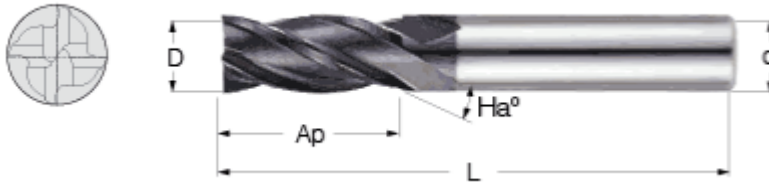
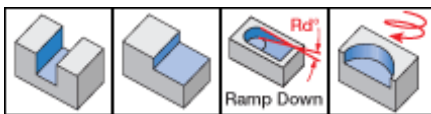




**EC-A4** : 4 flute, 30°helix medium length solid carbide endmills. Used for hard materials up to 65 HRC.



Hard Materials



Designation	D	d	ap	L	Flute	Ha°/b>	Rd°/b>	Shank	fz(min)	fz(max)	Grade
EC-A4 020-060C06-50	2.00	6.00	6.00	50.00	4	30.0	5.0	C	0.01	0.03	IC903
EC-A4 025-080C06-50	2.50	6.00	8.00	50.00	4	30.0	5.0	C	0.01	0.03	IC903
EC-A4 030-080C06-50	3.00	6.00	8.00	50.00	4	30.0	5.0	C	0.01	0.04	IC903
EC-A4 035-10C06-50	3.50	6.00	10.00	50.00	4	30.0	5.0	C	0.01	0.04	IC903
EC-A4 040-11C06-50	4.00	6.00	11.00	50.00	4	30.0	5.0	C	0.02	0.05	IC903
EC-A4 045-11C06-50	4.50	6.00	11.00	50.00	4	30.0	5.0	C	0.02	0.05	IC903
EC-A4 050-13C06-50	5.00	6.00	13.00	50.00	4	30.0	5.0	C	0.02	0.06	IC903
EC-A4 055-13C06-50	5.50	6.00	13.00	50.00	4	30.0	5.0	C	0.02	0.06	IC903
EC-A4 060-13C06-50	6.00	6.00	13.00	50.00	4	30.0	5.0	C	0.03	0.07	IC903
EC-A4 065-16C08-63	6.50	8.00	16.00	63.00	4	30.0	5.0	C	0.03	0.07	IC903
EC-A4 070-16C08-63	7.00	8.00	16.00	63.00	4	30.0	5.0	C	0.03	0.08	IC903
EC-A4 075-16C08-63	7.50	8.00	16.00	63.00	4	30.0	5.0	C	0.03	0.08	IC903
EC-A4 080-19C08-63	8.00	8.00	19.00	63.00	4	30.0	5.0	C	0.03	0.09	IC903
EC-A4 085-19C10-72	8.50	10.00	19.00	72.00	4	30.0	5.0	C	0.03	0.09	IC903
EC-A4 090-19C10-72	9.00	10.00	19.00	72.00	4	30.0	5.0	C	0.03	0.09	IC903
EC-A4 095-19C10-70	9.50	10.00	19.00	70.00	4	30.0	5.0	C	0.03	0.09	IC903
EC-A4 100-22C10-72	10.00	10.00	22.00	72.00	4	30.0	5.0	C	0.03	0.10	IC903
EC-A4 105-22C12-75	10.50	12.00	22.00	75.00	4	30.0	5.0	C	0.03	0.10	IC903
EC-A4 110-22C12-75	11.00	12.00	22.00	75.00	4	30.0	5.0	C	0.03	0.10	IC903
EC-A4 115-22C12-75	11.50	12.00	22.00	75.00	4	30.0	5.0	C	0.03	0.10	IC903
EC-A4 120-26C12-73	12.00	12.00	26.00	73.00	4	30.0	5.0	C	0.04	0.11	IC903
EC-A4 130-26C12-85	13.00	12.00	26.00	85.00	4	30.0	5.0	C	0.04	0.11	IC903
EC-A4 140-26C12-85	14.00	12.00	26.00	85.00	4	30.0	5.0	C	0.04	0.12	IC903
EC-A4 140-26C14-83	14.00	14.00	26.00	83.00	4	30.0	5.0	C	0.04	0.12	IC903

EC-A4 140-26C16-85	14.00	16.00	26.00	85.00	4	30.0	5.0	C	0.04	0.12	IC903
EC-A4 150-26C16-92	15.00	16.00	26.00	92.00	4	30.0	5.0	C	0.04	0.12	IC903
EC-A4 160-32C16-92	16.00	16.00	32.00	92.00	4	30.0	5.0	C	0.05	0.13	IC903
EC-A4 170-32C16-100	17.00	16.00	32.00	100.00	4	30.0	5.0	C	0.05	0.13	IC903
EC-A4 180-32C18-100	18.00	18.00	32.00	100.00	4	30.0	5.0	C	0.05	0.13	IC903
EC-A4 190-32C20-100	19.00	20.00	32.00	100.00	4	30.0	5.0	C	0.05	0.13	IC903
EC-A4 200-38C20-104	20.00	20.00	38.00	104.00	4	30.0	5.0	C	0.05	0.13	IC903
EC-A4 220-38C20-105	22.00	20.00	38.00	105.00	4	30.0	5.0	C	0.05	0.13	IC903
EC-A4 240-45C25-120	24.00	25.00	45.00	120.00	4	30.0	5.0	C	0.05	0.13	IC903
EC-A4 250-45C25-120	25.00	25.00	45.00	120.00	4	30.0	5.0	C	0.05	0.13	IC903