



Nothing but **HEAVY DUTY.**

# Power Tool Accessories

## MULTI-TOOL ACCESSORIES

### CUTTING ACCESSORIES



#### OVERVIEW

Made in the USA and designed with a Universal Shank\*, Milwaukee® Multi-Tool Accessories are compatible with most professional grade multi-tools. With an extended 2-5/8" blade for deeper cutting applications, the 1-1/4" Extended Multi-Tool Blade is ideal for cutting wood and hardwood.

#### CUTTING ACCESSORIES

Description	SKU
1-1/4" Bi-Metal Multi-Tool Blade	48-90-0040
1-1/4" Carbide Grit Multi-Tool Blade	48-90-0110
1-1/4" Extended Multi-Tool Blade	48-90-0010
1-1/4" Hard Point Multi-Tool Blade	48-90-0030
1-1/4" Japanese Tooth Multi-Tool Blade	48-90-0055
1-1/8" Titanium Multi-Tool Blade	48-90-0025
1-3/4" Titanium Multi-Tool Blade	48-90-0020
2-1/2" Bi-Metal Multi-Tool Blade	48-90-0050
2-1/2" Carbide Grit Segment Multi-Tool Blade	48-90-0100
220 Grit Sand Paper for Multi-Tool	48-90-2220
3/4" Multi-Tool Blade	48-90-0015
3-1/8" Segment Multi-Tool Blade	48-90-0045
3-1/8" Titanium Segment Multi-Tool Blade	48-90-0035
Multi-Tool Blade Kit	48-90-1000

## MULTI-TOOL MATERIAL REMOVAL ACCESSORIES

### MULTI-TOOL MATERIAL REMOVAL ACCESSORIES

Description	SKU
10PC 1-1/4" Bi-Metal Multi-Tool Blade	48-90-4040
10PC 2-1/2" Bi-Metal Multi-Tool Blade	48-90-4050
10PC Fine Point Multi-Tool Blades	48-90-4015

## MULTI-TOOL MATERIAL REMOVAL ACCESSORIES

Description	SKU
10PC Hard Point Multi-Tool Blades	48-90-4030
10PC Japanese Tooth Multi-Tool Blade	48-90-4055
120 Grit Sand Paper for Multi-Tool	48-90-2120
60 Grit Sand Paper for Multi-Tool	48-90-2060
6PC Multi-Tool Blade Kit	48-90-1006
80 Grit Sand Paper for Multi-Tool	48-90-2080
9PC Multi-Tool Blade Kit	48-90-1009
Multi-Tool Sanding Pad	48-90-2000
Scraper Blade	48-90-0060

## MULTI-TOOL ACCESSORY KITS

### MULTI-TOOL ACCESSORY KITS

Description	Includes	SKU
Assorted Blade Kit		48-90-1050
Universal Multi-Tool Blade Adaptor		48-90-0000

## MULTI-TOOL ACCESSORIES

### MULTI-TOOL ACCESSORIES

Description	SKU
Depth Stop	49-90-2410
Dust Extraction Kit	49-90-2400

## TWIST DRILL BITS

### SHOCKWAVE™ RED HELIX™ TITANIUM HEX DRILL BITS



#### OVERVIEW

Milwaukee® SHOCKWAVE™ Impact Duty Titanium Drill Bits with RED HELIX™ are engineered for impacts and drills. Designed with a Variable Helix™ with an aggressive 35° Helix Angle which ends at 15°, the Impact Duty Titanium Drill bits with RED HELIX™ provide Rapid Chip Removal™ to limit heat buildup to Stay Sharper Longer™. The 135° split point tip delivers a precision start and prevents walking for fast, accurate holes. Titanium coating can be used in all drilling applications to give you up to 3X life vs. Black Oxide Drill Bits™.

