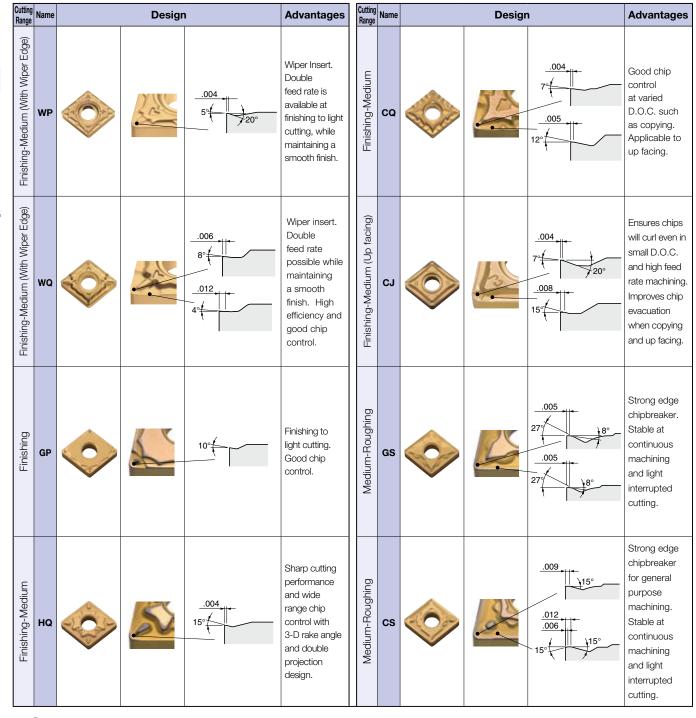
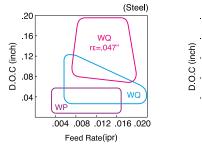
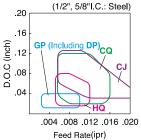
Steel

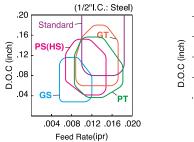
1 Molded Chipbreaker

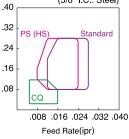


• Applicable Chipbreaker Range

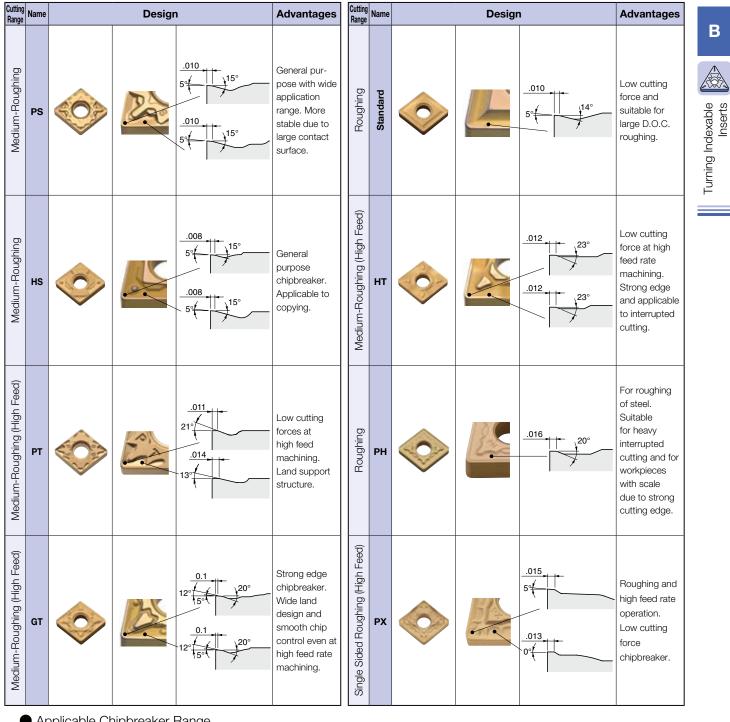




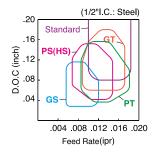


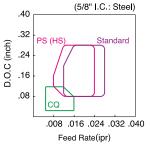


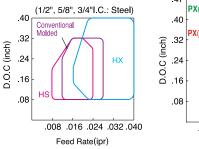
(5/8" I.C.: Steel)

