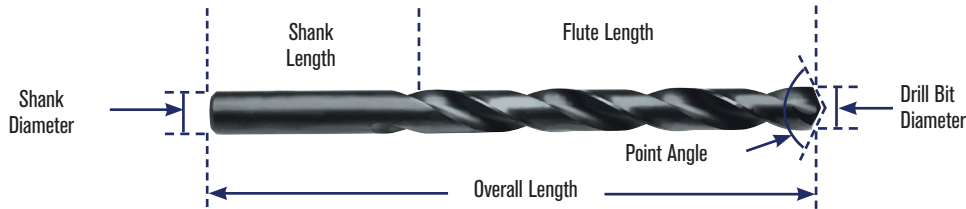


Engineered for Controlled Precision and Speed



Overall Length: The length from the point to the end of the drill bit

Point Angle: The angle of the cutting edges

Drill Diameter: The cutting diameter of the drill bit

Shank Length: The end of the drill bit that is secured by the drill

Flute Length: The length from the point to the end of the flutes

Tip Geometry

118° Conventional Point

- General use
- Not self-centering
- Best for stationary drills
- Performs better in softer materials vs. hard metal

118° Point Angle

135° Split Point

- Self-centering (won't "walk")
- Best for portable drills
- Requires less force than 118°

135° Point Angle

TURBOMAX® Tip

- Self-centering (won't "walk")
- Precision-ground to stay sharp longer and drill faster
- Best for portable drills
- Requires less force than 118°

Drill Bit Selection

Material	Point Angle	Black & Gold (135°)	TURBOMAX® (TURBOMAX®)	Heavy-Duty (135°)	Titanium Nitride (TiN) Coated (135°)	Cobalt (135°)	General Purpose (118°)
Wood/Drywall		●	●	●	●	●	●
Sheet Metal		●	●	●	●	●	●
Mild Steel		●	●	●	●	●	●
High Alloy Steels		●	●	●	●	●	●
Stainless Steel		●	●	●	●	●	●
Cast Iron		●	●	●	●	●	●
Aluminum, Brass & Copper		●	●	●	●	●	●
Plastic		●	●	●	●	●	●

Key: ● Recommended ● Acceptable ● Not Recommended

Metal Drilling

Jobber Length Drill Bits

General Purpose HSS Wire Gauge Straight Shank Jobber Length Drill Bits (Series 811)



81128ZR

- 118° chisel point tip is perfect for general purpose applications.
- Engineered with premium high speed steel in bright finish.
- Ideal for use when non-fractional-sized holes are required. Drills exact-sized hole for tapping applications.
- Straight shank

Applications: Automotive, maintenance and repair, portable drills, stationary drill press

Sets:

Metal index: 80181, 80183

Size	Decimal Equiv.	Flute Length	Overall Length	Carded Item #
No. 1	.2280	2-5/8"	3-7/8"	81101
No. 2	.2210	2-5/8"	3-7/8"	81102
No. 3	.2130	2-1/2"	3-3/4"	81103
No. 4	.2090	2-1/2"	3-3/4"	81104
No. 5	.2055	2-1/2"	3-3/4"	81105
No. 6	.2040	2-1/2"	3-3/4"	81106
No. 7	.2010	2-7/16"	3-5/8"	81107
No. 8	.1990	2-7/16"	3-5/8"	81108
No. 9	.1960	2-7/16"	3-5/8"	81109
No. 10	.1935	2-7/16"	3-5/8"	81110ZR
No. 11	.1910	2-5/16"	3-1/2"	81111
No. 12	.1890	2-5/16"	3-1/2"	81112
No. 13	.1850	2-5/16"	3-1/2"	81113
No. 14	.1820	2-3/16"	3-3/8"	81114
No. 15	.1800	2-3/16"	3-3/8"	81115
No. 16	.1770	2-3/16"	3-3/8"	81116
No. 17	.1730	2-3/16"	3-3/8"	81117
No. 18	.1695	2-1/8"	3-1/4"	81118
No. 19	.1660	2-1/8"	3-1/4"	81119
No. 20	.1610	2-1/8"	3-1/4"	81120ZR
No. 21	.1590	2-1/8"	3-1/4"	81121
No. 22	.1570	2"	3-1/8"	81122ZR
No. 23	.1540	2"	3-1/8"	81123ZR
No. 24	.1520	2"	3-1/8"	81124ZR
No. 25	.1495	1-7/8"	3"	81125
No. 26	.1470	1-7/8"	3"	81126
No. 27	.1440	1-7/8"	3"	81127ZR
No. 28	.1405	1-3/4"	2-7/8"	81128ZR
No. 29	.1360	1-3/4"	2-7/8"	81129
No. 30	.1285	1-5/8"	2-3/4"	81130ZR
No. 31	.1200	1-5/8"	2-3/4"	81131
No. 32	.1160	1-5/8"	2-3/4"	81132
No. 33	.1130	1-1/2"	2-5/8"	81133
No. 34	.1110	1-1/2"	2-5/8"	81134
No. 35	.1100	1-1/2"	2-5/8"	81135
No. 36	.1065	1-7/16"	2-1/2"	81136
No. 37	.1040	1-7/16"	2-1/2"	81137
No. 38	.1015	1-7/16"	2-1/2"	81138
No. 39	.0995	1-3/8"	2-3/8"	81139
No. 40	.0980	1-3/8"	2-3/8"	81140

Size	Decimal Equiv.	Flute Length	Overall Length	Carded Item #
No. 41	.0960	1-3/8"	2-3/8"	81141
No. 42	.0935	1-1/8"	2-1/4"	81142
No. 43	.0890	1-1/8"	2-1/4"	81143
No. 44	.0860	1-1/8"	2-1/8"	81144
No. 45	.0820	1-1/8"	2-1/8"	81145
No. 46	.0810	1-1/8"	2-1/8"	81146
No. 47	.0785	1"	2"	81147
No. 48	.0760	1"	2"	81148
No. 49	.0730	1"	2"	81149
No. 50	.0700	1"	2"	81150
No. 51	.0670	1"	2"	81151
No. 52	.0635	7/8"	1-7/8"	81152
No. 53	.0595	7/8"	1-7/8"	81153ZR
No. 54	.0550	7/8"	1-7/8"	81154
No. 55	.0520	7/8"	1-7/8"	81155
No. 56	.0465	3/4"	1-3/4"	81156
No. 57	.0430	3/4"	1-3/4"	81157ZR
No. 58	.0420	11/16"	1-5/8"	81158
No. 59	.0410	11/16"	1-5/8"	81159ZR
No. 60	.0400	11/16"	1-5/8"	81160
No. 61	.0390	11/16"	1-5/8"	—
No. 62	.0380	5/8"	1-1/2"	—
No. 63	.0370	5/8"	1-1/2"	—
No. 64	.0360	5/8"	1-1/2"	—
No. 65	.0350	5/8"	1-1/2"	—
No. 66	.0330	1/2"	1-3/8"	—
No. 67	.0320	1/2"	1-3/8"	—
No. 68	.0310	1/2"	1-3/8"	—
No. 69	.0292	1/2"	1-3/8"	—
No. 70	.0280	3/8"	1-1/4"	—
No. 71	.0260	3/8"	1-1/4"	—
No. 72	.0250	5/16"	1-1/8"	—
No. 73	.0240	5/16"	1-1/8"	—
No. 74	.0225	1/4"	1"	—
No. 75	.0210	1/4"	1"	—
No. 76	.0200	3/16"	7/8"	—
No. 77	.0180	3/16"	7/8"	—
No. 78	.0160	3/16"	7/8"	—
No. 79	.0145	1/8"	3/4"	—
No. 80	.0135	1/8"	3/4"	—