


CUTTING CONDITIONS

Milling | Endmills | Cutting conditions


SI-WH-WRESF

Side milling

	Cast Iron FC250		Mild Steels • Carbon Steels S5400 - S50C		~ 30HRC SCM-SKT-SKS-SKD		~ 45 HRC SKD-NAK80		Stainless Steel SUS304		Titanium Alloy Ti-6Al-4V	
	S (min ⁻¹)	F (mm/min)	S (min ⁻¹)	F (mm/min)	S (min ⁻¹)	F (mm/min)	S (min ⁻¹)	F (mm/min)	S (min ⁻¹)	F (mm/min)	S (min ⁻¹)	F (mm/min)
6	2.920	300	3.450	300	2.650	210	2.390	170	1.860	130	1.330	80
8	2.190	340	2.590	350	1.990	240	1.790	190	1.390	150	990	90
10	1.750	380	2.070	390	1.590	270	1.430	220	1.110	170	800	110
12	1.460	410	1.720	420	1.330	290	1.190	230	930	180	660	110
16	1.090	480	1.290	490	990	340	900	270	700	210	500	130
20	880	510	1.030	520	800	360	720	290	560	230	400	140
25	700	490	830	510	640	350	570	280	450	220	320	140


Max cutting depth

ap	ae
≤15	≤0,5D



SI-WH-WRESF

Slotting

	Cast Iron FC250		Mild Steels • Carbon Steels SS400 - SS50C		~ 30HRC SCM-SKT-SKS-SKD		~ 45 HRC SKD-NAK80		Stainless Steel SUS304		Titanium Alloy Ti-6Al-4V	
	S (min ⁻¹)	F (mm/min)	S (min ⁻¹)	F (mm/min)	S (min ⁻¹)	F (mm/min)	S (min ⁻¹)	F (mm/min)	S (min ⁻¹)	F (mm/min)	S (min ⁻¹)	F (mm/min)
6	2.390	160	2.650	160	2.120	110	1.860	90	1.330	60	800	30
8	1.790	200	1.990	190	1.590	140	1.390	110	990	80	600	40
10	1.430	220	1.590	210	1.270	150	1.110	120	800	80	480	40
12	1.190	230	1.330	220	1.060	160	930	120	660	90	400	50
16	900	270	990	260	800	190	700	150	500	110	300	60
20	720	290	800	280	640	210	560	160	400	110	240	60
25	570	280	640	280	510	200	450	150	320	110	190	60

Max cutting depth

ap	≤1D
ap Max	20 mm

