January 2020
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1/7

NPN

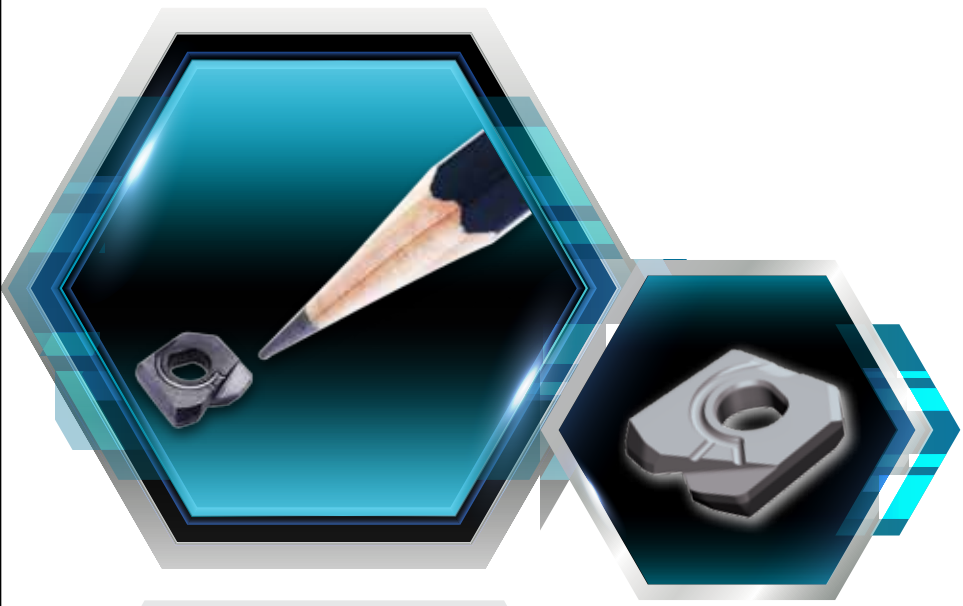
New Product News

new

Speed to Feed

NANRUSH
HIGH FEED MILL

Nano Sized Milling Line for High Feed Machining



ADVANCE MACHINING
TaeguTec Industry 4.0

INDUSTRY 4.0
TaeguTec
Member IMC Group

KEY POINT

TaeguTec has launched a new nano sized, high feed milling line — NAN-RUSH.

The new **NAN-RUSH** is a dedicated milling line for miniature components under high feed conditions, the line is available in Ø6 and Ø8, with two teeth even though the line is an insert type. An innovative line, not only does it replace smaller diameter solid carbide end mills, it is very economical as it eliminates the need for the regrinding and recoating.

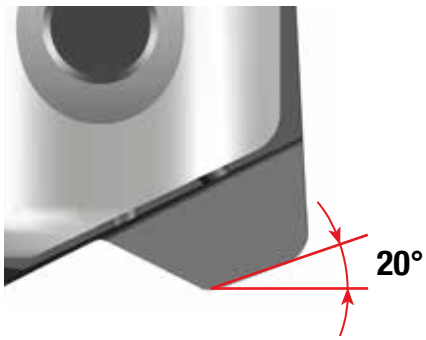
NAN-RUSH can be applied to a wide variety of applications such as shouldering, straight ramping, helical ramping and small cavity machining in high feed milling. It is especially optimized for the machining of smaller, confined areas of workpieces. As such, it is the optimal tooling solution for a wide range of industries, including miniature, small parts machining to mold and die.

For further technical questions, please contact TaeguTec's product manager.

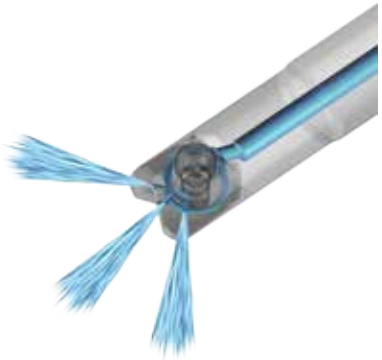
Features

- Ø6-2z, Ø8-2z

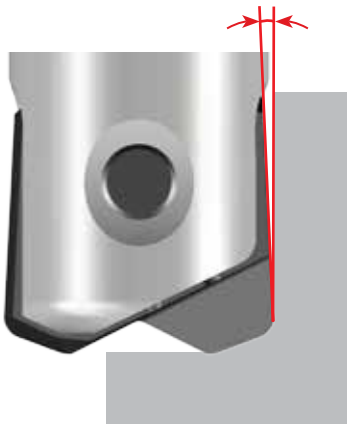
- 20° cutting edge for high feed machining



