

# NPN

New Product News



## TDEEP

### TRGD Gundrill Line Expansion



## KEY POINT

**TRGD gundrill line diameter range expanded to 7.94-42.5 mm and up to 45xD depth.**

The deep hole indexable insert drilling TRGD gundrill line, boasting excellent hole quality and straightness, enables better tool life and higher productivity compared to brazed gundrills.

TaeguTec has expanded the diameter range from 7.94 mm to 42.5 mm and the depth from the current 10-25xD by adding 35xD, 40xD and 45xD to the line. This expansion provides the same high stability deep hole drilling for a wider range of machining options in both the automotive and mold and die industries.

### Features

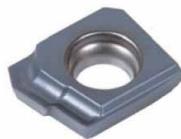
- Indexable insert type gundrill for deep hole machining
- Covers a wider range of hole diameters and machining conditions
- No separate diameter setting required
- Fewer number of parts for simplified inventory management
- Positive rake angle chipbreaker design for high-precision machining
- High-feed drilling capability improves productivity

### T-DEEP indexable gundrill

-TRGD



- Diameter range: **7.94**-32.00 mm
- Machining depth: 10xD-**45xD**
- Chip splitter inserts for excellent chip segmenting
- Optimized insert design by diameter



ZSGT (1 corner)  
Ø**7.94**-11.80 mm



LOGT LOGT (2 corners)  
Ø11.81-13.99 mm



TOGT LOGT (3 corners)  
Ø14.00-32.00 mm

-TRGD3



- Diameter range: 28.01-**42.50** mm
- Machining depth: 10xD-15xD
- 3 inserts (peripheral, intermediate center) for excellent chip splitting

Peripheral insert	NPHT...R-**-P
Intermediate insert	NPMT...R-**-I
Center insert	NPMT...L-**-C





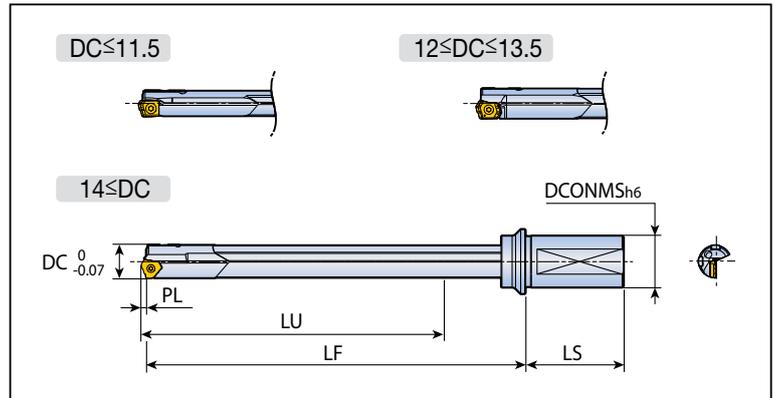
## TRGD



### Standard gundrill holders



• Drilling depth: 10-45x diameter



Designation	Dimension (mm)						
	DC	LU	LF	LS	DCONMS	PL	L/D
<b>TRGD 16.00xM25-10</b>	16.0	172	209	56	25	2.2	10
<b>16.50xM25-10</b>	16.5	172	209	56	25	2.2	10
<b>17.00xM25-10</b>	17.0	182	220	56	25	2.2	10
<b>18.00xM25-10</b>	18.0	193	232	56	25	3.0	10
<b>19.00xM25-10</b>	19.0	203	243	56	25	3.0	10
<b>20.00xM32-10</b>	20.0	213	255	60	32	3.2	10
<b>29.00xFM40-10</b>	29.0	294.6	360	69	40	4.6	10
<b>30.00xFM40-10</b>	30.0	314.6	383	69	40	4.6	10
<b>31.00xFM40-10</b>	31.0	314.6	383	69	40	4.6	10
<b>32.00xFM40-10</b>	32.0	324.6	395	69	40	4.6	10
<b>10.00XM20-15</b>	10.0	159.2	184.5	50	20	1.8	15
<b>10.50XM20-15</b>	10.5	166.7	193	50	20	1.8	15
<b>11.00XM20-15</b>	11.0	181.7	209	50	20	1.8	15
<b>11.50XM20-15</b>	11.5	181.7	209	50	20	1.8	15
<b>12.00XM20-15</b>	12.0	196.8	225	50	20	1.8	15
<b>12.50XM20-15</b>	12.5	196.8	226	50	20	1.8	15
<b>13.00XM25-15</b>	13.0	211.8	245	56	25	1.8	15
<b>13.50XM25-15</b>	13.5	211.8	245	56	25	1.8	15
<b>14.00xM25-15</b>	14.0	227	261	56	25	2.0	15
<b>14.50xM25-15</b>	14.5	227	262	56	25	2.0	15
<b>15.00xM25-15</b>	15.0	242	278	56	25	2.0	15
<b>16.00xM25-15</b>	16.0	257	294	56	25	2.2	15
<b>16.50xM25-15</b>	16.5	257	294	56	25	2.2	15
<b>17.00xM25-15</b>	17.0	272	310	56	25	2.2	15
<b>17.50xM25-15</b>	17.5	272	310	56	25	2.2	15
<b>18.00xM25-15</b>	18.0	288	327	56	25	3.0	15
<b>18.50xM25-15</b>	18.5	288	327	56	25	3.0	15
<b>19.00xM25-15</b>	19.0	303	343	56	25	3.0	15
<b>19.50xM25-15</b>	19.5	303	343	56	25	3.0	15
<b>20.00xM32-15</b>	20.0	318	360	60	32	3.2	15
<b>21.00xM32-15</b>	21.0	333	376	60	32	3.2	15
<b>22.00xM32-15</b>	22.0	348	393	60	32	3.4	15
<b>23.00xM32-15</b>	23.0	363	409	60	32	3.4	15
<b>24.00xM32-15</b>	24.0	378	426	60	32	3.4	15

