

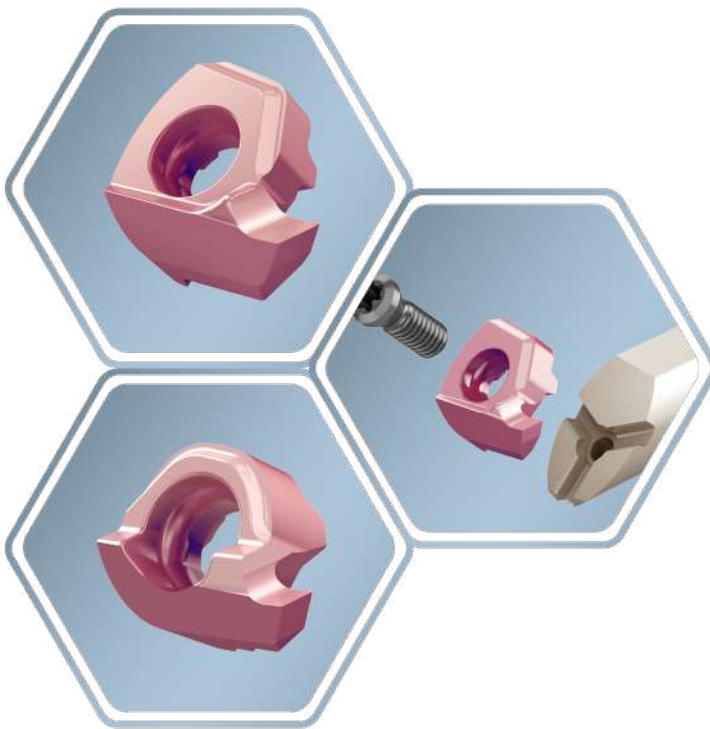
NPN

New Product News



WINGROOVE

Small Hole Internal Grooving Insert Line



KEY POINT

TaeguTec introduces the WIN-I-GROOVE for the small hole internal grooving line.

TaeguTec has responded to the growing demand in the miniature market for miniature inserts and dedicated holders with grooving capability in the 6-8 mm smaller diameter range.

Excellent machining performance is the result of the stronger clamping stemming from the inclined, wide contact surface design of the TMIR/L inserts and TMIHR/L holders. Additionally, the inclined clamping structure offers one further advantage, sufficient space for smooth chip evacuation.

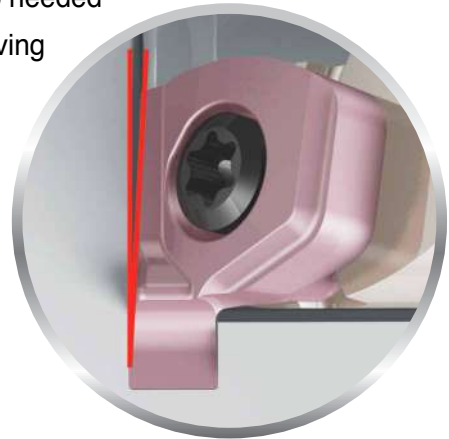
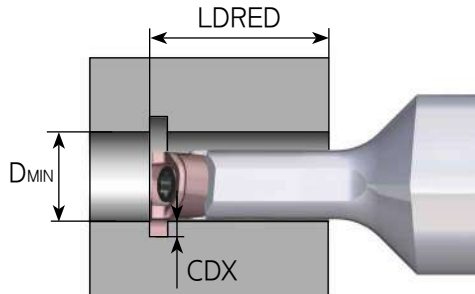
Along with steel holders capable of 2xD depths machining, TaeguTec also offers carbide brazed holders capable of deep internal grooving up to 4xD. Tool holders include internal coolant for improved tool life and facilitates optimal chip evacuation.

Please contact the product manager for further details.



Features

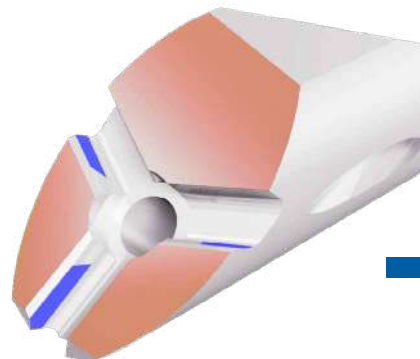
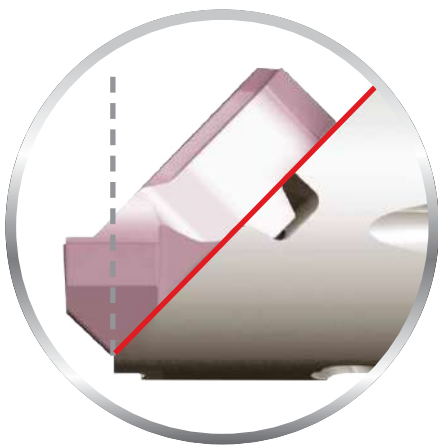
- Improved economy compared to solid carbide tools with no setup needed
- Capable of small bore internal grooving and internal bottom grooving