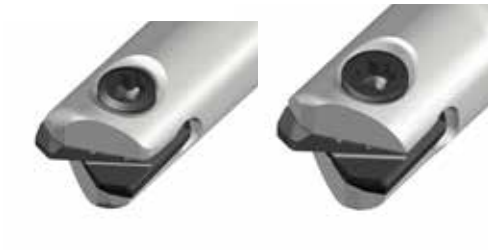
- Internal coolant system through the top of the insert



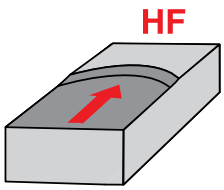
- Insert sides have a clearance angle for deep machining



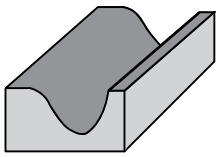
■ Excellent insert clamping force
- 1 screw fastening for rigidity and strength



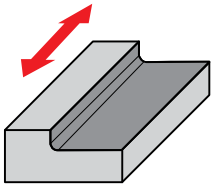
■ A wide variety of applications



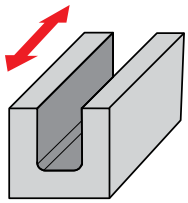
High feed milling



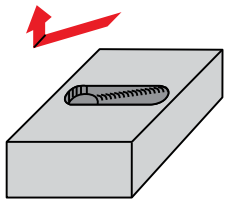
Profiling



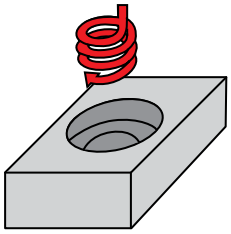
Shouldering



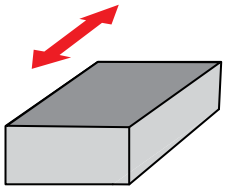
Slotting



Straight ramping



Helical ramping

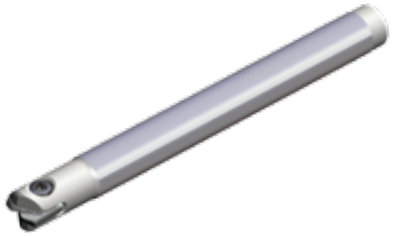


Facing

THFN

NANRUSH HIGH FEED MILL

High feed end mills



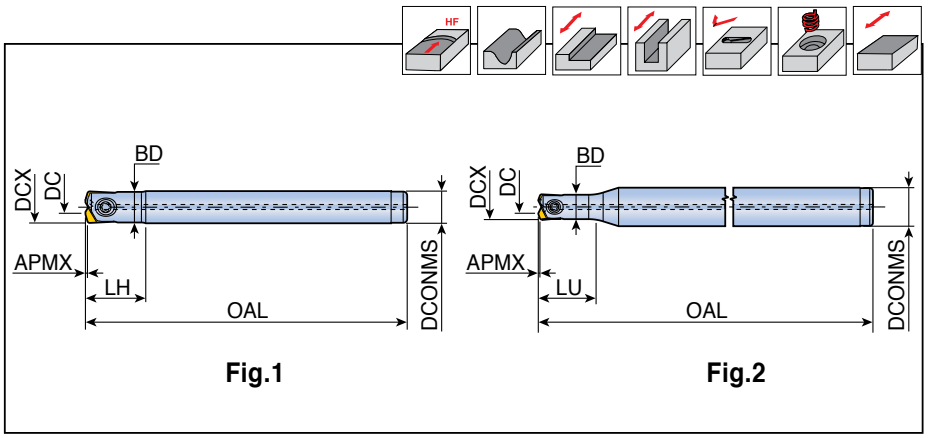


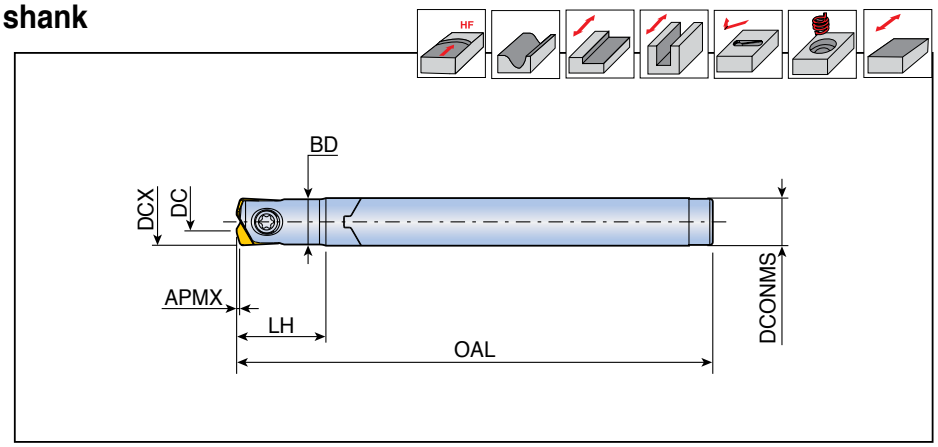
Fig.1 Fig.2

Designation		Dimension (mm)								Coolant	Fig.	Insert
		DCX	DC	DCONMS	BD	OAL	LH	LU	APMX			
THFN 060-06-L80	2	6	3	6	5.8	80	13	-	0.3	●	1	HFN 060...
060-10-L120	2	6	3	10	5.8	120	-	13	0.3	●	2	
080-08-L80	2	8	4	8	7.6	80	18	-	0.5	●	1	HFN 080...
080-12-L140	2	8	4	12	7.6	140	-	18	0.5	●	2	

THFN-CT

NANRUSH HIGH FEED MILL

High feed end mills - Carbide shank



Designation		Dimension (mm)							Coolant	Insert
		DCX	DC	DCONMS	BD	OAL	LH	APMX		
THFN 060-06-CT-L80	2	6	3	6	5.8	80	20	0.3	x	HFN 060...