► Guide pad is sold separately from drill body

► Available upon request

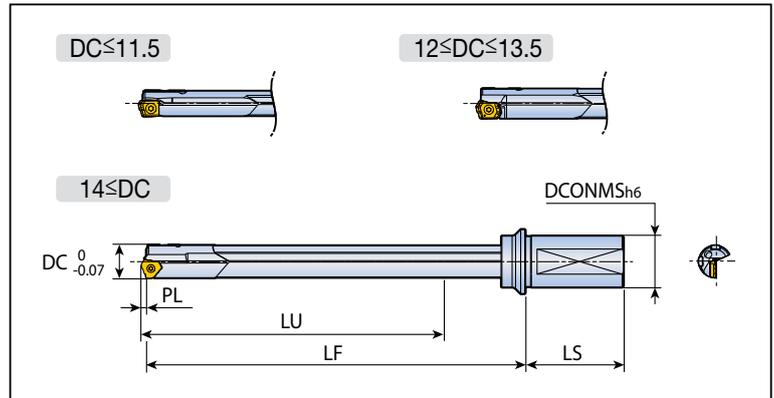
## TRGD



### Standard gundrill holders



• Drilling depth: 10-45x diameter



Designation	Dimension (mm)						
	DC	LU	LF	LS	DCONMS	PL	L/D
<b>TRGD 25.00xM32-15</b>	25.0	394	442	60	32	3.7	15
<b>26.00xM40-15</b>	26.0	409	449	70	40	3.7	15
<b>27.00xM40-15</b>	27.0	424	465	70	40	3.7	15
<b>28.00xM40-15</b>	28.0	424	467	70	40	3.7	15
<b>8.00XM20-20</b> <span style="color: red;">new</span>	8.0	169.2	192	50	20	1.2	20
<b>10.00XM20-20</b>	10.0	211.7	237	50	20	1.8	20
<b>10.50XM20-20</b>	10.5	221.7	248	50	20	1.8	20
<b>11.00XM20-20</b>	11.0	241.7	269	50	20	1.8	20
<b>11.50XM20-20</b>	11.5	241.7	269	50	20	1.8	20
<b>12.00XM20-20</b>	12.0	261.8	290	50	20	1.8	20
<b>12.50XM20-20</b>	12.5	261.8	291	50	20	1.8	20
<b>13.00XM25-20</b>	13.0	281.8	315	56	25	1.8	20
<b>13.50XM25-20</b>	13.5	281.8	315	56	25	1.8	20
<b>14.00xM25-20</b>	14.0	302	336	56	25	2.0	20
<b>14.50xM25-20</b>	14.5	302	337	56	25	2.0	20
<b>15.00xM25-20</b>	15.0	322	358	56	25	2.0	20
<b>29.00xFM40-20</b>	29.0	584.6	650	69	40	4.6	20
<b>30.00xFM40-20</b>	30.0	624.6	693	69	40	4.6	20
<b>31.00xFM40-20</b>	31.0	624.6	693	69	40	4.6	20
<b>32.00xFM40-20</b>	32.0	644.6	715	69	40	4.6	20
<b>8.00XM20-25</b> <span style="color: red;">new</span>	8.0	211.2	234	50	20	1.2	25
<b>8.50XM20-25</b> <span style="color: red;">new</span>	8.5	218.7	242.5	50	20	1.2	25
<b>9.00XM20-25</b> <span style="color: red;">new</span>	9.0	236.1	261	50	20	1.1	25
<b>10.00XM20-25</b>	10.0	264.5	289.5	50	20	1.8	25
<b>11.00XM20-25</b>	11.0	301.7	329	50	20	1.8	25
<b>11.50XM20-25</b>	11.5	301.7	329	50	20	1.8	25
<b>12.00XM20-25</b>	12.0	326.8	355	50	20	1.8	25
<b>12.50XM20-25</b>	12.5	326.8	356	50	20	1.8	25
<b>13.00XM25-25</b>	13.0	351.8	385	56	25	1.8	25
<b>13.50XM25-25</b>	13.5	351.8	385	56	25	1.8	25
<b>14.00xM25-25</b>	14.0	377	411	56	25	2.0	25
<b>14.50xM25-25</b>	14.5	377	412	56	25	2.0	25
<b>15.00xM25-25</b>	15.0	402	438	56	25	2.0	25
<b>16.00xM25-25</b>	16.0	427	464	56	25	2.2	25

