

NEW PRODUCT NEWS



Taegutec Hole Making Line

TDEEP

ITEM DESIGNATION CHANGES AND
NEW DEEP HOLE INSERT GRADES



KEY POINT

T-DEEP line introduces new PVD and CVD grades.

TaeguTec's popular T-DEEP line for the deep hole drilling market has introduced new PVD and CVD grades along with inserts with smaller corner radii and insert positioning.

The TT9130 and TT5030 PVD coated grades, along with the recently upgraded TT8125 grade, provide optimum tool life and excellent drilling performance on a wide range of materials.

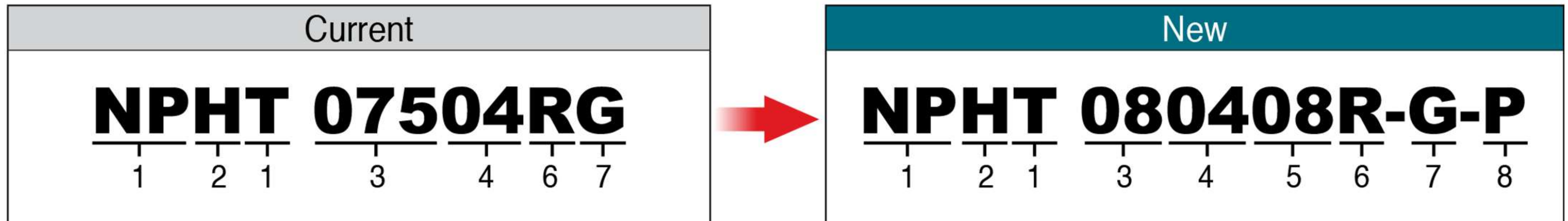
In addition, inserts with small corner radii have been added to improve machining stability and tool life. Also, existing inserts have been given new designations to indicate the corner radius size as well as the insert position.

For further information, please contact the product manager.

Taegutec Hole Making Line

New insert designations

- Selected insert size changes: 3 digits to 2 digits
- Corner radius size and insert positions added

