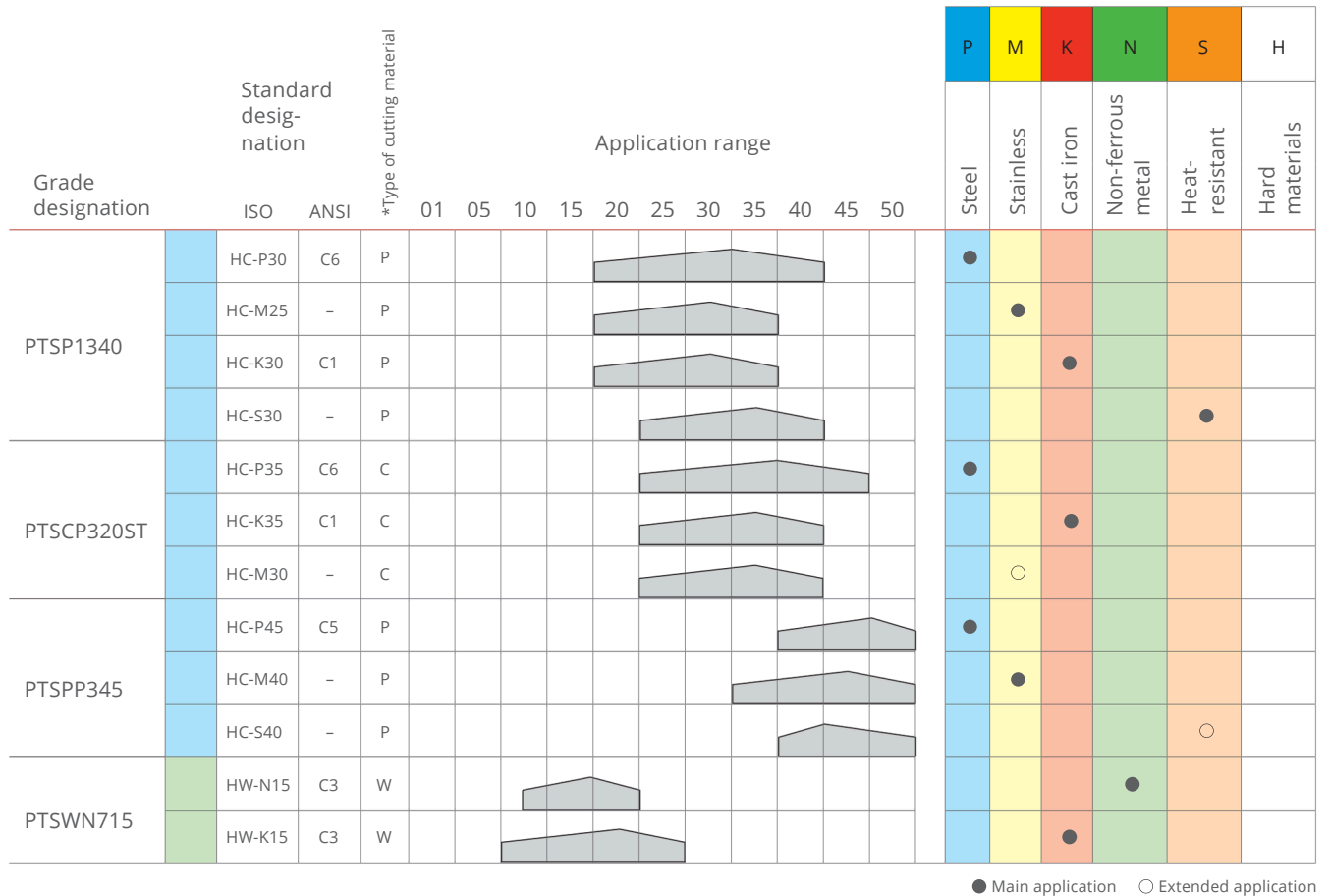
Maximal torque for screws

Designation	max. torque/in.lbs	Material
7812115/M6X20 DIN 912	61.8	4493
7802115/M6X25 DIN 912-12.9	61.8	22485
7897218/M4.0X18/T20	35.3	11007006
M6X6 DIN 913	53.1	11040843
7897221/M3.5X14.0/T15	28.3	11081190
10010029/M6X12 DIN 912-12.9	61.8	11776816
M0102554/M4.0X16/T20 SCREW	35.3	12003031
7897203/M4.0X14/T15	35.3	195068
7897209/M4.0X11/T15	35.3	219981
7897205/M5.0X18/T20	44.2	195069
7897210/M5.0X13.5/T20	44.2	219982

