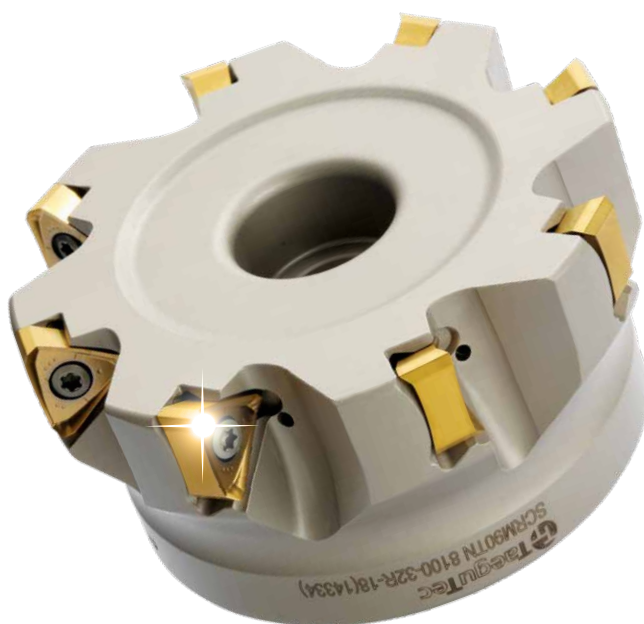


NEW PRODUCT NEWS



A New Concept MILL2RUSH





A New Concept MILL2RUSH

FEATURES

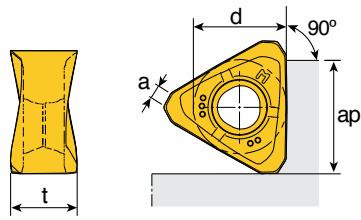
- **High helical, positive geometry & double sided insert**
 - Low cutting force
 - Stable machining and high productivity
- **90 degree entering angle with 13mm depth of cut**
- **Economical 6 cutting edges**
- **Rigidity due to angled screw clamping design**

TaeguTec is pleased to introduce MILL2RUSH TNMX 18 inserts and cutters, a new 90 degree angle machining solution. The new MILL2RUSH TNMX 18 is a triangular, double-sided 6 cutting edges insert that focuses on economy. Furthermore, the TNMX 18's high positive cutting edges geometry reduces cutting loads.


Also, the 8 mm insert thickness enables stable, powerful machining while the angled screw clamping design—already a feature of the current MILL2RUSH line—promotes rigid clamping.

TNMX 18

Insert



Size	Dimension (mm)			
	d	t	ap	a
18	11.65	8	13	1.4

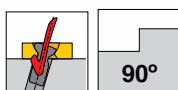
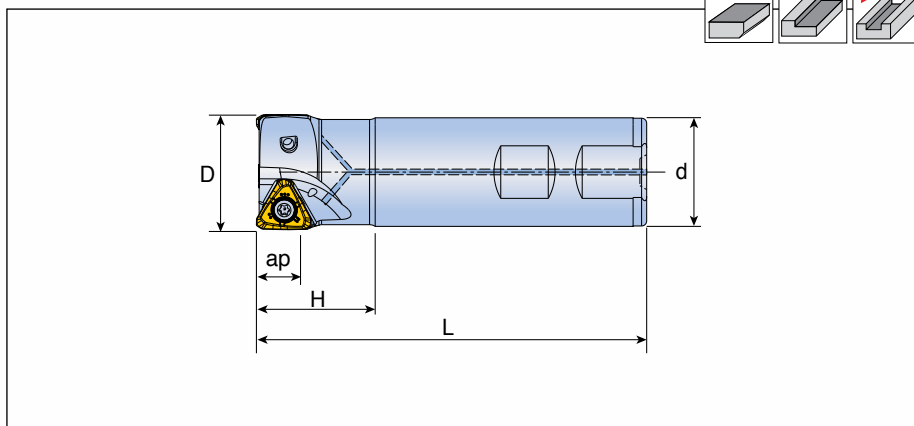
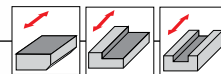
Insert	Designation	Recommended machining conditions		Coated						Uncoated
		Fz (mm/tooth)	ap (mm)	TT9080	TT8080	TT7800	TT7080	TT6080	TT2510	
	TNMX 1806 PNTR-M	0.07-0.15	1.0-11.0	●	●	●	●	●	●	

