



The industry standard. Wear resistance and minimal deflection for excellent size control.

**For:** General purpose milling  
Production milling  
Contour Milling

**On:** Steels  
Stainless Steels

■ 4 FLUTE BALL NOSE REG. LENGTH-INCH					
Cutting Diameter (in.)	Shank Diameter (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
1/8	1/8	1/2	1-1/2	103-880	10.50
3/16	3/16	5/8	2	103-881	15.20
1/4	1/4	3/4	2-1/2	103-882	19.20
5/16	5/16	13/16	2-1/2	103-883	22.20
3/8	3/8	1	2-1/2	103-884	30.00
1/2	1/2	1	3	103-885	49.40
9/16	9/16	1-1/8	3-1/2	103-939	77.70
5/8	5/8	1-1/4	3-1/2	103-940	93.90
11/16	3/4	1-3/8	4	103-941	131.70
3/4	3/4	1-1/2	4	103-942	131.70
7/8	7/8	1-1/2	4	103-943	182.50
1	1	1-1/2	4	103-944	210.10

■ 4 FLUTE BALL NOSE REG. LENGTH-METRIC					
Cutting Diameter (mm)	Shank Diameter (mm)	Flute Length (mm)	Overall Length (mm)	Code No.	Price \$
1	3	3	39	102-737	26.00
1.5	3	5	39	102-738	16.80
2	3	7	39	102-760	11.30
2.5	3	8	39	102-761	11.30
3	3	10	39	102-762	11.30
3.5	4	12	51	102-763	15.20
4	4	14	51	102-764	15.20
4.5	5	14	51	102-765	16.90
5	5	16	51	102-766	16.90
6	6	19	64	102-767	20.40
7	8	19	64	102-768	23.70
8	8	21	64	102-769	23.70
9	10	22	70	102-770	36.80
10	10	25	70	102-771	36.80
11	11	25	70	102-772	52.40
12	12	25	76	102-773	52.40
14	14	30	89	102-775	83.10
16	16	32	89	102-776	100.30
18	18	35	102	102-777	128.90
20	20	38	102	102-778	152.70
25	25	38	102	102-779	233.00

**SPEEDS & FEEDS** P. 30

tolerances		
Size	Diameter	Shank Diameter
3/32 thru 1"	+0.000"-0.002"	+0.0000"-0.0005"