Grade overview



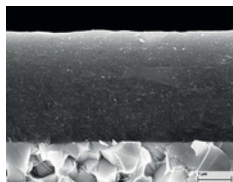
Grade overview



Grade description

PTSP1340

HC-P30 | HC-M25 | HC-K30 | HC-S30



Specification:

Composition: Co 9.0 %; mixed carbides 2.0 %; WC balance | Grain size: 0.7-1 μm |
Hardness: HV₃₀ 1590 | Coating specification: PVD TiAlN

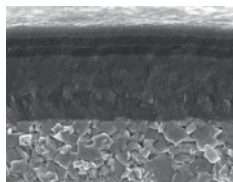
Recommended application:

The universal high-performance grade for steel, austenitic steel, cast iron and heat-resistant alloys.

- ▲ Excellent suitability for universal application
- ▲ High cutting edge stability

PTSCP320ST

HC-P35 | HC-K35 | HC-M30



Specification:

Composition: Co 10.5 %; mixed carbides 2.0 %; WC balance | Grain size: 1 μm |
Hardness: HV₃₀ 1400 | Coating specification: CVD TiCN-Al₂O₃ multi-layer

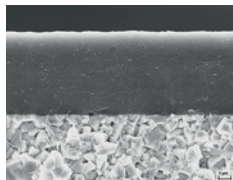
Recommended application:

The reliable choice for the machining of steel and cast iron.

- ▲ Excellent wear resistance
- ▲ Good resistance to oxidation
- ▲ High toughness
- ▲ Good heat resistance

PTSP345

HC-P45 | HC-M40 | HC-S40



Specification:

Composition: Co 12.5 %; mixed carbides 2.0 %; WC balance | Grain size: 1-1.5 μm |
Hardness: HV₃₀ 1380 | Coating specification: PVD TiAlTaN

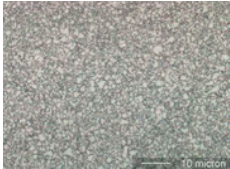
Recommended application:

The reliable solution for steel and austenitic steels under unstable conditions.

- ▲ Ideal for stainless steel
- ▲ Excellent toughness
- ▲ Good wear resistance
- ▲ High application security

PTSWN715

HW-K15



Specification:

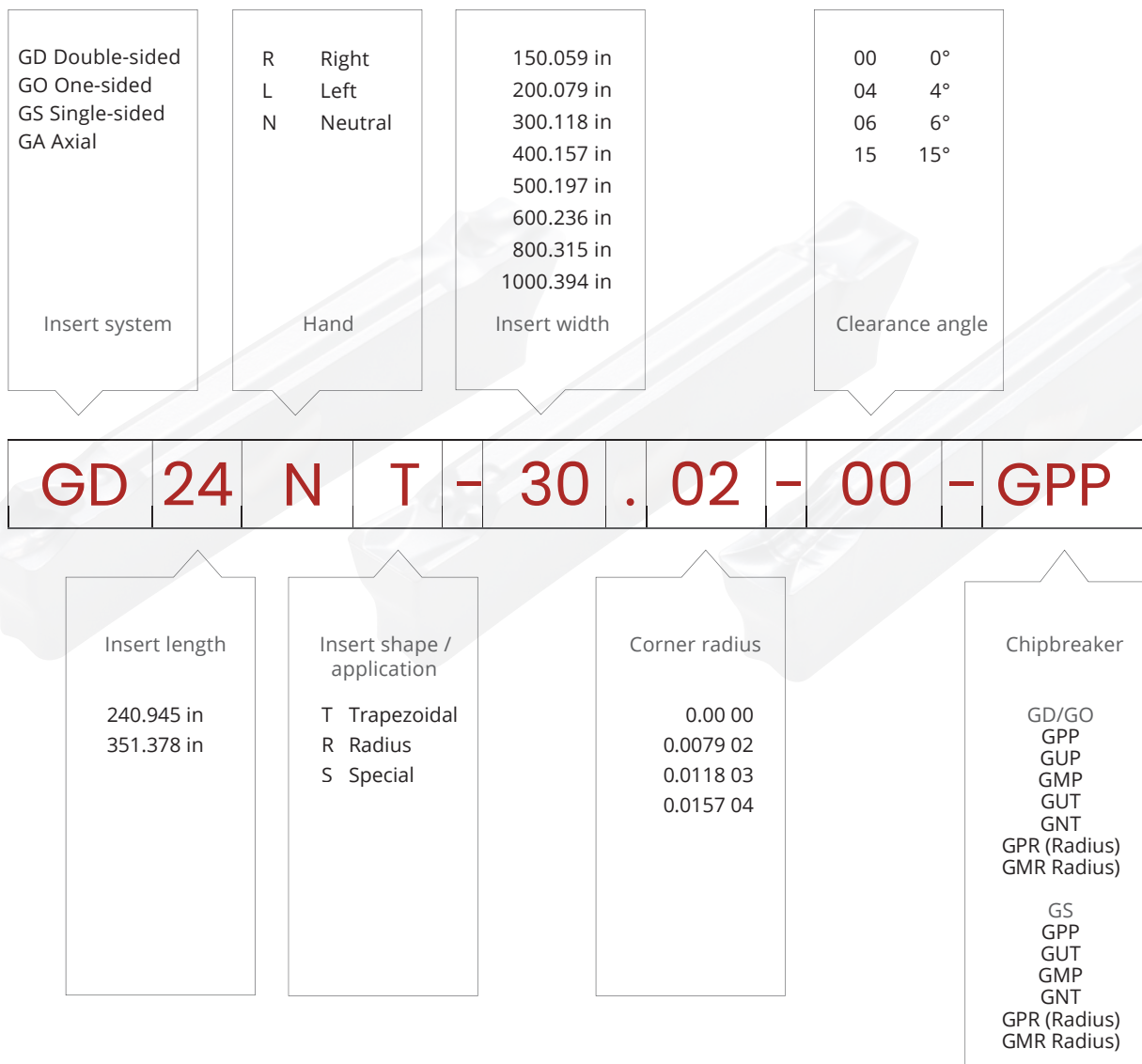
Composition: Co 6.0% | WC balance; other: 0.20% | Grain size: 0.8-1.3 μm | Hardness: HV₃₀ 1650

Recommended application:

The uncoated carbide grade for the machining of aluminum and other non-ferrous metals.

- ▲ Optimized for aluminum
- ▲ High wear resistance
- ▲ High heat resistance
- ▲ Low tendency to adhesion

Designation system for inserts



Designation system for Monoblocks tools

GM
Monoblocks

Tool Group

R Right
L Left
N Neutral

Tool design

GD24
GO24
GS
GA

Insert type

010.059 in
020.079 in
030.118 in
040.157 in
050.197 in
060.236 in
080.315 in
100.394 in

Holder angle
00 0°
45 45°
90 90°

Insert width

T13 0.512 in
T25 0.984 in

Cutting depth
T_{max}

GM E R - 100 - GD24 02 - C - T13 - C

Application

E External
I Internal
A Axial

Tool size

050 0.500" x 0.500"
0625 0.625" x 0.625"
075 0.750" x 0.750"
100 1.000" x 1.000"
125 1.250" x 1.250"