●: Standard Item



SCRM90TN □□□-W□□-18

End mill



Designation	⊙	Dimension (mm)					Insert
		D	d	L	H	ap	
SCRM90TN 235-W32-18	2	35	32	115	35	13	TNMX 1806 PNTR-M
340-W32-18	3	40	32	115	35	13	

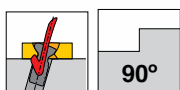
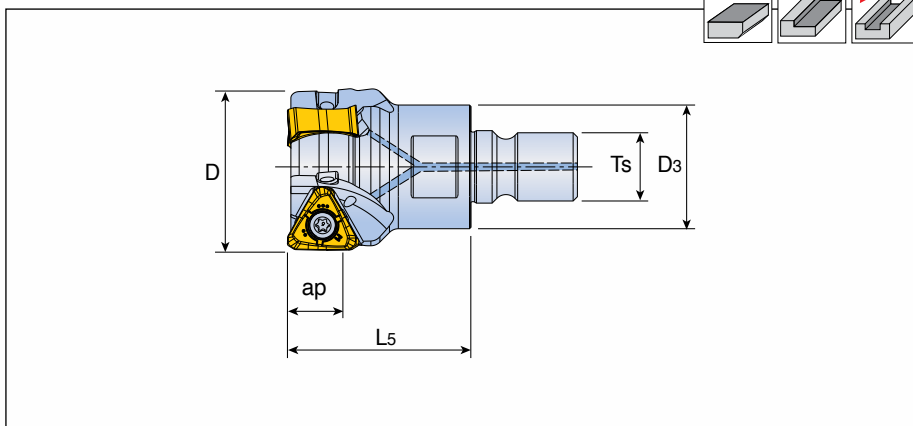
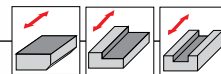
• Coolant through type

Spare parts

Designation	Screw	Wrench			
SCRM90TN-□□□-W□□-18	TS 40B100I	T-T15			

SCRM90TN □□□-M□□-18

Modular



90°

Designation		Dimension (mm)					Insert
		D	D ₃	L ₅	T _s	ap	
SCRM90TN 235-M16-18	2	35	29	43	16	13	TNMX 1806 PNTR-M
340-M16-18	3	40	29	43	16	13	

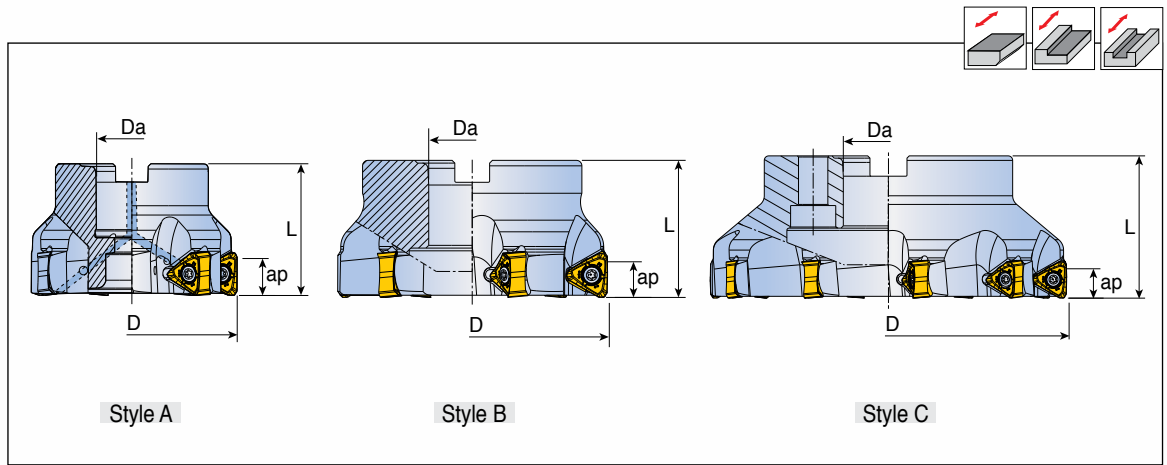
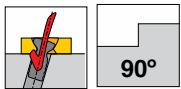
• Coolant through type

