

IMPACT MIRACLE END MILLS

VFHVRB

Corner radius, Short cut length, 4 flute, Irregular helix flutes

Unit : mm

CARBIDE

SQUARE

BALL

RADIUS

TAPER

SOLID END MILLS

Order Number	D1	R	ap	L3	D5	B2	L1	D4	Flutes	Stock	Type	Effective length for inclined angle			
												30°	1°	2°	3°
VFHVBD0400R05N048	4	0.5	4	48	3.9	1.2°	90	6	4	★	1	49.8	51.5	*	*
D0400R10N012	4	1	4	12	3.9	3.9°	60	6	4	●	1	12.5	12.9	13.8	14.9
D0400R10N020	4	1	4	20	3.9	2.5°	80	6	4	●	1	20.8	21.5	23	*
D0400R10N030	4	1	4	30	3.9	1.8°	80	6	4	★	1	31.1	32.2	*	*
D0600R05N018	6	0.5	9	18	5.85	—	60	6	4	●	2	*	*	*	*
D0600R05N030	6	0.5	9	30	5.85	—	80	6	4	●	2	*	*	*	*
D0600R10N018	6	1	9	18	5.85	—	60	6	4	●	2	*	*	*	*
D0600R10N030	6	1	9	30	5.85	—	80	6	4	●	2	*	*	*	*
D0600R10N054	6	1	9	54	5.85	—	90	6	4	★	2	*	*	*	*
D0600R15N018	6	1.5	9	18	5.85	—	60	6	4	●	2	*	*	*	*
D0600R15N030	6	1.5	9	30	5.85	—	80	6	4	●	2	*	*	*	*
D0600R15N042	6	1.5	9	42	5.85	—	90	6	4	★	2	*	*	*	*
D0600R15N054	6	1.5	9	54	5.85	—	90	6	4	★	2	*	*	*	*
D0600R20N018	6	2	9	18	5.85	—	60	6	4	★	2	*	*	*	*
D0600R20N030	6	2	9	30	5.85	—	80	6	4	★	2	*	*	*	*
D0700R15	7	1.5	11	—	—	—	80	6	4	★	3	*	*	*	*
D0800R05N024	8	0.5	12	24	7.85	—	60	8	4	●	2	*	*	*	*
D0800R05N040	8	0.5	12	40	7.85	—	100	8	4	●	2	*	*	*	*
D0800R10N024	8	1	12	24	7.85	—	60	8	4	●	2	*	*	*	*
D0800R10N040	8	1	12	40	7.85	—	100	8	4	●	2	*	*	*	*
D0800R20N024	8	2	12	24	7.85	—	60	8	4	●	2	*	*	*	*
D0800R20N040	8	2	12	40	7.85	—	100	8	4	●	2	*	*	*	*
D0800R20N056	8	2	12	56	7.85	—	120	8	4	★	2	*	*	*	*
D0800R20N072	8	2	12	72	7.85	—	120	8	4	★	2	*	*	*	*
D0900R20	9	2	13.5	—	—	—	100	8	4	★	3	*	*	*	*
D1000R05N030	10	0.5	15	30	9.7	—	70	10	4	●	2	*	*	*	*
D1000R05N050	10	0.5	15	50	9.7	—	110	10	4	●	2	*	*	*	*
D1000R10N030	10	1	15	30	9.7	—	70	10	4	●	2	*	*	*	*
D1000R10N050	10	1	15	50	9.7	—	110	10	4	●	2	*	*	*	*
D1000R20N030	10	2	15	30	9.7	—	70	10	4	●	2	*	*	*	*
D1000R20N050	10	2	15	50	9.7	—	110	10	4	●	2	*	*	*	*
D1000R20N070	10	2	15	70	9.7	—	150	10	4	★	2	*	*	*	*
D1000R20N090	10	2	15	90	9.7	—	150	10	4	★	2	*	*	*	*
D1100R20	11	2	16.5	—	—	—	110	10	4	★	3	*	*	*	*
D1200R05N036	12	0.5	18	36	11.7	—	80	12	4	●	2	*	*	*	*
D1200R05N060	12	0.5	18	60	11.7	—	120	12	4	●	2	*	*	*	*
D1200R10N036	12	1	18	36	11.7	—	80	12	4	●	2	*	*	*	*
D1200R10N060	12	1	18	60	11.7	—	120	12	4	●	2	*	*	*	*
D1200R20N036	12	2	18	36	11.7	—	80	12	4	★	2	*	*	*	*
D1200R20N060	12	2	18	60	11.7	—	120	12	4	★	2	*	*	*	*
D1200R20N084	12	2	18	84	11.7	—	160	12	4	★	2	*	*	*	*
D1200R20N108	12	2	18	108	11.7	—	160	12	4	★	2	*	*	*	*
D1200R30N036	12	3	18	36	11.7	—	80	12	4	●	2	*	*	*	*
D1200R30N060	12	3	18	60	11.7	—	120	12	4	●	2	*	*	*	*
D1300R30	13	3	19.5	—	—	—	120	12	4	★	3	*	*	*	*
D1600R05N042	16	0.5	24	42	15.5	—	100	16	4	●	2	*	*	*	*
D1600R20N042	16	2	24	42	15.5	—	100	16	4	●	2	*	*	*	*
D1600R30N042	16	3	24	42	15.5	—	100	16	4	●	2	*	*	*	*
D1600R30N080	16	3	24	80	15.5	—	140	16	4	●	2	*	*	*	*
D1600R30N120	16	3	24	120	15.5	—	175	16	4	★	2	*	*	*	*

* No interference

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