► Guide pad is sold separately from drill body

► Available upon request

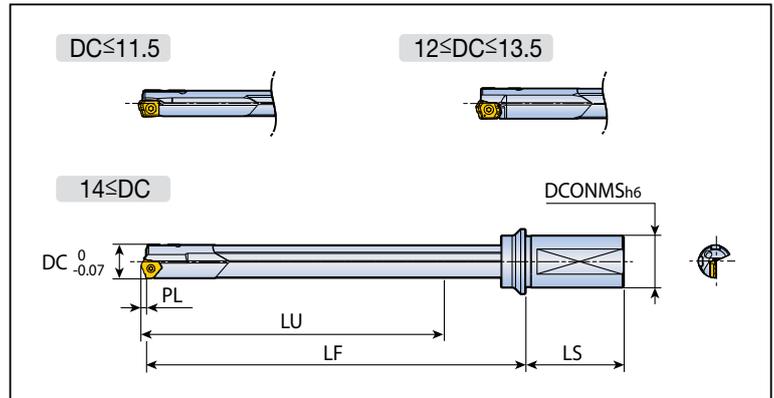
## TRGD



### Standard gundrill holders



• Drilling depth: 10-45x diameter



Designation	Dimension (mm)						
	DC	LU	LF	LS	DCONMS	PL	L/D
<b>TRGD 16.50xM25-25</b>	16.5	427	464	56	25	2.2	25
<b>17.00xM25-25</b>	17.0	452	490	56	25	2.2	25
<b>17.50xM25-25</b>	17.5	452	490	56	25	2.2	25
<b>18.00xM25-25</b>	18.0	478	517	56	25	3.0	25
<b>18.50xM25-25</b>	18.5	478	517	56	25	3.0	25
<b>19.00xM25-25</b>	19.0	503	543	56	25	3.0	25
<b>19.50xM25-25</b>	19.5	503	543	56	25	3.0	25
<b>20.00xM32-25</b>	20.0	528	570	60	32	3.2	25
<b>21.00xM32-25</b>	21.0	553	596	60	32	3.2	25
<b>22.00xM32-25</b>	22.0	578	623	60	32	3.4	25
<b>23.00xM32-25</b>	23.0	603	649	60	32	3.4	25
<b>24.00xM32-25</b>	24.0	628	676	60	32	3.4	25
<b>25.00xM32-25</b>	25.0	654	702	60	32	3.7	25
<b>26.00xM40-25</b>	26.0	679	729	70	40	3.7	25
<b>27.00xM40-25</b>	27.0	704	755	70	40	3.7	25
<b>28.00xM40-25</b>	28.0	704	757	70	40	3.7	25
<b>8.00XM20-35</b> <span style="color:red">new</span>	8.0	295.2	318	50	20	1.2	35
<b>12.00XM20-35</b> <span style="color:red">new</span>	12.0	456.8	485	50	20	1.8	35
<b>14.00XM25-35</b> <span style="color:red">new</span>	14.0	527	561	56	25	2.0	35
<b>15.00XM25-35</b> <span style="color:red">new</span>	15.0	562	598	56	25	2.0	35
<b>8.50XM20-40</b> <span style="color:red">new</span>	8.5	349.2	373	50	20	1.2	40
<b>9.00XM20-40</b> <span style="color:red">new</span>	9.0	377.1	402	50	20	1.1	40
<b>12.00XM20-40</b> <span style="color:red">new</span>	12.0	521.8	550	50	20	1.8	40
<b>14.00XM25-40</b> <span style="color:red">new</span>	14.0	602	636	56	25	2.0	40
<b>15.00XM25-40</b> <span style="color:red">new</span>	15.0	642	678	56	25	2.0	40
<b>8.00XM20-45</b> <span style="color:red">new</span>	8.0	379.2	402	50	20	1.2	45
<b>12.00XM20-45</b> <span style="color:red">new</span>	12.0	586.8	615	50	20	1.8	45

