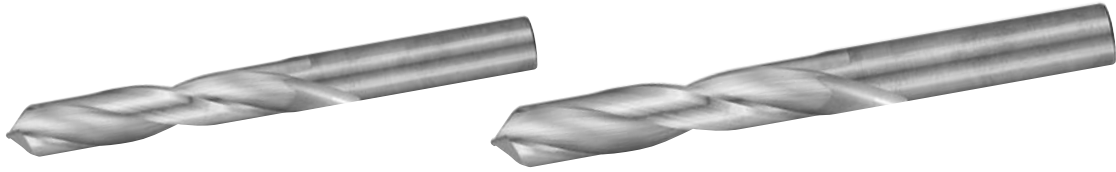




**Twist Drills**  
**118° Drillpoint**



Suitable for non-ferrous alloys, cast iron, plastics, aluminum, and highly abrasive materials.

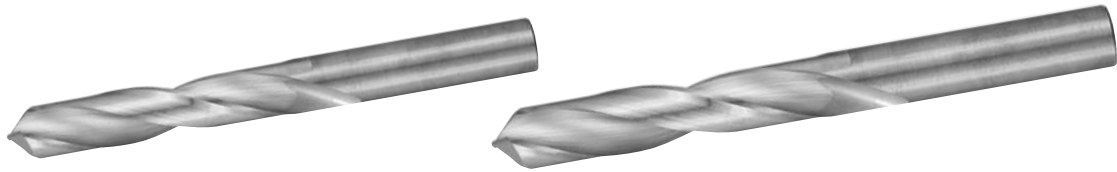
Cutting Diameter: +.0000/-.0005"

TOOL NUMBER	SIZE	DECIMAL EQUIVALENTS	OVERALL LENGTH	FLUTE LENGTH
<b>B30-0135</b> <b>B30-0145</b> <b>B30-0156</b> <b>B30-0160</b> <b>B30-0180</b>	80 79 1/64 78 77	.0135 .0145 .0156 .0160 .0180	1-1/4	3/16
<b>B30-0200</b> <b>B30-0210</b> <b>B30-0225</b> <b>B30-0240</b> <b>B30-0250</b> <b>B30-0260</b>	76 75 4 73 72 71	.0200 .0210 .0225 .0240 .0250 .0260	1-1/4	1/4 1/4 1/4 1/4 5/16 5/16
<b>B30-0280</b> <b>B30-0292</b> <b>B30-0310</b> <b>B30-0312</b> <b>B30-0320</b> <b>B30-0330</b>	70 69 68 1/32 67 66	.0280 .0292 .0310 .0312 .0320 .0330	1-1/4 1-1/4 1-1/4 1-1/2 1-1/2 1-1/2	1/2
<b>B30-0350</b> <b>B30-0360</b> <b>B30-0370</b> <b>B30-0380</b> <b>B30-0390</b> <b>B30-0394</b> <b>B30-0400</b> <b>B30-0410</b> <b>B30-0420</b> <b>B30-0430</b>	65 64 63 62 61 1.0 mm 60 59 58 57	.0350 .0360 .0370 .0380 .0390 .0394 .0400 .0410 .0420 .0430	1-1/2	5/8 5/8 5/8 5/8 5/8 5/8 3/4 3/4 3/4 3/4
<b>B30-0465</b> <b>B30-0469</b> <b>B30-0520</b> <b>B30-0550</b> <b>B30-0591</b> <b>B30-0595</b> <b>B30-0625</b> <b>B30-0635</b> <b>B30-0670</b>	56 3/64 55 54 1.5 mm 53 1/16 52 51	.0465 .0469 .0520 .0550 .0591 .0595 .0625 .0635 .0670	1-1/2	3/4

*TiN & TiAlN Coated Twist Drills Also Available*



**Twist Drills**  
**118° Drillpoint**



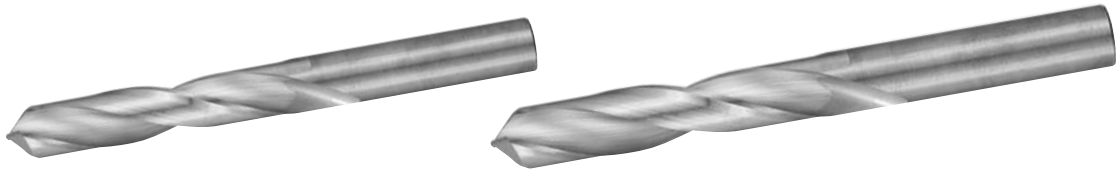
Cutting Diameter: +.0000/-.0005"

