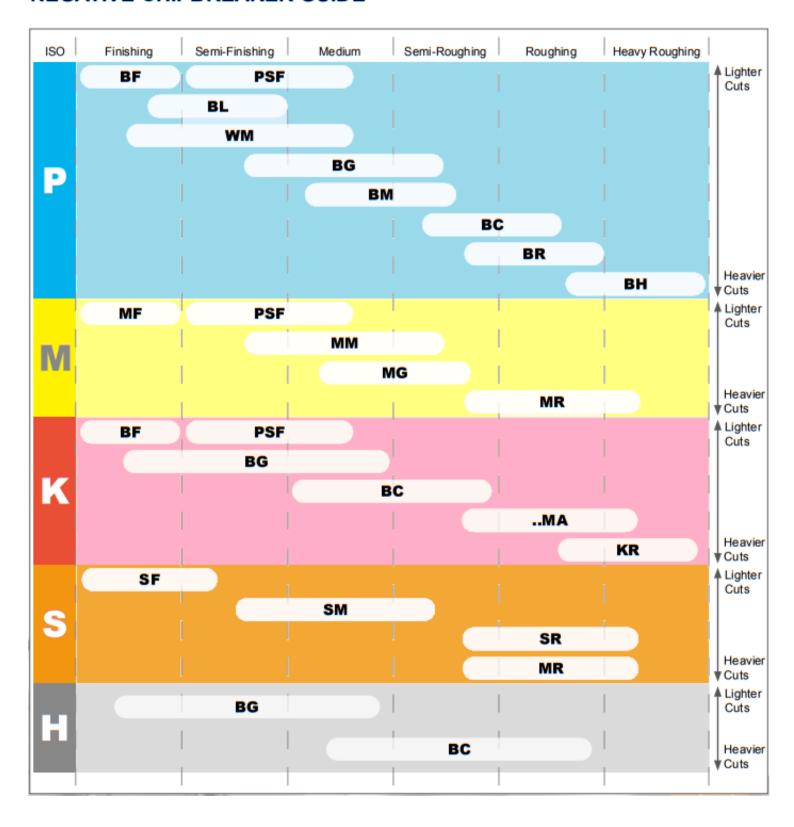
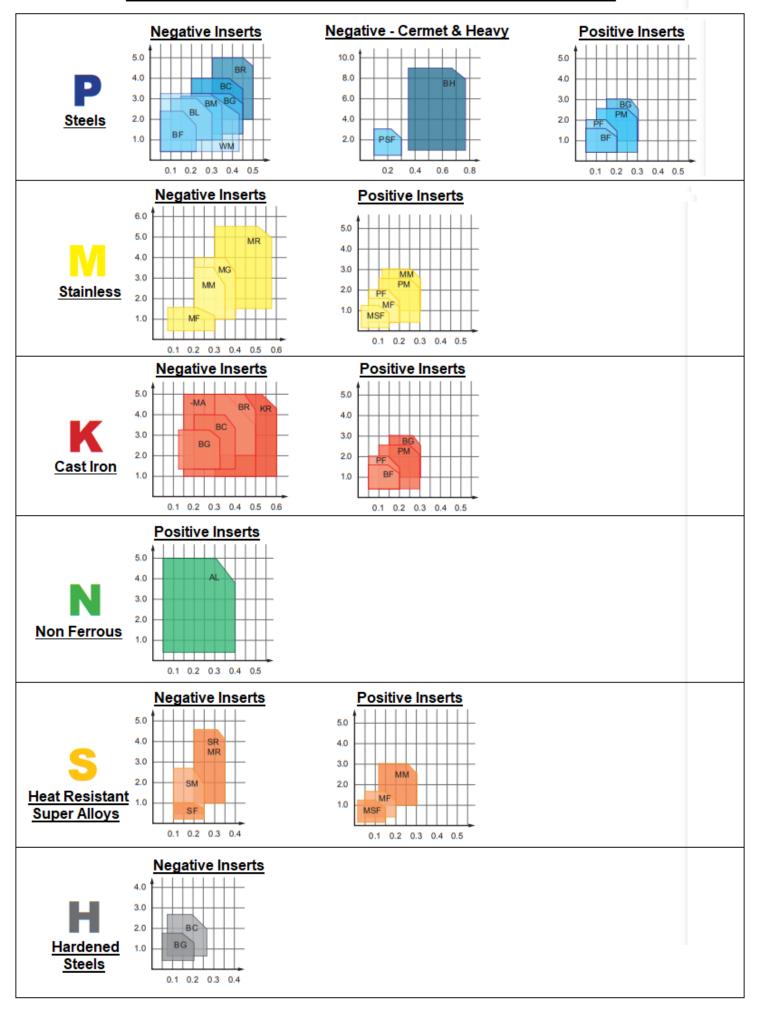
NEGATIVE CHIPBREAKER GUIDE