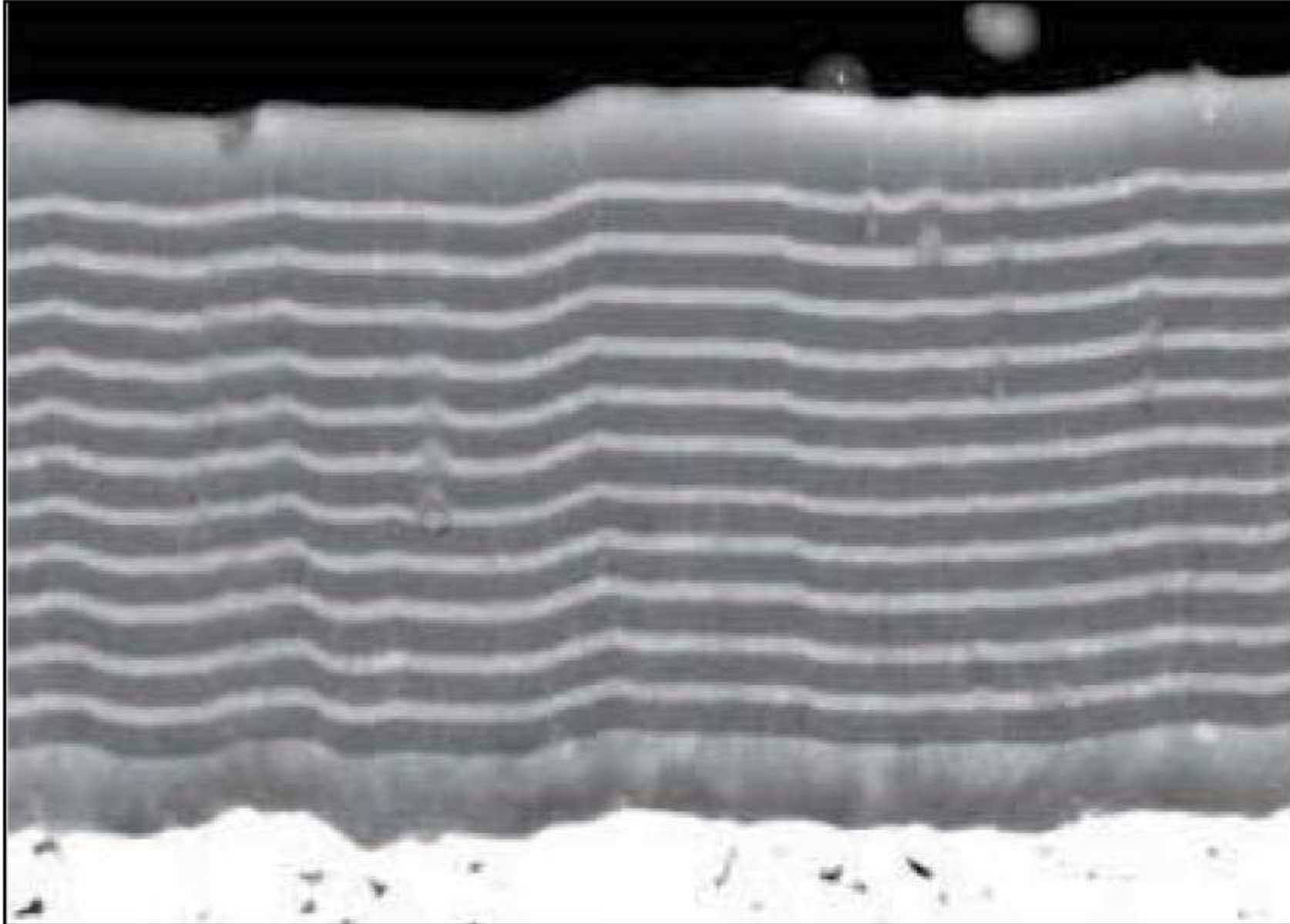


- | | |
|---------------------------|--|
| 1: Deep hole drill insert | 2: Precision (M: Press, H: Ground) |
| 3: Insert size | 4: Thickness |
| 5: Corner radius | 6: Hand type (R: Right handed, L: Left handed) |
| 7: Chip breaker | 8: Insert position (C: Central, I: Intermediate, P: Peripheral, None: All) |

Current	New	Current	New
NPHT 06003RG	NPHT 060308R-G-P	NPMX 0803RB	NPMX 080308R-B
NPHT 07504RG	NPHT 080408R-G-P	NPMX 0803RG	NPMX 080308R-G
NPHT 09004RG	NPHT 090408R-G-P	TPMX 1403RB	TPMX 140304R-B
NPHT 11004RG	NPHT 110408R-G-P	TPMX 1403RG	TPMX 140308R-G
NPHT 13004RG	NPHT 130408R-G-P	TPMX 1704RB	TPMX 170404R-B
NPMT 05503LG	NPMT 060308L-G-C	TPMX 1704RG	TPMX 170408R-G
NPMT 06504LG	NPMT 070408L-G-C	TPMX 2405RB	TPMX 240504R-B
NPMT 08004LG	NPMT 080408L-G-C	TPMX 2405RG	TPMX 240512R-G
NPMT 09504LG	NPMT 100408L-G-C	TPMX 2807RB	TPMX 280708R-B
NPMT 12504LG	NPMT 130408L-G-C	TPMX 2807RG	TPMX 280716R-G
NPMT 05503RG	NPMT 060304R-G-I	TPMX 1403LG	TPMX 140308L-G
NPMT 06504RG	NPMT 070404R-G-I	TPMX 1704LG	TPMX 170408L-G
NPMT 08004RG	NPMT 080404R-G-I	TPMX 2405LG	TPMX 240512L-G
NPMT 09504RG	NPMT 100404R-G-I		
NPMT 12504RG	NPMT 130404R-G-I		

