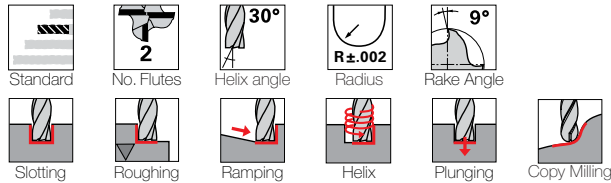


# UNI-PRO Ball Nose (2-Flute) - Inch - Standard Length



## center cutting



Tool material

**Solid Carbide**

Surface finish

bright

FIREX®

Series

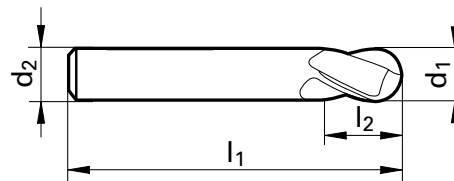
**3157**

**3159**

Application group	Material examples	Ideal for
<b>P</b>	Steel	●
<b>M</b>	Stainless steel	●
<b>K</b>	Cast iron	●
<b>N</b>	Aluminum	●
<b>S</b>	Ni / Ti alloys	○
<b>H</b>	Hardened steel	--

●=Optimal    ○=Secondary

Speed and Feed data found on page 289



d1 h10	d2 h6	l1	l2	No. of Flutes	Code no.	EDP Number	
inch	inch	inch	inch				
1/16	1/8	1 1/2	3/16	2	1.590	9031570015900	9031590015900
5/64	1/8	1 1/2	9/32	2	1.980	9031570019800	9031590019800
3/32	1/8	1 1/2	1/4	2	2.380	9031570023800	9031590023800
7/64	1/8	1 1/2	3/8	2	2.780	9031570027800	9031590027800
1/8	1/8	1 1/2	3/8	2	3.170	9031570031700	9031590031700
9/64	3/16	2	1/2	2	3.570	9031570035700	9031590035700
5/32	3/16	2	1/2	2	3.970	9031570039700	9031590039700
11/64	3/16	2	5/8	2	4.370	9031570043700	9031590043700
3/16	3/16	2	5/8	2	4.760	9031570047600	9031590047600
13/64	1/4	2 1/2	5/8	2	5.160	9031570051600	9031590051600
7/32	1/4	2 1/2	5/8	2	5.560	9031570055600	9031590055600
15/64	1/4	2 1/2	3/4	2	5.950	9031570059500	9031590059500
1/4	1/4	2 1/2	3/4	2	6.350	9031570063500	9031590063500
17/64	5/16	2 1/2	3/4	2	6.750	9031570067500	9031590067500
9/32	5/16	2 1/2	3/4	2	7.140	9031570071400	9031590071400
19/64	5/16	2 1/2	13/16	2	7.540	9031570075400	9031590075400
5/16	5/16	2 1/2	13/16	2	7.940	9031570079400	9031590079400
21/64	3/8	2 1/2	13/16	2	8.330	9031570083300	9031590083300
11/32	3/8	2 1/2	1	2	8.730	9031570087300	9031590087300
23/64	3/8	2 1/2	1	2	9.130	9031570091300	9031590091300
3/8	3/8	2 1/2	1	2	9.520	9031570095200	9031590095200
25/64	7/16	2 3/4	1	2	9.920	9031570099200	9031590099200
13/32	7/16	2 3/4	1	2	10.320	9031570103200	9031590103200
27/64	7/16	2 3/4	1	2	10.720	9031570107200	9031590107200
7/16	7/16	2 3/4	1	2	11.110	9031570111100	9031590111100
29/64	1/2	3	1	2	11.510	9031570115100	9031590115100
15/32	1/2	3	1	2	11.910	9031570119100	9031590119100
31/64	1/2	3	1	2	12.300	9031570123000	9031590123000
1/2	1/2	3	1	2	12.700	9031570127000	9031590127000
9/16	9/16	3 1/2	1 1/8	2	14.290	9031570142900	9031590142900
5/8	5/8	3 1/2	1 1/4	2	15.870	9031570158700	9031590158700
3/4	3/4	4	1 1/2	2	19.050	9031570190500	9031590190500
1	1	4	1 1/2	2	25.400	9031570254000	9031590254000