## FEATURES

- Titanium Coating for 3X Life vs. Black Oxide
- SHOCKWAVE™ Impact Duty, Engineered for Drills and Impacts
- RED HELIX™ Design for Rapid Chip Removal™

### SHOCKWAVE™ RED HELIX™ TITANIUM HEX DRILL BITS

Diameter	Shank	Variable Helix	Chip Breaker	SKU
1/16"	1/4" Hex			48-89-4601
5/64"	1/4" Hex			48-89-4602
3/32"	1/4" Hex			48-89-4603
7/64"	1/4" Hex			48-89-4604
1/8"	1/4" Hex	X		48-89-4605
9/64"	1/4" Hex	X		48-89-4606
5/32"	1/4" Hex	X		48-89-4607
11/64"	1/4" Hex	X		48-89-4608
3/16"	1/4" Hex	X	X	48-89-4609
13/64"	1/4" Hex	X	X	48-89-4610
7/32"	1/4" Hex	X	X	48-89-4611
15/64"	1/4" Hex	X	X	48-89-4612
1/4"	1/4" Hex	X	X	48-89-4613
17/64"	1/4" Hex	X	X	48-89-4614
9/32"	1/4" Hex	X	X	48-89-4615
19/64"	1/4" Hex	X	X	48-89-4616
5/16"	1/4" Hex	X	X	48-89-4617
21/64"	1/4" Hex	X	X	48-89-4618
11/32"	1/4" Hex	X	X	48-89-4619
23/64"	1/4" Hex	X	X	48-89-4620
3/8"	1/4" Hex	X	X	48-89-4621
25/64"	1/4" Hex	X	X	48-89-4622
13/32"	1/4" Hex	X	X	48-89-4623
27/64"	1/4" Hex	X	X	48-89-4624
7/16"	1/4" Hex	X	X	48-89-4625
29/64"	1/4" Hex	X	X	48-89-4626
15/32"	1/4" Hex	X	X	48-89-4627
1/2"	1/4" Hex	X	X	48-89-4629

### SHOCKWAVE™ RED HELIX™ TITANIUM HEX DRILL BIT KITS

Description	Includes	SKU
Kit 15 PC TiN SHOCKWAVE™	(1) 1/16" Titanium SHOCKWAVE™ (48-89-4601) (1) 5/64" Titanium SHOCKWAVE™ (48-89-4602) (1) 3/32" Titanium SHOCKWAVE™ (48-89-4603) (1) 7/64" Titanium SHOCKWAVE™ (48-89-4604) (2) 1/8" Titanium SHOCKWAVE™ (48-89-4605) (1) 9/64" Titanium SHOCKWAVE™ (48-89-4606) (1) 5/32" Titanium SHOCKWAVE™ (48-89-4607) (2) 3/16" Titanium SHOCKWAVE™ (48-89-4609) (1) 7/32" Titanium SHOCKWAVE™ (48-89-4611) (1) 1/4" Titanium SHOCKWAVE™ (48-89-4613) (1) 5/16" Titanium SHOCKWAVE™ (48-89-4617) (1) 3/8" Titanium SHOCKWAVE™ (48-89-4621) (1) 1/2" Titanium SHOCKWAVE™ (48-89-4629)	48-89-4630
Kit 23 PC TiN SHOCKWAVE™	(2) 1/16" Titanium SHOCKWAVE™ (48-89-4601) (2) 5/64" Titanium SHOCKWAVE™ (48-89-4602) (1) 3/32" Titanium SHOCKWAVE™ (48-89-4603) (2) 7/64" Titanium SHOCKWAVE™ (48-89-4604) (2) 1/8" Titanium SHOCKWAVE™ (48-89-4605)	48-89-4631

