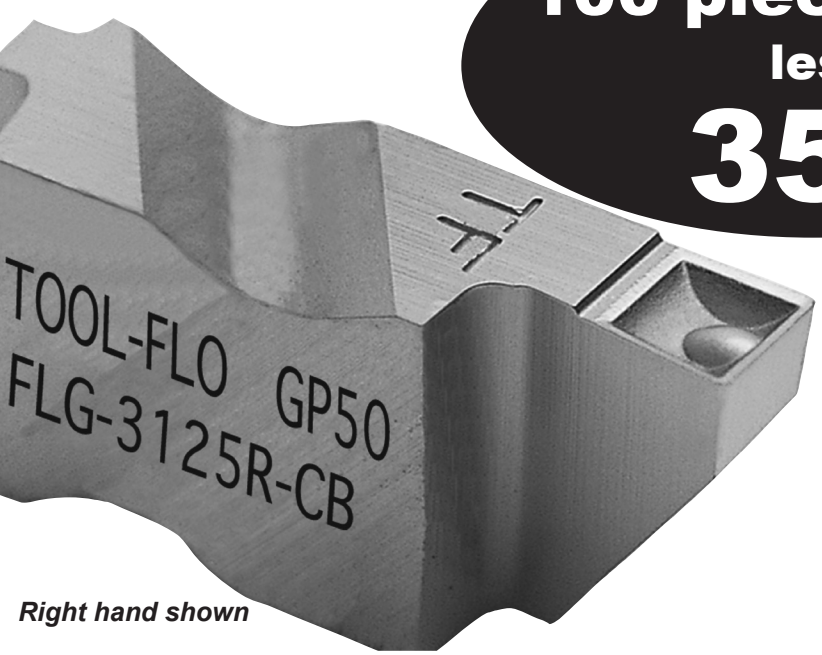
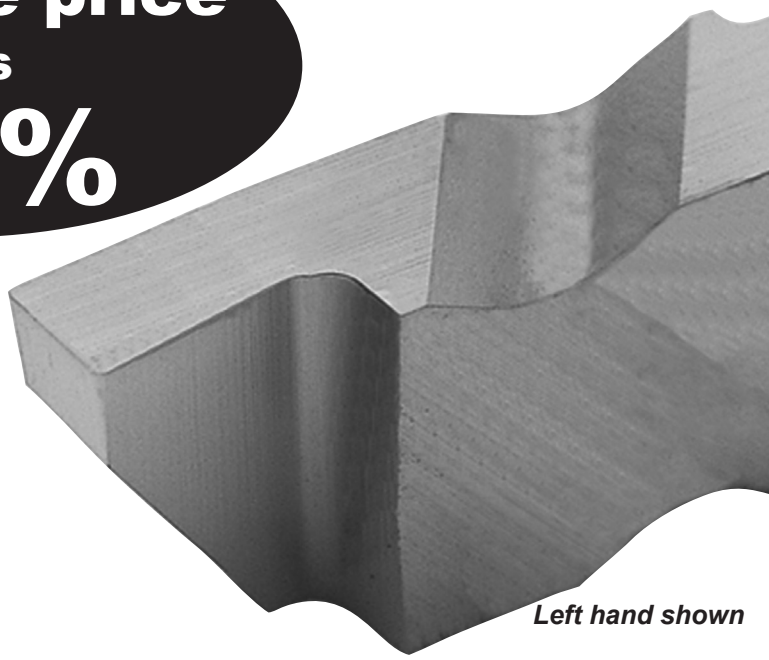
Special Crossover Pricing!

100 piece price
less
35%



Right hand shown



Left hand shown

Bring us a competitor's description of any stock standard threading or grooving insert and we will give you our crossover at a very special price.

Flo-Lock Cross Reference Chart

STYLE	TOOL-FLO	KENNAMETAL®	SANDVIK®*
ACME	**FLA**	NA	TLA
ACME STUB	**FLAS**	NAS	TLAS
API-NON TOPPING	**FLD**	ND	TLD
API-TOPPING	**FLDC**	NDC	TLDC
DEEP GROOVING	**FLGD**	NGD	#
FACE GROOVING	**FLF**	NF	TLF
GROOVING	**FLG**	NG	TLG
GROOVING-POSITIVE	**FLGP**	NGP	TLGP
UNJ	**FLJ**	NJ	TLJ
UNJ-FINE PITCH	**FLJF**	NJF	TLJF
UNJ-FINE PITCH-POSITIVE	**FLJK**	NJK	TLJK
UNJ-POSITIVE	**FLJP**	NJP	TLJP
PROFILING - LH	**FLPL**	NPL	#
PROFILING - RH	**FLPR**	NPR	#
GROOVING - FNR	**FLR**	NR	TLR
GROOVING - FNR POS.	**FLRP**	NRP	TLRP
60˚ V	**FLT**	NT	TLT
AM. STD. BUTTRESS	**FLTB**	NTB	TLTB
UN - UNIFIED	**FLTC**	NTC	TLTC
60˚ V - FINE PITCH	**FLTF**	NTF	TLTF
60˚ V - FINE PITCH POSITIVE	**FLTK**	NTK	TLTK
60˚ V - POSITIVE	**FLTP**	NTP	TLTP
POLY-V GROOVING	**FLV**	NV	TLV

