

NPN

New Product News



MINIRUSH
INTERNAL GROOVING

Mini Size Inserts and Holders for Internal Shallow Grooving



KEY POINT

TaeguTec launches new MINI-I-RUSH inserts and holders for internal grooving of small diameters from Ø 10 mm

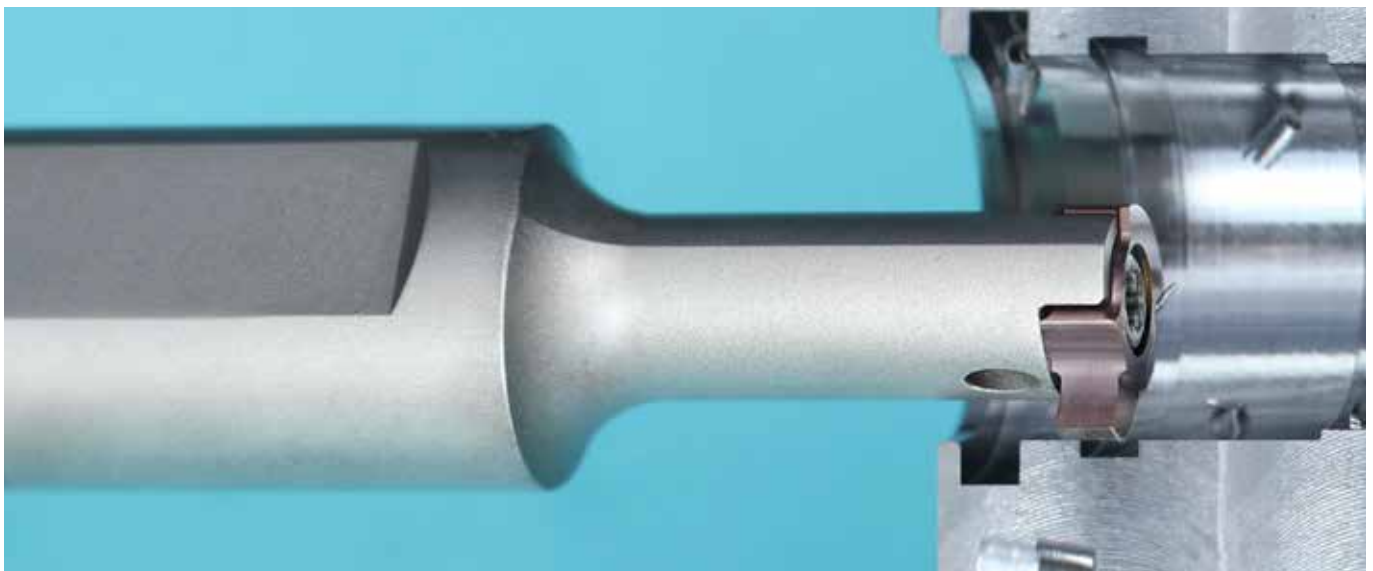
In general, vibration and noise due to long overhang machining happens during small diameter internal grooving operations – a challenge that reduces tool life and machining surface roughness.

To solve this problem, the **MINI-I-RUSH** is a small diameter internal grooving solution with a robust three-area contact structure of the insert and holder for the prevention of possible vibration and holder breakage during internal grooving operations. The TMIS 8 inserts also ensure the repeatability of the position of the insert's cutting edge and offers excellent surface finish and durability. In addition, the insert is equipped with a neutral holder in four directions for easy set-up and stock management.