TOOL NUMBER	SIZE	DECIMAL EQUIVALENTS	OVERALL LENGTH	FLUTE LENGTH
<b>B30-0700</b>	50	.0700	1-3/4	7/8
<b>B30-0730</b>	49	.0730		
<b>B30-0760</b>	48	.0760		
<b>B30-0781</b>	5/64	.0781		
<b>B30-0785</b>	47	.0785		
<b>B30-0787</b>	2.0 mm	.0787		
<b>B30-0810</b>	46	.0810		
<b>B30-0820</b>	45	.0820		
<b>B30-0860</b>	44	.0860	2	1
<b>B30-0890</b>	43	.0890	2	
<b>B30-0935</b>	42	.0935	2	
<b>B30-0938</b>	3/32	.0938	2	
<b>B30-0960</b>	41	.0960	2	
<b>B30-0980</b>	40	.0980	2	
<b>B30-0984</b>	2.5 mm	.0984	2-1/4	
<b>B30-0995</b>	69	.0995	2-1/4	
<b>B30-1015</b>	38	.1015		
<b>B30-1040</b>	37	.1040		
<b>B30-1065</b>	36	.1065		
<b>B30-1094</b>	7/64	.1094		
<b>B30-1100</b>	35	.1100		
<b>B30-1110</b>	34	.1110		
<b>B30-1130</b>	33	.1130		
<b>B30-1160</b>	32	.1160		
<b>B30-1181</b>	3.0 mm	.1181		
<b>B30-1200</b>	31	.1200		
<b>B30-1250</b>	1/8	.1250		
<b>B30-1285</b>	30	.1285		
<b>B30-1360</b>	29	.1360		2-1/2
<b>B30-1378</b>	3.5 mm	.1378		
<b>B30-1405</b>	28	.1405		
<b>B30-1406</b>	9/64	.1406		
<b>B30-1440</b>	27	.1440		
<b>B30-1470</b>	26	.1470		
<b>B30-1495</b>	25	.1495		
<b>B30-1520</b>	24	.1520		
<b>B30-1540</b>	23	.1540		
<b>B30-1562</b>	5/32	.1562		
<b>B30-1570</b>	22	.1570		
<b>B30-1575</b>	4.0 mm	.1575		
<b>B30-1590</b>	21	.1590		
<b>B30-1610</b>	20	.1610		

*TiN & TiAlN Coated Twist Drills Also Available*



**Twist Drills**  
**118° Drillpoint**



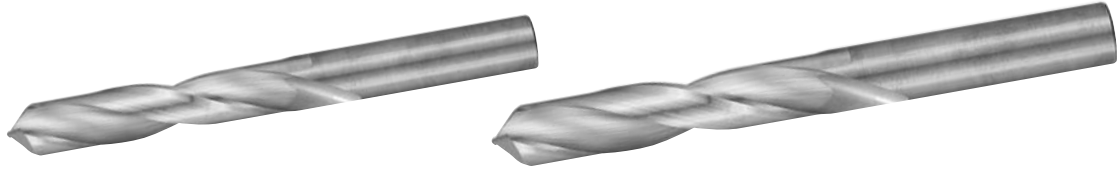
Cutting Diameter: +.0000/-.0005"

TOOL NUMBER	SIZE	DECIMAL EQUIVALENTS	OVERALL LENGTH	FLUTE LENGTH
<b>B30-1660</b>	19	.1660	2-3/4	1-5/8
<b>B30-1695</b>	18	.1695		
<b>B30-1719</b>	11/64	.1719		
<b>B30-1730</b>	17	.1730		
<b>B30-1770</b>	16	.1770		
<b>B30-1772</b>	4.5 MM	.1772		
<b>B30-1800</b>	15	.1800		
<b>B30-1820</b>	14	.1820		
<b>B30-1850</b>	13	.1850		
<b>B30-1875</b>	3/16	.1875		
<b>B30-1890</b>	12	.1890		
<b>B30-1910</b>	11	.1910		
<b>B30-1935</b>	10	.1935		
<b>B30-1960</b>	9	.1960		
<b>B30-1969</b>	5.0 mm	.1969		
<b>B30-1990</b>	8	.1990		
<b>B30-2010</b>	7	.2010		
<b>B30-2031</b>	13/64	.2031		
<b>B30-2040</b>	6	.2040		
<b>B30-2055</b>	5	.2055		
<b>B30-2090</b>	4	.2090		
<b>B30-2130</b>	3	.2130		
<b>B30-2165</b>	5.5 mm	.2165		
<b>B30-2188</b>	7/32	.2188		
<b>B30-2210</b>	2	.2210		
<b>B30-2280</b>	1	.2280		
<b>B30-2340</b>	A	.2340	3-1/4	2
<b>B30-2344</b>	15/64	.2344		
<b>B30-2362</b>	6.0 mm	.2362		
<b>B30-2380</b>	B	.2380		
<b>B30-2420</b>	C	.2420		
<b>B30-2460</b>	D	.2460		
<b>B30-2500</b>	1/4 E	.2500		
<b>B30-2559</b>	6.5 mm	.2559		
<b>B30-2570</b>	F	.2570		
<b>B30-2610</b>	G	.2610	3-1/2	2-1/4
<b>B30-2656</b>	17/64	.2656		
<b>B30-2660</b>	H	.2660		
<b>B30-2720</b>	I	.2720		
<b>B30-2756</b>	7.0 mm	.2756		
<b>B30-2770</b>	J	.2770		
<b>B30-2810</b>	K	.2810		
<b>B30-2812</b>	9/32	.2812		
<b>B30-2900</b>	L	.2900		