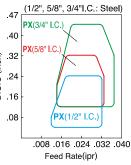




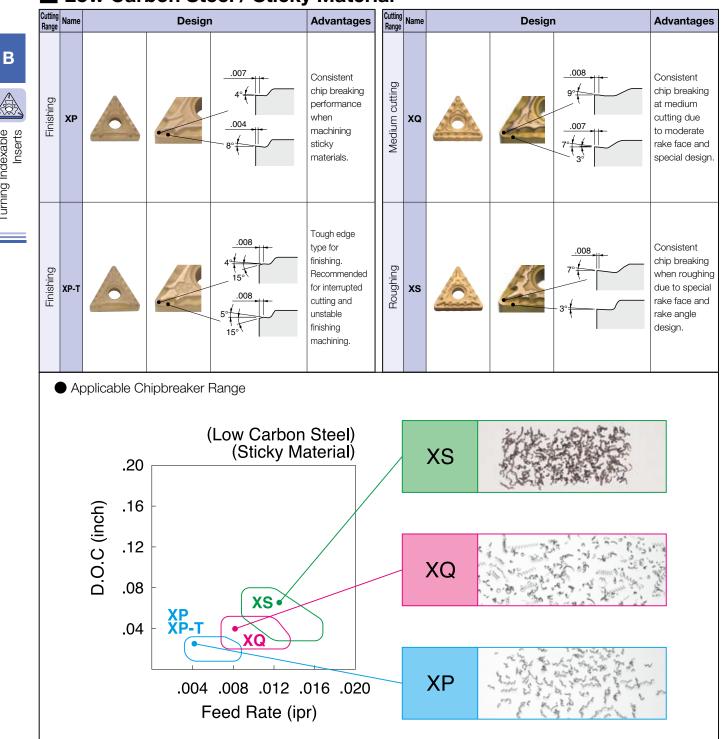




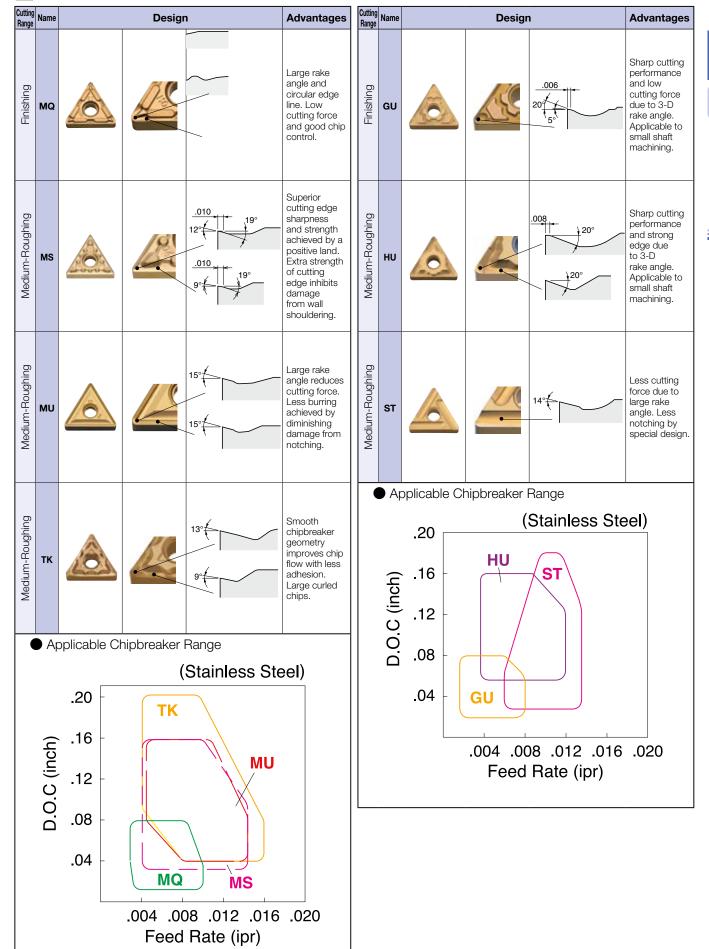




Chipbreaker Selection (Negative Inserts) [Low Carbon Steel / Sticky Material] Low Carbon Steel / Sticky Material