## SHOCKWAVE™ RED HELIX™ TITANIUM HEX DRILL BIT KITS

Description	Includes	SKU
	(1) 9/64" Titanium SHOCKWAVE™ (48-89-4606) (2) 5/32" Titanium SHOCKWAVE™ (48-89-4607) (1) 11/64" Titanium SHOCKWAVE™ (48-89-4608) (2) 3/16" Titanium SHOCKWAVE™ (48-89-4609) (1) 13/64" Titanium SHOCKWAVE™ (48-89-4610) (1) 7/32" Titanium SHOCKWAVE™ (48-89-4611) (2) 1/4" Titanium SHOCKWAVE™ (48-89-4613) (1) 5/16" Titanium SHOCKWAVE™ (48-89-4617) (1) 3/8" Titanium SHOCKWAVE™ (48-89-4621) (1) 1/2" Titanium SHOCKWAVE™ (48-89-4629)	
Kit 29 PC TiN SHOCKWAVE™	(1) 1/16" Titanium SHOCKWAVE™ (48-89-4601) (1) 5/64" Titanium SHOCKWAVE™ (48-89-4602) (1) 3/32" Titanium SHOCKWAVE™ (48-89-4603) (1) 7/64" Titanium SHOCKWAVE™ (48-89-4604) (1) 1/8" Titanium SHOCKWAVE™ (48-89-4605) (1) 9/64" Titanium SHOCKWAVE™ (48-89-4606) (1) 5/32" Titanium SHOCKWAVE™ (48-89-4607) (1) 11/64" Titanium SHOCKWAVE™ (48-89-4608) (1) 3/16" Titanium SHOCKWAVE™ (48-89-4609) (1) 13/64" Titanium SHOCKWAVE™ (48-89-4610) (1) 7/32" Titanium SHOCKWAVE™ (48-89-4611) (1) 15/64" Titanium SHOCKWAVE™ (48-89-4612) (1) 1/4" Titanium SHOCKWAVE™ (48-89-4613) (1) 17/64" Titanium SHOCKWAVE™ (48-89-4614) (1) 9/32" Titanium SHOCKWAVE™ (48-89-4615) (1) 19/64" Titanium SHOCKWAVE™ (48-89-4616) (1) 5/16" Titanium SHOCKWAVE™ (48-89-4617) (1) 21/64" Titanium SHOCKWAVE™ (48-89-4618) (1) 11/32" Titanium SHOCKWAVE™ (48-89-4619) (1) 23/64" Titanium SHOCKWAVE™ (48-89-4620) (1) 3/8" Titanium SHOCKWAVE™ (48-89-4621) (1) 25/64" Titanium SHOCKWAVE™ (48-89-4622) (1) 27/64" Titanium SHOCKWAVE™ (48-89-4624) (1) 7/16" Titanium SHOCKWAVE™ (48-89-4625) (1) 15/32" Titanium SHOCKWAVE™ (48-89-4627) (1) 1/2" Titanium SHOCKWAVE™ (48-89-4629)	48-89-4632

## RED HELIX™ COBALT DRILL BITS



### OVERVIEW

Milwaukee® Cobalt RED HELIX™ Drill Bits are engineered for extreme durability and long life in hard metal applications. Designed with a Variable Helix™ that includes an aggressive 35° Helix Angle which ends at 15°, the Cobalt bits with RED HELIX™ provide Rapid Chip Removal™ limiting heat buildup to Stay Sharper Longer™. The 135° split point tip delivers a precision start and prevents walking for fast, accurate holes. Ideal for tough applications and provide Up to 10X life vs. Black Oxide Drill Bits™ but can be used in all twist drilling applications.

### FEATURES

- Up to 10X Life vs. Black Oxide
- RED HELIX™ Design for Rapid Chip Removal™
- 135° split point for precision start no walking