TOOL-FLO inserts will fit in all other brands of holders.
*** - Top Clamp change is required when converting from SANDVIK®**
 # - Threadforms not available in other brands are available with TOOL-FLO.

TOOL-FLO

sales@toolflo.com
www.toolflo.com

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Telephone: (713) 941-1080, (800) 345-2815
FAX: (713) 941-8099, (800) 342-0992

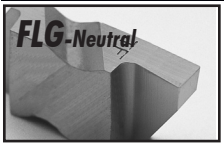
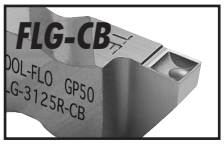
Flo-Lock Grade Crossover Chart

TOOL-FLO	KENNAMETAL®	SANDVIK®	VALENITE®	MITSUBISHI®
C3	K313/K68	H13A	VC29/VC3	MC11
AT3	KC5010	GC4125	VC929	F5010
AT22	KC5010	GC1125	VC929	F5010
AT50	KC5025	GC4125	VP5735/VC901	
GP3	KC730	GC1015/GC1025	VC929/VP5810	MC11H/U510
GP22	KC722	GC1020	VC927	
GP50	KC810/KC850	225G/GC1020	VN8/VN5/SV221	MC736

Recommended SFM for Grooving Applications

Workpiece Group	Uncoated	TiN PVD Coated			AlTiN PVD Coated		
	C3	GP22	GP3	GP50	AT22	AT3	AT50
Free Machining Carbon Steels	---	150-300	200-400	***200-600***	200-400	250-450	***400-800***
Plain Carbon Steels	---	150-300	200-400	***200-600***	200-400	250-450	***450-800***
Alloy Steels 190-330 HB	---	150-300	200-400	***200-500***	200-350	250-400	***400-800***
Alloy Steels 330-450 HB	---	150-300	200-350	***200-450***	200-350	250-400	***400-750***
Martensitic/Ferritic Stainless Steel 400 Series	---	150-300	200-400	***200-500***	200-400	250-450	***350-700***
Austenitic Stainless 300 Series	200-400	150-400	***200-500***	---	300-600	***250-700***	---
Gray Cast Iron 190-330 HB	100-375	150-400	***200-600***	---	300-600	***250-700***	---
Gray Cast Iron 330-450 HB	100-350	150-350	***200-500***	---	200-550	***250-600***	---
Alloy / Ductile Irons	100-350	150-300	200-400	***200-500***	250-450	200-450	***300-700***
Free Machining Aluminum Alloys	500-2000	150-2000	***300-2000***	---	600-2200	***600-2500***	---
High-Silicon Aluminum Alloys	---	---	---	---	---	---	---
Copper / Zinc / Brass	200-700	150-700	***200-900***	---	300-900	***400-1000***	---
Non-Metallics	400-1400	150-1500	***300-1500***	---	350-1200	400-1500	---
High Temperature Alloys 200-260 HB	80-130	100-175	100-200	---	80-200	100-250	---
High Temperature Alloys 260-450 HB	50-100	80-150	100-175	---	80-175	***100-200***	---
Titanium Alloys (Ti 6Al-4V)	100-200	100-250	150-300	---	80-300	***100-300***	---
Hardened Materials 48-65 HRC	---	---	---	---	---	***80-150***	---

Recommended Feed rate
inch/rev

Insert Rake Configuration	
	
.004-.010	.010-.014
.004-.010	.010-.014
.004-.010	.010-.014
.003-.009	.008-.012
.004-.010	.008-.014
.003-.006	.012-.008
.004-.010	---
.003-.009	---
.004-.010	.005-.014
.005-.012	.006-.016
.003-.006	---
.005-.012	.006-.016
.005-.012	---
.003-.006	.004-.007
.003-.006	.004-.007
.003-.006	.004-.008
.0015-.005	---

Bold print items denote the top choices for the materials listed, provided it can be machined within the SFM stated under the appropriate machining conditions. For the best performance in optimal machining conditions, select the grade that will provide you with the highest allowable SFM.