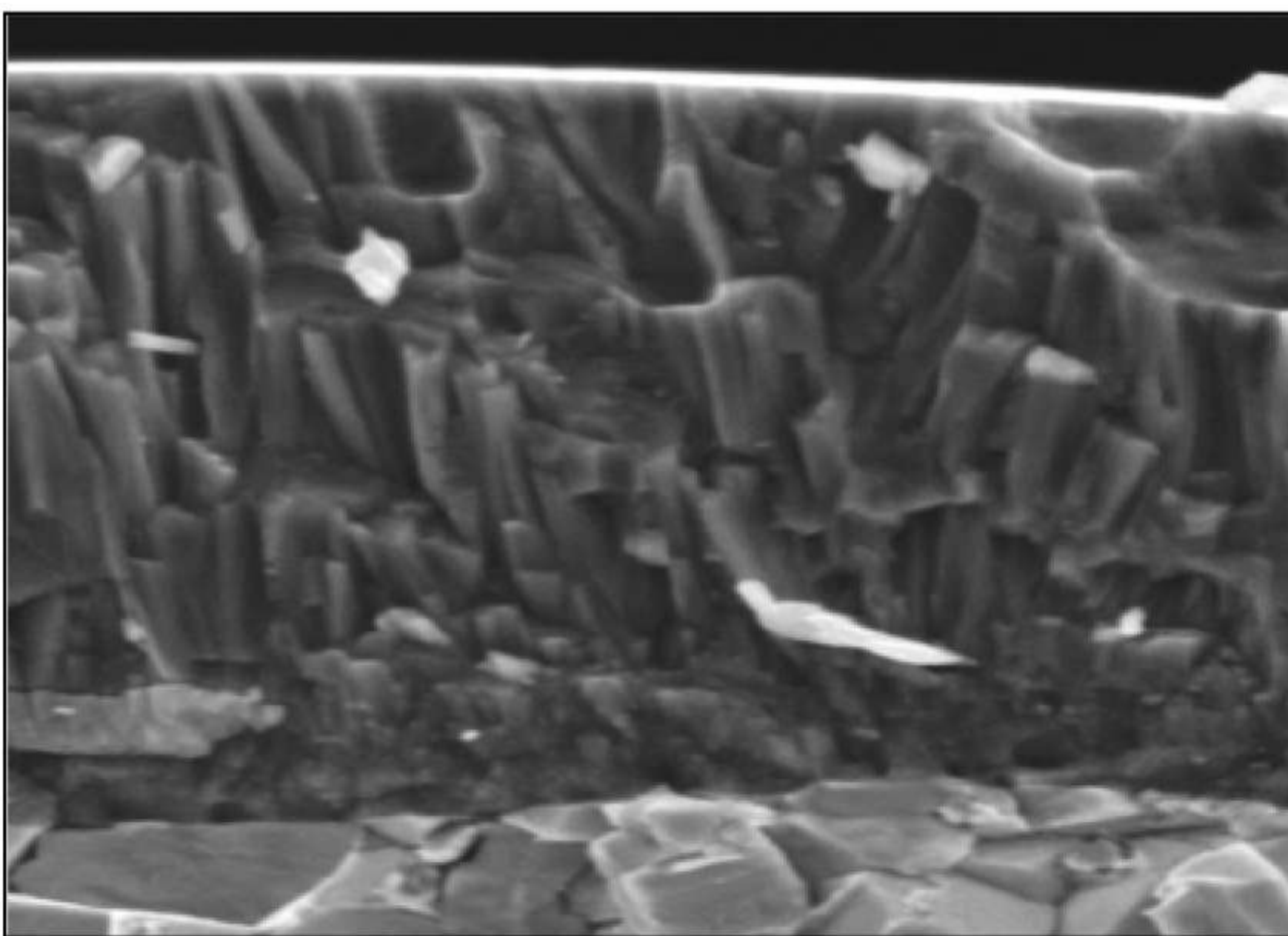
Taegutec Hole Making Line

TT9130 grade features **new**



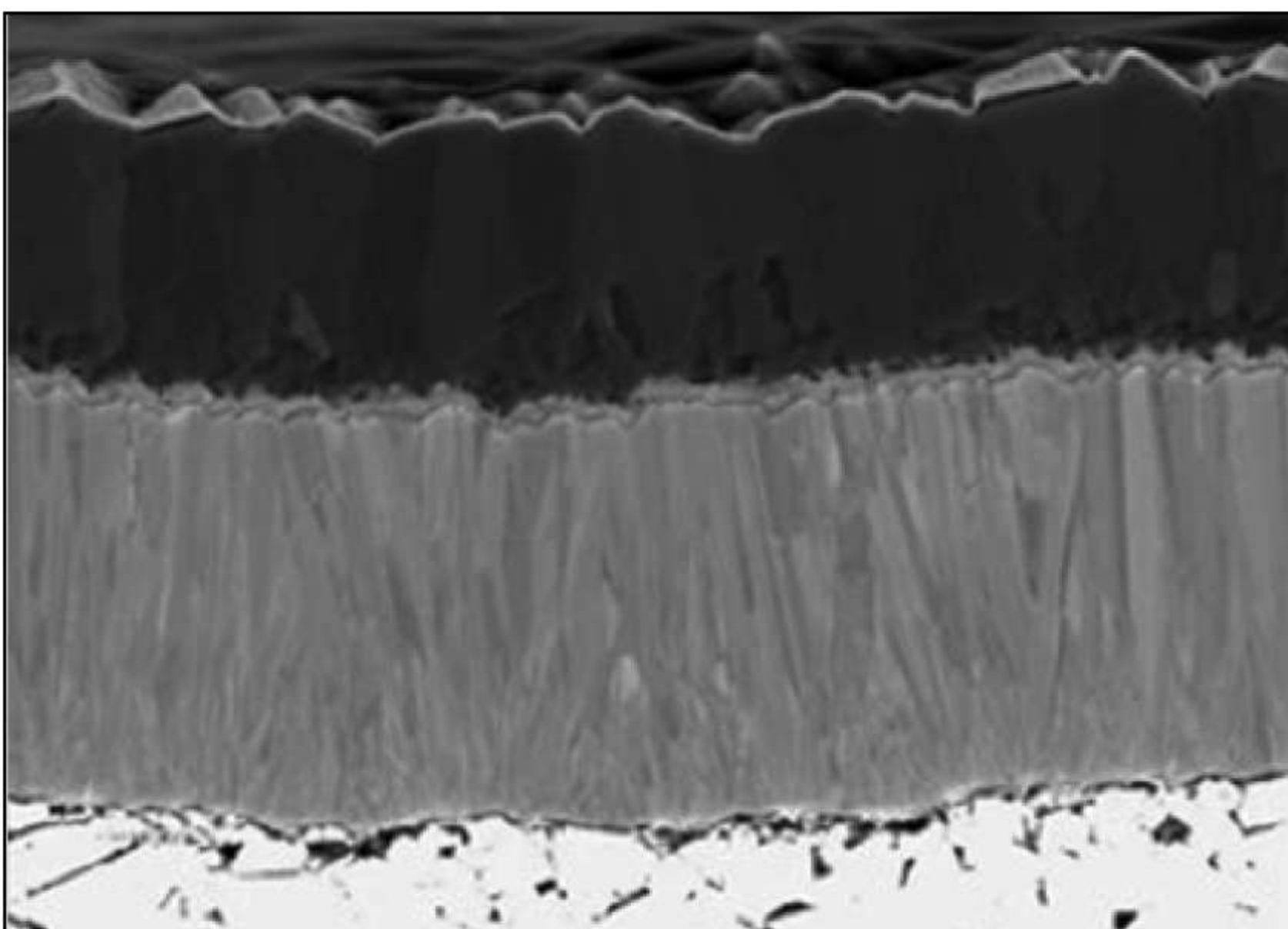
- New PVD coating
- Excellent tool life in ISO P, M materials machining
- The coating surface prevents built-up edges
- Multilayered coating resists wear, oxidation and chipping
- Stronger coating adhesion
- Optimally balanced substrate for wear and fracture resistance