*TiN & TiAlN Coated Twist Drills Also Available*



**Twist Drills**  
**118° Drillpoint**



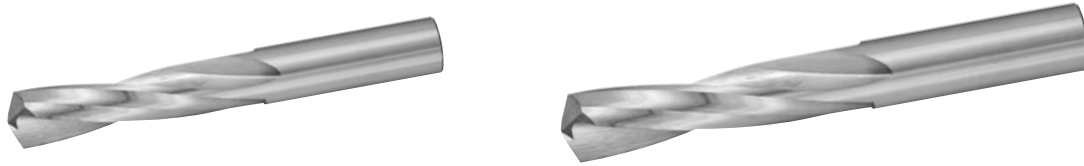
Cutting Diameter: +.0000/-.0005"

TOOL NUMBER	SIZE	DECIMAL EQUIVALENTS	OVERALL LENGTH	FLUTE LENGTH
<b>B30-2950</b> <b>B30-2953</b> <b>B30-2969</b> <b>B30-3020</b> <b>B30-3125</b> <b>B30-3150</b> <b>B30-3160</b> <b>B30-3230</b>	M 7.5 mm 19/64 N 5/16 8.0 mm O P	.2950 .2953 .2969 .3020 .3125 .3150 .3160 .3230	3-3/4	2-3/8
<b>B30-3281</b> <b>B30-3320</b> <b>B30-3346</b> <b>B30-3390</b> <b>B30-3438</b> <b>B30-3480</b> <b>B30-3543</b>	21/64 Q 8.5 mm R 11/32 S 9.0 mm	.3281 .3320 .3346 .3390 .3438 .3480 .3543	4	2-1/2
<b>B30-3580</b> <b>B30-3594</b> <b>B30-3680</b> <b>B30-3740</b> <b>B30-3750</b> <b>B30-3770</b>	T 23/64 U 9.5 mm 3/8 V	.3580 .3594 .3680 .3740 .3750 .3770	4-1/4	2-3/4
<b>B30-3860</b> <b>B30-3906</b> <b>B30-3937</b> <b>B30-3970</b> <b>B30-4040</b> <b>B30-4062</b> <b>B30-4130</b> <b>B30-4134</b> <b>B30-4219</b> <b>B30-4331</b> <b>B30-4375</b>	W 25/64 10.0 mm X Y 13/32 Z 10.5 mm 27/64 11.0 mm 7/16	.3860 .3906 .3937 .3970 .4040 .4062 .4130 .4134 .4219 .4331 .4375	4-1/2	2-7/8
<b>B30-4528</b> <b>B30-4531</b> <b>B30-4688</b> <b>B30-4724</b> <b>B30-4844</b> <b>B30-4921</b> <b>B30-5000</b>	11.5 mm 29/64 15/32 12.0 mm 31/64 12.5 mm 1/2	.4528 .4531 .4688 .4724 .4844 .4921 .5000	4-3/4	3

*TiN & TiAlN Coated Twist Drills Also Available*



**Stub Drills  
135° Drillpoint**



Suitable for stainless steel, tool steel, titanium and nickel alloys.

Cutting Diameter: +.0000/-.0005"

TOOL NUMBER	SIZE	DECIMAL EQUIVALENTS	OVERALL LENGTH	FLUTE LENGTH
<b>B31-0312</b>	1/32	.0312	1-1/2	1/2
<b>B31-0465</b>	56	.0465	1-1/2	1/2
<b>B31-0469</b>	3/64	.0469	1-1/2	1/2
<b>B31-0520</b>	55	.0520	1-1/2	1/2
<b>B31-0550</b>	54	.0550	1-1/2	1/2
<b>B31-0595</b>	53	.0595	1-1/2	1/2
<b>B31-0625</b>	1/16	.0625	1-5/8	5/8
<b>B31-0635</b>	52	.0635	1-11/16	11/16
<b>B31-0670</b>	51	.0670		
<b>B31-0700</b>	50	.0700		
<b>B31-0730</b>	49	.0730		
<b>B31-0760</b>	48	.0760		
<b>B31-0781</b>	5/64	.0781		
<b>B31-0785</b>	47	.0785	1-3/4	3/4
<b>B31-0810</b>	46	.0810		
<b>B31-0820</b>	45	.0820		
<b>B31-0860</b>	44	.0860		
<b>B31-0890</b>	43	.0890		
<b>B31-0935</b>	42	.0935		
<b>B31-0938</b>	3/32	.0938		
<b>B31-0960</b>	41	.0960	1-13/16	13/16
<b>B31-0980</b>	40	.0980		
<b>B31-0995</b>	39	.0995		
<b>B31-1015</b>	38	.1015		
<b>B31-1040</b>	37	.1040		
<b>B31-1065</b>	36	.1065		
<b>B31-1094</b>	7/64	.1094		
<b>B31-1100</b>	35	.1100	1-7/8	7/8
<b>B31-1110</b>	34	.1110		
<b>B31-1130</b>	33	.1130		
<b>B31-1160</b>	32	.1160		
<b>B31-1200</b>	31	.1200		
<b>B31-1250</b>	1/8	.1250		