► Guide pad is sold separately from drill body

► Available upon request

## Insert & guide pad

Tool dia. (mm)	Insert			Guide pad		
	Insert	Screw	Wrench	Guide pad	Screw	Wrench
<b>new</b> 7.94-8.49	ZSGT 040104 RS	CSPB-2FL3.1	T 6P	PAD-SGP03-12-035-DC-SB	CSPB-2FL2.7-LH	T 6P
8.50-8.99	ZSGT 040104 RS	CSPB-2FL3.1	T 6P	PAD-SGP03-12-040-DC-SB	CSPB-2FL3.1	
9.00-9.99	ZSGT 050104 RS					
10.00-10.99	ZSGT 060204 RS	SR-M2.5X0.35L3.8	T-7F	PAD-GP04-16-045-DC-SB	CSTB-2	T 6
11.00-11.80	ZSGT 060204 RS	SR-M2.5X0.35L3.8	T-7F	PAD-GP04-16-050-DC-SB	CSTB-2	T 6
11.81-11.99	LOGT 060204 RS	SR 10503833L040	T-7F			
12.00-13.99	LOGT 060204 RS	SR 10503833L040	T-7F	PAD-GP04-16-055-DC-SB PAD-GP04-16-055-DC-SC	TS 20043I/HG-P	T 6P
14.00-15.99	TOGT 070304 RS	SR14-560/S	T-8F	PAD-GP05-18-060-DC-SB PAD-GP05-18-060-DC-SC	SR 34-508	T-7F
16.00-18.00	TOGT 080305 RS	SR14-560/S	T-8F	PAD-GP05-18-075-DC-SB PAD-GP05-18-075-DC-SC	SR 34-508	T-7F
18.01-20.00	TOGT 090305 RS	SR14-560/S	T-8F	PAD-GP06-20-085-DC-SB PAD-GP06-20-085-DC-SC	SR 34-508	T-7F
20.01-21.00	TOGT 100305 RS	SR34-506	T-9F			
21.01-21.99	TOGT 100305 RS	SR34-506	T-9F	PAD-GP06-20-100-DC-SB PAD-GP06-20-100-DC-SC	SR 34-508	T-7F
22.00-25.00	TOGT 110405 RS	SR14-571/S	T 10			
25.01-28.00	TOGT 120405 RS	SR14-506	T-15F	PAD-GP06-20-120-DC-SB PAD-GP06-20-120-DC-SC	SR 34-508	T-7F
28.01-29.99	TOGT 130408 RS	SR 16-212/L10	T-20/5	PAD-GP06-20-120-DC-SB PAD-GP06-20-120-DC-SC	SR 34-508	T-7F
30.00-32.00	TOGT 130408 RS	SR 16-212/L10	T-20/5	PAD-GP07-20-120-DC-SB PAD-GP07-20-120-DC-SC	CSTB-3S	T-9F

- ▶ SB: First choice for general purpose
- ▶ SC: First choice when using water-soluble coolant
- ▶ Inserts and guide pads must be ordered separately