TT5030 grade features **new**



- New PVD coating
- For ISO M, S, H materials machining
- High Al content and post surface treatment technology minimize built-up edges
- 20% harder coating for excellent wear resistance
- Nano-multilayered coating for great fracture resistance

Improved TT8125 grade features

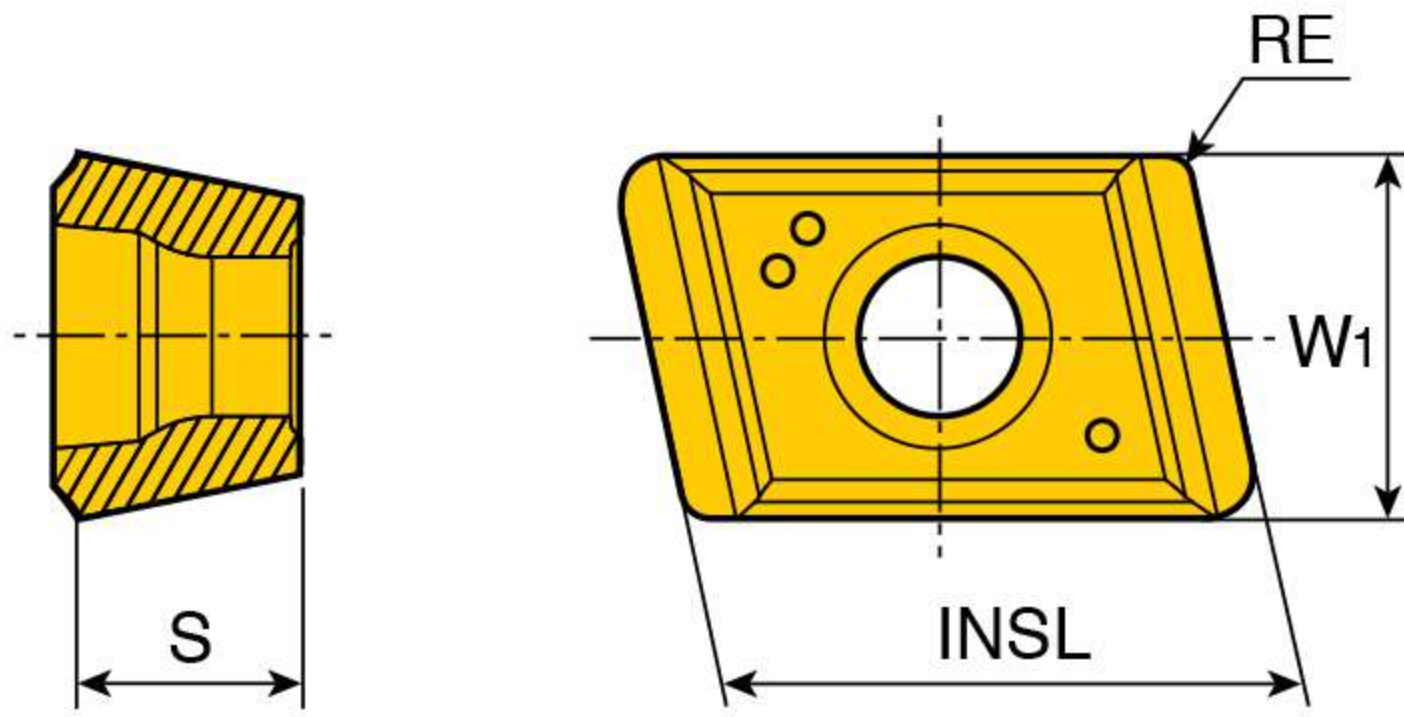


- Improved CVD coating with enhanced surface property
- Maximized tool life in ISO P material machining
- Hard coating layer with high flank wear resistance
- Excellent heat and wear resistance for high-speed machining
- Fracture resistant substrate for improved CVD coating
- 1.7 times thicker compared to the conventional coating layer

