Material Group		Cutting Speed — vc m/min																	
		C2			C25			C3			CG5			CG55			CG6		
		min	Start	max	min	Start	max	min	Start	max	min	Start	max	min	Start	max	min	Start	max
P	ap [mm]	–	–	–	–	–	–	–	–	–	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300
	f [mm/rev]	–	–	–	–	–	–	–	–	–	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300
	0/1	–	–	–	–	–	–	–	–	–	95	**115**	140	105	**130**	155	125	**155**	190
	2	–	–	–	–	–	–	–	–	–	60	**75**	90	65	**85**	100	80	**100**	125
	3	–	–	–	–	–	–	–	–	–	60	**75**	90	65	**85**	100	80	**100**	125
	4	–	–	–	–	–	–	–	–	–	45	**60**	70	50	**65**	80	65	**80**	95
	5	–	–	–	–	–	–	–	–	–	60	**75**	90	65	**85**	100	80	**100**	125
	6	–	–	–	–	–	–	–	–	–	40	**50**	60	45	**55**	70	55	**65**	80
M	ap [mm]	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300
	f [mm/rev]	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300
	1	55	**70**	80	60	**80**	95	60	**80**	95	75	**90**	110	80	**100**	120	95	**115**	140
	2	50	**60**	75	55	**70**	85	55	**70**	85	65	**80**	100	75	**90**	110	85	**105**	125
	3	35	**45**	55	45	**50**	65	45	**50**	65	50	**60**	75	55	**65**	80	60	**80**	95
K	ap [mm]	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300
	f [mm/rev]	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300
	1	50	**65**	80	60	**70**	85	60	**70**	85	60	**75**	90	65	**80**	100	75	**90**	110
	2	65	**80**	100	75	**90**	110	75	**90**	110	75	**95**	115	85	**105**	125	95	**115**	140
	3	50	**60**	75	55	**65**	80	55	**65**	80	55	**70**	80	60	**75**	90	65	**85**	100
N	ap [mm]	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	–	–	–
	f [mm/rev]	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	–	–	–
	1	400	**505**	605	400	**505**	605	400	**505**	605	400	**505**	605	445	**555**	665	–	–	–
	2	295	**370**	440	295	**370**	445	295	**370**	445	295	**370**	445	325	**405**	490	–	–	–
	3	70	**85**	105	70	**85**	105	70	**85**	105	85	**105**	125	90	**115**	135	–	–	–
	4	310	**380**	465	310	**385**	465	310	**385**	465	140	**175**	210	155	**190**	230	–	–	–
	5	145	**185**	220	145	**185**	220	145	**185**	220	175	**220**	265	195	**240**	290	–	–	–
	6	140	**175**	210	140	**175**	210	140	**175**	210	170	**210**	255	185	**235**	280	–	–	–
	7	240	**295**	355	240	**300**	360	240	**300**	360	245	**305**	365	265	**335**	400	–	–	–
S	ap [mm]	0,025	–	0,200	0,025	–	0,200	0,025	–	0,200	0,025	–	0,200	0,025	–	0,200	–	–	–
	f [mm/rev]	0,025	–	0,127	0,025	–	0,127	0,025	–	0,127	0,025	–	0,127	0,025	–	0,127	–	–	–
	1	30	**35**	45	30	**35**	45	30	**35**	45	30	**35**	45	35	**40**	50	–	–	–
	2	25	**30**	35	25	**30**	35	25	**30**	35	25	**30**	35	25	**35**	40	–	–	–
	3	25	**30**	35	25	**30**	35	25	**30**	35	30	**40**	50	35	**45**	55	–	–	–
	4	25	**30**	35	25	**30**	35	25	**30**	35	–	–	–	–	–	–	–	–	–
H	ap [mm]	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	f [mm/rev]	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

NOTE: Speed and feed rates and depth of cut may vary depending on materials and machining conditions including, but not limited to, tool overhang, tool size, and finished surface requirements.