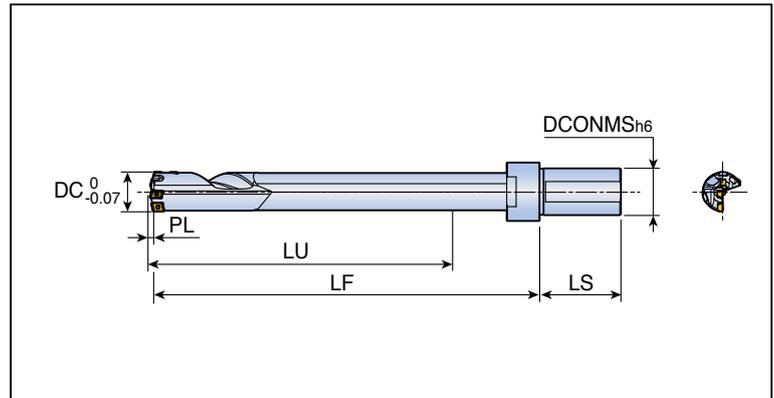
## TRGD3



### Standard gundrill holders



- Drilling depth: 10-15xdiameter



Designation	Dimension (mm)						
	DC	LU	LF	LS	DCONMS	PL	L/D
<b>TRGD3 29.00xFM40-10</b>	29.0	293	360	69	40	2.6	10
<b>30.00xFM40-10</b>	30.0	313	383	69	40	2.9	10
<b>31.00xFM40-10</b>	31.0	313	383	69	40	2.9	10
<b>32.00xFM40-10</b>	32.0	323	395	69	40	3.0	10
<b>33.00xFM40-10</b>	33.0	333	406	69	40	3.1	10
<b>34.00xFM40-10</b>	34.0	343	418	69	40	3.0	10
<b>35.00xFM40-10</b>	35.0	353	428	69	40	3.1	10
<b>36.00xFM40-10</b>	36.0	363	441	69	40	3.1	10
<b>29.00xFM40-15</b>	29.0	438	505	69	40	2.6	15
<b>30.00xFM40-15</b>	30.0	468	538	69	40	2.9	15
<b>31.00xFM40-15</b>	31.0	468	538	69	40	2.9	15
<b>32.00xFM40-15</b>	32.0	483	555	69	40	3.0	15
<b>33.00xFM40-15</b>	33.0	498	571	69	40	3.1	15
<b>34.00xFM40-15</b>	34.0	513	588	69	40	3.0	15
<b>35.00xFM40-15</b>	35.0	528	603	69	40	3.1	15
<b>36.00xFM40-15</b>	36.0	543	621	69	40	3.1	15

▶ Guide pad is sold separately from drill body.

▶ **Supply up to 42.5 mm drill diameter**

▶ Available upon request

### Insert & guide pad

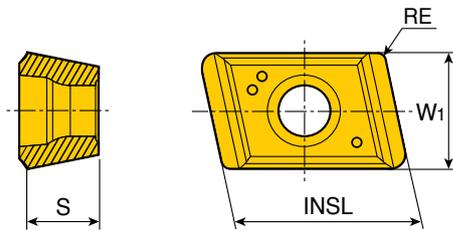
Parts	Diameter (mm)				
	28.01-29.99	30.00-33.00	33.01-35.00	35.01-38.00	
Insert	Peripheral insert	NPHT 0603...-P	NPHT 0804...-P	NPHT 0804...-P	NPHT 0804...-P
	Screw	CSTB-2.2	CSTB-2.5	CSTB-2.5	CSTB-2.5
	Wrench	T-7F	T-8F	T-8F	T-8F
	Inner insert	NPMT 060304R...-I	NPMT 070404R...-I	NPMT 070404R...-I	NPMT 070404R...-I
	Screw	CSTB-2.2	CSTB-2.5	CSTB-2.5	CSTB-2.5
	Wrench	T-7F	T-8F	T-8F	T-8F
	Center insert	NPMT 070408L...-C	NPMT 070408L...-C	NPMT 070408L...-C	NPMT 080408L...-C
	Screw	CSTB-2.5	CSTB-2.5	CSTB-2.5	CSTB-2.5
Pad	Guide pad	PAD-GP06-20-120-DC-SB	PAD-GP06-20-120-DC-SB	PAD-GP07-20-120-DC-SB	PAD-GP07-20-120-DC-SB
		PAD-GP06-20-120-DC-SC	PAD-GP06-20-120-DC-SC	PAD-GP07-20-120-DC-SC	PAD-GP07-20-120-DC-SC
	Screw	SR 34-508	SR 34-508	CSTB-3S	CSTB-3S
	Wrench	T-7F	T-7F	T-9F	T-9F

▶ Inserts and guide pads must be ordered separately

## NPHT...R-G-P/R-HF-P



Inserts for TBTA-FB & TRGD3



Size	Dimension (mm)			
	W1	INSL	S	RE
<b>06</b>	6.0	8	3.0	0.4/0.8
<b>08</b>	7.5	10	4.0	0.4/0.8
<b>09</b>	9.0	10	4.0	0.4/0.8
<b>11</b>	11.0	10	4.0	0.4/0.8
<b>13</b>	13.0	10	4.0	0.4/0.8

