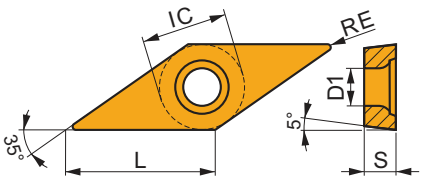
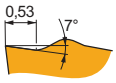
VBMT

PRAMET

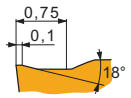
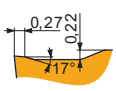
	IC	D1	L	S
	[mm]	[mm]	[mm]	[mm]
1102	6.350	2.80	11.10	2.38
1103	6.350	2.80	11.10	3.18
1604	9.525	4.40	16.60	4.76



Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

Product		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		[mm]	[m/min]	[mm/rev]	[mm]	[m/min]	[mm/rev]	[mm]	[m/min]	[mm/rev]	[mm]	[m/min]	[mm/rev]	[mm]	[m/min]	[mm/rev]	[mm]	[m/min]	[mm/rev]	[mm]
			U		E															
FF2 geometry with positive design for fine-finish to finish machining, and continuous to slightly interrupted cuts.																				
VBMT 160404E-FF2	**T7325**	0.4	145	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	125	0.12	0.8	–	–	–	115	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	150	0.12	0.8	–	–	–	125	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	215	0.12	0.8	–	–	–	200	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	190	0.12	0.8	–	–	–	180	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9335	0.4	160	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			1		E															
FM geometry for finish to semi-rough machining, and continuous to slightly interrupted cuts.																				
VBMT 110302E-FM	**T7325**	0.2	160	0.10	0.8	120	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.2	145	0.10	0.8	85	0.09	0.8	135	0.10	0.8	435	0.12	0.8	–	–	–	–	–	–
	T8330	0.2	135	0.10	0.8	80	0.09	0.8	125	0.10	0.8	405	0.12	0.8	–	–	–	–	–	–
	T8430	0.2	170	0.10	0.8	90	0.09	0.8	135	0.10	0.8	465	0.12	0.8	–	–	–	–	–	–
	T9325	0.2	210	0.10	0.8	125	0.09	0.8	195	0.10	0.8	–	–	–	–	–	–	–	–	–
VBMT 110304E-FM	**T7325**	0.4	140	0.19	0.8	105	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	135	0.19	0.8	105	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	145	0.12	0.8	85	0.11	0.8	135	0.12	0.8	435	0.14	0.8	–	–	–	–	–	–
	T8330	0.4	140	0.12	0.8	80	0.11	0.8	130	0.12	0.8	420	0.14	0.8	–	–	–	–	–	–
	T8430	0.4	170	0.12	0.8	90	0.11	0.8	135	0.12	0.8	465	0.14	0.8	–	–	–	–	–	–
	T9315	0.4	235	0.12	0.8	–	–	–	220	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	175	0.19	0.8	105	0.17	0.8	165	0.19	0.8	–	–	–	–	–	–	–	–	–
VBMT 110308E-FM	**T7325**	0.8	170	0.17	0.8	130	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	150	0.17	0.8	90	0.15	0.8	140	0.17	0.8	450	0.20	0.8	–	–	–	–	–	–
	T8430	0.8	175	0.17	0.8	95	0.15	0.8	140	0.17	0.8	480	0.20	0.8	–	–	–	–	–	–
	T9315	0.8	240	0.17	0.8	–	–	–	225	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	215	0.17	0.8	125	0.15	0.8	200	0.17	0.8	–	–	–	–	–	–	–	–	–
VBMT 160402E-FM	**T7325**	0.2	150	0.10	1.2	115	0.09	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.10	1.2	75	0.09	1.2	120	0.10	1.2	390	0.12	1.2	–	–	–	–	–	–
	T8430	0.2	165	0.10	1.2	90	0.09	1.2	135	0.10	1.2	450	0.12	1.2	–	–	–	–	–	–
	T9315	0.2	230	0.10	1.2	–	–	–	215	0.10	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.2	205	0.10	1.2	120	0.09	1.2	190	0.10	1.2	–	–	–	–	–	–	–	–	–
VBMT 160404E-FM	**T5315**	0.4	225	0.12	1.2	–	–	–	210	0.12	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.4	130	0.19	1.2	100	0.17	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	130	0.19	1.2	100	0.17	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	140	0.12	1.2	80	0.11	1.2	130	0.12	1.2	420	0.14	1.2	–	–	–	–	–	–
	T8330	0.4	135	0.12	1.2	80	0.11	1.2	125	0.12	1.2	405	0.14	1.2	–	–	–	–	–	–
	T8430	0.4	165	0.12	1.2	90	0.11	1.2	135	0.12	1.2	450	0.14	1.2	–	–	–	–	–	–
	T9315	0.4	225	0.12	1.2	–	–	–	210	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	165	0.19	1.2	95	0.17	1.2	155	0.19	1.2	–	–	–	–	–	–	–	–	–

Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

Product		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		[mm]	[m/min]	[mm/rev]	[mm]	[m/min]	[mm/rev]	[mm]	[m/min]	[mm/rev]	[mm]	[m/min]	[mm/rev]	[mm]	[m/min]	[mm/rev]	[mm]	[m/min]	[mm/rev]	[mm]
																				