		Cutting Speed — vc m/min														
		CM1			ALO			TN7			CBN6			CPD1		
	Material Group	min	Start	max	min	Start	max	min	Start	max	min	Start	max	min	Start	max
P	ap [mm]	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	–	–	–	–	–	–
	f [mm/rev]	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	–	–	–	–	–	–
	0/1	55	**65**	80	165	**205**	245	200	**245**	295	–	–	–	–	–	–
	2	35	**45**	55	105	**135**	160	130	**160**	190	–	–	–	–	–	–
	3	35	**45**	55	105	**135**	160	130	**160**	190	–	–	–	–	–	–
	4	25	**35**	40	85	**105**	125	100	**125**	150	–	–	–	–	–	–
	5	35	**45**	55	105	**135**	160	130	**160**	190	–	–	–	–	–	–
	6	25	**30**	35	70	**90**	105	85	**105**	130	–	–	–	–	–	–
M	ap [mm]	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	–	–	–	–	–	–
	f [mm/rev]	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	–	–	–	–	–	–
	1	55	**65**	80	105	**130**	160	105	**130**	155	–	–	–	–	–	–
	2	50	**60**	75	95	**120**	145	95	**115**	140	–	–	–	–	–	–
	3	35	**45**	55	70	**90**	110	70	**85**	105	–	–	–	–	–	–
K	ap [mm]	0,051	–	0,300	0,051	–	0,300	0,051	–	0,300	–	–	–	–	–	–
	f [mm/rev]	0,025	–	0,300	0,025	–	0,300	0,025	–	0,300	–	–	–	–	–	–
	1	45	**60**	70	125	**155**	185	80	**105**	125	–	–	–	–	–	–
	2	60	**75**	90	160	**200**	240	105	**130**	160	–	–	–	–	–	–
	3	45	**55**	65	115	**145**	170	80	**95**	115	–	–	–	–	–	–
N	ap [mm]	0,051	–	0,300	–	–	–	0,051	–	0,300	–	–	–	0,051	–	0,300
	f [mm/rev]	0,025	–	0,300	–	–	–	0,025	–	0,300	–	–	–	0,025	–	0,300
	1	400	**505**	605	–	–	–	400	**505**	605	–	–	–	855	**1065**	1280
	2	295	**370**	445	–	–	–	295	**370**	445	–	–	–	650	**810**	975
	3	70	**85**	105	–	–	–	80	**100**	120	–	–	–	365	**455**	550
	4	100	**125**	150	–	–	–	195	**240**	290	–	–	–	325	**405**	490
	5	145	**185**	220	–	–	–	195	**245**	295	–	–	–	340	**425**	510
	6	140	**175**	210	–	–	–	175	**220**	265	–	–	–	335	**420**	505
	7	240	**295**	360	–	–	–	240	**300**	365	–	–	–	525	**660**	790
S	ap [mm]	0,025	–	0,200	–	–	–	–	–	–	0,025	–	0,200	–	–	–
	f [mm/rev]	0,025	–	0,127	–	–	–	–	–	–	0,025	–	0,127	–	–	–
	1	25	**30**	40	–	–	–	–	–	–	90	**110**	135	–	–	–
	2	20	**25**	30	–	–	–	–	–	–	70	**85**	105	–	–	–
	3	25	**35**	40	–	–	–	–	–	–	100	**120**	145	–	–	–
	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
H	ap [mm]	–	–	–	–	–	–	–	–	–	0,025	–	0,200	–	–	–
	f [mm/rev]	–	–	–	–	–	–	–	–	–	0,025	–	0,127	–	–	–
	1	–	–	–	–	–	–	–	–	–	110	**135**	165	–	–	–
	2	–	–	–	–	–	–	–	–	–	105	**130**	155	–	–	–
	3	–	–	–	–	–	–	–	–	–	100	**120**	145	–	–	–
	4	–	–	–	–	–	–	–	–	–	90	**110**	135	–	–	–

NOTE: Speed and feed rates and depth of cut may vary depending on materials and machining conditions including, but not limited to, tool overhang, tool size, and finished surface requirements.