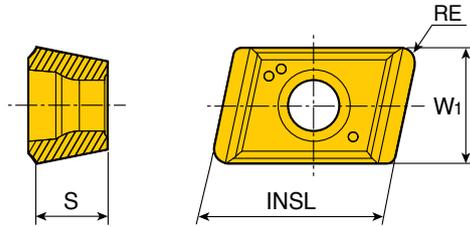
Insert	Designation	Pocket			Coated							Uncoated		
		Center	Inner	Outer	TT9030	TT9130	TT8125	TT7200	TT6130	TT6020	TT5100	TT5030	K10	
	<b>NPHT 060304R-G-P</b>			●	●				●			●		
	<b>060308R-G-P</b>			●	●	●			●			●		
	<b>060308R-HF-P</b>			●	●	●			●			●		
	<b>080404R-G-P</b>			●	●				●			●		
	<b>080408R-G-P</b>			●	●	●			●			●		
	<b>080408R-HF-P</b>			●	●	●			●			●		
	<b>090404R-G-P</b>			●	●				●			●		
	<b>090408R-G-P</b>			●	●	●			●			●		
	<b>090408R-HF-P</b>			●	●	●			●			●		
	<b>110404R-G-P</b>			●	●				●			●		
	<b>110408R-G-P</b>			●	●	●			●			●		
	<b>110408R-HF-P</b>			●	●	●			●			●		
	<b>130404R-G-P</b>			●	●				●			●		
	<b>130408R-G-P</b>			●	●	●			●			●		
<b>130404R-HF-P</b>			●	●	●			●			●			

●: Standard items

## NPMT...L-G-C/L-HF-C



Inserts for TBTA-FB & TRGD



Size	Dimension (mm)			
	W1	INSL	S	RE
<b>06</b>	5.5	8	3.0	0.8
<b>07</b>	6.5	10	4.0	0.8
<b>08</b>	8.0	10	4.0	0.8
<b>10</b>	10.0	10	4.0	0.8
<b>13</b>	12.5	10	4.0	0.8

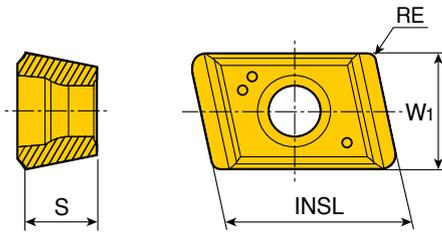
Insert	Designation	Pocket			Coated							Uncoated		
		Center	Inner	Outer	TT9030	TT9130	TT8125	TT7200	TT6130	TT6020	TT5100	TT5030	K10	
	<b>NPMT 060308L-G-C</b>	●			●	●	●		●			●		
	<b>060308L-HF-C</b>	●			●	●	●		●			●		
	<b>070408L-G-C</b>	●			●	●	●		●			●		
	<b>070408L-HF-C</b>	●			●	●	●		●			●		
	<b>080408L-G-C</b>	●			●	●	●		●			●		
	<b>080408L-HF-C</b>	●			●	●	●		●			●		
	<b>100408L-G-C</b>	●			●	●	●		●			●		
	<b>100408L-HF-C</b>	●			●	●	●		●			●		
	<b>130408L-G-C</b>	●			●	●	●		●			●		
	<b>130408L-HF-C</b>	●			●	●	●		●			●		

●: Standard items

## NPMT...R-G-I/R-HF-I



Inserts for TBTA-FB & TRGD



Size	Dimension (mm)			
	W1	INSL	S	RE
<b>06</b>	5.5	8	3.0	0.4
<b>07</b>	6.5	10	4.0	0.4
<b>08</b>	8.0	10	4.0	0.4
<b>10</b>	10.0	10	4.0	0.4
<b>13</b>	12.5	10	4.0	0.4

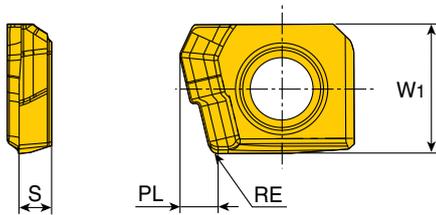
Insert	Designation	Pocket			Coated							Uncoated		
		Center	Inner	Outer	TT9030	TT9130	TT8125	TT7200	TT6130	TT6020	TT5100	TT5030	K10	
	<b>NPMT 060304R-G-I</b>		●		●	●	●		●			●		
	<b>060304R-HF-I</b>		●		●	●	●		●			●		
	<b>070404R-G-I</b>		●		●	●	●		●			●		
	<b>070404R-HF-I</b>		●		●	●	●		●			●		
	<b>080404R-G-I</b>		●		●	●	●		●			●		
	<b>080404R-HF-I</b>		●		●	●	●		●			●		
	<b>100404R-G-I</b>		●		●	●	●		●			●		
	<b>100404R-HF-I</b>		●		●	●	●		●			●		
	<b>130404R-G-I</b>		●		●	●	●		●			●		
	<b>130404R-HF-I</b>		●		●	●	●		●			●		