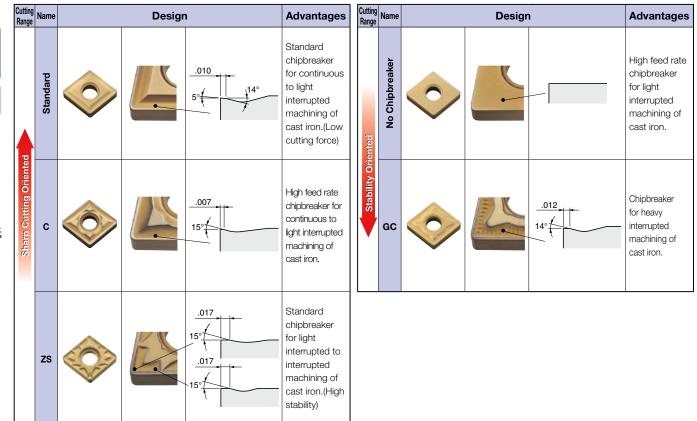
Stainless Steel



Turning Indexable Inserts

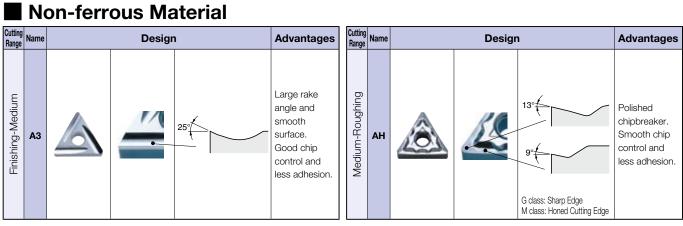
[Cast Iron]

Cast Iron

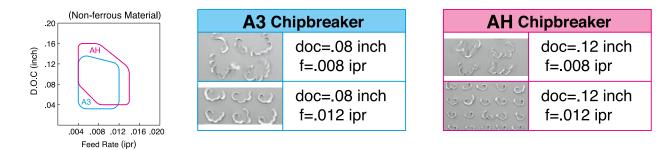


Chipbreaker Selection (Negative Inserts)

[Non-ferrous Material]



• Applicable Chipbreaker Range

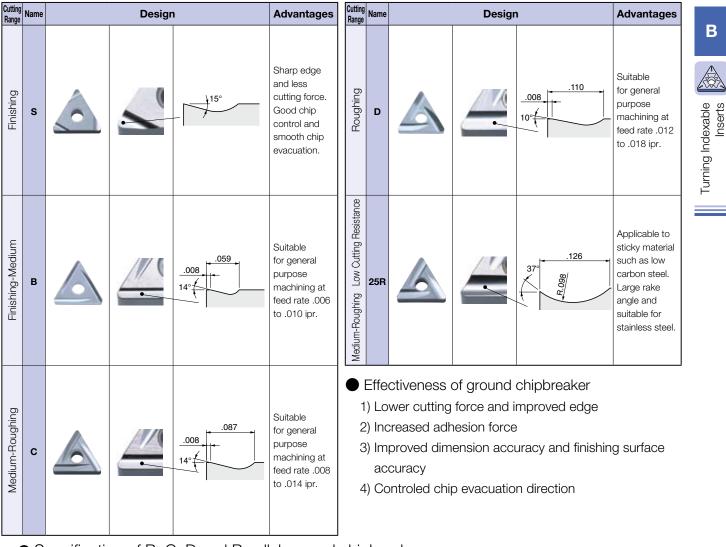


Turning Indexable

В

Steel

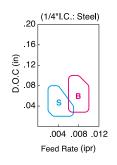
2 Ground Chipbreaker

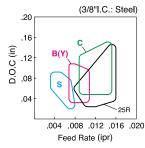


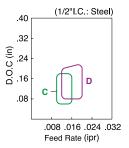
• Specification of B, C, D and Parallel ground chipbreaker

