

NEW PRODUCT NEWS

RHINO-RUSH



Ground ML Chip Breaker Insert



RHINO•RUSH

Ground ML Chip Breaker Insert

TaeguTec has released a new ground type ML chip breaker insert for the RHINORUSH line.

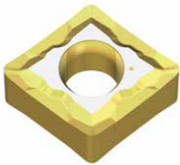
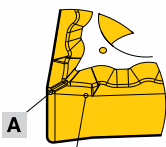
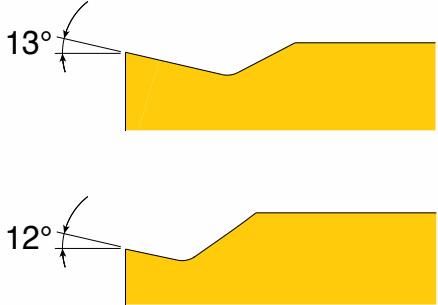
The new ground ML chip breaker generates less cutting force because of its very sharp cutting edge. Also, it extends tool life and results in improved surface quality due to the minimal built-up-edge during machining.

By combining the chip breaker's sharp geometry and polished uncoated grade, this new addition makes the RHINORUSH line the perfect choice for aluminum and super alloy machining.

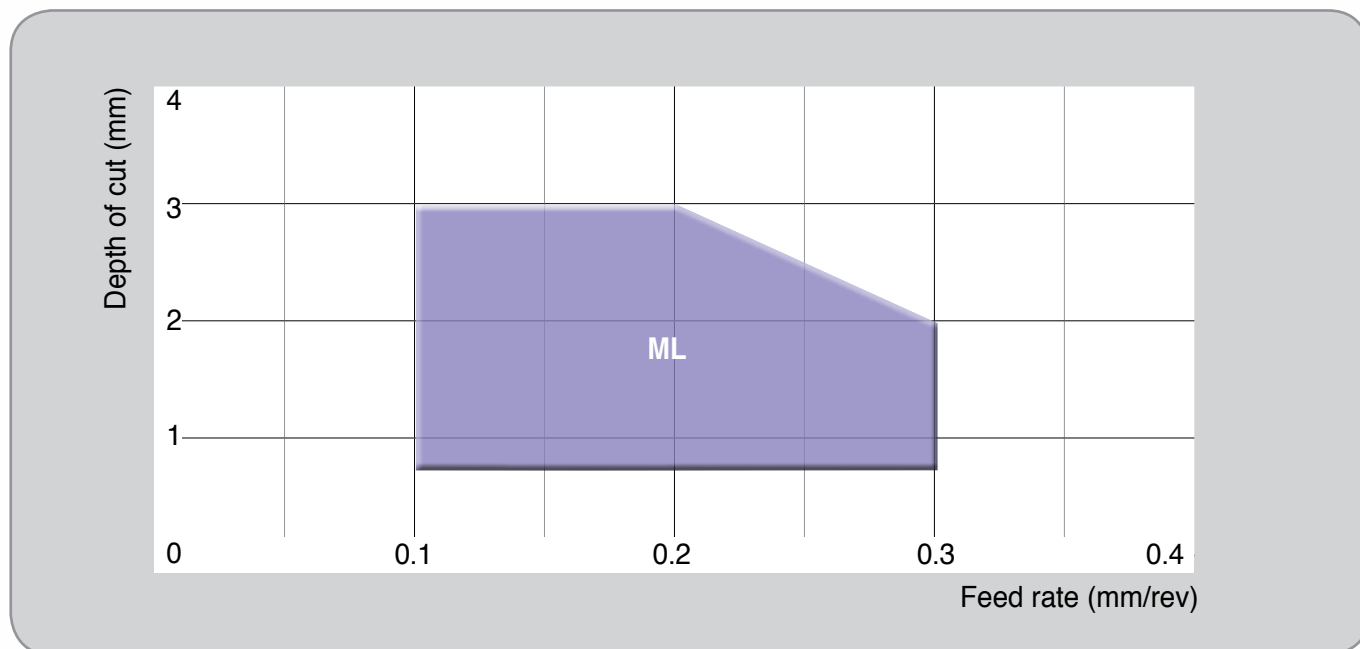
FEATURES

- **Double-sided negative ground insert**
- **Sharp cutting edge generates low cutting force**
- **Sharp cutting edge minimizes built-up-edges during machining**
- **Improved surface quality and extended tool life in aluminum & super alloy machining**

Edge geometry of ML chip breaker

Chip breaker		Edge geometry	
CNGG	 <p>ML</p>	 <p>A B</p>	 <p>13° A 12° B</p>

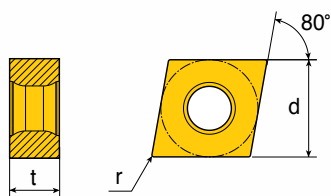
Chip breaker range



- Insert: CNGG 090404(331) ML
- Cutting speed (V): 200m/min
- Material: 0.45% Carbon Steel (HB200~230)

CNGG

Negative 80° rhombic inserts



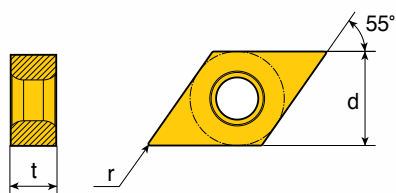
Size	Dimension (mm)		
	d	t	r
09	9.52	4.76	0.1-0.8

Insert	Designation	Recommended machining conditions		PVD coated	Uncoated
		feed (mm/rev)	ap (mm)	TT5080	K10
	CNGG 090401 ML	0.03-0.10	0.1-1.0	•	•
	090402 ML	0.05-0.15	0.2-1.2	•	•
	090404 ML	0.10-0.30	0.8-3.0	•	•
	090408 ML	0.12-0.35	1.0-3.0	•	•

•: Standard item

DNGG

Negative 55° rhombic inserts



Size	Dimension (mm)		
	d	t	r
13	11.11	5.56	0.1-0.8

Insert	Designation	Recommended machining conditions		PVD coated	Uncoated
		feed (mm/rev)	ap (mm)	TT5080	K10
	DNGG 130501 ML	0.03-0.10	0.1-1.0	•	•
	130502 ML	0.05-0.15	0.2-1.2	•	•
	130504 ML	0.10-0.30	0.8-3.5	•	•
	130508 ML	0.12-0.35	1.0-3.5	•	•

•: Standard item