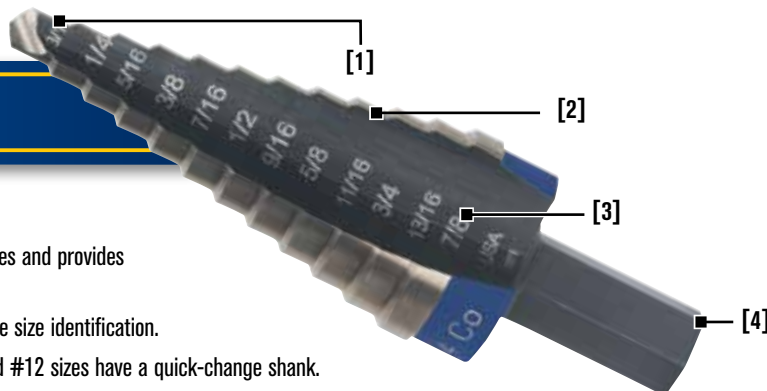


UNIBIT Step Drill Bits — Drill Multiple Hole Sizes with One Bit

IRWIN® UNIBIT® step drill bits are ideal for drilling holes in just about any type of thin material. General purpose high speed steel UNIBIT step drill bits are perfect for use in mild steel, copper, brass, aluminum, plexiglass, wood, and laminate. Our Titanium Nitride-coated (TiN) bits resist heat and friction, which extends the life of the cutting edge six times longer than standard step drills. And, our Cobalt step drill bits are engineered with M35 Cobalt steel for maximum life when drilling in the toughest steel, including stainless steel. Most UNIBIT step drills are designed with a SpeedPoint® tip that guarantees fast starts. They're manufactured with a single-flute cutting edge that drills multiple sizes of true, round holes with precise step control. Plus, the hole sizes are permanently laser-etched on the inside of the flute, so they can be easily identified throughout the life of the bit.

UNIBIT STEP DRILL BIT FEATURES

1. SpeedPoint® tip for fast starts.
2. Geometry of single-flute cutting edge drills true, round holes and provides maximum step control.
3. Laser-etched sizes inside flute for easy and permanent hole size identification.
4. Hex-shaped shank secures easily in drill. #1, #2, #10, and #12 sizes have a quick-change shank.



UNIBIT Application Guide

Cobalt	Titanium Nitride (TiN)	High Speed Steel (HSS)
Stainless Steel or Other Tough Materials	Repetitive Drilling	General Use

UNIBIT Cobalt HSS



10231CB

- Engineered with M35 Cobalt steel for maximum life when drilling in tough steel.
- SpeedPoint® tip for fast starts.*

Description	# of Hole Sizes	Hex Shank Size	Carded Item #
#1 1/8" - 1/2" (1/32" steps)	13	1/4"	10231CB
#2 3/16" - 1/2" (1/16" steps)	6	1/4"	10232CB
#3 1/4" - 3/4" (1/16" steps)	9	3/8"	10233CB
#4 3/16" - 7/8" (1/16" steps)	12	3/8"	10234CB
#9 7/8" and 1-1/8" for (1/2" and 3/4") K0	2	7/16"	10239CB
#20 9/16" - 1" (1/16") Inc - Hole Enlarging	8	7/16"	10220CB
#1M 4 mm - 12 mm (1 mm steps)	9	1/4"	11101CB
#2M 4 mm - 12 mm (2 mm steps)	5	1/4"	11102CB
#3M 6 mm - 18 mm (2 mm steps)	7	3/8"	11103CB
#4M 4 mm - 22 mm (2 mm steps)	10	3/8"	11104CB

UNIBIT HSS Fractional Titanium Nitride (TiN) Coated



15101ZR

- Titanium Nitride coating resists heat and friction, extending the cutting edge life up to six times longer than other high speed steel step drill bits.
- SpeedPoint® tip for fast starts.*

Set: 15502

Description	# of Hole Sizes	Hex Shank Size	Carded Item #
#1T 1/8" - 1/2" (1/32" steps)	13	1/4"	15101ZR
#2T 3/16" - 1/2" (1/16" steps)	6	1/4"	15102ZR
#3T 1/4" - 3/4" (1/16" steps)	9	3/8"	15103ZR
#4T 3/16" - 7/8" (1/16" steps)	12	3/8"	15104
#13T 1-1/8" (single hole)	1	7/16"	15313
#20T 9/16" - 1" (hole enlarging)	8	7/16"	15200
#21T 13/16" - 1-3/8" (hole enlarging)	10	7/16"	15221