NPHT...R-G-P



Inserts for TBTA-FB & TRGD



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

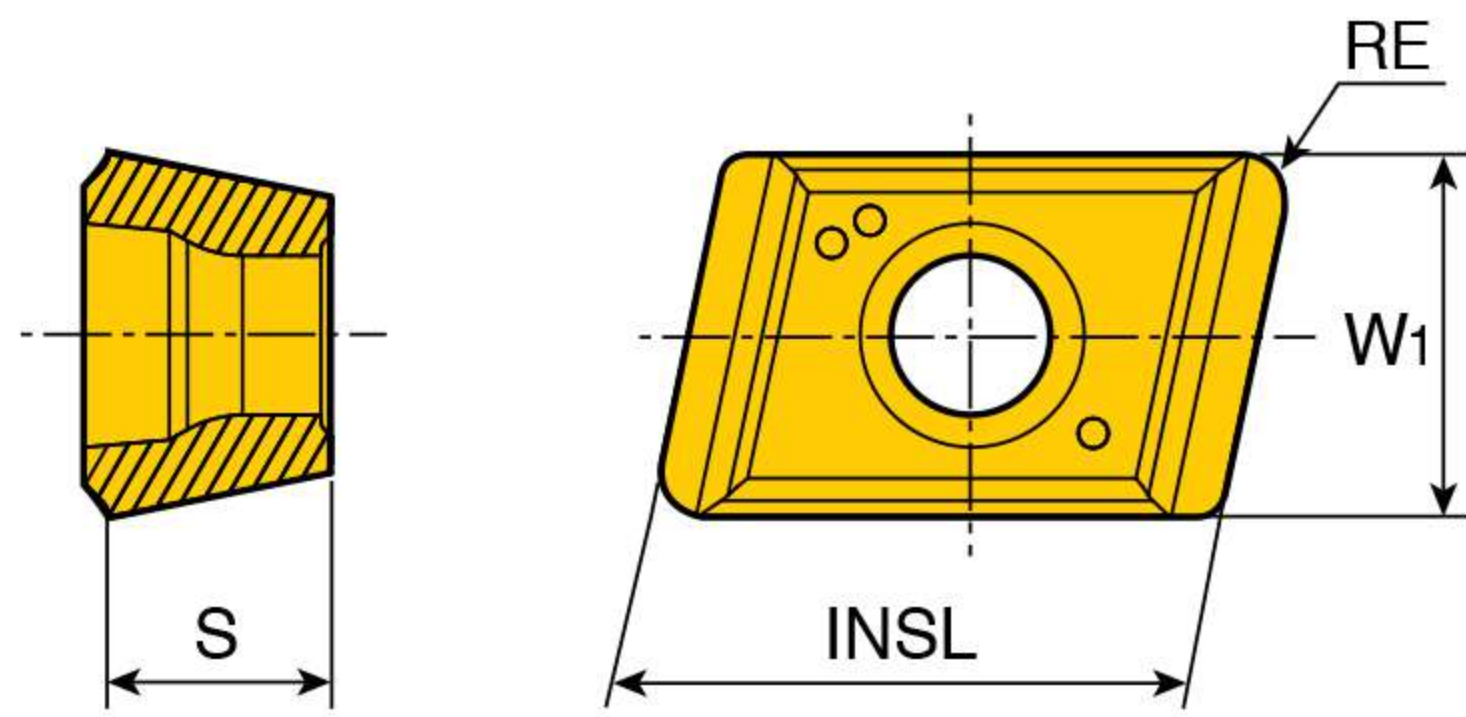
Insert	Designation	Pocket			Coated			
		Center	Inner	Outer	TT9030	new TT9130	TT6130	new TT5030
	NPHT 060304R-G-P new			●	●		●	●
	060308R-G-P			●	●	●	●	●
	080404R-G-P new			●	●		●	●
	080408R-G-P			●	●	●	●	●
	090404R-G-P new			●	●		●	●
	090408R-G-P			●	●	●	●	●
	110404R-G-P new			●	●		●	●
	110408R-G-P			●	●	●	●	●
	130404R-G-P new			●	●		●	●
	130408R-G-P			●	●	●	●	●

