

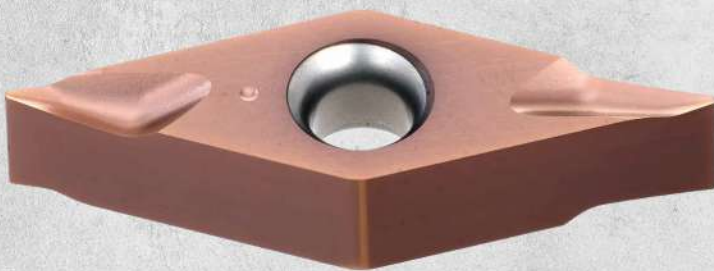
NEW PRODUCT NEWS

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MEGA TECH
METALWORK

Taegutec Turning Line

RHINO TURN

VNGX-ST Chip Breaker for Deep Depth of Cut Machining



KEY POINT

TaeguTec's RHINO-TURN line now includes the VNGX-ST insert for deep depth of cut machining.

TaeguTec's recently launched ST chip breaker is now in the spotlight for its high productivity and tool life in deep depth of cut machining. Responding to increased demand, TaeguTec is adding the ST chip breaker to the RHINO-TURN's double-sided, 4-corner VNGX insert type.

Compatible with RHINO turning holders, the 4-corner line boasts stable cutting performance and excellent tool life due to its high rake angle design, which generates low cutting loads during machining. Additionally, despite being a V-type insert with a 35-degree corner geometry, it is capable of cutting depths up to 3.0 mm, covering a wide machining range from finishing to roughing.

Features

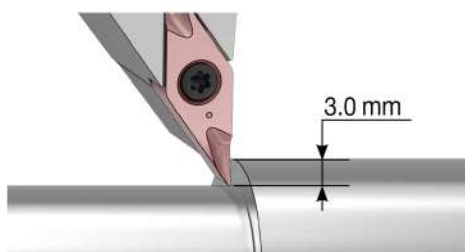
- 4-corner double-sided right-handed insert



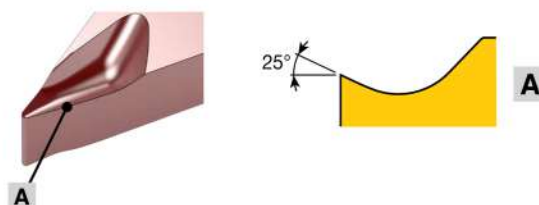
- Deep depth of cut ST chip breaker expansion



- 3.0 mm maximum depth of cut
 - Reduced number of machining paths



- Higher rake angle design for low cutting force



- Expanded chip breaker range (roughing to finishing)

Depth of cut (mm)

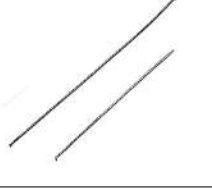
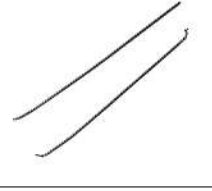


- ▶ Insert: VNGX 130401 ST-R-F
- ▶ Cutting speed (v): 125 m/min
- ▶ Material: AISI 1045 (HB180-220)

Taegutec Turning Line

Chip curl by cutting conditions

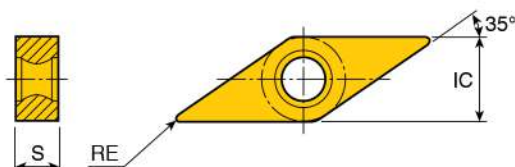
- Excellent chip control even at cutting depths of cut up to 3.0 mm
- Continuous chips ensure low cutting force and precise machining dimensions
- Recommended for use with the servo oscillation function in Swiss-type machines

Material	Carbon steel (AISI 1045)	Application	Ø20 External turning	RPM	2,000 rpm
ap (mm)	Feed (mm/rev)				
	0.03	0.05	0.08		
3.0					
2.0					
1.0					
0.5					

VNGX-ST new

RHINO TURN

Negative 35° rhombic inserts



Size	Dimension (mm)		
	IC	S	RE
13	7.94	4.76	0.08-0.4

Insert	Designation	ap (mm)	Feed (mm/rev)	PVD coated	
				TT9020	TT4430
 Right hand Roughing For Swiss	VNGX 1304008 ST-R-F	0.3-3.0	0.03-0.08	●	
	130401 ST-R-F	0.3-3.0	0.03-0.08	●	●
	130402 ST-R-F	0.5-3.0	0.03-0.10	●	●
	130404 ST-R-F	0.7-3.0	0.05-0.12	●	●
	130402 ST-R-E	0.5-3.0	0.03-0.10		●
	130404 ST-R-E	0.7-3.0	0.05-0.12		●

- ▶ - R: Right hand insert
- ▶ - E: Micro honing edge
- ▶ - F: Sharp edge

● : Standard items

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