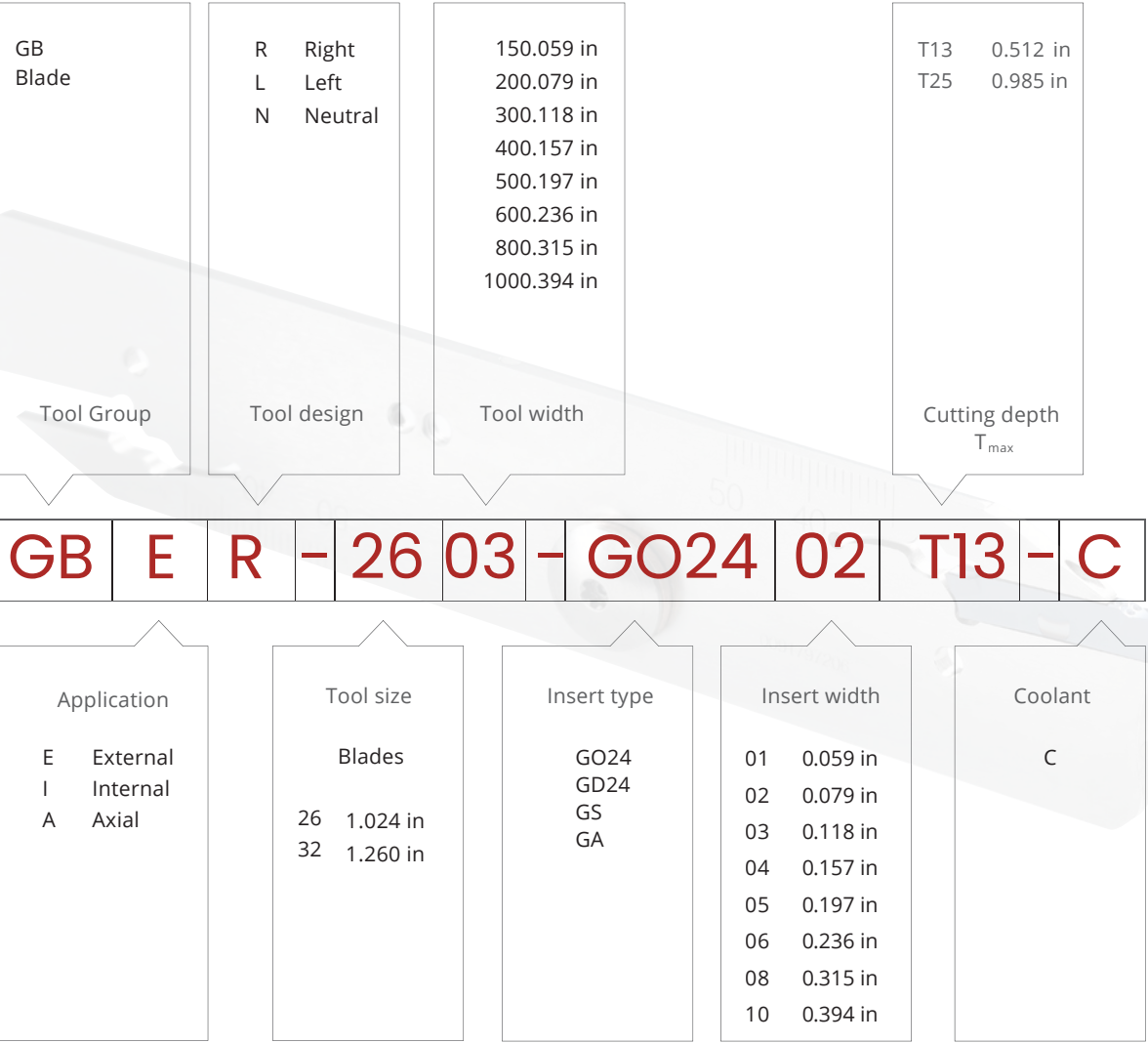
Tool length

C 5"
D 6"
P 4,5"
G 5,5"