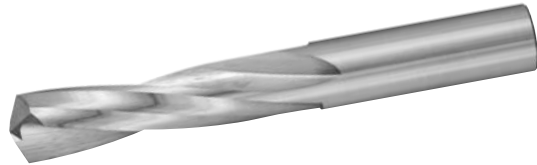
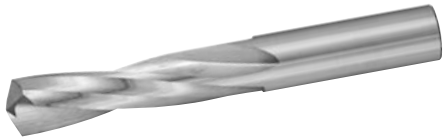
*TiAlN Coated Stub Drills Also Available*



**BPS® Drills**

# Stub Drills

## 135° Drillpoint



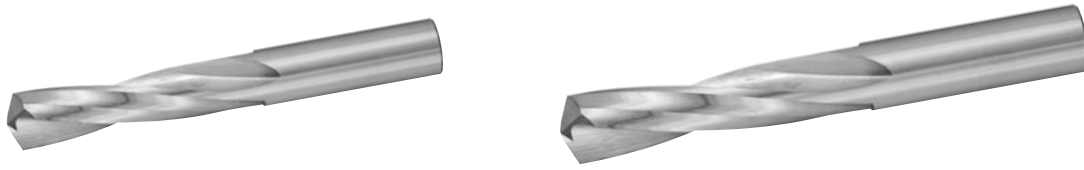
Cutting Diameter: +.0000/-.0005"

TOOL NUMBER	SIZE	DECIMAL EQUIVALENTS	OVERALL LENGTH	FLUTE LENGTH
<b>B31-1285</b> <b>B31-1360</b> <b>B31-1405</b> <b>B31-1406</b>	30 29 28 9/64	.1285 .1360 .1405 .1406	1-15/16	15/16
<b>B31-1440</b> <b>B31-1470</b> <b>B31-1495</b> <b>B31-1520</b> <b>B31-1540</b> <b>B31-1562</b>	27 26 25 24 23 5/32	.1440 .1470 .1495 .1520 .1540 .1562	2-1/16	1
<b>B31-1570</b> <b>B31-1590</b> <b>B31-1610</b> <b>B31-1660</b> <b>B31-1695</b> <b>B31-1719</b>	22 21 20 19 18 11/64	.1570 .1590 .1610 .1660 .1695 .1719	2-1/8	1-1/16
<b>B31-1730</b> <b>B31-1770</b> <b>B31-1800</b> <b>B31-1820</b> <b>B31-1850</b> <b>B31-1875</b>	17 16 15 14 13 3/16	.1730 .1770 .1800 .1820 .1850 .1875	2-3/16	1-1/8
<b>B31-1890</b> <b>B31-1910</b> <b>B31-1935</b> <b>B31-1960</b> <b>B31-1990</b> <b>B31-2010</b> <b>B31-2031</b>	12 11 10 9 8 7 13/64	.1890 .1910 .1935 .1960 .1990 .2010 .2031	2-1/4	1-3/16
<b>B31-2040</b> <b>B31-2055</b> <b>B31-2090</b> <b>B31-2130</b> <b>B31-2188</b>	6 5 4 3 7/32	.2040 .2055 .2090 .2130 .2188	2-3/8	1-1/4
<b>B31-2210</b> <b>B31-2280</b> <b>B31-2340</b> <b>B31-2344</b>	2 1 A 15/64	.2210 .2280 .2340 .2344	2-7/16	1-5/16

*TiAlN Coated Stub Drills Also Available*



## Stub Drills 135° Drillpoint



Cutting Diameter: +.0000/-.0005"