●: Standard items



NPMT...L-G-C

Inserts for TBTA-FB & TRGD



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

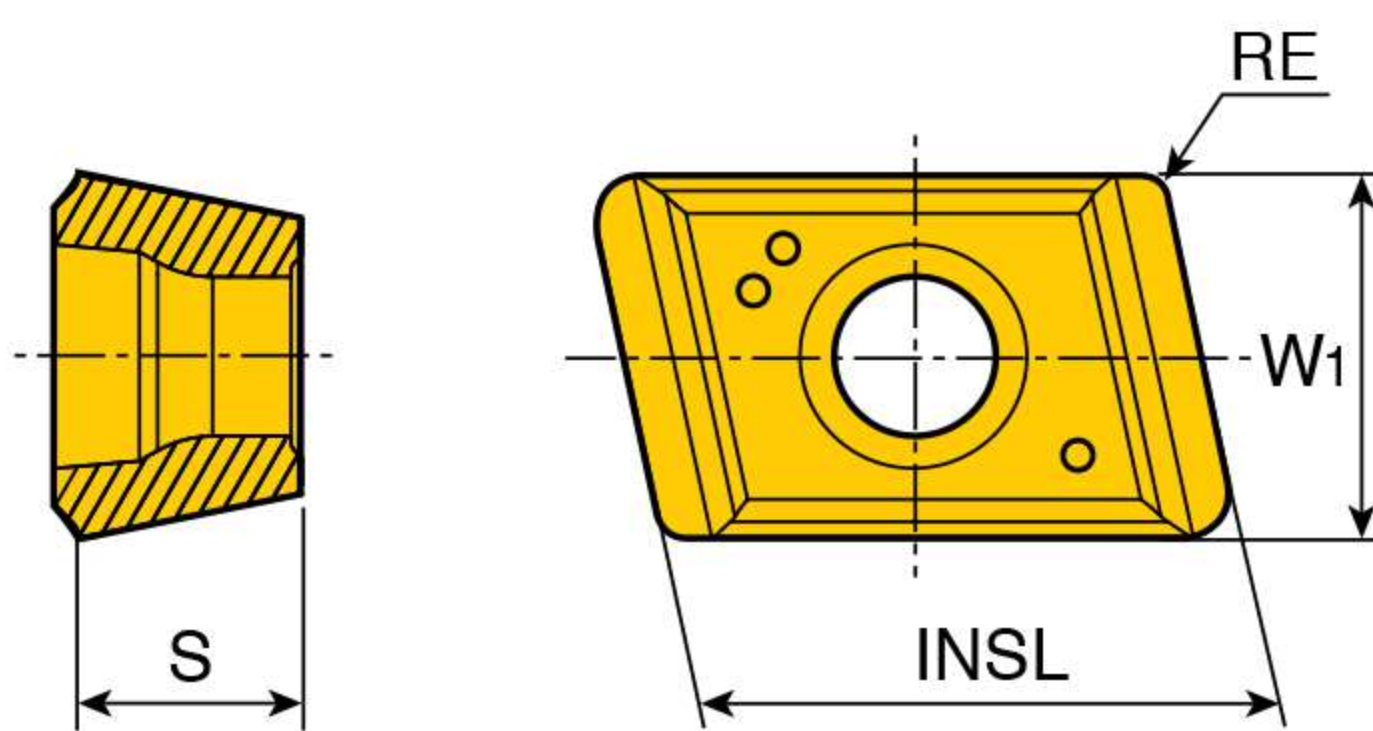
Insert	Designation	Pocket			Coated				
		Center	Inner	Outer	TT9030	new TT9130	TT8125	TT6130	new TT5030
	NPMT 060308L-G-C	●			●	●	●	●	●
	070408L-G-C	●			●	●	●	●	●
	080408L-G-C	●			●	●	●	●	●
	100408L-G-C	●			●	●	●	●	●
	130408L-G-C	●			●	●	●	●	●

●: Standard items

NPMT...R-G-I



Inserts for TBTA-FB & TRGD



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

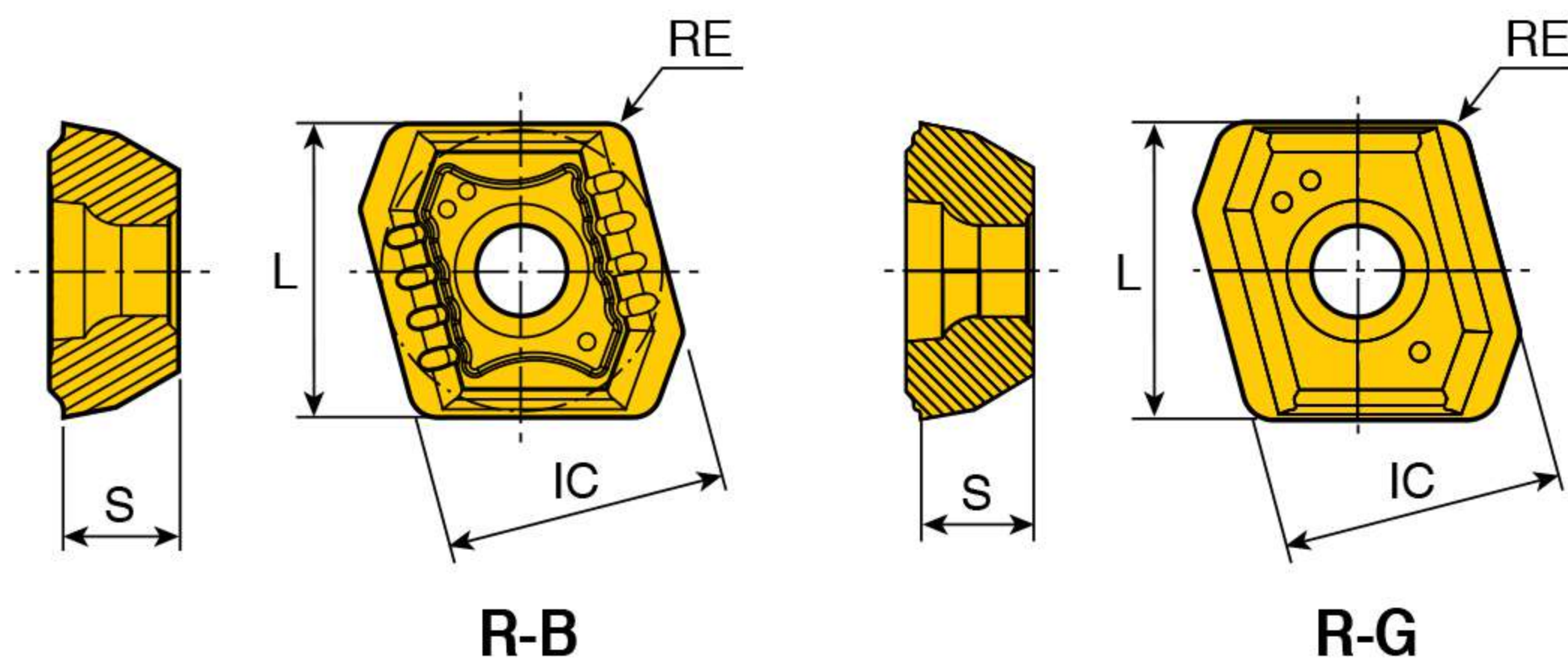
Insert	Designation	Pocket			Coated				
		Center	Inner	Outer	TT9030	new TT9130	TT8125	TT6130	new TT5030
	NPMT 060304R-G-I		●		●	●	●	●	●
	070404R-G-I		●		●	●	●	●	●
	080404R-G-I		●		●	●	●	●	●
	100404R-G-I		●		●	●	●	●	●
	130404R-G-I		●		●	●	●	●	●

