



TURNSFEED!

TURNING PRODUCTS



Number of Cutting Edges:

External Holders:

1.00" 1.25"

Depth of Cut: .020~.080"

.020~.080 (0.5~2.0mm)

Feed Rates:

HFP: .040~.100" (1.0~2.5mm) HFG: .060~.120" (1.5~3.0mm)

Grades:

Steel - TT8115B, TT8125B & TT8135B Stainless Steel - TT9225

Fittings & Hoses: Sold separately. See last page.



New High Feed Product Line Capable of Bi-directional Turning

Ingersoll is pleased to introduce a high feed turning system featuring a trigon-shaped positive insert and coolant-thru holder. The insert design takes advantage of chip-thinning in order to provide high feed capability. The neutral-oriented holder allows turning in either direction, and eliminates a need to use multiple tools to turn between shoulders. The insert geometry is designed to provide excellent chip control in high feed turning applications while maintaining strength at the cutting edge.

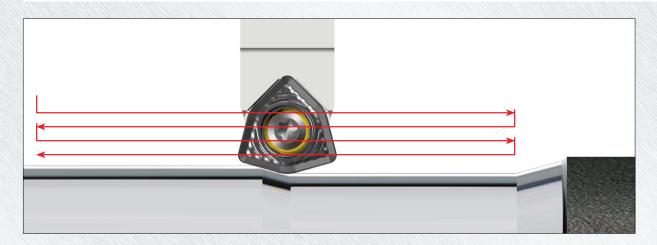
Features & Benefits:

- Productive, high feed turning with a maximum .120" (3mm) feed per revolution and up to .080" (2mm) depth of cut
- Positive, trigon-shaped insert with 6 cutting edges (3 indexes) and optimized chip breaker
- Bi-directional (left or right) continuous turning with one neutral holder.
 - Dramatically reduced cycle time
 - Less inventory of holders
- Anti-rotation groove design on the bottom of insert along with a special screw design provides very stable clamping & machining, even at incredibly high feed rates
- high-pressure through coolant from above and below insert enhances chip control T8115B, TT8125B, TT8135B two-tone colored CVD-coated grades protect against heat and crater wear





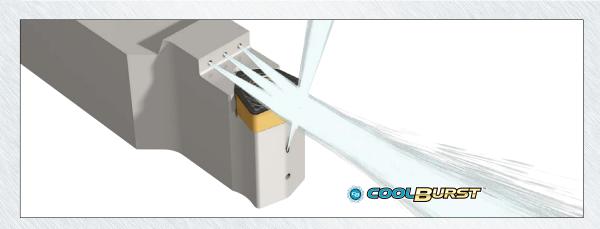
CAPABLE OF BI-DIRECTIONAL (LEFT & RIGHT) CONTINUOUS TURNING



SCREW HOLE AND GROOVES FOR ANTI-ROTATION



UPPER AND LOWER COOLANT SUPPLY







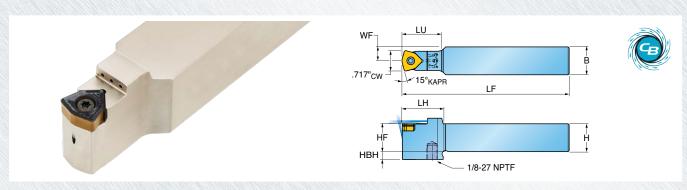
■ TURNISHEDE™ FCMX CHIP BREAKER GEOMETRY/CHIP CONTROL RANGE

Chipbreaker	Cutting edge geometry	Graph					
		Depth of cut (inch)					
		.080					
		.060					
	A	FCMX-HFG					
HFG	.011"	.020					
High feed turning for general purpose in steel and stainless steel	00 1	0					
Low cutting force with special inclination (6°) design Heat radiator design for effective cooling	6°	• Insert: FCMX 100616-HFG	.120 rate (ipr				
		• Cutting speed (sfm): 500 • Material: AISI 1045 (HB200-230)					
		Depth of cut (inch)					
		.080					
		.060					
		FCMX-HFP					
	A	.020					
HED	.012"	0					
HFP	/						
HIFP High feed turning for steel, especially in alloy steel Strong cutting edge	10° A	.040 .060 .080 .100	.120 rate (ipr				





SERIES SFXCN SCREW TYPE HOLDERS WITH HIGH PRESSURE COOLANT



		Dimension (inch)								
Approach angle	Part Number	H Shank Height	HF Functional Height	B Shank Width	LF Functional Length	LU Usuable Length	WF Functional Width	LH Head Length	HBH Head Bottom Offset Height	Insert
15°	SFXCN 16-4.9D	1.000	1.000	1.000	6.0	1.26	.500	1.46	.26	FCMV 4 O 4
004345F	SFXCN 20-4.9D	1.250	1.250	1.250	6.0	1.26	.625	1.46		FCMX 4.944

Spare Parts







SERIES FCMX POSITIVE HIGH FEED INSERTS



	Dimensions (inch)					
Size	IC Inscribed Circle Dia.	S1 Thickness	RE Corner Radius			
4.9 (10)	.608	.256	.063			

		Feed (ipr)	CVD Coated				
Part Number ANSI (ISO)	ap (inch)		П8115В	П8125В	ТТ8135В	π9225	
FCMX 4.944 (100616) HFG	.020080	.060120	•	•		•	
FCMX 4.944 (100616) HFP	.020080	.040100	•	•	•		

•: Standard items



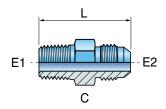






ONNECTORS

Fig.1 - STRAIGHT MALE CONNECTOR



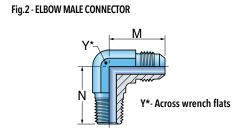
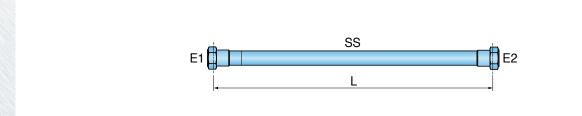


Fig.	Part Number	End	Size	С	L	Max Pressure
		E1	E2	(hex)		(psi)
1	TB-4-FTX-S	1/8-27 NPTF	1/4 (37° Flare)	1/2"	1.22"	6000

Fig.	Part Number	End Size		v		M	Max Pressure	
		E1	E2	T T	М	N	(psi)	
2	TB-4-CTX-S	1/8-27 NPTF	1/4 (37° Flare)	7/16"	0.89"	0.78"	6000	

All connectors ordered separately.

■ **© © © FLEXIBLE HIGH-PRESSURE HOSES**



Down Norman		Max Pressure		
Part Number	OAL	E1	E2	(psi)
TB-HOSE-7/16-7/16-8.0SS	8.0"	1/4 (37° Flare)	1/4 (37° Flare)	3000
TB-HOSE-7/16-7/16-10.0SS	10.0"	1/4 (37° Flare)	1/4 (37° Flare)	3000

Hoses ordered separately.

