

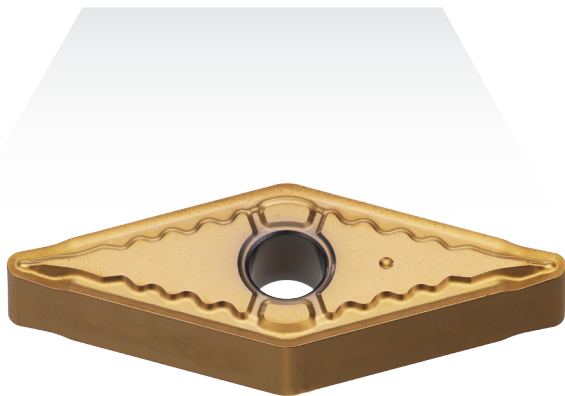
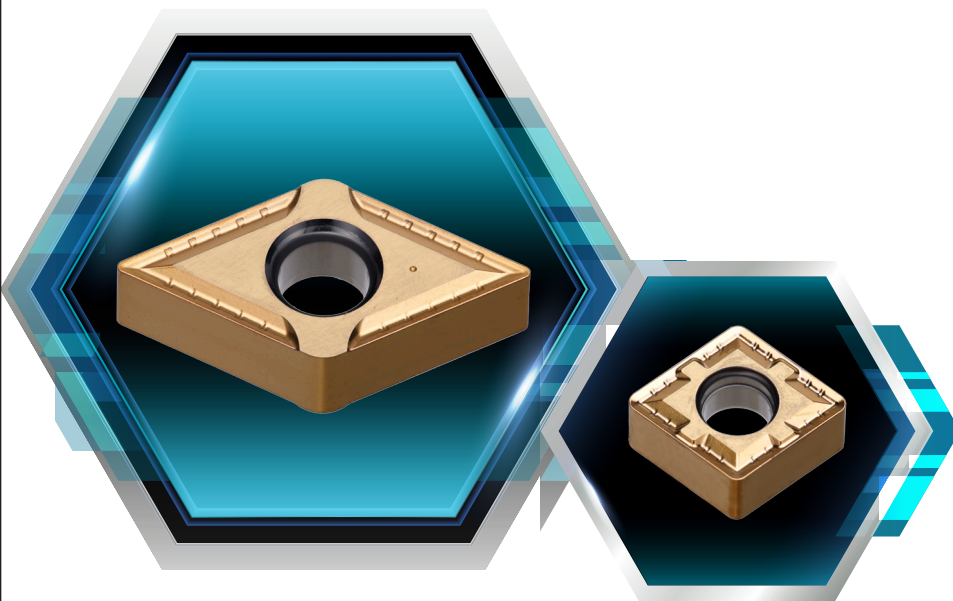
NPN

New Product News

expansion

T-TURN

**TT3010 and TT3020 Grades Expanded
to New Items**



KEY POINT

TaeguTec has added new items to the PVD coated TT3010 and TT3020 grades for heat resistant super alloys machining.

The following items are now using the TT3010 and TT3020 grades for negative insert.

EA chip breaker (Finishing) – CNMG 12, DNMG 15, VNMG 16

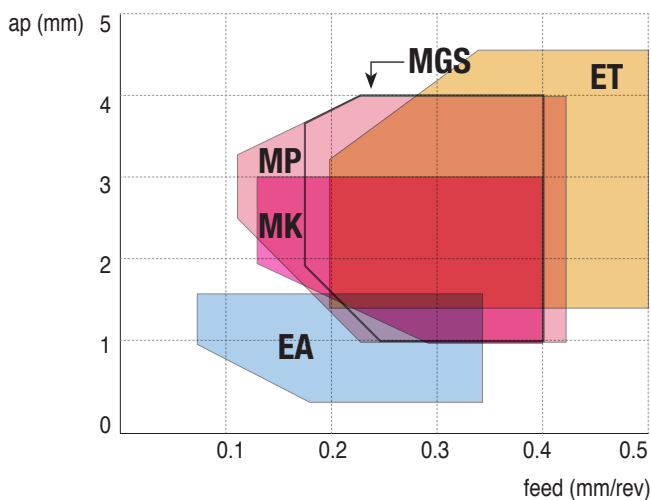
ET chip breaker (Roughing) – CNMG 12, DNMG 15, SNMG 12

MP chip breaker (Medium) – TNMG 16

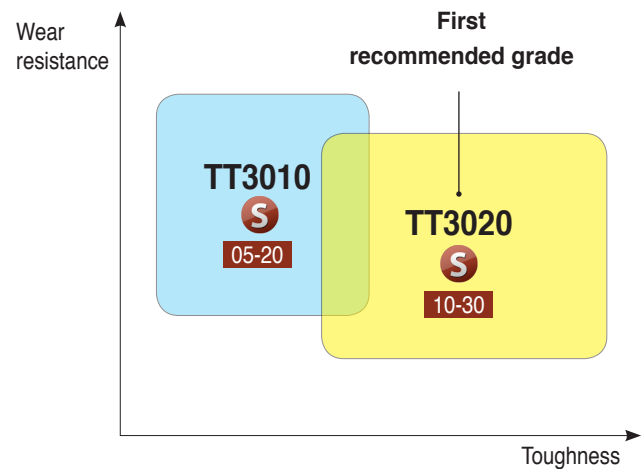
RHINOTURN MK chip breaker (Medium) – CNMG 09, DNMG 13

For detailed information on both the TT3010 and TT3020 grades, please refer to NPA 2018-05.