Spare parts

Designation	Screw	Wrench			
SCRM90TN-□□□-M□□-18	TS 40B100I	T-T15			

SCRM90TN □□□-□□-18

Face mill



Designation	Z	Dimension (mm)						Arbor Style	Kg	Mounting Bolt	Insert
		D	Da	Da(")	L	ap					
SCRM90TN 450-16R-18	4	50	16	-	40	13	●	A	0.3	SH M8x1.25x30	TNMX 1806 PNTR-M
563-22R-18	5	63	22	-	40	13	●	A	0.5	SH M10x1.5x30	
580-27R-18	5	80	27	25.4	50	13	●	A	1.1	SH M12x1.75x35	
780-27R-18	7	80	27	25.4	50	13	●	A	1.1	SH M12x1.75x35	
6100-32R-18-B	6	100	32	31.75	50	13	●/x	A/B	2.0	SH M16x2x35/-	
8100-32R-18	8	100	32	31.75	50	13	●/x	A/B	2.0	SH M16x2x35/-	
7125-40R-18-B	7	125	40	38.1	63	13	●/x	A/B	3.4	SH M20x2.5x40/-	
10125-40R-18	10	125	40	38.1	63	13	●/x	A/B	3.3	SH M20x2.5x40/-	
10160-40R-18	10	160	40	50.8	63	13	x	C	4.5	-	
14160-40R-18	14	160	40	50.8	63	13	x	C	4.5	-	
16200-60R-18	16	200	60	47.625	63	13	x	C	6.2	-	

- Ordering example: Metric cutter SCRM90TN 580 27R-18, Inch-bore cutter SCRM90TN 580-25.4R-18
- Mounting bolts supplied do not have coolant through facility.
If the application demands a coolant through cutter, the mounting bolt with coolant through holes needs to be ordered separately
- Ex) SH M10x1.5x30: Bolt without hole.
SH M10x1.5x30-C: Bolt with hole.

Spare parts

Designation	Screw	Wrench			
SCRM90TN-18	TS 40B100I	T-T15			

Recommended cutting conditions

MILL CRUSH - SCRM90TN using TNMX 18 inserts

Material	Hardness (HB)	D.O.C (mm)	Speed (m/min)	Best grades	Feed (mm/tooth)
Low Carbon Steel	85 - 175	- 6.0	200 - 300	TT7080	0.10 - 0.23
High Carbon Steel	175 - 225	- 6.0	130 - 280	TT9080	0.10 - 0.23
Alloy Steel	275 - 325	- 6.0	120 - 250	TT9080	0.10 - 0.23
Tool Steel	-	- 6.0	80 - 180	TT2510	0.06 - 0.20
Stainless 300 Series	-	- 4.0	80 - 170	TT8080	0.10 - 0.15
Stainless 400 Series	-	- 4.0	100 - 210	TT8080	0.10 - 0.18
Gray Cast Iron	190 - 220	- 6.0	150 - 300	TT6080	0.10 - 0.20
Aluminum	140 - 200	- 6.0	100 - 250	TT6080	0.10 - 0.20

- Reduce speed by 20% for face mills when slotting