NEGATIVE CHIPBREAKER GUIDE

P	М	M K N S H NEGATIVE			P	М	K	N	s	н	NEGATIVE				
•	0					BF	Finishing		•			0		0.14 MF	Finishing of stainless steel
•						0.1 BL	Light cutting and sticky materials		•			0		0.17 MM	Medium cutting of stainless steel
•						0.13 BM	Medium cutting and unstable conditions		•			•		10° MG	Medium to difficult conditions in stainless steel and HRSA
•	0	•			•	023 BG	Medium cutting First choice		•			•		0.40 MR &←	Roughing of stainless steel and scale/skin HRSA
•		•			•	02 BC	Cast iron and medium roughing of steel	•	0					017 WM	Wiper geometry for improved surface finish in steel
•		•				0.35 BR	Roughing and interrupted cut	•	•	•				PSF	Cermet chipbreaker for semi-finishing to semi-medium cuts
•		•				0.32 BH	Heavy roughing					•		20° 0.60 Flank	Finishing of clean HRSA material
		•				MA	Cast iron heavy roughing Flat insert type		0			•		25° 0.50 Corner 15° 0.50 Flank	Medium cutting of clean HRSA material
		•				5/ 0.50 KR	Cast iron heavy roughing and interrupted cut		0			•		8°-(Roughing of clean HRSA material

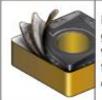
Chipbreaker Feeds & Depth of Cut Map



INSERT GRADES

K05 - K15	ET101C First choice for stable turning of cast iron CVD TiCN - Al ₂ O ₃	P10 - P20 M05 - M20 S10 - S20	ET21P Optimised grade for cutting of stainless steel at high cutting speeds. PVD Coated
P05 - P20 K15 - K35 H05 - H10	ET31C First choice for high speed finishing of steels and ductile cast iron. CVD TiCN - Al ₂ O ₃	M15 - M35	ET225C Optimised grade for cutting of stainless steel high speeds and feed rate CVD Coated
P10 - P25	ET315C Balanced grade for continuous cutting of steels. CVD TiCN - Al ₂ O ₃	M20 - M35	ET23P First choice for stable turning of stainless steel. PVD Coated
P15 - P30	ET32C Versatile grade for general turning of steels. CVD TiCN - Al ₂ O ₃	M30 - M40 S30 - S50	ET24P Optimised grade for interrupted cutting of stainless steel and skin & scale cuts in HRSA. PVD Coated
P20 - P35 M20 - M30	ET33C Tough grade for turning of stainless steel and interrupted cutting of steel. CVD TiCN - Al ₂ O ₃	M05 - M15 S05 - S15	ET41P Optimised grade for clean HRSA materials. PVD Coated
N05 - N35	ET10D First choice for high speed turning of aluminium, and Si >10% TaC Diamond Coated	P10 - P20 M10 - M20 K10 - K20	CT10U Cermet grade for finishing, semi-finishing and medium cutting Uncoated
N05 - N35	ET10U Polished face for general turning of aluminium. Uncoated	P10 - P30 M20 - M30 K20 - K30 H20 - H30	ET801 Turning grade for mid and low cutting conditions in most steels, cast iron and some stainless steels PVD Coated

COATING



Multi-layer CVD coated grades are finished with a special process to enable smoother chip flow.



Single layer PVD coated grades are designed to balance edge strength with extended tool life.



TaC Diamond coated inserts maintain sharp cutting edge due to coating thickness of ≤ 1 µm and highly polished face.