Chip breaker range



Grade range

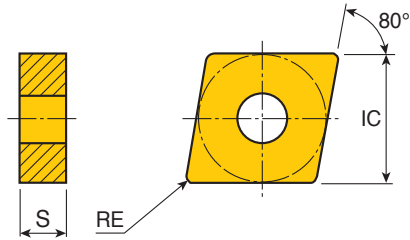


TT3010: High wear resistance

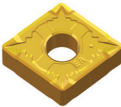
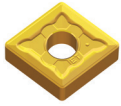

TT3020: Having both wear resistance and toughness

CNMG

Negative 80° rhombic inserts



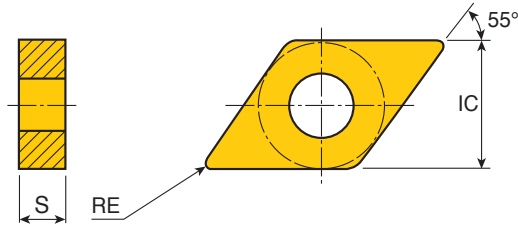
Size	Dimension (mm)			
	IC	S	RE	
09	9.52	4.76	0.8	
12	12.7	4.76	0.4-1.2	

Insert	Designation	ap (mm)	Feed (mm/rev)	PVD coated		
				TT3010	TT3020	
 Finishing	CNMG 120404 EA	0.5-1.5	0.07-0.40	●	●	
	120408 EA	0.5-1.5	0.10-0.40	●	●	
 Roughing	CNMG 120408 ET	1.5-4.0	0.20-0.45	●	●	
	120412 ET	1.5-4.0	0.22-0.50	●	●	
 Medium	CNMG 090408 MK	1.0-3.0	0.15-0.40	●	●	

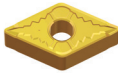

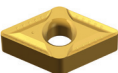
●: Standard items

DNMG

Negative 55° rhombic inserts



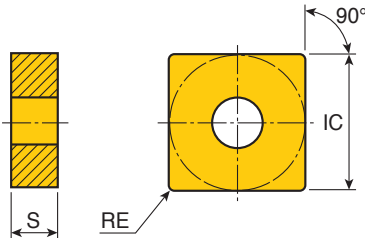
Size	Dimension (mm)			
	IC	S	RE	
13	11.11	5.56	0.8	
15	12.7	6.35	0.4-1.2	

Insert	Designation	ap (mm)	Feed (mm/rev)	PVD coated	
				TT3010	TT3020
 Finishing	DNMG 150604 EA	0.3-1.5	0.07-0.40	●	●
	150608 EA	0.3-1.5	0.10-0.40	●	●
 Roughing	DNMG 150608 ET	1.5-4.0	0.20-0.45	●	●
	150612 ET	1.5-4.0	0.25-0.50	●	●
 Medium	DNMG 130508 MK	1.0-3.0	0.15-0.40	●	●


●: Standard items

SNMG

Negative square inserts



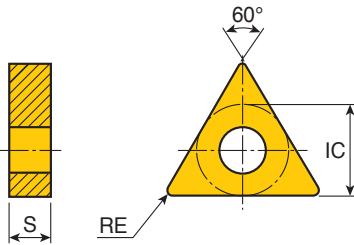
Size	Dimension (mm)			
	IC	S	RE	
12	12.7	4.76	0.8-1.2	

Insert	Designation	ap (mm)	Feed (mm/rev)	PVD coated	
				TT3010	TT3020
 Roughing	SNMG 120408 ET	2.0-4.0	0.25-0.50	●	●
	SNMG 120412 ET	2.0-4.0	0.30-0.55	●	●

●: Standard items

TNMG

Negative triangular inserts



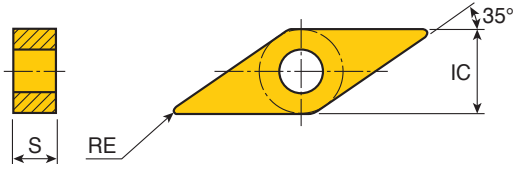
Size	Dimension (mm)			
	IC	S	RE	
16	9.52	4.76	0.4-1.2	

Insert	Designation	ap (mm)	Feed (mm/rev)	PVD coated	
				TT3010	TT3020
 Medium	TNMG 160404 MP	1.0-4.0	0.15-0.40	●	●
	160408 MP	1.2-4.0	0.17-0.40	●	●
	160412 MP	1.5-4.0	0.20-0.40	●	●


●: Standard items

VNMG

Negative 35° rhombic inserts



Size	Dimension (mm)			
	IC	S	RE	
16	9.52	4.76	0.4-0.8	

Insert	Designation	ap (mm)	Feed (mm/rev)	PVD coated	
				TT3010	TT3020
 Finishing	VNMG 160404 EA	0.2-1.5	0.07-0.20	●	●
	VNMG 160408 EA	0.3-1.5	0.10-0.25	●	●

●: Standard items