●: Standard items

## ZSGT



Deep drilling inserts with single chip splitting cutting edge and a wiper for high hole surface quality



Size	Dimension (mm)			
	W1	RE	PL	S
04	4.80	0.4	1.2	1.5
05	5.30	0.4	1.1	1.5
06	6.00	0.4	1.8	1.5

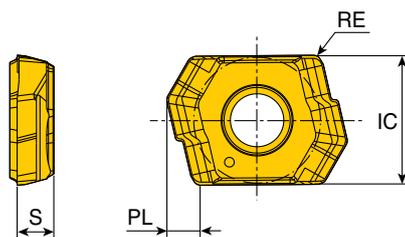
Insert	Designation	Coated							Uncoated		
		TT9030	TT9130	TT8125	TT7200	TT6130	TT6020	TT5100	TT5030	K10	
	ZSGT 040104 RS <b>new</b>		●								
	ZSGT 050104 RS <b>new</b>		●								
	ZSGT 060204 RS		●								

●: Standard items

## LOGT



Deep drilling inserts with 2 chip splitting cutting edges, positive rake chipbreaker and a wiper for high hole surface quality



Size	Dimension (mm)			
	IC	RE	PL	S
06	7.00	0.40	1.80	2.00

Insert	Designation	Coated							Uncoated		
		TT9030	TT9130	TT8125	TT7200	TT6130	TT6020	TT5100	TT5030	K10	
	LOGT 060204 RS	●	●								

●: Standard items

## TOGT...RS/GF



### Inserts for TBTA-TR & TRGD

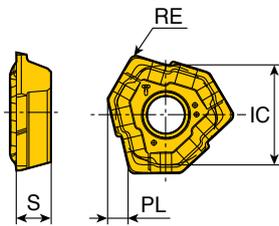


Fig.1

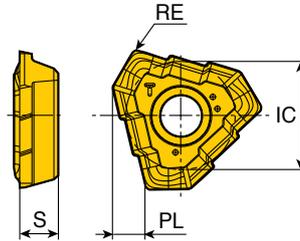


Fig.2

Size	Dimension (mm)			
	IC	PL	S	RE
<b>07</b>	7.69	2.0	2.3	0.4
<b>08</b>	8.32	2.2	2.8	0.5
<b>09</b>	8.55	3.0	3.0	0.5
<b>10</b>	9.23	3.2	3.3	0.5
<b>11</b>	10.40	3.4	3.8	0.5
<b>12</b>	11.59	3.7	4.3	0.5
<b>13</b>	12.85	4.6	4.8	0.8
<b>14</b>	16.85	5.4	5.3	1.0

Insert	Designation	Fig.	Coated						Uncoated		
			TT9030	TT8125	TT7200	TT6130	TT6020	TT5100	TT5030	K10	
	<b>TOGT 070304 RS</b>	1	●								
	<b>070304 GF</b>	1	●								
	<b>080305 RS</b>	1	●								
	<b>080305 GF</b>	1	●								
	<b>090305 RS</b>	2	●								
	<b>090305 GF</b>	2	●								
	<b>100305 RS</b>	2	●								
	<b>100305 GF</b>	2	●								
	<b>110405 RS</b>	2	●								
	<b>110405 GF</b>	2	●								
	<b>120405 RS</b>	2	●								
	<b>120405 GF</b>	2	●								
	<b>130408 RS</b>	2	●								
	<b>130408 GF</b>	2	●								
	<b>140510 RS</b>	2	●								