			FM geometry for finish to semi-rough machining, and continuous to slightly interrupted cuts.																	
VBMT 160408E-FM	**T5315**	0.8	235	0.17	1.2	–	–	–	220	0.17	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.8	165	0.17	1.2	125	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	160	0.17	1.2	120	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	150	0.17	1.2	90	0.15	1.2	140	0.17	1.2	450	0.20	1.2	–	–	–	–	–	–
	T8330	0.8	145	0.17	1.2	85	0.15	1.2	135	0.17	1.2	435	0.20	1.2	–	–	–	–	–	–
	T8430	0.8	170	0.17	1.2	90	0.15	1.2	135	0.17	1.2	465	0.20	1.2	–	–	–	–	–	–
	T9310	0.8	255	0.17	1.2	–	–	–	240	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.8	230	0.17	1.2	–	–	–	215	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	205	0.17	1.2	120	0.15	1.2	190	0.17	1.2	–	–	–	–	–	–	–	–	–
VBMT 160412E-FM	**T7325**	1.2	160	0.22	1.2	120	0.22	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	1.2	140	0.22	1.2	80	0.22	1.2	130	0.22	1.2	420	0.26	1.2	–	–	–	–	–	–
	T8430	1.2	155	0.22	1.2	85	0.22	1.2	130	0.22	1.2	435	0.26	1.2	–	–	–	–	–	–
	T9315	1.2	215	0.22	1.2	–	–	–	200	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9325	1.2	195	0.22	1.2	115	0.22	1.2	185	0.22	1.2	–	–	–	–	–	–	–	–	–
																				
			FM2 geometry for finish to medium machining, and continuous to interrupted cuts.																	
VBMT 160404E-FM2	**T6310**	0.4	120	0.12	1.2	85	0.11	1.2	95	0.12	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.4	140	0.12	1.2	105	0.11	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	125	0.12	1.2	75	0.11	1.2	115	0.12	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.4	145	0.12	1.2	80	0.11	1.2	120	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.4	200	0.12	1.2	–	–	–	190	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	185	0.12	1.2	110	0.11	1.2	175	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9335	0.4	155	0.12	1.2	90	0.11	1.2	–	–	–	–	–	–	–	–	–	–	–	–
VBMT 160408E-FM2	**T6310**	0.8	125	0.20	1.2	90	0.18	1.2	100	0.20	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.8	145	0.20	1.2	110	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	125	0.20	1.2	75	0.18	1.2	115	0.20	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.8	140	0.20	1.2	75	0.18	1.2	115	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.8	195	0.20	1.2	–	–	–	185	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	175	0.20	1.2	105	0.18	1.2	165	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9335	0.8	150	0.20	1.2	90	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
VBMT 160412E-FM2	**T8430**	1.2	145	0.22	1.2	80	0.20	1.2	120	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9315	1.2	195	0.22	1.2	–	–	–	185	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9325	1.2	175	0.22	1.2	105	0.20	1.2	165	0.22	1.2	–	–	–	–	–	–	–	–	–
																				
			RM geometry for semi-rough to rough machining, and continuous to interrupted cuts.																	
VBMT 160404E-RM	**T5305**	0.4	270	0.12	1.2	–	–	–	255	0.12	1.2	–	–	–	–	–	–	50	0.15	1.0
	T5315	0.4	235	0.12	1.2	–	–	–	220	0.12	1.2	–	–	–	–	–	–	45	0.15	1.0
	T7335	0.4	140	0.18	1.2	105	0.16	1.2	–	–	–	–	–	–	45	0.16	1.0	–	–	–
	T8330	0.4	140	0.12	1.2	80	0.11	1.2	130	0.12	1.2	–	–	–	35	0.11	1.0	25	0.15	1.0
	T8430	0.4	170	0.12	1.2	90	0.11	1.2	135	0.12	1.2	–	–	–	35	0.11	1.0	25	0.15	1.0
	T9315	0.4	235	0.12	1.2	–	–	–	220	0.12	1.2	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.4	170	0.20	1.2	100	0.18	1.2	160	0.20	1.2	–	–	–	35	0.18	1.0	–	–	–
VBMT 160408E-RM	**T5305**	0.8	285	0.17	1.2	–	–	–	270	0.17	1.2	–	–	–	–	–	–	55	0.15	1.0
	T5315	0.8	250	0.17	1.2	–	–	–	235	0.17	1.2	–	–	–	–	–	–	50	0.15	1.0
	T7335	0.8	155	0.20	1.2	120	0.18	1.2	–	–	–	–	–	–	50	0.18	1.0	–	–	–
	T8330	0.8	150	0.17	1.2	90	0.15	1.2	140	0.17	1.2	–	–	–	35	0.12	1.0	30	0.15	1.0
	T8430	0.8	175	0.17	1.2	95	0.15	1.2	140	0.17	1.2	–	–	–	35	0.12	1.0	30	0.15	1.0
	T9315	0.8	240	0.17	1.2	–	–	–	225	0.17	1.2	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.8	200	0.20	1.2	120	0.18	1.2	190	0.20	1.2	–	–	–	45	0.18	1.0	–	–	–