Internal bottom grooving

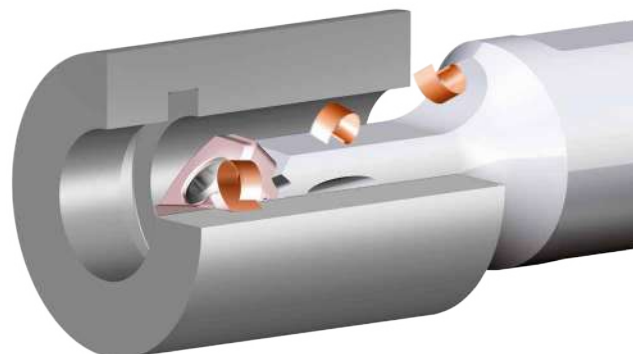
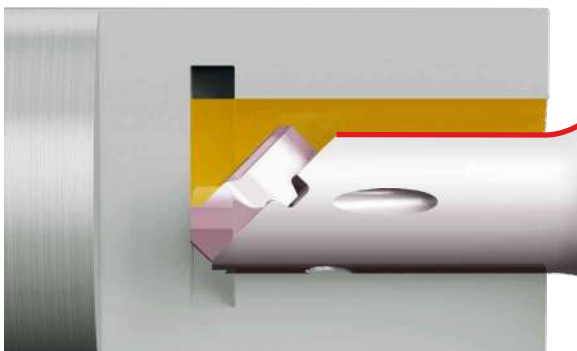
Insert	DMIN	CDX	LDRED
TMIR/L 6	6.0	Max. 1.0	Max. 24
TMIR/L 8	8.0	Max. 1.5	Max. 32

- Unique inclined clamping system
 - Insert's wider contact area design enables excellent machining performance



- 3-point contact
 - ▶ Insert movement during operation eliminated
- Wider contact face
 - ▶ Stable machining in both grooving and turning

- Tool's efficient design allows for excellent chip evacuation



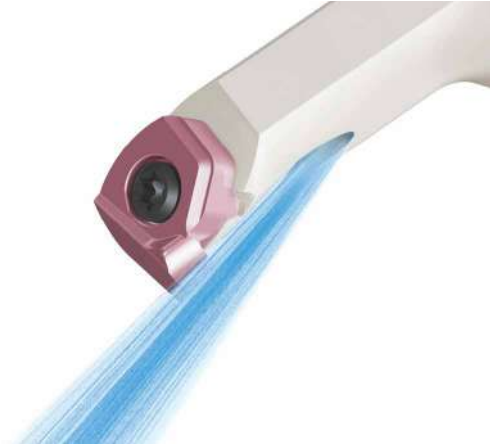
- Carbide brazed holders available for deep hole grooving
 - Steel holders



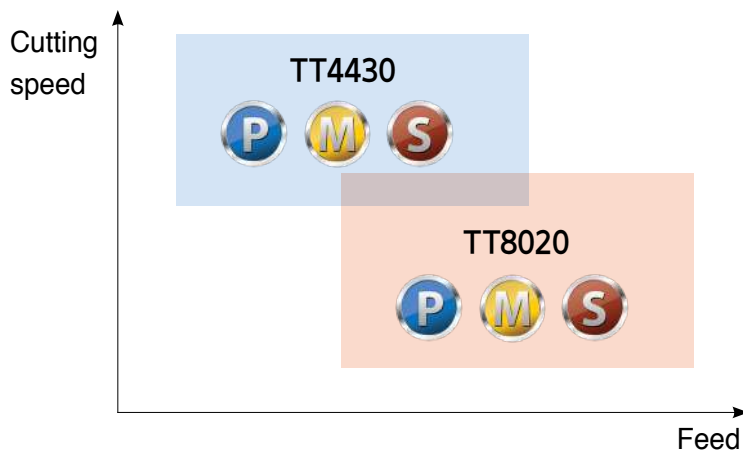
- Carbide brazed holders



- Increased tool life due to the pinpointed coolant flow to the cutting edge



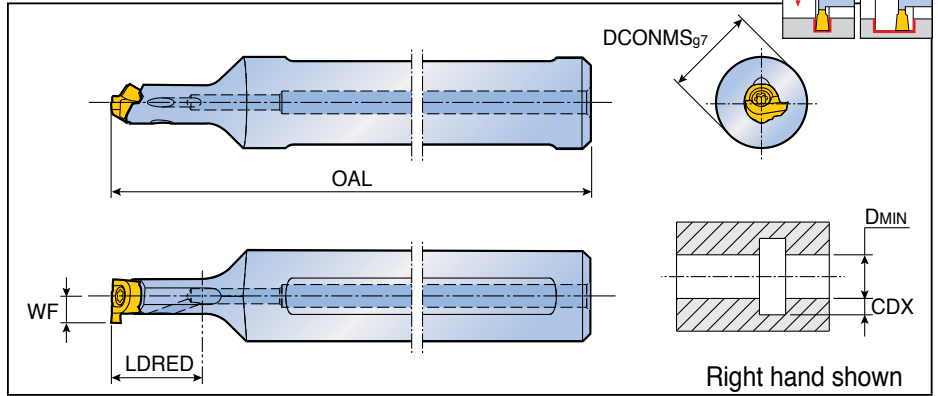
- Available in two grades: TT4430 and TT8020



