



Nothing but **HEAVY DUTY**®

THUNDERBOLT® BLACK OXIDE DRILL BIT SETS



| 14 Pc THUNDERBOLT® Black Oxide Drill Bit Set 48-89-2800 | 15 Pc THUNDERBOLT® Black Oxide Drill Bit Set 48-89-2803 | 21 Pc THUNDERBOLT® Black Oxide Drill Bit Set 48-89-2801 | 29 Pc THUNDERBOLT® Black Oxide Drill Bit Set 48-89-2802 |
|---|--|---|---|
| <p>Includes:</p> <ul style="list-style-type: none"> 1/16", 5/64", 3/32", 7/64", (2) 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 1/2" | <p>Includes:</p> <ul style="list-style-type: none"> 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 1/4", 9/32", 5/16", 3/8" | <p>Includes:</p> <ul style="list-style-type: none"> (2) 1/16", (2) 5/64", 3/32", 7/64", (2) 1/8", 9/64", 5/32", 11/64", (2) 3/16", 13/64", 7/32", 15/64", (2) 1/4", 5/16", 3/8", 1/2" | <p>Includes:</p> <ul style="list-style-type: none"> 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", 3/8", 25/64", 13/32", 27/64", 7/16", 29/64", 15/32", 31/64", 1/2" |

BLACK OXIDE S&D DRILL BITS



| Size | Part Number | Qty/Card |
|---------|-------------|----------|
| 17/32" | 48-88-2739 | 1 |
| 9/16" | 48-89-2740 | 1 |
| 19/32" | 48-89-2741 | 1 |
| 5/8" | 48-89-2742 | 1 |
| 21/32" | 48-89-2743 | 1 |
| 11/16" | 48-89-2744 | 1 |
| 23/32" | 48-89-2745 | 1 |
| 3/4" | 48-89-2746 | 1 |
| 25/32" | 48-89-2747 | 1 |
| 13/16" | 48-89-2748 | 1 |
| 27/32" | 48-89-2749 | 1 |
| 7/8" | 48-89-2750 | 1 |
| 29/32" | 48-89-2751 | 1 |
| 15/16" | 48-89-2752 | 1 |
| 31/32" | 48-89-2753 | 1 |
| 1" | 48-89-2754 | 1 |
| 1-1/16" | 48-89-2755 | 1 |
| 1-1/8" | 48-89-2756 | 1 |
| 1-3/16" | 48-89-2757 | 1 |
| 1-1/4" | 48-89-2758 | 1 |

BLACK OXIDE 12" AIRCRAFT LENGTH BITS



| Size | Part Number | Qty/Card |
|-------|-------------|----------|
| 1/8" | 48-89-2770 | 1 |
| 3/16" | 48-89-2771 | 1 |
| 1/4" | 48-89-2772 | 1 |
| 5/16" | 48-89-2773 | 1 |
| 3/8" | 48-89-2774 | 1 |
| 7/16" | 48-89-2775 | 1 |
| 1/2" | 48-89-2776 | 1 |

SHOCKWAVE IMPACT DUTY™ HEX SHANK DRILL BITS



- LONG LIFE**
- THUNDERBOLT® drill bits are designed with a thicker web, providing greater strength and longer life
- EFFICIENT CHIP REMOVAL**
- Parabolic flute clears chips fast
- PRECISION STARTS, NO WALKING**
- 135° split point geometry starts fast, on contact
- QUICK CHANGE**
- 1/4" Hex power groove shank

| Size | Part Number | Qty/Card |
|-------|-------------|----------|
| 1/16" | 48-89-4401 | 1 |
| 3/32" | 48-89-4403 | 1 |
| 1/8" | 48-89-4405 | 1 |
| 5/32" | 48-89-4407 | 1 |
| 3/16" | 48-89-4409 | 1 |
| 7/32" | 48-89-4411 | 1 |
| 1/4" | 48-89-4413 | 1 |

SHOCKWAVE IMPACT DUTY™ HEX SHANK DRILL BIT SET



SHOCKWAVE
IMPACT DUTY



| 7 Pc Impact Duty Hex Shank Drill Bit Set 48-89-4431 |
|---|
| <p>Includes:</p> <ul style="list-style-type: none"> 1/16", 3/32", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", |