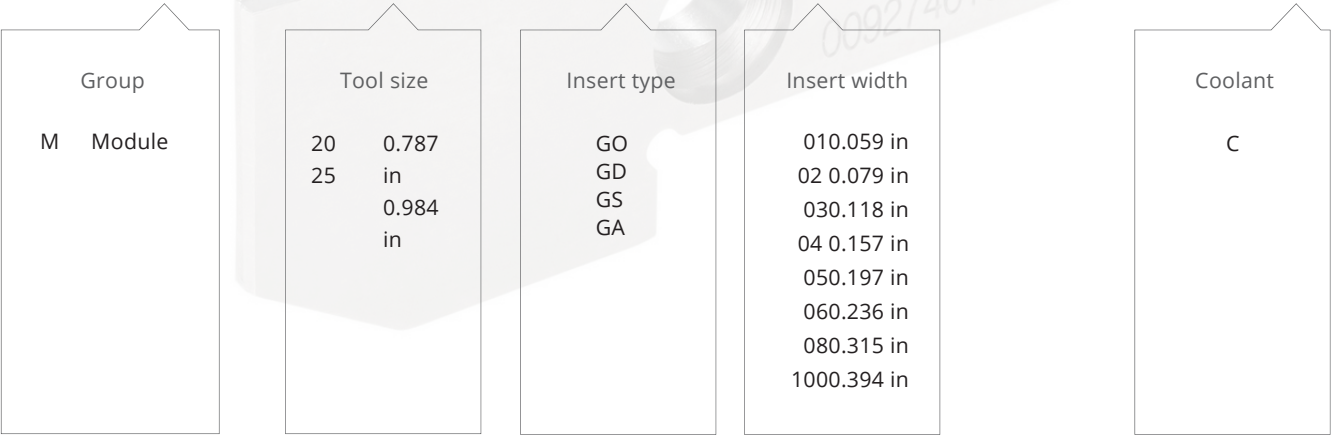
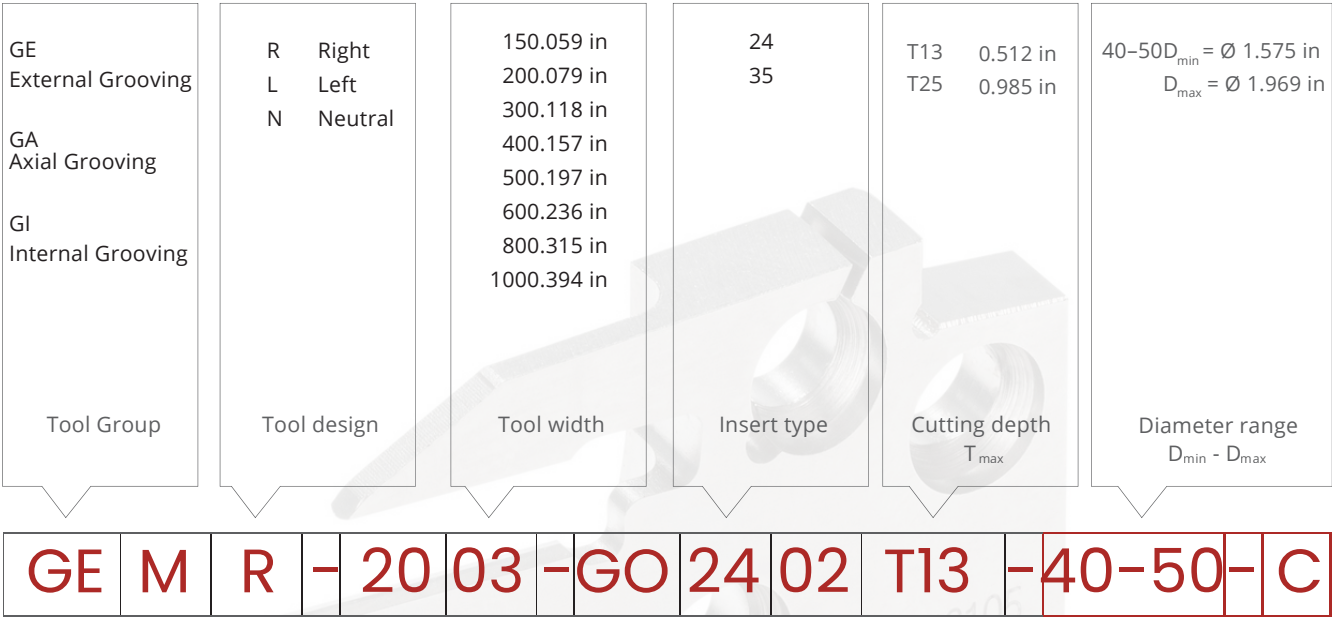
Coolant

