Selection of Sumitomo Grades (Turning)

Insert Selection

According to Work Materials and Applications

	P Gen	eral Steel	(Carbon S	Steel, Allo	y Steel), S	Soft Steel	M		Stair	less St	eel		K			Cast Ir	on	
Cutting Process	High-Speed	•	to Light	Medium		to Heavy	High-Speed		g to Light	Medium	Rough	to Heavy	High-Sp		nishing		Medium	
	Wear Resist				· · · · ·	e Resistance	Wear Resist					ire Resistance	Wear Re					acture Resista
ISO Classification		P01 805P)P	P20	P30 P	P40 7 80P	_	M01	<u>M10</u> C610M New ₹	M20 AC60 New AC630	ACE	5040M /			C405K		5K	420K
Coated Cermet	New		1500	Z T300	00Z /	7						AC530U						
Cermet	the	1000A	A/ T15()0A /				/T1000A	7 / <mark>T1500A</mark> /				₹ <mark>N</mark>	₩ ≱ T1000	A			
Carbide			ST10P/	ST20E/	<mark>/ A30</mark> /											610E		
Uncoated CBN Coated CBN													B	VC5	BN70 BN50	/	BN	<mark> \$800</mark>
Cutting Process	S Exotic Alloy					H Hardened Steel					Non-Ferrous Metal Sintered Component							
	High-Speed Light Medium Wear Resistance				Desistants	High-Speed Light Medium										Medium		
ISO Classification		S01	I S	10 :	S20	S30	wear Resis	HO'	1 Н	10 I	H20	H30			0 N20 N3			→ Fracture Res 0 20 3
Coated Carbide			AC510															AC510U
Cermet															2	New.	000A /	/
Carbide			EH51(D EH5	20										H1/	1		
Coated CBN						₹ <mark>Nev</mark>		IC201	BN 7	C2020 C1607 BNC2		BNC300						
		B	N700	0			/ BN	1000 / Bl	7 N200		BNX20					BN7	500	
Uncoated CBN			ſ	NS80	00		BNX10	7				BN350 BNX25					BN	7000