060-06-CT-L140	2	6	3	6	5.8	140	25	0.3	x	
080-08-CT-L80	2	8	4	8	7.6	80	20	0.5	x	HFN 080...
080-08-CT-L160	2	8	4	8	7.6	160	30	0.5	x	

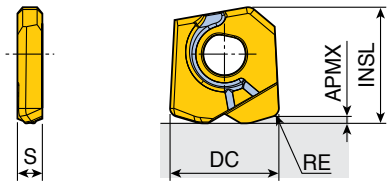
Spare parts

Designation	Screw	Wrench	Wrench	Wrench handle	
					
THFN 060	TS 20F060A	TD 6	-	-	
THFN 080	TS 25F080A	-	TBLD T08-W4	THND 4W	

HFN

NANRUSH HIGH FEED MILL

High feed inserts



Size	Dimension (mm)					
	INSL	DC	S	APMX	RE	
06	5.9	6	1.6	0.3	0.5	
08	8.4	8	1.8	0.5	0.6	

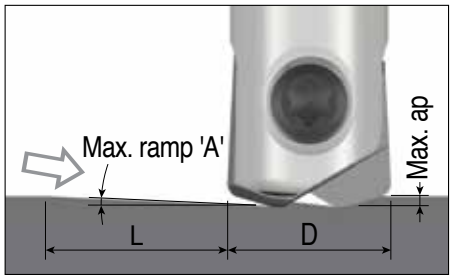
Insert	Designation	Recommended machining conditions		Coated								Uncoated		
		ap (mm)	Feed (mm/tooth)	TT9080	TT9030	TT8080	TT8020	TT8525	TT7080	TT7515	TT6080	TT5515	K10	
	**HFN 060-M**	0.1-0.2	0.50-0.30									●		
	080-M	0.2-0.3	0.50-0.30									●		

●: Standard items

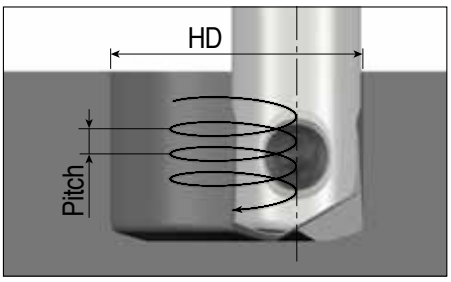
Ramping Data

NANRUSH HIGH FEED MILL

Straight ramping



Helical ramping

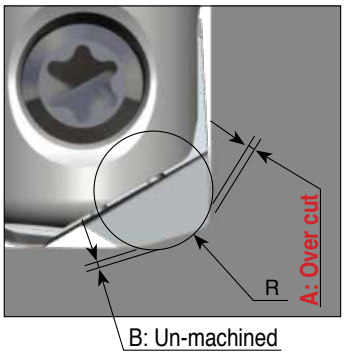


HFN

(unit: mm)

Cutter dia.(D)	Straight ramp down			Helical ramp down		
	Max. ramp (A°)	Max. ap	Min. length (L)	Min. dia.(HD)	Max. dia.(HD)	Max. pitch/rev.
Ø6	2.0	0.3	9	9.6		0.3
					11	0.3
Ø8	2.5	0.5	11	12		0.5
					15	0.5

Programming technical data



	R Program	A Over cut	B Un-machined
HFN 060	0.8	0.00	0.21
	1.0	0.03	0.16
HFN 080	0.8	0.00	0.38
	1.0	0.00	0.32
	1.2	0.02	0.27

: Recommended program 'R'

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