TMIHR/L



Internal boring bars for shallow grooving with coolant hole on small diameter





Right hand shown

Designation	Dimension (mm)					Insert
	DCONMS	OAL	LDRED	WF	DMIN	
TMIHR/L 12-12-6	12	80	12	3.5	6.0	TMIR/L 6
12-16-8	12	80	16	4.7	8.0	TMIR/L 8

► CDX: Refer to insert dimension

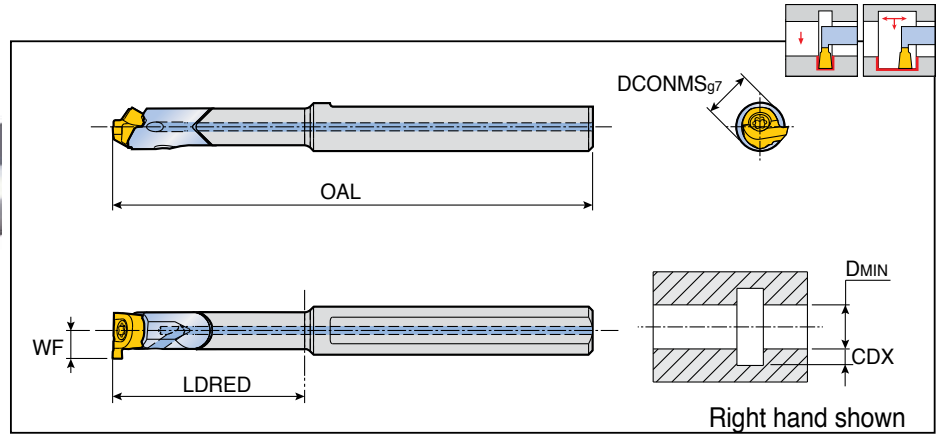
Spare parts

Designation	Screw	Wrench		
				
TMIHR/L 12-12-6	TS 18049/HG-P	T 6P		
TMIHR/L 12-16-8	TS 20055I	T 6		

TMIHR/L ..C



Internal carbide boring bars for shallow grooving with coolant hole on small diameter



Designation	Dimension (mm)					Insert
	DCONMS	OAL	LDRED	WF	DMIN	
TMIHR/L 06C-18-6	6	54	18	3.5	6.0	TMIR/L 6
06C-24-6	6	60	24	3.5	6.0	TMIR/L 6
12C-24-8	12	92	24	4.7	8.0	TMIR/L 8
12C-32-8	12	100	32	4.7	8.0	TMIR/L 8

► CDX: Refer to insert dimension

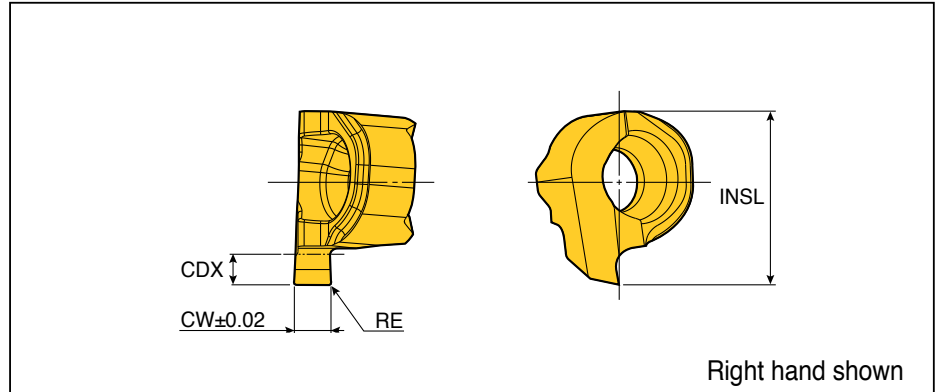
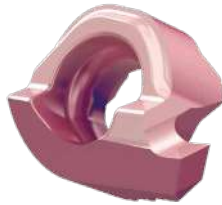
Spare parts

Designation	Screw	Wrench		
TMIHR/L 06C	TS 18049/HG-P	T 6P		
TMIHR/L 12C	TS 20055I	T 6		

TMIR/L



Precise inserts for internal shallow grooving on small diameter



Designation	Feed (mm/rev)	Dimension (mm)				Grade	
		CW	RE	CDX	INSL	TT4430	TT8020
TMIR/L 6-0.50-0.00	0.01-0.03	0.50	0.00	0.5	5.7	●	●
6-1.00-0.00	0.01-0.03	1.00	0.00	1.0	5.7	●	●
6-1.20-0.05	0.01-0.03	1.20	0.05	1.0	5.7	●	●
8-0.50-0.00	0.01-0.03	0.50	0.00	0.7	7.4	●	●
8-1.00-0.00	0.01-0.03	1.00	0.00	1.5	7.4	●	●
8-1.50-0.05	0.01-0.03	1.50	0.05	1.5	7.4	●	●
8-2.00-0.10	0.01-0.03	2.00	0.10	1.5	7.4	●	●

●: Standard items