▲ — SpeedPoint™ Tip

*included on all self-starting sizes except for #1

UNIBIT® HSS Metric Titanium Nitride (TiN) Coated



16103

- Titanium Nitride coating resists heat and friction, extending the cutting edge life up to six times longer than other high speed steel step drill bits.
- SpeedPoint® tip for fast starts.*



Description	# of Hole Sizes	Hex Shank Size	Carded Item #
#1MT 4 mm - 12 mm (1 mm steps)	9	1/4"	16101
#2MT 4 mm - 12 mm (2 mm steps)	5	1/4"	16102
#3MT 6 mm - 18 mm (2 mm steps)	7	3/8"	16103
#4MT 4 mm - 22 mm (2 mm steps)	10	3/8"	16104
#5MT 5 mm - 35 mm (2 - 3 mm steps)	13	7/16"	16105

UNIBIT HSS Fractional



10234

- SpeedPoint® tip for fast starts.*
- Geometry of single-flute cutting edge drills true, round holes and provides maximum step control.

Sets: 10225, 10228, 10502



Description	# of Hole Sizes	Hex Shank Size	Carded Item #
#1 1/8" - 1/2" (1/32" steps)	13	1/4"	10231
#2 3/16" - 1/2" (1/16" steps)	6	1/4"	10232
#3 1/4" - 3/4" (1/16" steps)	9	3/8"	10233
#4 3/16" - 7/8" (1/16" steps)	12	3/8"	10234
#5 1/4" - 1-3/8" (1/8" steps)	10	7/16"	10235
#9 7/8" and 1-1/8" (1/2" and 3/4" Knock-Out)	2	7/16"	10239
#10 1/2" (single hole)	1	1/4"	10310
#11 7/8" (single hole)	1	3/8"	10311ZR
#12 3/8" (single hole)	1	1/4"	10312ZR
#13 1-1/8" (single hole)	1	7/16"	10313ZR
#14 1-7/32" (single hole)	1	7/16"	10314
#20 9/16" - 1" (hole enlarging)	8	7/16"	10220
#21 13/16" - 1-3/8" (hole enlarging)	10	7/16"	10221

UNIBIT HSS Metric



11101ZR

- SpeedPoint® tip for fast starts.*
- Geometry of single-flute cutting edge drills true, round holes and provides maximum step control.



Description	# of Hole Sizes	Hex Shank Size	Carded Item #
#1M 4 mm - 12 mm (1 mm steps)	9	1/4"	11101ZR
#2M 4 mm - 12 mm (2 mm steps)	5	1/4"	11102
#3M 6 mm - 18 mm (2 mm steps)	7	3/8"	11103
#4M 4 mm - 22 mm (2 mm steps)	10	3/8"	11104
#5M 5 mm - 35 mm (2-3 mm steps)	13	7/16"	11105ZR
#20M 14 mm - 24 mm (hole enlarging)	6	7/16"	11580
#21M 20 mm - 34 mm (hole enlarging)	8	7/16"	11581
PG29M 5 mm - 28.3 mm	10	7/16"	11194
29 mm 5 mm - 29 mm	10	7/16"	11195

UNIBIT Sets



10502CB

Description	Type	Contents	Item #
4-Piece Set	High Speed Steel Set	#1, 2, 4 & 21	10225
4-Piece Set	High Speed Steel Set w/#1 TiN	#1, 2 & 3 plus #1T	10228
3-Piece Set	High Speed Steel Set	#1, 2 & 3	10502ZR
3-Piece Set	Titanium Nitride Coated Set	#1T, 2T & 3T	15502
3-Piece Set	Cobalt Set	#1C, 2C & 3C	10502CB
9-Piece Set	Unibit/TiN Turbomax Set	#1, #4 & 7-Piece TiN (1/16", 3/32", 1/8", 3/16", 7/32", 1/4", 3/8")	3018008

▲ — SpeedPoint™ Tip

*included on all self-starting sizes except for #1