●: Standard items

NPMX...R-B/R-G



Inserts for TBTA...3/5/7/9



Size	Dimension (mm)			
	IC	L	S	RE
08	8.0	8.36	3.18	0.8

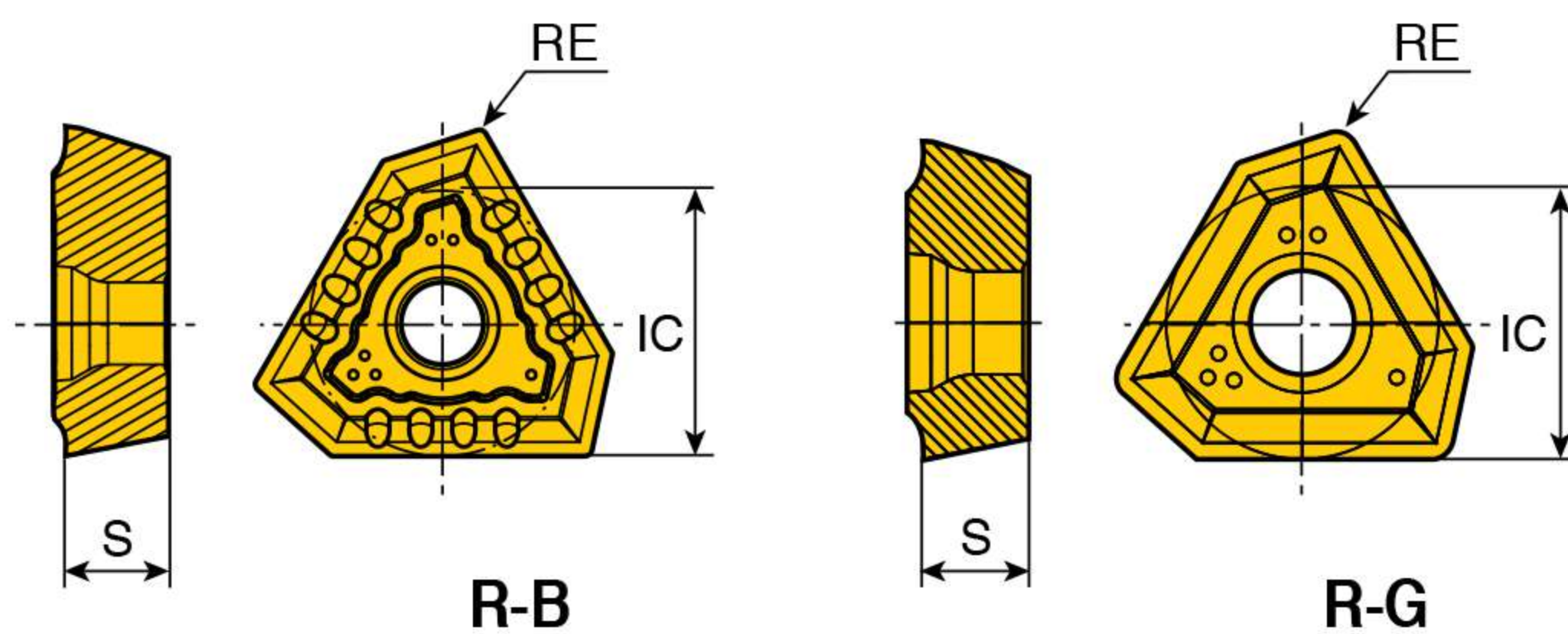
Insert	Designation	Pocket			Coated				
		Center	Inner	Outer	TT9030	TT8125	TT6130	TT6020	TT5100
	NPMX 080308R-B	●	●	●	●	●	●		
	080308R-G	●	●	●	●	●		●	●