RED HELIX™ COBALT DRILL BITS

Diameter	Shank	Variable Helix	Chip Breaker	SKU
1/16"	Round			48-89-2301
5/64"	Round			48-89-2302
3/32"	Round			48-89-2303
7/64"	Round			48-89-2304
1/8"	Round	X		48-89-2305
9/64"	Round	X		48-89-2306
5/32"	Round			48-89-2307
11/64"	Round	X		48-89-2308
3/16"	3-Flat	X	X	48-89-2309
13/64"	3-Flat	X	X	48-89-2310
7/32"	3-Flat	X	X	48-89-2311
15/64"	3-Flat	X	X	48-89-2312
1/4"	3-Flat	X	X	48-89-2313
17/64"	3-Flat	X	X	48-89-2314
9/32"	3-Flat	X	X	48-89-2315
19/64"	3-Flat	X	X	48-89-2316
5/16"	3-Flat	X	X	48-89-2317
21/64"	3-Flat	X	X	48-89-2318
11/32"	3-Flat	X	X	48-89-2319
23/64"	3-Flat	X	X	48-89-2320
3/8"	3-Flat	X	X	48-89-2321
25/64"	3/8" Reduced 3-Flat	X	X	48-89-2322
27/64"	3/8" Reduced 3-Flat	X	X	48-89-2324
7/16"	3/8" Reduced 3-Flat	X	X	48-89-2325
29/64"	3/8" Reduced 3-Flat	X	X	48-89-2326
15/32"	3/8" Reduced 3-Flat	X	X	48-89-2327
13/32"	3/8" Reduced 3-Flat	X	X	48-89-2323
1/2"	3/8" Reduced 3-Flat	X	X	48-89-2329

RED HELIX™ COBALT DRILL BIT KIT

Description	Includes	SKU
15 Piece Cobalt RED HELIX™ Kit	(1) 1/16" COBALT RED HELIX™ Drill Bit (48-89-2301) (1) 5/64" COBALT RED HELIX™ Drill Bit (48-89-2302) (1) 3/32" COBALT RED HELIX™ Drill Bit (48-89-2303) (1) 7/64" COBALT RED HELIX™ Drill Bit (48-89-2304) (2) 1/8" COBALT RED HELIX™ Drill Bit (48-89-2305) (1) 9/64" COBALT RED HELIX™ Drill Bit (48-89-2306) (1) 5/32 Milwaukee® Thunderbolt® Cobalt Drill Bit (48-89-2307) (1) 3/16" COBALT RED HELIX™ (48-89-2309) (1) 7/32" COBALT RED HELIX™ (48-89-2311) (2) 1/4" COBALT RED HELIX™ (48-89-2313) (1) 5/16 Milwaukee® Thunderbolt® Cobalt Drill Bit (48-89-2317) (1) 3/8" COBALT RED HELIX™ (48-89-2321) (1) 1/2 Milwaukee® Thunderbolt® Cobalt Drill Bit (48-89-2329)	48-89-2331

THUNDERBOLT® TITANIUM-COATED DRILL BITS



## OVERVIEW

Milwaukee® Thunderbolt® Titanium coated drill bits are designed for extreme durability and up to 3X longer life. The Thunderbolt web features a thicker core than a standard drill bit to provide ultimate strength and protect against side-load breakage. The titanium coating reduces heat build-up and keeps the bit sharp to extend performance. A specially designed parabolic flute form clears chips and debris fast to keep the bit cool. The 135° split point tip delivers a precision start and prevents walking for fast, accurate holes. Effective for drilling on curved surfaces, Milwaukee Thunderbolt Titanium Coated bits require less effort to drill through wood, metal and PVC, and are highly recommended for use with portable drills. Includes two bits.

## FEATURES

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- Longer life: Titanium coating reduces heat build-up for up to 3X longer life
- Extreme durability: Thicker web provides greater strength
- Fast, accurate drilling: 135° split point tip starts on contact to prevent walking, while the parabolic flute clears chips fast