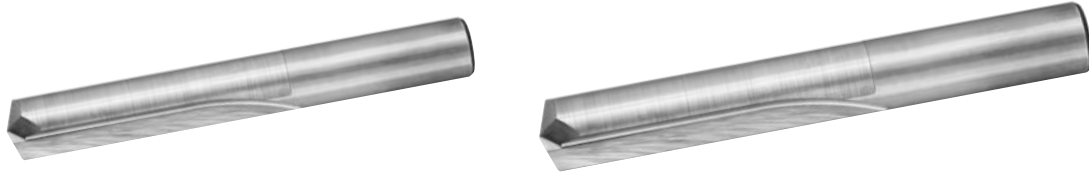
TOOL NUMBER	SIZE	DECIMAL EQUIVALENTS	OVERALL LENGTH	FLUTE LENGTH
<b>B31-2380</b> <b>B31-2420</b> <b>B31-2460</b> <b>B31-2500</b>	B C D 1/4 E	.2380 .2420 .2460 .2500	2-1/2	1-3/8
<b>B31-2570</b> <b>B31-2610</b> <b>B31-2656</b> <b>B31-2660</b> <b>B31-2720</b> <b>B31-2770</b> <b>B31-2810</b> <b>B31-2812</b>	F G 17/64 H I J K 9/32	.2570 .2610 .2656 .2660 .2720 .2770 .2810 .2812	2-5/8 2-5/8 2-5/8 2-11/16 2-11/16 2-11/16 2-11/16 2-11/16	1-7/16 1-7/16 1-7/16 1-1/2 1-1/2 1-1/2 1-1/2 1-1/2
<b>B31-2900</b> <b>B31-2950</b> <b>B31-2969</b> <b>B31-3020</b> <b>B31-3125</b>	L M 19/64 N 5/16	.2900 .2950 .2969 .3020 .3125	2-3/4 2-3/4 2-3/4 2-13/16 2-13/16	1-9/16 1-9/16 1-9/16 1-5/8 1-5/8
<b>B31-3160</b> <b>B31-3230</b> <b>B31-3281</b> <b>B31-3320</b> <b>B31-3390</b> <b>B31-3438</b>	O P 21/64 Q R 11/32	.3160 .3230 .3281 .3320 .3390 .3438	2-15/16 2-15/16 2-15/16 3 3 3	1-11/16
<b>B31-3480</b> <b>B31-3580</b> <b>B31-3594</b> <b>B31-3680</b> <b>B31-3750</b>	S T 23/64 U 3/8	.3480 .3580 .3594 .3680 .3750	3-1/16 3-1/16 3-1/16 3-1/8 3-1/8	1-3/4 1-3/4 1-3/4 1-13/16 1-13/16
<b>B31-3770</b> <b>B31-3860</b> <b>B31-3906</b> <b>B31-3970</b> <b>B31-4040</b> <b>B31-4062</b>	V W 25/64 X Y 13/32	.3770 .3860 .3906 .3970 .4040 .4062	3-1/4 3-1/4 3-1/4 3-5/16 3-5/16 3-5/16	1-7/8 1-7/8 1-7/8 1-15/16 1-15/16 1-15/16
<b>B31-4130</b> <b>B31-4219</b> <b>B31-4375</b> <b>B31-4531</b> <b>B31-4688</b> <b>B31-4844</b> <b>B31-5000</b>	Z 27/64 7/16 29/64 15/32 31/64 1/2	.4130 .4219 .4375 .4531 .4688 .4844 .5000	3-3/8 3-3/8 3-7/16 3-9/16 3-5/8 3-11/16 3-3/4	2 2 2-1/16 2-1/8 2-1/8 2-3/16 2-1/4

*TiAlN Coated Stub Drills Also Available*



# Straight Flute Drills

## 140° Drillpoint



Suitable for work hardened and abrasive materials.

Cutting Diameter: +.0000/-.0005"

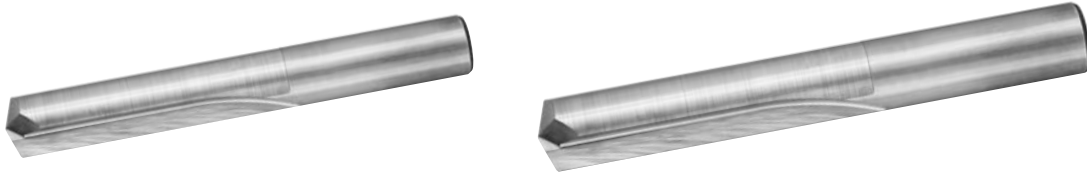
TOOL NUMBER	SIZE	DECIMAL EQUIVALENTS	OVERALL LENGTH	FLUTE LENGTH
<b>B32-0312</b>	1/32	.0312	1-1/2	1/2
<b>B32-0465</b>	56	.0465	1-1/2	1/2
<b>B32-0469</b>	3/64	.0469	1-1/2	1/2
<b>B32-0520</b>	55	.0520	1-1/2	1/2
<b>B32-0550</b>	54	.0550	1-1/2	1/2
<b>B32-0595</b>	53	.0595	1-1/2	1/2
<b>B32-0625</b>	1/16	.0625	1-5/8	5/8
<b>B32-0635</b>	52	.0635	1-11/16	11/16
<b>B32-0670</b>	51	.0670		
<b>B32-0700</b>	50	.0700		
<b>B32-0730</b>	49	.0730		
<b>B32-0760</b>	48	.0760		
<b>B32-0781</b>	5/64	.0781		
<b>B32-0785</b>	47	.0785	1-3/4	3/4
<b>B32-0810</b>	46	.0810		
<b>B32-0820</b>	45	.0820		
<b>B32-0860</b>	44	.0860		
<b>B32-0890</b>	43	.0890		
<b>B32-0935</b>	42	.0935		
<b>B32-0938</b>	3/32	.0938		
<b>B32-0960</b>	41	.0960	1-13/16	13/16
<b>B32-0980</b>	40	.0980		
<b>B32-0995</b>	39	.0995		
<b>B32-1015</b>	38	.1015		
<b>B32-1040</b>	37	.1040		
<b>B32-1065</b>	36	.1065		
<b>B32-1094</b>	7/64	.1094		
<b>B32-1100</b>	35	.1100	1-7/8	7/8
<b>B32-1110</b>	34	.1110		
<b>B32-1130</b>	33	.1130		
<b>B32-1160</b>	32	.1160		
<b>B32-1200</b>	31	.1200		
<b>B32-1250</b>	1/8	.1250		





# Straight Flute Drills

## 140° Drillpoint



Cutting Diameter: +.0000/-.0005"

