

IMPACT MIRACLE END MILLS

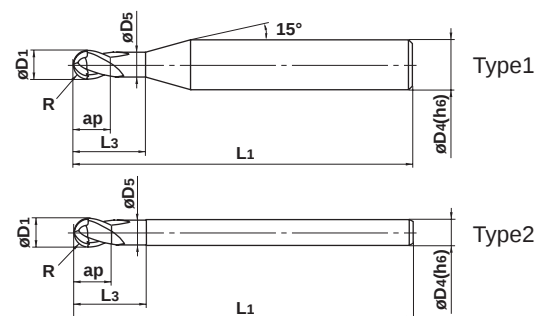
VF2SDB

Ball nose, Short cut length, 2 flute, Strong geometry type



CARBIDE

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	R ≤ 6.5	R > 6.5			
	±0.01	±0.02			
D1	D1 ≤ 12	D1 > 12			
	0 - 0.02	0 - 0.03			
D4	D4 = 3	4 ≤ D4 ≤ 6	8 ≤ D4 ≤ 10	12 ≤ D4 ≤ 16	D4 = 20
	0 - 0.006	0 - 0.008	0 - 0.009	0 - 0.011	0 - 0.013

- 2 flute ball nose end mills with Impact Miracle coating for high hardness materials and achieves excellent fracture resistance.

Unit : mm

Order Number	R	D1	ap	L3	D5	L1	D4	Flutes	Stock	Type
VF2SDBR0050	0.5	1	1	2	0.94	45	4	2	●	1
R0100S04	1	2	2	4	1.9	50	4	2	●	1
R0100	1	2	2	4	1.9	60	6	2	●	1
R0150S03	1.5	3	3	6	2.9	60	3	2	●	2
R0150	1.5	3	3	6	2.9	70	6	2	●	1
R0200S04	2	4	4	8	3.9	60	4	2	●	2
R0200	2	4	4	8	3.9	70	6	2	●	1
R0250	2.5	5	5	10	4.9	80	6	2	●	1
R0300	3	6	12	22	5.85	80	6	2	●	2
R0400	4	8	14	27	7.85	90	8	2	●	2
R0500	5	10	18	31	9.7	100	10	2	●	2
R0600	6	12	22	35	11.7	110	12	2	●	2
R0800	8	16	30	50	15.5	140	16	2	●	2
R1000	10	20	38	58	19.5	160	20	2	●	2

● : Inventory maintained. ★ : Inventory maintained in Japan.