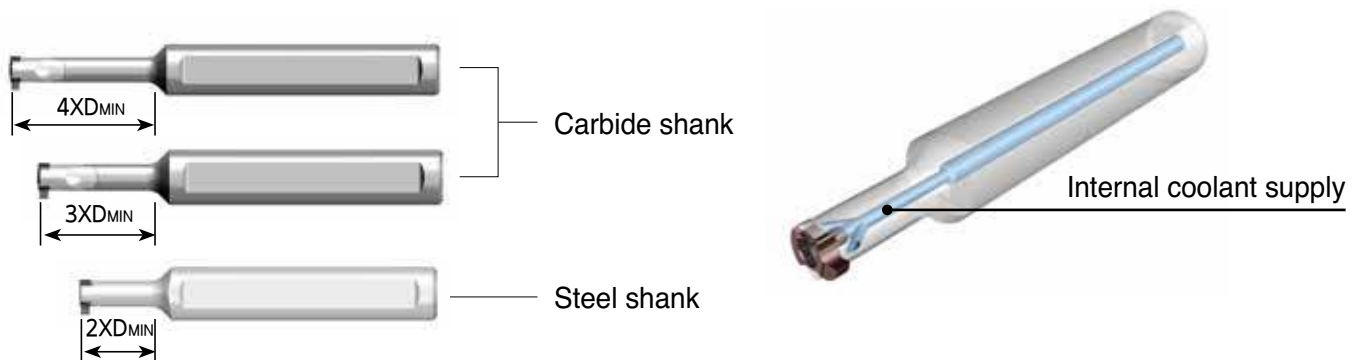
It is optimally suited for internal grooving and turning from a bore diameter of Ø 10 mm. The TT4430 new PVD coated grade with sharp edge treatment provides higher cutting reliability.

Features

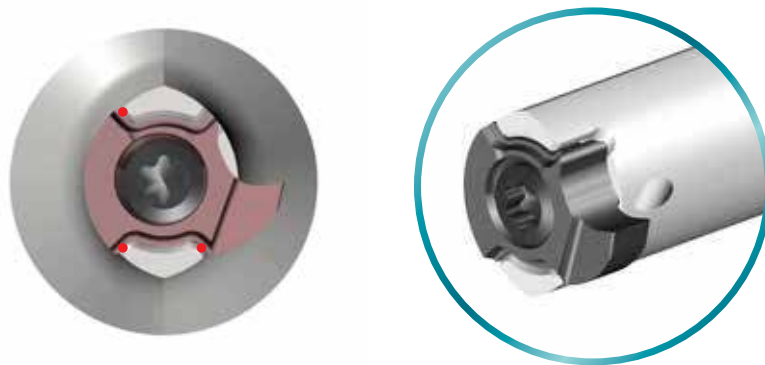
- Suitable for small diameter grooving with minimum bore diameter of Ø 10 mm
 - Wide range of applications with internal grooving and turning
- Robust 3-area contact with screw clamping design prevents vibration and holder breakage
 - Stable machining with strong clamping and excellent surface finish
- Economical compared to the solid carbide tools, no setup required
- Inserts can be mounted into 4-direction neutral holders
- Internal coolant supply
- Carbide shank for deep bore machining and standard steel shank provided
- TT4430 new PVD coated grade with sharp cutting edge
 - Ideal combination of tough submicron substrate and a multi AlTiCrN coated layer for anti-chipping and reliable performance
 - General machining of small parts for steel, stainless steel and titanium alloy
 - Reduces burrs, good surface finish and longer tool life



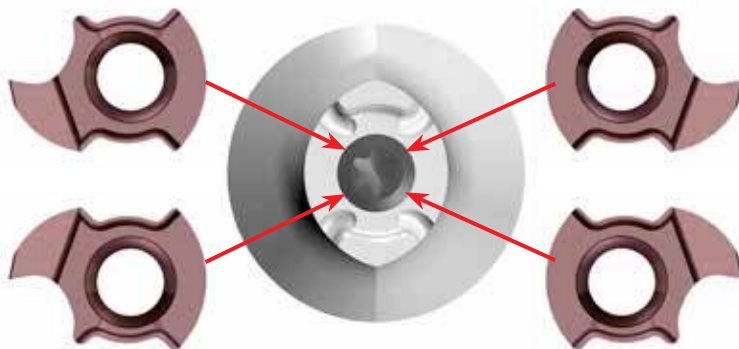
■ Machining depth by shank materials and internal coolant supply