●: Standard items

TPMX...R-B/R-G



Inserts for TBTA...3/5/7/9 & TBTA-R



Size	Dimension (mm)		
	IC	S	RE
140304 R-B	8.45	3.5	0.4
140308 R-B/R-G	8.45	3.5	0.8
170404 R-B	10.30	4.0	0.4
170408 R-B/R-G	10.30	4.0	0.8
240504 R-B	14.20	5.5	0.4
240512 R-B/R-G	14.20	5.5	1.2
280708 R-B	17.00	7.5	0.8
280716 R-B/R-G	17.00	7.5	1.6

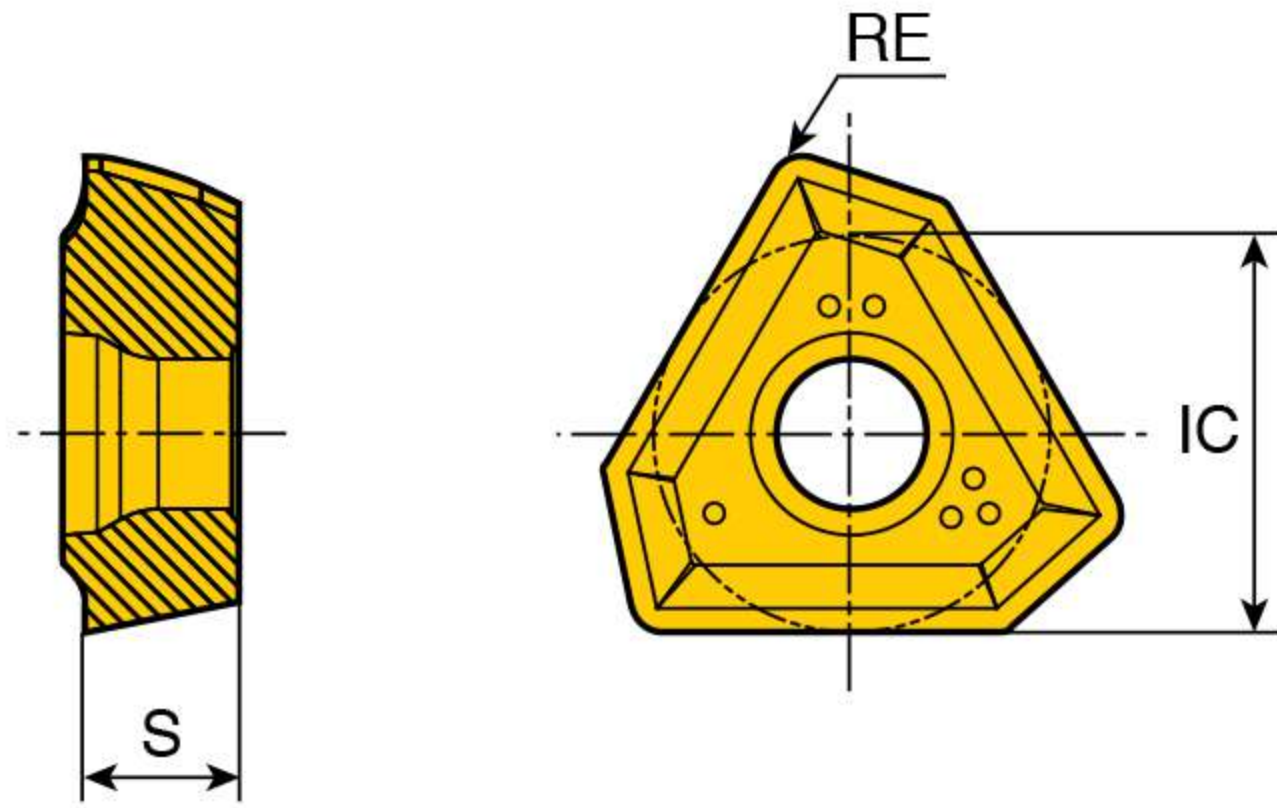
Insert	Designation	Pocket			Coated							
		Center	Inner	Outer	TT9030	new TT9130	TT8125	TT7200	TT6130	TT6020	TT5100	new TT5030
	TPMX 140304R-B	●	●	●	●		●		●			
	140308R-B (new)	●	●	●		●						●
	140308R-G	●	●	●	●	●		●		●	●	●
	170404R-B	●	●	●	●		●		●			
	170408R-B (new)	●	●	●		●						●
	170408R-G	●	●	●	●	●		●		●	●	●
	240504R-B	●	●	●	●		●		●			
	240512R-B (new)	●	●	●		●						●
	240512R-G	●	●	●	●	●		●		●	●	●
	280708R-B	●	●	●	●		●		●			
280716R-B (new)	●	●	●		●						●	
280716R-G	●	●	●	●	●	●	●		●	●	●	

●: Standard items

TPMX...L-G



Inserts for TBTA-R



Size	Dimension (mm)		
	IC	S	RE
14	8.45	3.5	0.8
17	10.30	4.0	0.8
24	14.20	5.5	1.2

Insert	Designation	Pocket			Coated			
		Center	Inner	Outer	TT9030	new TT9130	TT6020	new TT5030
	TPMX 140308 L-G			●	●			●
	170408 L-G			●	●	●	●	●
	240512 L-G			●	●	●	●	●

●: Standard items

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