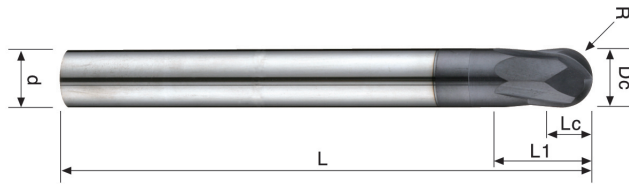
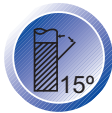




Ball Nose End Mills



VERTEX®



Long Length(Order No. VBB61-Dia)

Unit:mm

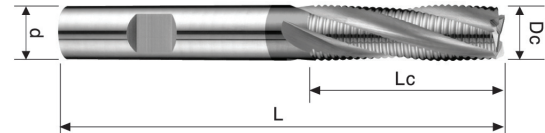
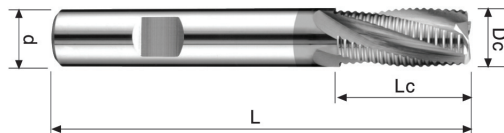
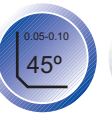
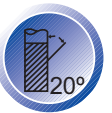
ORDER NO.	Dc h10	R ±0.01	Lc mm	L mm	d h6	L1 mm	CODE NO.
VBB61-1.0	1.0	0.50R	1.0	50	4	2	6008-220
VBB61-1.5	1.5	0.75R	1.5	50	4	3	6008-221
VBB61-2.0	2.0	1.00R	2.0	60	6	4	6008-222
VBB61-3.0	3.0	1.50R	3.0	70	6	6	6008-223
VBB61-4.0	4.0	2.00R	4.0	70	6	8	6008-224
VBB61-5.0	5.0	2.50R	5.0	80	6	10	6008-225
VBB61-6.0	6.0	3.00R	6.0	80	6	12	6008-226
VBB61-8.0	8.0	4.00R	8.0	100	8	16	6008-227
VBB61-10.0	10.0	5.00R	10.0	100	10	20	6008-228
VBB61-12.0	12.0	6.00R	12.0	110	12	24	6008-229

Work Material / Velocity m/min

GR.3 Hardened steels < 48 HRC	GR.4 Hardened steels 48-56 HRC	GR.5 Hardened steels 56-68 HRC	GR.6 Iron
120-350	100-210	30-120	80-350



Roughing End Mills



Work Material / Velocity m/min

GR.1 Non alloyed steels Alloyed Steels	GR.2 Heat resistant steels Stainless steels	GR.3 Hardened steels < 48 HRC	GR.4 Hardened steels 48-56 HRC	GR.6 Iron	GR.7 Titanium	GR.8 Nickel
100-180	40-80	80-140	60-100	100-180	20-50	30-50

Standard Length(Order No. VFF08-Dia)

Unit:mm

ORDER NO.	Dc h10	Lc mm	L mm	d h5	CODE NO.
VFF08-6	6	13	57	6	2008-240
VFF08-8	8	19	63	8	2008-241
VFF08-10	10	22	72	10	2008-242
VFF08-12	12	26	83	12	2008-243
VFF08-14	14	26	83	14	2008-244
VFF08-16	16	32	92	16	2008-245
VFF08-18	18	32	92	18	2008-246
VFF08-20	20	38	104	20	2008-247

Long Length(Order No. VFF09-Dia)

Unit:mm

ORDER NO.	Dc h10	Lc mm	L mm	d h5	CODE NO.
VFF09-6	6	19	63	6	2008-260
VFF09-8	8	28	72	8	2008-261
VFF09-10	10	34	84	10	2008-262
VFF09-12	12	40	97	12	2008-263
VFF09-16	16	48	108	16	2008-264
VFF09-20	20	56	122	20	2008-265