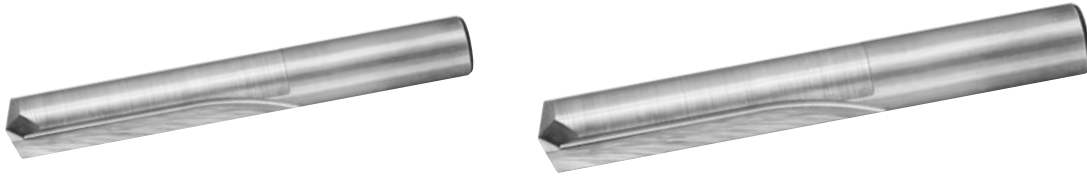
TOOL NUMBER	SIZE	DECIMAL EQUIVALENTS	OVERALL LENGTH	FLUTE LENGTH
<b>B32-1285</b> <b>B32-1360</b> <b>B32-1405</b> <b>B32-1406</b>	30 29 28 9/64	.1285 .1360 .1405 .1406	1-15/16	15/16
<b>B32-1440</b> <b>B32-1470</b> <b>B32-1495</b> <b>B32-1520</b> <b>B32-1540</b> <b>B32-1562</b>	27 26 25 24 23 5/32	.1440 .1470 .1495 .1520 .1540 .1562	2-1/16	1
<b>B32-1570</b> <b>B32-1590</b> <b>B32-1610</b> <b>B32-1660</b> <b>B32-1695</b> <b>B32-1719</b>	22 21 20 19 18 11/64	.1570 .1590 .1610 .1660 .1695 .1719	2-1/8	1-1/16
<b>B32-1730</b> <b>B32-1770</b> <b>B32-1800</b> <b>B32-1820</b> <b>B32-1850</b> <b>B32-1875</b>	17 16 15 14 13 3/16	.1730 .1770 .1800 .1820 .1850 .1875	2-3/16	1-1/8
<b>B32-1890</b> <b>B32-1910</b> <b>B32-1935</b> <b>B32-1960</b> <b>B32-1990</b> <b>B32-2010</b> <b>B32-2031</b>	12 11 10 9 8 7 13/64	.1890 .1910 .1935 .1960 .1990 .2010 .2031	2-1/4	1-3/16
<b>B32-2040</b> <b>B32-2055</b> <b>B32-2090</b> <b>B32-2130</b> <b>B32-2188</b>	6 5 4 3 7/32	.2040 .2055 .2090 .2130 .2188	2-3/8	1-1/4
<b>B32-2210</b> <b>B32-2280</b> <b>B32-2340</b> <b>B32-2344</b>	2 1 A 15/64	.2210 .2280 .2340 .2344	2-7/16	1-5/16



**BPS® Drills**

# Straight Flute Drills

## 140° Drillpoint

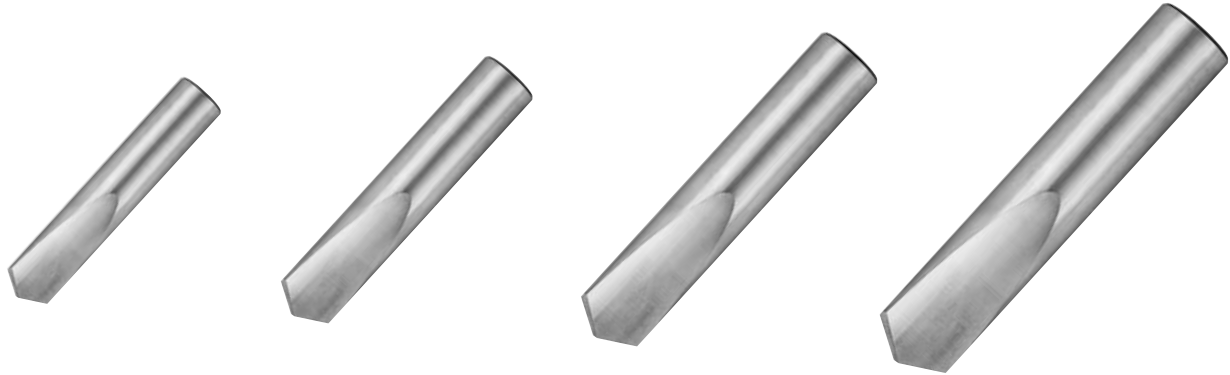


Cutting Diameter: +.0000/-.0005"

