



# MACHINING CONDITIONS

WNMG 060408 NX LT 1120M

T0004758

Material Group	SAPPHIRE CUTTING TOOLS Group	Material Example	Hardness	D.O.C		Feed		Amax		Vc		Advised D.O.C	Advised Feed	Advised Vc
				min[mm]	max[mm]	min[mm/t]	max [mm/t]	[mm^2]	min [m/min]	max [m/min]	[mm]			
Stainless Steel	Austentic	4	304, 316, X5CrNi18-9	180 HB	0.5	2.5	0.18	0.4	0.76	90	270	1.8	0.24	190
				240 HB	0.5	2.5	0.18	0.4	0.63	80	220	1.8	0.21	170
Stainless Steel	Duplex	5	X2CrNiN23-4, S31500	290 HB	0.5	2	0.16	0.35	0.5	40	150	1.5	0.23	100
				310 HB	0.5	2	0.16	0.35	0.5	40	140	1.5	0.23	90
Stainless Steel	Ferritic & Martensitic	6	410, X6Cr17, 17-4 PH, 430	200 HB	0.5	2.5	0.16	0.4	0.44	90	250	1.5	0.19	190
				42 HRc	0.5	2	0.16	0.4	0.44	60	190	1.3	0.19	130