→ W	Insert Type	I.C. Size	Chipbreaker Name	W (in)	α	R (in)
→ 004~.008" ↓ R	CNGG	3/8,1/2	Without Indication (similar to C)	.087	14°	.040
	WNGG	3/8	Without Indication (similar to C)	.087	14°	.040
	TNGG	1/4,3/8	В	.060	14°	.020
		3/8,1/2	C	.087	14°	.040
		3/8,1/2	D	.110	10°	.060
	DNGG	3/8,1/2	Without Indication (similar to C)	.100	14°	.080
	VNGG	3/8	Without Indication (similar to B)	.060	14°	.020
	SNGG	3/8,1/2	В	.060	14°	.020
		1/2	С	.087	14°	.040

Applicable Chipbreaker Range







Chipbreaker Selection (Positive Insert)

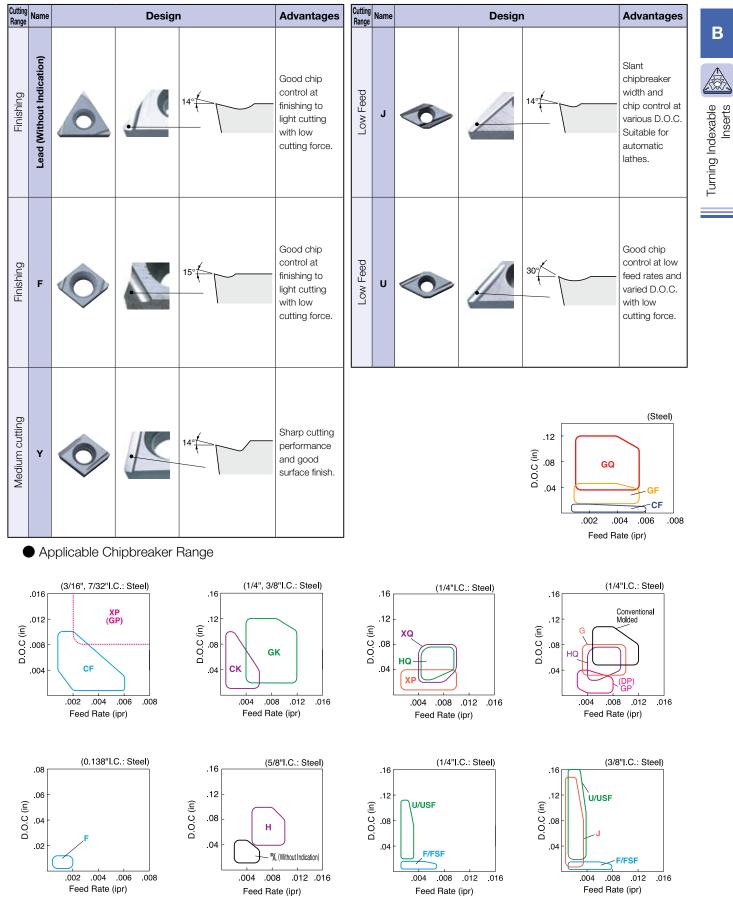
Steel

1 Molded Chipbreaker

Cutting Range	Name	Design		Advantages	Cutting Range Name			Desigi	Design		
Minute D.O.C.	CF			200	Available for minute D.O.C. (.0008008 inch) finishing.	Finishing	СК			20%	Good cutting performance. Applicable without hand for two direction cutting on automatic lathe.
Finishing	GF		4	7.5°	Dot located close to ridge line of cutting edge on corner. Chips fragmented in small pieces in cutting of small D.O.C.	Finishing	GP			20°	Good chip control at finishing. Applicable to sticky material like low carbon steel, pipe material.
Finishing-Medium	GQ		4	5°	Enables cutting over a wide range of conditions by using the optimum chipbreaker width according to the cutting depth.	Finishing	DP			140	Consistent chip breaking performance for finishing.
Finishing	ХР			200	Consistent chip breaking performance even for low carbon steel and sticky material.	Finishing-Medium	НQ				General purpose chipbreaker for medium cutting.
Finishing-Medium	XQ				Wide chip control range and sharp cutting performance. Suitable for low carbon steel and sticky material.	Medium cutting	G		4	.006 5° (10°	Chipbreaker for short chips at medium cutting.
Finishing-Medium	GK				Good chip evacuation at wide range by breaker dot and wide chip pocket.	Medium cutting	Standard (Without Indication)		<u>l</u>		Strong edge chipbreaker for medium cutting range.



