

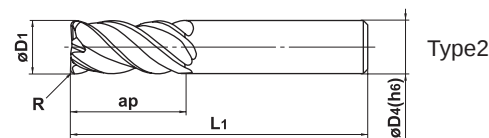
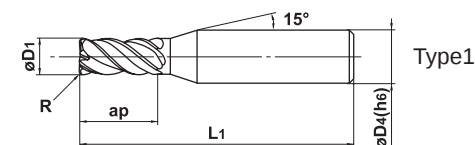
VQ END MILLS

VQM HVRB

Corner radius end mill, Medium cut length, 4 flute, Irregular helix flutes



Carbon Steel, Alloy Steel, Cast Iron (≤30HRC)	Tool Steel, Pre-Hardened Steel, Hardened Steel (≤45HRC)	Hardened Steel (≤55HRC)	Hardened Steel (>55HRC)	Austenitic Stainless Steel	Titanium Alloy, Heat Resistant Alloy	Copper Alloy	Aluminium Alloy
◎	○			◎	◎	○	



R	0.2 ≤ R ≤ 6.35				
	±0.015				
D1	D1 ≤ 12	D1 > 12			
	0 - 0.020	0 - 0.030			
h6	4 ≤ D4 ≤ 6	8 ≤ D4 ≤ 10	12 ≤ D4 ≤ 16	D4 = 20	
	0 - 0.008	0 - 0.009	0 - 0.011	0 - 0.013	

- VQ vibration control end mills for reduced chattering, a stable performance on difficult-to-cut materials and long overhang applications.

Unit : mm

Order Number	D1	R	ap	L1	D4	Flutes	Stock	Type
VQM HVRBD0200R020	2	0.2	4	45	4	4	●	1
D0200R030	2	0.3	4	45	4	4	●	1
D0300R020	3	0.2	8	45	6	4	●	1
D0300R030	3	0.3	8	45	6	4	●	1
D0300R050	3	0.5	8	45	6	4	●	1
D0400R020	4	0.2	11	45	6	4	●	1
D0400R030	4	0.3	11	45	6	4	●	1
D0400R050	4	0.5	11	45	6	4	●	1
D0500R020	5	0.2	13	50	6	4	●	1
D0500R030	5	0.3	13	50	6	4	●	1
D0500R050	5	0.5	13	50	6	4	●	1
D0500R100	5	1	13	50	6	4	●	1
D0600R030	6	0.3	13	50	6	4	●	2
D0600R050	6	0.5	13	50	6	4	●	2
D0600R100	6	1	13	50	6	4	●	2
D0800R030	8	0.3	19	60	8	4	●	2
D0800R050	8	0.5	19	60	8	4	●	2
D0800R100	8	1	19	60	8	4	●	2
D0800R150	8	1.5	19	60	8	4	●	2
D1000R030	10	0.3	22	70	10	4	●	2
D1000R050	10	0.5	22	70	10	4	●	2
D1000R100	10	1	22	70	10	4	●	2
D1000R150	10	1.5	22	70	10	4	●	2
D1000R200	10	2	22	70	10	4	●	2
D1200R050	12	0.5	26	75	12	4	●	2
D1200R100	12	1	26	75	12	4	●	2
D1200R150	12	1.5	26	75	12	4	●	2
D1200R200	12	2	26	75	12	4	●	2
D1200R250	12	2.5	26	75	12	4	●	2
D1200R300	12	3	26	75	12	4	●	2
D1600R100	16	1	35	90	16	4	●	2
D1600R150	16	1.5	35	90	16	4	●	2
D1600R200	16	2	35	90	16	4	●	2
D1600R250	16	2.5	35	90	16	4	●	2

● : Inventory maintained.