- ▶ RS: First choice for general purpose
- ▶ GF: Exotic materials

●: Standard items

## Pad for TBTA-TR & TRGD



### Solid carbide guide pads

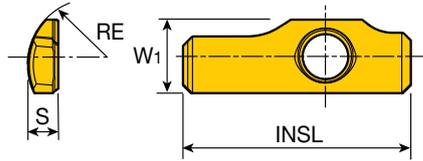


Fig.1

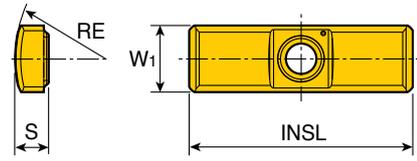


Fig.2

Designation	Fig.	Dimension (mm)				Screw
		W1	S	INSL	RE	
Guide pad <b>PAD - SGP03-12-035-DC-SB</b> <span style="color: red; font-weight: bold;">new</span>	1	3.9	1.6	12	3.5	CSPB-2FL2.7-LH
<b>SGP03-12-040-DC-SB</b> <span style="color: red; font-weight: bold;">new</span>	1	3.9	1.6	12	4	CSPB-2FL3.1
<b>GP04-16-045-DC-SB</b>	2	4	1.8	16	4.5	CSTB-2
<b>GP04-16-050-DC-SB</b>	2	4	1.8	16	5.0	CSTB-2
<b>GP04-16-055-DC-SB</b>	2	4	2.0	16	5.5	TS 20043I/HG-P
<b>GP04-16-055-DC-SC</b>	2	4	2.0	16	5.5	TS 20043I/HG-P
<b>GP05-18-060-DC-SB</b>	2	5	2.5	18	6.0	SR34-508
<b>GP05-18-060-DC-SC</b>	2	5	2.5	18	6.0	SR34-508
<b>GP05-18-075-DC-SB</b>	2	5	2.5	18	7.5	SR34-508
<b>GP05-18-075-DC-SC</b>	2	5	2.5	18	7.5	SR34-508
<b>GP06-20-085-DC-SB</b>	2	6	3.0	20	8.5	SR34-508
<b>GP06-20-085-DC-SC</b>	2	6	3.0	20	8.5	SR34-508
<b>GP06-20-100-DC-SB</b>	2	6	3.0	20	10.0	SR34-508
<b>GP06-20-100-DC-SC</b>	2	6	3.0	20	10.0	SR34-508
<b>GP06-20-120-DC-SB</b>	2	6	3.0	20	12.0	SR34-508
<b>GP06-20-120-DC-SC</b>	2	6	3.0	20	12.0	SR34-508
<b>GP07-20-120-DC-SB</b>	2	7	3.5	20	12	CSTB-3S
<b>GP07-20-120-DC-SC</b>	2	7	3.5	20	12	CSTB-3S
<b>GP08-25-155-DC-SB</b>	2	8	4.5	25	15.5	CSTB-3S
<b>GP08-25-155-DC-SC</b>	2	8	4.5	25	15.5	CSTB-3S

- ▶ SB: First choice for general purpose
- ▶ SC: First choice when using water-soluble coolant

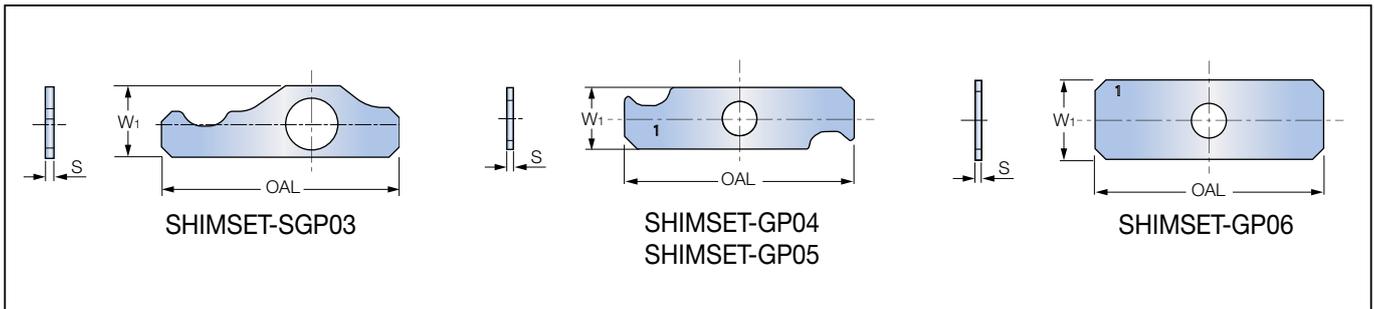
### Shim thickness:

There are numbers marked on each shim: 1-5.

The number on the shim indicates the shim's thickness.

1=0.01 mm, 2=0.02 mm, 3=0.03 mm

4=0.04 mm, 5=0.05 mm



Item #	Designation	Width W <sub>1</sub> (mm)	Length OAL (mm)	Thickness S (mm)	Applicable guide pad size
6285255	<b>SHIMSET-SGP03</b> <span style="color: red; font-weight: bold;">new</span>	3.45	11.4	0.01-0.05	PAD-SGP03
6221768	<b>SHIMSET-GP04</b>	4	16	0.01-0.05	PAD-GP04
6339582	<b>SHIMSET-GP05</b>	5	18	0.01-0.05	PAD-GP05
6221769	<b>SHIMSET-GP06</b>	6	20	0.01-0.05	PAD-GP06

- ▶ The shim set consists of five shims in different thickness: 0.01, 0.02, 0.03, 0.04, 0.05 mm
- ▶ Shims are sold by set only, and are not to be sold separately