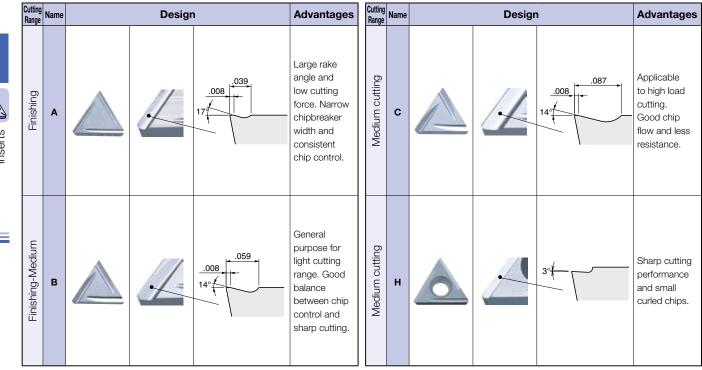
2 Ground Chipbreaker



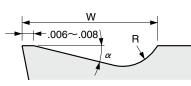
Chipbreaker Selection (Positive Insert)

[Steel / Stainless Steel]

2 Ground Chipbreaker

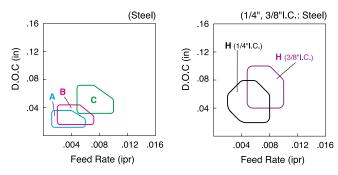


• Specification of A, B, C and Parallel ground chipbreaker

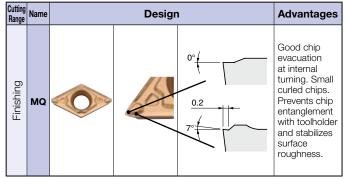


	Insert Type	I.C. Size	Chipbreaker Name	W (in)	α	R (in)
TPGR		1/4	A	.040	17°	.020
	1/4,3/8	В	.060	14°	.020	
		3/8	С	.087	14°	.040
		3/8	Without Indication (similar to B)	.060	14°	.020
	SPGR	1/2	Without Indication (similar to C)	.087	14°	.040

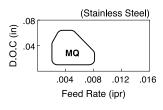
Applicable Chipbreaker Range

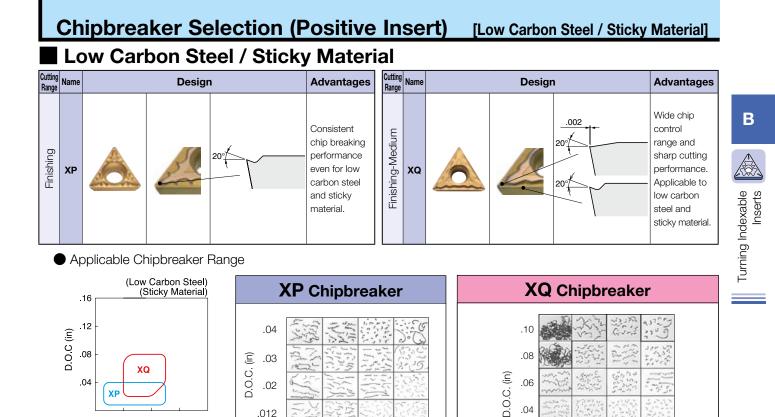


Stainless Steel



• Applicable Chipbreaker Range





Chipbreaker Selection (Positive Insert)

.02

.012

.004

.006

Feed Rate (ipr)

.008

.010

[Non-ferrous Material]

.008

.010

.006

Feed Rate (ipr)

.004

.04

.028

.02

Non-ferrous Material

XF

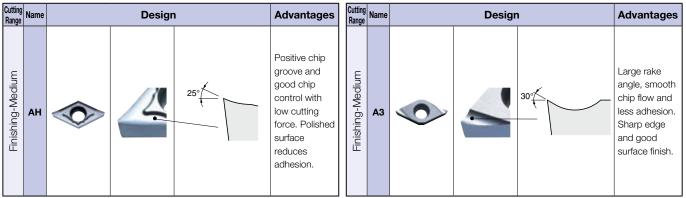
.004

.008

Feed Rate (ipr)

.012

.016



Applicable Chipbreaker Range