### THUNDERBOLT® TITANIUM COATED DRILL BITS

Diameter	Shank	SKU
1/16"	Round	48-89-2201
5/64"	Round	48-89-2202
3/32"	Round	48-89-2203
7/64"	Round	48-89-2204
1/8"	Round	48-89-2205
9/64"	Round	48-89-2206
5/32"	Round	48-89-2207
11/64"	Round	48-89-2208
3/16"	Round	48-89-2209
13/64"	3-Flat	48-89-2210
7/32"	3-Flat	48-89-2211
15/64"	3-Flat	48-89-2212
1/4"	3-Flat	48-89-2213
17/64"	3-Flat	48-89-2214
9/32"	3-Flat	48-89-2215
19/64"	3-Flat	48-89-2216
5/16"	3-Flat	48-89-2217
21/64"	3-Flat	48-89-2218
11/32"	3-Flat	48-89-2219
23/64"	3-Flat	48-89-2220
3/8"	3-Flat	48-89-2221
25/64"	3/8" Reduced 3-Flat	48-89-2222
27/64"	3/8" Reduced 3-Flat	48-89-2224
7/16"	3/8" Reduced 3-Flat	48-89-2225
29/64"	3/8" Reduced 3-Flat	48-89-2226

**THUNDERBOLT® TITANIUM COATED DRILL BITS**

Diameter	Shank	SKU
15/32"	3/8" Reduced 3-Flat	48-89-2227
13/32"	3/8" Reduced 3-Flat	48-89-2223
31/64"	3/8" Reduced 3-Flat	48-89-2228
1/2"	3/8" Reduced 3-Flat	48-89-2229

**THUNDERBOLT® TITANIUM-COATED DRILL BIT KITS**

Description	Includes	SKU
Thunderbolt® Titanium Coated Drill Bits (14 PC)	(1) 1/16" Thunderbolt® Titanium Coated Drill Bit (48-89-2201) (1) 5/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2202) (1) 3/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2203) (1) 7/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2204) (2) 1/8" Thunderbolt® Titanium Coated Drill Bit (48-89-2205) (1) 9/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2206) (1) 5/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2207) (1) 3/16" Thunderbolt® Titanium Coated Drill Bit (48-89-2209) (1) 7/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2211) (1) 1/4" Thunderbolt® Titanium Coated Drill Bit (48-89-2213) (1) 5/16" Thunderbolt® Titanium Coated Drill Bit (48-89-2217) (1) 3/8" Thunderbolt® Titanium Coated Drill Bit (48-89-2221) (1) 1/2 Milwaukee® Thunderbolt® Titanium Coated Drill Bit (48-89-2229)	48-89-0011
Thunderbolt® Titanium Coated Drill Bits (29 PC)	(1) 1/16" Thunderbolt® Titanium Coated Drill Bit (48-89-2201) (1) 5/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2202) (1) 3/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2203) (1) 7/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2204) (1) 1/8" Thunderbolt® Titanium Coated Drill Bit (48-89-2205) (1) 9/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2206) (1) 5/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2207) (1) 11/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2208) (1) 3/16" Thunderbolt® Titanium Coated Drill Bit (48-89-2209) (1) 13/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2210) (1) 7/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2211) (1) 15/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2212) (1) 1/4" Thunderbolt® Titanium Coated Drill Bit (48-89-2213) (1) 17/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2214) (1) 9/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2215) (1) 19/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2216) (1) 5/16" Thunderbolt® Titanium Coated Drill Bit (48-89-2217) (1) 21/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2218) (1) 11/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2219) (1) 23/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2220) (1) 3/8" Thunderbolt® Titanium Coated Drill Bit (48-89-2221) (1) 25/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2222) (1) 13/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2223) (1) 27/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2224) (1) 7/16" Thunderbolt® Titanium Coated Drill Bit (48-89-2225) (1) 29/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2226) (1) 15/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2227) (1) 31/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2228) (1) 1/2 Milwaukee® Thunderbolt® Titanium Coated Drill Bit (48-89-2229)	48-89-0012
Thunderbolt® Titanium Drill Bit Set (20 PC)	(2) 1/16" Thunderbolt® Titanium Coated Drill Bit (48-89-2201) (2) 5/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2202) (2) 3/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2203) (2) 7/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2204) (2) 1/8" Thunderbolt® Titanium Coated Drill Bit (48-89-2205) (1) 9/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2206) (1) 5/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2207) (1) 11/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2208) (1) 3/16" Thunderbolt® Titanium Coated Drill Bit (48-89-2209) (1) 13/64" Thunderbolt® Titanium Coated Drill Bit (48-89-2210) (1) 7/32" Thunderbolt® Titanium Coated Drill Bit (48-89-2211) (1) 1/4" Thunderbolt® Titanium Coated Drill Bit (48-89-2213) (1) 5/16" Thunderbolt® Titanium Coated Drill Bit (48-89-2217) (1) 3/8" Thunderbolt® Titanium Coated Drill Bit (48-89-2221) (1) 1/2 Milwaukee® Thunderbolt® Titanium Coated Drill Bit (48-89-2229)	48-89-1105

