

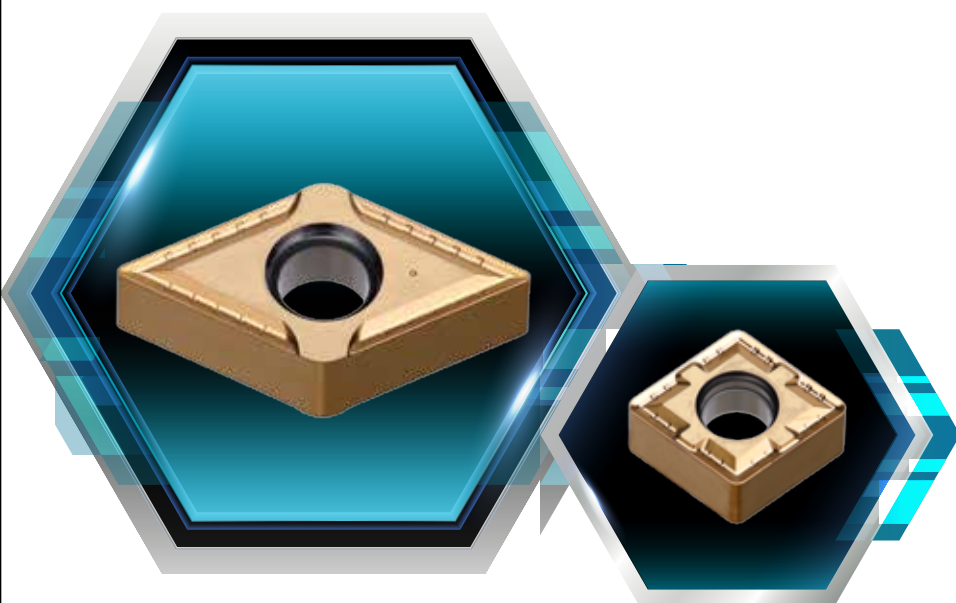
# NPN

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

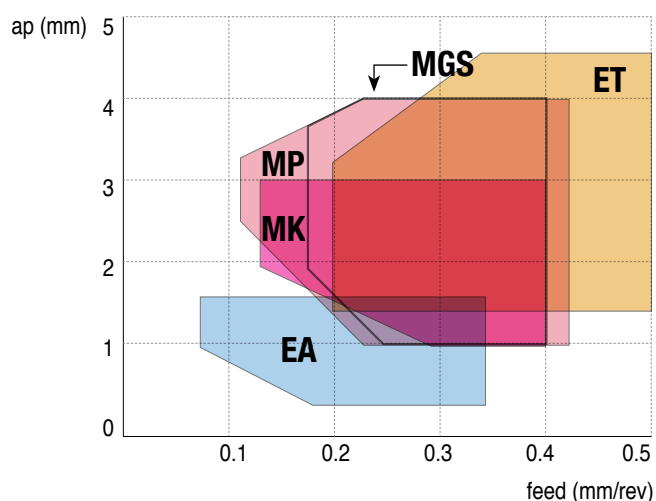
ET chip breaker (Roughing) – CNMG 12, DNMG 15, SNMG 12

MP chip breaker (Medium) – TNMG 16

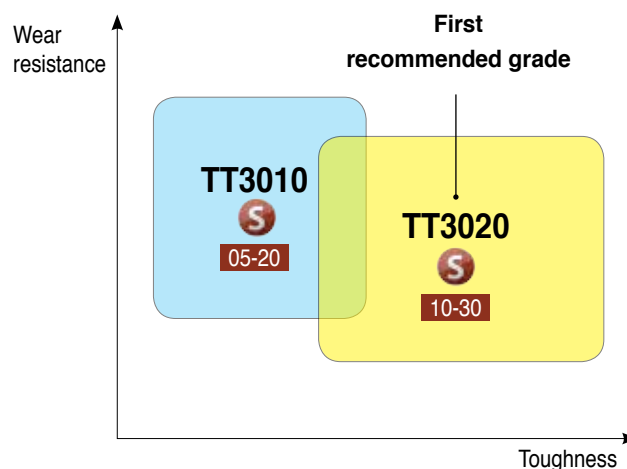
**RHINOTURN** MK chip breaker (Medium) – CNMG 09, DNMG 13

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

### Chip breaker range



### Grade range



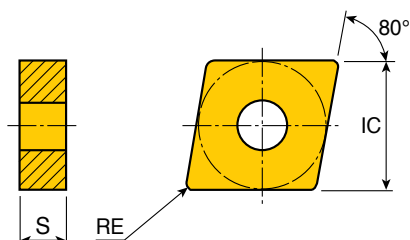
TT3010: High wear resistance

TT3020: Having both wear resistance and toughness




## CNMG



### Negative 80° rhombic inserts



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

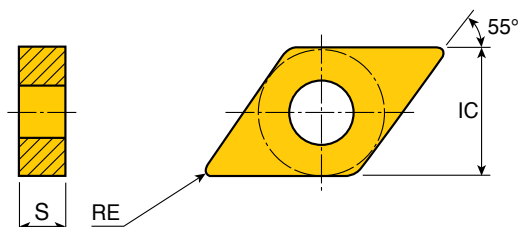
Insert	Designation	ap (mm)	Feed (mm/rev)	PVD coated	
				TT3010	TT3020
 Finishing	<b>CNMG 120404 EA</b>	0.5-1.5	0.07-0.40	●	●
	<b>120408 EA</b>	0.5-1.5	0.10-0.40	●	●
 Roughing	<b>CNMG 120408 ET</b>	1.5-4.0	0.20-0.45	●	●
	<b>120412 ET</b>	1.5-4.0	0.22-0.50	●	●
 Medium	<b>CNMG 090408 MK</b>	1.0-3.0	0.15-0.40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

●: Standard items




## DNMG



### Negative 55° rhombic inserts



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

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

●: Standard items

## T-TURN

Size	Dimension (mm)			
	IC	S	RE	
<b>12</b>	12.7	4.76	0.8-1.2	

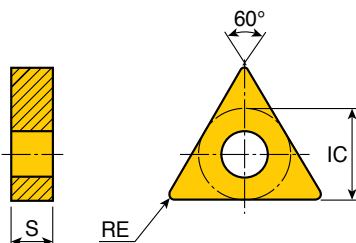
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●: Standard items


## TNMG



### Negative triangular inserts



Size	Dimension (mm)			
	IC	S	RE	
<b>16</b>	9.52	4.76	0.4-1.2	

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

●: Standard items

## T-TURN

Size	Dimension (mm)			
	IC	S	RE	
<b>16</b>	9.52	4.76	0.4-0.8	

[illegible]

●: Standard items