TOOL NUMBER	SIZE	DECIMAL EQUIVALENTS	OVERALL LENGTH	FLUTE LENGTH
<b>B32-2380</b> <b>B32-2420</b> <b>B32-2460</b> <b>B32-2500</b>	B C D 1/4 E	.2380 .2420 .2460 .2500	2-1/2	1-3/8
<b>B32-2570</b> <b>B32-2610</b> <b>B32-2656</b> <b>B32-2660</b> <b>B32-2720</b> <b>B32-2770</b> <b>B32-2810</b> <b>B32-2812</b>	F G 17/64 H I J K 9/32	.2570 .2610 .2656 .2660 .2720 .2770 .2810 .2812	2-5/8 2-5/8 2-5/8 2-11/16 2-11/16 2-11/16 2-11/16 2-11/16	1-7/16 1-7/16 1-7/16 1-1/2 1-1/2 1-1/2 1-1/2 1-1/2
<b>B32-2900</b> <b>B32-2950</b> <b>B32-2969</b> <b>B32-3020</b> <b>B32-3125</b>	L M 19/64 N 5/16	.2900 .2950 .2969 .3020 .3125	2-3/4 2-3/4 2-3/4 2-13/16 2-13/16	1-9/16 1-9/16 1-9/16 1-5/8 1-5/8
<b>B32-3160</b> <b>B32-3230</b> <b>B32-3281</b> <b>B32-3320</b> <b>B32-3390</b> <b>B32-3438</b>	O P 21/64 Q R 11/32	.3160 .3230 .3281 .3320 .3390 .3438	2-15/16 2-15/16 2-15/16 3 3 3	1-11/16
<b>B32-3480</b> <b>B32-3580</b> <b>B32-3594</b> <b>B32-3680</b> <b>B32-3750</b>	S T 23/64 U 3/8	.3480 .3580 .3594 .3680 .3750	3-1/16 3-1/16 3-1/16 3-1/8 3-1/8	1-3/4 1-3/4 1-3/4 1-13/16 1-13/16
<b>B32-3770</b> <b>B32-3860</b> <b>B32-3906</b> <b>B32-3970</b> <b>B32-4040</b> <b>B32-4062</b>	V W 25/64 X Y 13/32	.3770 .3860 .3906 .3970 .4040 .4062	3-1/4 3-1/4 3-1/4 3-5/16 3-5/16 3-5/16	1-7/8 1-7/8 1-7/8 1-15/16 1-15/16 1-15/16
<b>B32-4130</b> <b>B32-4219</b> <b>B32-4375</b> <b>B32-4531</b> <b>B32-4688</b> <b>B32-4844</b> <b>B32-5000</b>	Z 27/64 7/16 29/64 15/32 31/64 1/2	.4130 .4219 .4375 .4531 .4688 .4844 .5000	3-3/8 3-3/8 3-7/16 3-9/16 3-5/8 3-11/16 3-3/4	2 2 2-1/16 2-1/8 2-1/8 2-3/16 2-1/4



**Spade Drills  
118° Drillpoint**



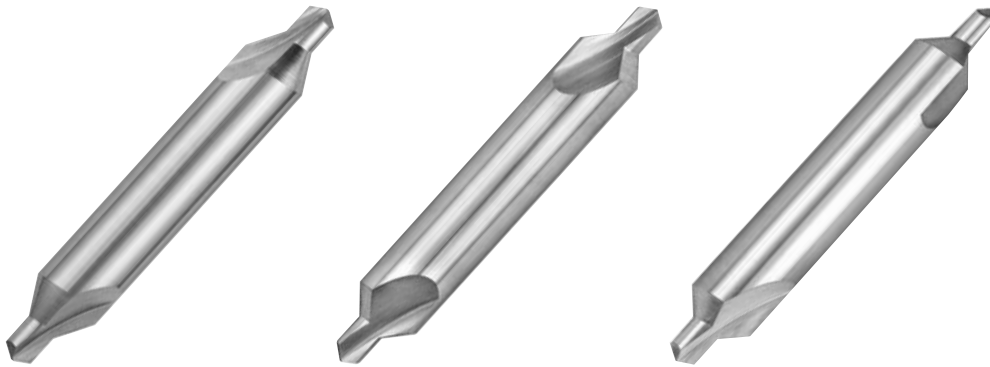
Suitable for thin sheet applications and spot drilling.

Cutting Diameter: +.0000/-.0005"

TOOL NUMBER	SIZE	OVERALL LENGTH	FLUTE LENGTH
<b>B33-031</b> <b>B33-046</b> <b>B33-062</b> <b>B33-093</b> <b>B33-109</b> <b>B33-125</b>	1/32 3/64 1/16 3/32 7/64 1/8	1-1/2	3/16 7/32 5/16 7/16 7/16 1/2
<b>B33-140</b> <b>B33-156</b> <b>B33-171</b> <b>B33-187</b> <b>B33-218</b> <b>B33-250</b>	9/64 5/32 11/64 3/16 7/32 1/4	2	1/2 9/16 9/16 11/16 11/16 11/16
<b>B33-281</b> <b>B33-312</b> <b>B33-343</b> <b>B33-375</b> <b>B33-406</b> <b>B33-437</b> <b>B33-468</b> <b>B33-500</b>	9/32 5/16 11/32 3/8 13/32 7/16 13/32 1/2	2-1/2 2-1/2 2-1/2 2-1/2 2-3/4 2-3/4 3 3	7/8 7/8 15/16 1-1/8 1-1/8 1-3/16 1-3/16 1-3/16



**Center Drills**  
**60°, 82°, & 90°**



Cutting Diameter: Up to 7/32" +.002/-.000"  
 Over 7/32" +.003/-.000"