**TITANIUM SILVER AND DEMING DRILL BITS**

## TITANIUM SILVER AND DEMING DRILL BITS

Diameter	Shank	SKU
3/4"	3-Flat (1/2")	48-89-4640
5/8"	3-Flat (1/2")	48-89-4636
9/16"	3-Flat (1/2")	48-89-4634

## THUNDERBOLT® BLACK OXIDE DRILL BITS



### OVERVIEW

Milwaukee® Thunderbolt® Black Oxide jobber length drill bits are designed for extreme durability and long life. The Thunderbolt web features a thicker core than a standard drill bit to provide ultimate strength and protect against side-load breakage. A specially designed parabolic flute form clears chips and debris fast to keep the bit cool. The 135° split point tip delivers a precision start and prevents walking for fast, accurate holes. Effective for drilling on curved surfaces, Milwaukee Thunderbolt Black Oxide bits require less effort to drill through metal, wood and PVC, and are highly recommended for use with portable drills. Includes 2 bits.

### FEATURES

- Extreme durability: Thicker web provides greater strength and longer life
- Fast, accurate drilling: 135° split point tip starts on contact to prevent walking, while the parabolic flute clears chips fast
- Corrosion resistant: Black oxide coating provides lubricity and resists corrosion of the bit

		Thunderbolt® Black Oxide Drill Bits		
Diameter	Shank	1 Pack	12 Pack	6 Pack
1/16"	Round	48-89-2710	48-89-2820	
5/64"	Round	48-89-2711	48-89-2821	
3/32"	Round	48-89-2712	48-89-2822	
7/64"	Round	48-89-2713	48-89-2823	
1/8"	Round	48-89-2714	48-89-2824	
9/64"	Round	48-89-2715	48-89-2825	
5/32"	Round	48-89-2716	48-89-2826	
11/64"	Round	48-89-2717	48-89-2827	
3/16"	Round	48-89-2718	48-89-2828	
13/64"	3-Flat	48-89-2719	48-89-2829	
7/32"	3-Flat	48-89-2720	48-89-2830	
15/64"	3-Flat	48-89-2721	48-89-2831	
1/4"	3-Flat	48-89-2722	48-89-2832	
17/64"	3-Flat	48-89-2723		48-89-2833
9/32"	3-Flat	48-89-2724		48-89-2834
19/64"	3-Flat	48-89-2725		48-89-2835
5/16"	3-Flat	48-89-2726		48-89-2836
21/64"	3-Flat	48-89-2727		48-89-2837



**Thunderbolt® Black Oxide Drill Bits**

Diameter	Shank	1 Pack	12 Pack	6 Pack
11/32"	3-Flat	48-89-2728		48-89-2838
23/64"	3-Flat	48-89-2729		48-89-2839
3/8"	3-Flat	48-89-2730		48-89-2840
25/64"	3/8" Reduced 3-Flat	48-89-2731		48-89-2841
27/64"	3/8" Reduced 3-Flat	48-89-2733		48-89-2843
7/16"	3/8" Reduced 3-Flat	48-89-2734		48-89-2844
29/64"	3/8" Reduced 3-Flat	48-89-2735		48-89-2845
15/32"	3/8" Reduced 3-Flat	48-89-2736		48-89-2846
13/32"	3/8" Reduced 3-Flat	48-89-2732		48-89-2842
31/64"	3/8" Reduced 3-Flat	48-89-2737		48-89-2847
1/2"	3/8" Reduced 3-Flat	48-89-2738		48-89-2848

