



TURNSFEEDF"

TURNING PRODUCTS



Number of Cutting Edges:

ာ

External Holders:

1.00" 1.25"

Depth of Cut:

HFP: .020-.100" (0.5~2.5mm) HFG: .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.

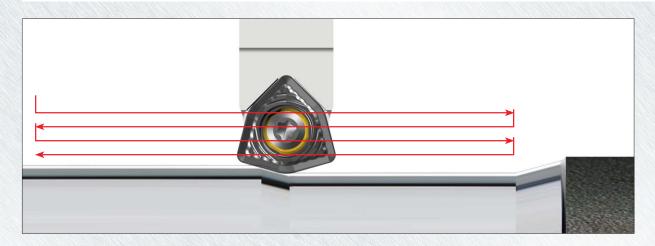
Features & Benefits:

- Productive, high feed turning with a maximum .120" (3mm) feed per revolution and up to .100" (2.5mm) 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
- In the control of t





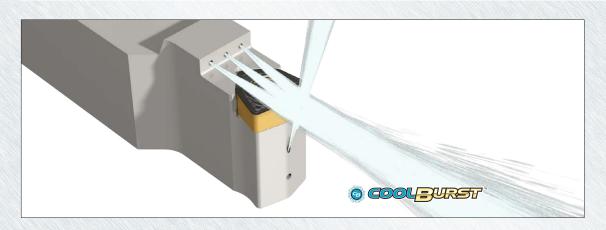
CAPABLE OF BI-DIRECTIONAL (LEFT & RIGHT) CONTINUOUS TURNING



SCREW HOLE AND GROOVES FOR ANTI-ROTATION



UPPER AND LOWER COOLANT SUPPLY







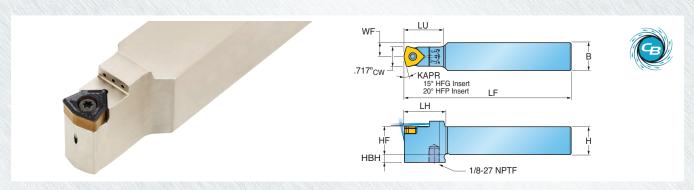
■ TURN STEED FCMX CHIP BREAKER GEOMETRY/CHIP CONTROL RANGE

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





SERIES SFXCN SCREW TYPE HOLDERS WITH HIGH PRESSURE COOLANT



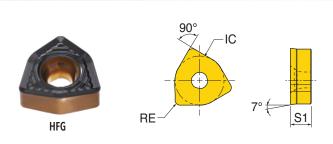
		Dimension (inch)								
Approach angle	Part Number	H Shank Height	HF Functional Height	B Shank Width	LF Functional Length	LU Usuable Length	WF Functional Width	LH Head Length	HBH Head Bottom Offset Height	Insert
15°	SFXCN 16-4.9D	1.000	1.000	1.000	6.0	1.26	.500	1.46	.26	FCMX 4.944
	SFXCN 20-4.9D	1.250	1.250	1.250	6.0	1.26	.625	1.46		1 CIVIA 4.744

Spare Parts





SERIES FCMX-HFG POSITIVE HIGH FEED INSERTS

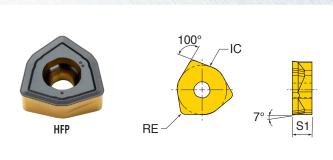


	Dimensions (inch)						
Size	IC Inscribed Circle Dia.	S1 Thickness	RE Corner Radius				
4.9 (10)	.608	.256	.063				

			CVD Coated					
Part Number ANSI (ISO)	ap (inch)	Feed (ipr)	П8115В	TT8125B	П8135В	π9225		
FCMX 4.944 (100616) HFG	.020080	.060120	•	•		•		

·: Standard items

SERIES FCMX-HFP POSITIVE HIGH FEED INSERTS



	Dimensions (inch)						
Size	IC S1 Correle Dia. Thickness Rac						
4.9 (10)	.647	.256	.063				

			CVD Coated					
Part Number ANSI (ISO)	ap (inch)	Feed (ipr)	TT8115B	ТТ8125В	TT8135B	Π9225		
FCMX 4.944 (100616) HFP	.020100	.040100	•	•	•			

•: Standard items

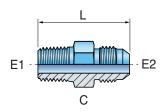






© COOLETT CONNECTORS

Fig.1 - STRAIGHT MALE CONNECTOR



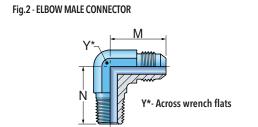
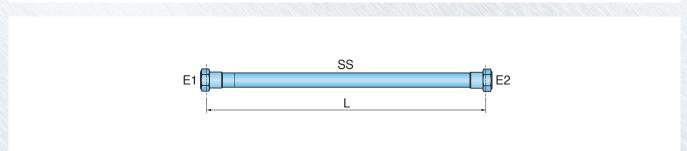


Fig.	Part Number	End	Size	C (hev)		Max Pressure
rig.	rig. Part Number	E1	E2	(hex)		(psi)
1	TB-4-FTX-S	1/8-27 NPTF	1/4 (37° Flare)	1/2"	1.22"	6000

Fig.	Dart Number	Part Number End Size	Size	Υ	M	N	Max Pressure
rig. Fait Number	Fait Nulliber	E1	E2		IVI		(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**



Part Number		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.