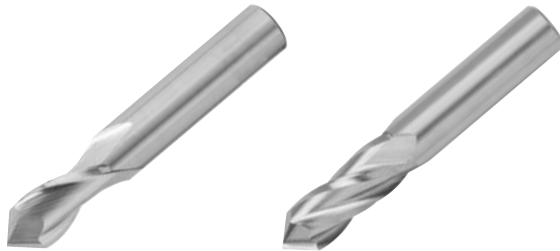
60° TOOL NUMBER	82° TOOL NUMBER	90° TOOL NUMBER	SIZE	DRILL DIAMETER	SHANK DIAMETER	OVERALL LENGTH
<b>B40-025-60</b>	<b>B40-025-82</b>	<b>B40-025-90</b>	00	.025	1/8	1-1/2
<b>B40-031-60</b>	<b>B40-031-82</b>	<b>B40-031-90</b>	0	1/32	1/8	1-1/2
<b>B40-046-60</b>	<b>B40-046-82</b>	<b>B40-046-90</b>	1	3/64	1/8	1-1/2
<b>B40-078-60</b>	<b>B40-078-82</b>	<b>B40-078-90</b>	2	5/64	3/16	1-7/8
<b>B40-109-60</b>	<b>B40-109-82</b>	<b>B40-109-90</b>	3	7/64	1/4	2
<b>B40-125-60</b>	<b>B40-125-82</b>	<b>B40-125-90</b>	4	1/8	5/16	2-1/8
<b>B40-187-60</b>	<b>B40-187-82</b>	<b>B40-187-90</b>	5	3/16	7/16	2-3/4
<b>B40-218-60</b>	<b>B40-218-82</b>	<b>B40-218-90</b>	6	7/32	1/2	3
<b>B40-250-60</b>	<b>B40-250-82</b>	<b>B40-250-90</b>	7	1/4	5/8	3-1/4
<b>B40-312-60</b>	<b>B40-312-82</b>	<b>B40-312-90</b>	8	5/16	3/4	3-1/2

*TiN Coated Center Drills Also Available*



# BPS® End Mills

## Drillpoint End Mills 2 & 4 Flute, 60°, & 90° Drillpoint

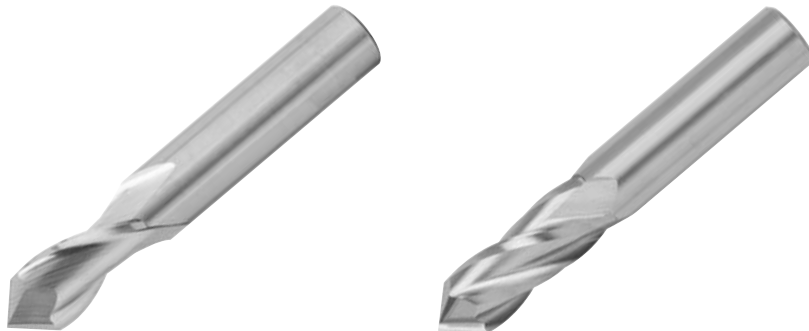


Shank Diameter: +.0000/-.0005"  
 Cutting Diameter: Up to 1/2" +.000/-.002"  
 Over 1/2" +.000/-.003"

Multipurpose tool for Drilling, Milling, Spotting, Chamfering, and Countersinking.

2-FLUTE, 60° TOOL NO.	4-FLUTE, 60° TOOL NO.	CUTTING DIAMTER	SHANK DIAMTER	OVERALL LENGTH	FLUTE LENGTH
B35-125-260 B35-187-260 B35-250-260	B35-125-460 B35-187-460 B35-250-460	1/8 3/16 1/4	1/8 3/16 1/4	1-1/2 2 2-1/2	1/2 5/8 3/4
B35-312-260 B35-375-260 B35-437-260	B35-312-460 B35-375-460 B35-437-460	5/16 3/8 7/16	5/16 3/8 7/16	2-1/2 2-1/2 2-3/4	13/16 1 1
B35-500-260 B35-625-260 B35-750-260	B35-500-460 B35-625-460 B35-750-460	1/2 5/8 3/4	1/2 5/8 3/4	3 3-1/2 4	1 1-1/4 1-1/2

*TiAlN Coated Drill Mills Also Available*



2-FLUTE, 90° TOOL NO.	4-FLUTE, 90° TOOL NO.	CUTTING DIAMTER	SHANK DIAMTER	OVERALL LENGTH	FLUTE LENGTH
B35-125-290 B35-187-290 B35-250-290	B35-125-490 B35-187-490 B35-250-490	1/8 3/16 1/4	1/8 3/16 1/4	1-1/2 2 2-1/2	1/2 5/8 3/4
B35-312-290 B35-375-290 B35-437-290	B35-312-490 B35-375-490 B35-437-490	5/16 3/8 7/16	5/16 3/8 7/16	2-1/2 2-1/2 2-3/4	13/16 1 1
B35-500-290 B35-625-290 B35-750-290	B35-500-490 B35-625-490 B35-750-490	1/2 5/8 3/4	1/2 5/8 3/4	3 3-1/2 4	1 1-1/4 1-1/2

*TiAlN Coated Drill Mills Also Available*