

SQUARE END - STANDARD LENGTH - GENERAL PURPOSE - METRIC



ALL METRIC TOOLS

Premium submicron grain carbide
Center cutting
For steel & high temperature alloys
35° Helix – rhs/rhc
3,000 MPa high transverse rupture strength

Flute Diameter	Flute Length	Shank Diameter	Overall Length	Part Number	Price Uncoated	Price TiN	Price TiALN
3	12	3	38	70312	\$6.57	\$9.22	\$9.71
4	14	4	51	70414	\$9.02	\$11.52	\$12.16
5	16	5	51	70516	\$8.14	\$10.71	\$11.28
6	19	6	63	70619	\$9.89	\$12.38	\$13.03
7	19	7	63	70719	\$14.49	\$17.84	\$18.77
8	20	8	63	70820	\$13.05	\$17.28	\$18.19
9	25	9	63	70925	\$17.70	\$21.70	\$22.84
10	25	10	63	701025	\$14.62	\$18.77	\$19.76
11	25	11	70	701125	\$24.17	\$27.84	\$29.31
12	25	12	76	701225	\$25.98	\$29.56	\$31.12
14	32	14	89	701432	\$45.74	\$51.53	\$53.68
16	32	16	89	701632	\$48.86	\$54.52	\$56.80
18	38	18	102	701838	\$79.05	\$84.38	\$86.99
20	38	20	102	702038	\$82.31	\$87.54	\$90.25
22	40	22	102	702238	\$107.59	\$112.06	\$115.53
25	40	25	102	702538	\$116.95	\$121.14	\$124.89

To order 2 or 4 flute, add -02 for 2 flute, -04 for 4 flute to the end of the part #

SQUARE END - EXTRA LENGTH - GENERAL PURPOSE - METRIC

CNC Produced - Industrial Grade



Tolerances

∅d₁ +.000\-.05mm
∅d₂ +.0025\-.0012mm

Flute Diameter	Flute Length	Shank Diameter	Overall Length	Part Number	Price Uncoated	Price TiN	Price TiALN
3	20	3	75	75320	\$12.62	\$15.77	\$16.62
4	23	4	75	75423	\$13.92	\$17.07	\$17.92
5	25	5	75	75525	\$16.50	\$20.45	\$21.53
6	25	6	75	75625	\$17.01	\$20.95	\$22.02
6	35	6	100	75635	\$22.27	\$29.22	\$30.58
8	30	8	100	75830	\$21.90	\$27.26	\$28.70
8	40	8	152	75840	\$31.02	\$40.28	\$42.13
10	30	10	100	751030	\$23.45	\$28.82	\$29.87
10	50	10	152	751050	\$34.62	\$43.89	\$45.74
12	50	12	100	751250	\$34.58	\$39.95	\$41.02
12	75	12	152	751275	\$46.26	\$55.56	\$57.38
16	75	16	152	751675	\$77.13	\$90.27	\$92.84
20	75	20	152	752075	\$109.65	\$122.79	\$125.35

To order 2 or 4 flute, add -02 for 2 flute, -04 for 4 flute to the end of the part #

METRIC BALLNOSE - STANDARD LENGTH CARBIDE ENDMILLS - GENERAL PURPOSE

BALLNOSE - STANDARD LENGTH - GENERAL PURPOSE - METRIC

CNC Produced - Industrial Grade



Flute Diameter	Flute Length	Shank Diameter	Overall Length	Part Number	Price Uncoated	Price TiN	Price TiALN
3	12	3	38	85312	\$7.88	\$10.53	\$11.02
4	14	4	51	85414	\$10.82	\$13.32	\$13.96
5	16	5	51	85516	\$9.77	\$12.34	\$12.91
6	19	6	63	85619	\$11.87	\$14.36	\$15.01
7	19	7	63	85719	\$17.39	\$20.74	\$21.67
8	20	8	63	85820	\$15.66	\$19.89	\$20.80
9	25	9	63	85925	\$21.24	\$25.24	\$26.38
10	25	10	63	851025	\$17.54	\$21.69	\$22.68
11	25	11	70	851125	\$29.00	\$32.67	\$34.14
12	25	12	76	851225	\$31.18	\$34.76	\$36.32
14	32	14	89	851432	\$54.89	\$60.68	\$62.83
16	32	16	89	851632	\$58.63	\$64.29	\$66.57
18	38	18	102	851838	\$94.86	\$100.19	\$102.80
20	38	20	102	852038	\$98.77	\$104.00	\$106.71
22	40	22	102	852238	\$129.11	\$133.58	\$137.05
25	40	25	102	852538	\$140.34	\$144.53	\$148.28

To order 2 or 4 flute, add -02 for 2 flute, -04 for 4 flute to the end of the part #

BALLNOSE - EXTRA LENGTH - GENERAL PURPOSE - METRIC

CNC Produced - Industrial Grade



Flute Diameter	Flute Length	Shank Diameter	Overall Length	Part Number	Price Uncoated	Price TiN	Price TiALN
3	20	3	75	85320	\$14.89	\$18.60	\$19.61
4	23	4	75	85423	\$16.43	\$20.14	\$21.15
5	25	5	75	85525	\$19.47	\$24.13	\$25.41
6	25	6	75	85625	\$20.07	\$24.72	\$25.98
6	35	6	100	85635	\$26.28	\$34.48	\$36.09
8	30	8	100	85830	\$25.84	\$32.17	\$33.87
8	40	8	152	85840	\$36.60	\$47.53	\$49.71
10	30	10	100	851030	\$27.67	\$34.01	\$35.25
10	50	10	152	851050	\$40.85	\$51.80	\$53.97
12	50	12	100	851250	\$40.81	\$47.14	\$48.40
12	75	12	152	851275	\$54.59	\$65.56	\$67.71
16	75	16	152	851675	\$91.01	\$106.52	\$109.55
20	75	20	152	852075	\$129.39	\$144.89	\$147.91

To order 2 or 4 flute, add -02 for 2 flute, -04 for 4 flute to the end of the part #

HOGMILL - ROUGHERS W/TiALN COATING METRIC

CNC Produced - Industrial Grade



Flute Diameter	Flute Length	Shank Diameter	Overall Length	Number of Flutes	Part Number	Price
6	20	6	63	3	15620	\$27.58
8	22	8	63	3	15822	\$30.72
10	25	10	63	4	151025	\$33.87
12	30	12	76	4	151230	\$44.45
14	35	14	89	4	151435	\$69.70
16	40	16	89	4	151640	\$95.65
20	45	20	100	4	152045	\$102.46
25	45	25	100	5	152545	\$143.97

Tolerances

∅d₁ +.000\-.05mm
∅d₂ +.0025\-.0012mm

4,296 MPa high transverse rupture strength

BALLNOSE - EXTRA LENGTH CARBIDE ENDMILLS - GENERAL PURPOSE - METRIC