**THUNDERBOLT® BLACK OXIDE DRILL BIT KITS**

Description	Includes	SKU
Thunderbolt® Black Oxide Drill Bit Set (15 PC)	(1) 1/16" Thunderbolt Black Oxide Drill Bit (1) 11/64" Thunderbolt Black Oxide Drill Bit (1) 13/64" Thunderbolt Black Oxide Drill Bit (1) 1/4" Thunderbolt Black Oxide Drill Bit (1) 1/8" Thunderbolt Black Oxide Drill Bit (1) 3/16" Thunderbolt Black Oxide Drill Bit (1) 3/32" Thunderbolt Black Oxide Drill Bit (1) 3/8" Thunderbolt Black Oxide Drill Bit (1) 5/16" Thunderbolt Black Oxide Drill Bit (1) 5/32" Thunderbolt Black Oxide Drill Bit (1) 5/64" Thunderbolt Black Oxide Drill Bit (1) 7/32" Thunderbolt Black Oxide Drill Bit (1) 7/64" Thunderbolt Black Oxide Drill Bit (1) 9/32" Thunderbolt Black Oxide Drill Bit (1) 9/64" Thunderbolt Black Oxide Drill Bit	48-89-2803
Thunderbolt® Black Oxide Drill Bit Set (21 PC)	(2) 1/16" Thunderbolt Black Oxide Drill Bit (1) 11/64" Thunderbolt Black Oxide Drill Bit (1) 1/2" Thunderbolt Black Oxide Drill Bit (1) 13/64" Thunderbolt Black Oxide Drill Bit (2) 1/4" Thunderbolt Black Oxide Drill Bit (1) 15/64" Thunderbolt Black Oxide Drill Bit (2) 1/8" Thunderbolt Black Oxide Drill Bit (2) 3/16" Thunderbolt Black Oxide Drill Bit (1) 3/32" Thunderbolt Black Oxide Drill Bit (1) 3/8" Thunderbolt Black Oxide Drill Bit (1) 5/16" Thunderbolt Black Oxide Drill Bit (1) 5/32" Thunderbolt Black Oxide Drill Bit (2) 5/64" Thunderbolt Black Oxide Drill Bit (1) 7/32" Thunderbolt Black Oxide Drill Bit (1) 7/64" Thunderbolt Black Oxide Drill Bit (1) 9/64" Thunderbolt Black Oxide Drill Bit	48-89-2801
Thunderbolt® Black Oxide Drill Bit Set (29 PC)	(1) 11/32" Thunderbolt Black Oxide Drill Bit (1) 1/16" Thunderbolt Black Oxide Drill Bit (1) 11/64" Thunderbolt Black Oxide Drill Bit (1) 1/2" Thunderbolt Black Oxide Drill Bit (1) 13/32" Thunderbolt Black Oxide Drill Bit (1) 13/64" Thunderbolt Black Oxide Drill Bit (1) 1/4" Thunderbolt Black Oxide Drill Bit (1) 15/32" Thunderbolt Black Oxide Drill Bit (1) 15/64" Thunderbolt Black Oxide Drill Bit (1) 17/64" Thunderbolt Black Oxide Drill Bit (1) 1/8" Thunderbolt Black Oxide Drill Bit (1) 19/64" Thunderbolt Black Oxide Drill Bit (1) 21/64" Thunderbolt Black Oxide Drill Bit (1) 23/64" Thunderbolt Black Oxide Drill Bit (1) 25/64" Thunderbolt Black Oxide Drill Bit (1) 27/64" Thunderbolt Black Oxide Drill Bit (1) 29/64" Thunderbolt Black Oxide Drill Bit (1) 3/16" Thunderbolt Black Oxide Drill Bit (1) 31/64" Thunderbolt Black Oxide Drill Bit (1) 3/32" Thunderbolt Black Oxide Drill Bit	48-89-2802