■ Robust 3-area contact and screw clamping



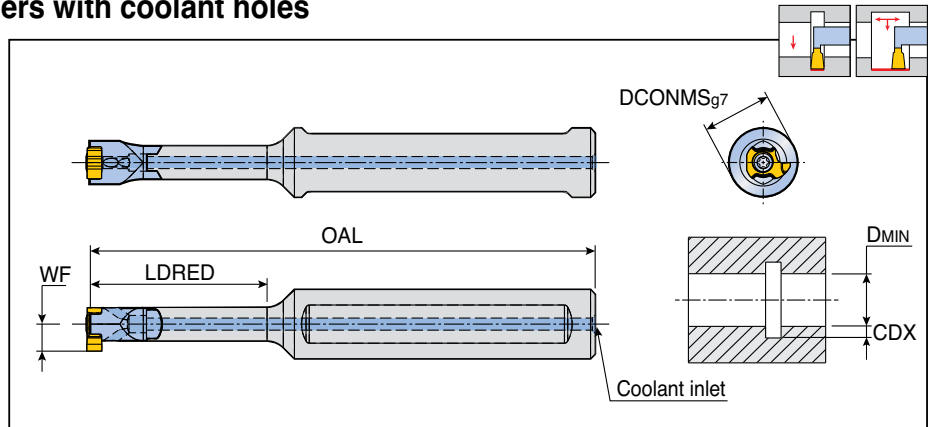
■ Insert can be mounted onto 4-directional neutral holders



TMIHN -C





Internal grooving carbide holders with coolant holes



Designation	Dimension (mm)					Coolant inlet	Insert
	DCONMS	OAL	LDRED	WF	DMIN		
TMIHN 12C-24-8	12	92	24	4.7	10	Ø2	TMIS 8
12C-32-8	12	100	32	4.7	10	Ø2	

• CDX: Refer to insert dimension

Spare parts

Designation	Screw	Wrench		
	TMIHN -C	 TS 22052I/HG	 T 7	

KIT COLLECTIONS

These kit products are available in the format listed below.



Cat. No.	Designation	Bill of materials	Qty.
6334877	KISFT-TMIS 8-1000-12-16	TMIHN 12-16-8	1
		TMIS 8-1.00-0.00 TT4430	3
6334878	KISFT-TMIS 8-15005-12-16	TMIHN 12-16-8	1
		TMIS 8-1.50-0.05 TT4430	3
6334879	KISFT-TMIS 8-2001-12-16	TMIHN 12-16-8	1
		TMIS 8-2.00-0.10 TT4430	3
6334880	KISFT-TMIS 8-1000-12C-24	TMIHN 12C-24-8	1
		TMIS 8-1.00-0.00 TT4430	3
6334881	KISFT-TMIS 8-15005-12C-24	TMIHN 12C-24-8	1
		TMIS 8-1.50-0.05 TT4430	3
6334882	KISFT-TMIS 8-2001-12C-24	TMIHN 12C-24-8	1
		TMIS 8-2.00-0.10 TT4430	3



Cat. No.	Designation	Bill of materials	Qty.
6337938	KISFS-TMIS 8-1000-12-16	TMIHN 12-16-8	1
		TMIS 8-1.00-0.00 TT4430	20
6337939	KISFS-TMIS 8-15005-12-16	TMIHN 12-16-8	1
		TMIS 8-1.50-0.05 TT4430	20
6337940	KISFS-TMIS 8-2001-12-16	TMIHN 12-16-8	1
		TMIS 8-2.00-0.10 TT4430	20
6337941	KISFS-TMIS 8-1000-12C-24	TMIHN 12C-24-8	1
		TMIS 8-1.00-0.00 TT4430	20
6337942	KISFS-TMIS 8-15005-12C-24	TMIHN 12C-24-8	1
		TMIS 8-1.50-0.05 TT4430	20
6337943	KISFS-TMIS 8-2001-12C-24	TMIHN 12C-24-8	1
		TMIS 8-2.00-0.10 TT4430	20



Cat. No.	Designation	Bill of materials	Qty.
6338484	KISFF-A-TMIS8-1000 TT4430	TMIS 8-1.00-0.00 TT4430	50
6338485	KISFF-B-TMIS8-1000 TT4430		100
6338486	KISFF-A-TMIS8-15005TT4430	TMIS 8-1.50-0.05 TT4430	50
6338487	KISFF-B-TMIS8-15005TT4430		100
6338488	KISFF-A-TMIS8-2001 TT4430	TMIS 8-2.00-0.10 TT4430	50
6338489	KISFF-B-TMIS8-2001 TT4430		100