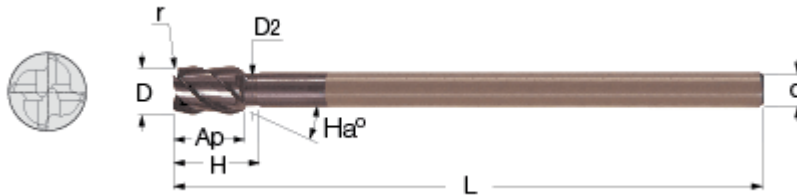
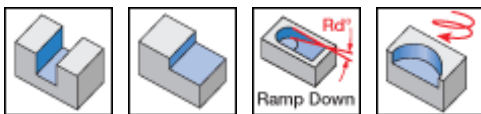




**EC-B4-R** : 4 flute, 45° helix extra-long solid carbide endmills with various corner radii. Used on hardened steel.



Hard Materials



Designation	D	d	r	ap	H	D2	L	Flute	Ha°	Rd°	Shank	fz(min)	fz(max)	Grade
EC-B4 10-15C08R.5M130	10.00	8.00	0.50	15.00	19.2	7.50	130.00	4	45.0	5.0	C	0.03	0.10	IC903
EC-B4 10-15C08R1M130	10.00	8.00	1.00	15.00	19.2	7.50	130.00	4	45.0	5.0	C	0.03	0.10	IC903
EC-B4 12-18C10R.5M150	12.00	10.00	0.50	18.00	22.2	9.50	150.00	4	45.0	5.0	C	0.04	0.11	IC903
EC-B4 12-18C10R1M150	12.00	10.00	1.00	18.00	22.2	9.50	150.00	4	45.0	5.0	C	0.04	0.11	IC903
EC-B4 14-21C12R.5M160	14.00	12.00	0.50	21.00	25.2	11.50	160.00	4	45.0	5.0	C	0.04	0.12	IC903
EC-B4 14-21C12R1M160	14.00	12.00	1.00	21.00	25.2	11.50	160.00	4	45.0	5.0	C	0.04	0.12	IC903
EC-B4 18-27C16R0.5M180	18.00	16.00	0.50	27.00	31.2	15.50	180.00	4	45.0	5.0	C	0.05	0.13	IC903
EC-B4 18-27C16R1M180	18.00	16.00	1.00	27.00	31.2	15.50	180.00	4	45.0	5.0	C	0.05	0.13	IC903
EC-B4 22-33C20R.5M200	22.00	20.00	0.50	33.00	37.2	19.50	200.00	4	45.0	5.0	C	0.05	0.13	IC903
EC-B4 22-33C20R1M200	22.00	20.00	1.00	33.00	37.2	19.50	200.00	4	45.0	5.0	C	0.05	0.13	IC903