C

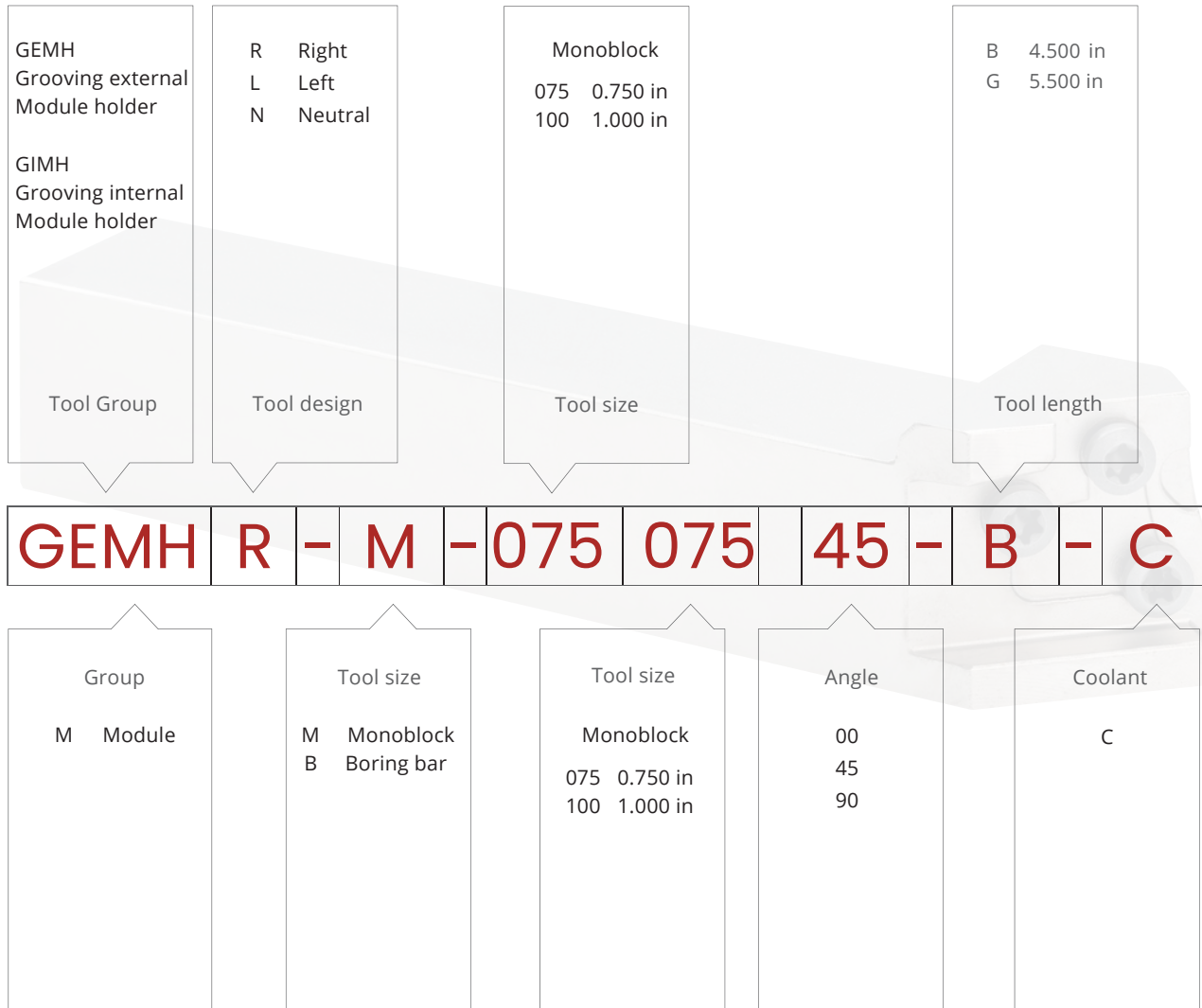
Designation system for blades



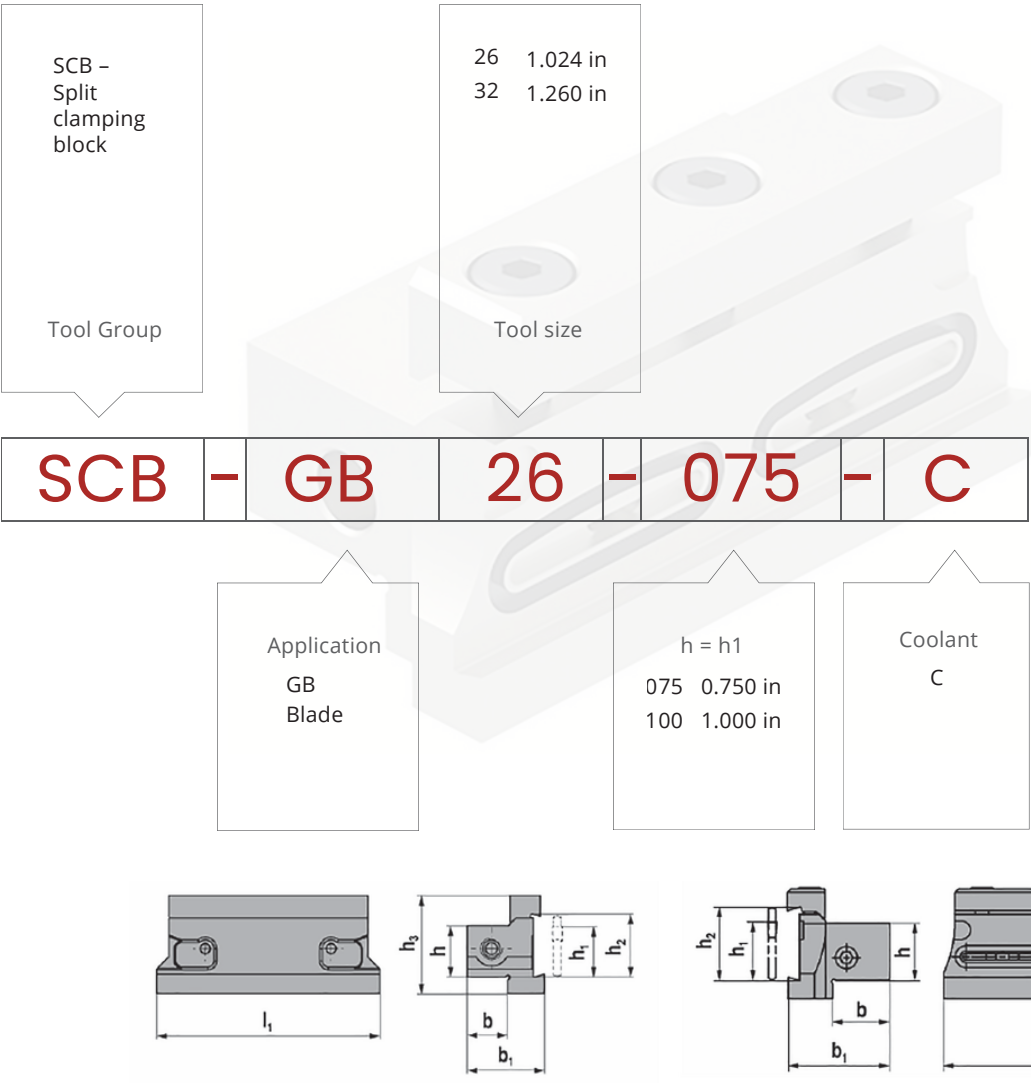
Designation system for moduls



Designation system for module holders



Designation system for clamping blocks



Headquarters

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We reserve the right to make technical changes and product improvements.