## THUNDERBOLT® BLACK OXIDE DRILL BIT KITS

Description	Includes	SKU
	(1) 3/8" Thunderbolt Black Oxide Drill Bit	
	(1) 5/16" Thunderbolt Black Oxide Drill Bit	
	(1) 5/32" Thunderbolt Black Oxide Drill Bit	
	(1) 5/64" Thunderbolt Black Oxide Drill Bit	
	(1) 7/16" Thunderbolt Black Oxide Drill Bit	
	(1) 7/32" Thunderbolt Black Oxide Drill Bit	
	(1) 7/64" Thunderbolt Black Oxide Drill Bit	
	(1) 9/32" Thunderbolt Black Oxide Drill Bit	
	(1) 9/64" Thunderbolt Black Oxide Drill Bit	

## S & D BLACK OXIDE DRILL BITS



### OVERVIEW

Milwaukee® S&D Black Oxide drill bits are designed for extreme durability and long life. A specially designed parabolic flute form clears chips fast, while the 3-Flat Secure-Grip™ shank holds the bit firmly in the drill chuck. The 135° split point tip delivers a precision start and prevents walking for fast, accurate holes. Effective for drilling on curved surfaces, Milwaukee Black Oxide bits require less effort to drill through metal, wood and PVC, and are highly recommended for use with portable drills.

### FEATURES

- Fast, accurate drilling: 135° split point tip starts on contact to prevent walking, while the parabolic flute clears chips fast
- Reduced slipping: 3-Flat Secure-Grip™ shank holds the bit firmly in the drill chuck
- Corrosion resistant: Black oxide coating provides lubricity and resists corrosion of the bit

### S & D BLACK OXIDE DRILL BITS

Diameter	Shank	SKU
17/32"	3-Flat (1/2")	48-89-2739
9/16"	3-Flat (1/2")	48-89-2740
19/32"	3-Flat (1/2")	48-89-2741
5/8"	3-Flat (1/2")	48-89-2742
21/32"	3-Flat (1/2")	48-89-2743
11/16"	3-Flat (1/2")	48-89-2744
23/32"	3-Flat (1/2")	48-89-2745
3/4"	3-Flat (1/2")	48-89-2746
25/32"	3-Flat (1/2")	48-89-2747
13/16"	3-Flat (1/2")	48-89-2748
27/32"	3-Flat (1/2")	48-89-2749
7/8"	3-Flat (1/2")	48-89-2750
15/16"	3-Flat (1/2")	48-89-2752
31/32"	3-Flat (1/2")	48-89-2753
29/32"	3-Flat (1/2")	48-89-2751

## S & D BLACK OXIDE DRILL BITS

Diameter	Shank	SKU
1"	3-Flat (1/2")	48-89-2754
1-1/16"	3-Flat (1/2")	48-89-2755
1-1/8"	3-Flat (1/2")	48-89-2756
1-3/16"	3-Flat (1/2")	48-89-2757
1-1/4"	3-Flat (1/2")	48-89-2758

## AIRCRAFT LENGTH BLACK OXIDE DRILL BITS



### OVERVIEW

Milwaukee Aircraft Length Black Oxide drill bits are ideal for extra reach and deep drilling applications in metal, wood and PVC. The 135° split point tip delivers a precision start and prevents walking for fast, accurate holes.

### FEATURES

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- Fast, accurate drilling: 135° split point tip starts on contact to prevent walking
- Corrosion resistant: Black oxide coating provides lubricity and resists corrosion of the bit
- Versatile: Extended length for hard to reach areas

## AIRCRAFT LENGTH BLACK OXIDE DRILL BITS

Diameter	Shank	SKU
1/8"	3-Flat	48-89-2770
3/16"	3-Flat	48-89-2771
1/4"	3-Flat	48-89-2772
5/16"	3-Flat	48-89-2773
3/8"	3-Flat	48-89-2774
7/16"	3-Flat	48-89-2775
1/2"	3-Flat	48-89-2776