Nothing but **HEAVY DUTY.**

THUNDERBOLT® TITANIUM DRILL BITS

LONG LIFE

- Titanium coating reduces heat build-up for up to 3X life

EFFICIENT CHIP REMOVAL

- Parabolic flute clears chips fast

PRECISION STARTS, NO WALKING

- 135° split point geometry starts fast, on contact

CORROSION RESISTANT

- Titanium coating provides added protection from heat build-up

NO SPIN SECURE-GRIP™

- 3-Flat shank holds bit secure in drill chuck



| Size | Part Number | Qty/Card |
|--------|-------------|----------|
| 1/16" | 48-89-2201 | 2 |
| 5/64" | 48-89-2202 | 2 |
| 3/32" | 48-89-2203 | 2 |
| 7/64" | 48-89-2204 | 2 |
| 1/8" | 48-89-2205 | 2 |
| 9/64" | 48-89-2206 | 1 |
| 5/32" | 48-89-2207 | 1 |
| 11/64" | 48-89-2208 | 1 |
| 3/16" | 48-89-2209 | 1 |
| 13/64" | 48-89-2210 | 1 |
| 7/32" | 48-89-2211 | 1 |
| 1/4" | 48-89-2213 | 1 |
| 17/64" | 48-89-2214 | 1 |
| 5/16" | 48-89-2217 | 1 |
| 21/64" | 48-89-2218 | 1 |
| 11/32" | 48-89-2219 | 1 |
| 3/8" | 48-89-2221 | 1 |
| 13/32" | 48-89-2223 | 1 |
| 7/16" | 48-89-2225 | 1 |
| 1/2" | 48-89-2229 | 1 |

THUNDERBOLT® TITANIUM DRILL BIT SETS



| 14 Pc THUNDERBOLT® Titanium Drill Bit Set 48-89-0011 | 20 Pc Titanium Drill Bit Set 48-89-1105 | 29 Pc THUNDERBOLT® Titanium Drill Bit Set 48-89-0012 |
|--|---|--|
| Includes: <ul style="list-style-type: none"> ▪ 1/16", 5/64", 3/32", 7/64", (2) 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 1/2" | Includes: <ul style="list-style-type: none"> ▪ (2) 1/16", (2) 5/64", (2) 3/32", (2) 7/64", (2) 1/8", 9/64", 5/32", 11/64, 3/16", 13/64", 7/32", 1/4", 5/16", 3/8", 1/2" | Includes: <ul style="list-style-type: none"> ▪ 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", 3/8", 25/64", 13/32", 27/64", 7/16", 29/64", 15/32", 31/64", 1/2" |

THUNDERBOLT® COBALT DRILL BITS

LONG LIFE

- THUNDERBOLT® drill bits are designed with a thicker web, providing greater strength and longer life

EFFICIENT CHIP REMOVAL

- Parabolic flute clears chips fast

PRECISION STARTS, NO WALKING

NO SPIN SECURE-GRIP™

- 3-Flat Shank holds bit secure



THUNDERBOLT® COBALT DRILL BIT SET



| Size | Part Number | Qty/Card |
|-------|-------------|----------|
| 3/32" | 48-89-2303 | 1 |
| 7/64" | 48-89-2304 | 1 |
| 1/8" | 48-89-2305 | 1 |
| 9/64" | 48-89-2306 | 1 |
| 5/32" | 48-89-2307 | 1 |
| 3/16" | 48-89-2309 | 1 |
| 1/4" | 48-89-2313 | 1 |
| 5/16" | 48-89-2317 | 1 |
| 3/8" | 48-89-2321 | 1 |
| 7/16" | 48-89-2325 | 1 |
| 1/2" | 48-89-2329 | 1 |

| 14 Pc THUNDERBOLT® Cobalt Drill Bit Set 48-89-0026 |
|--|
| Includes: <ul style="list-style-type: none"> ▪ 1/16", 5/64", 3/32", 7/64", (2) 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 1/2" |

DRILLING ACCESSORIES

STEP DRILL BITS

TRUE ROUND HOLES

- Single flute produces perfectly round holes

NO SPIN SECURE-GRIP™

- 3-Flat shank holds bit secure in drill chuck

EASY SIZE IDENTIFICATION

- Laser etched markings ensure fast size identification and won't wear off



| Size | Part Number | Qty/Card | Description |
|---------------|-------------|----------|---|
| MET-2 | 48-89-8955 | 1 | 6 Hole, 3/16" - 1/2" (1/16") Step Drill Bit |
| MET-5 | 48-89-8960 | 1 | 10 Hole, 1/4" - 1-3/8" (1/8") Step Drill Bit |
| MET-21 | 48-89-8965 | 1 | 10 Hole, 13/16" - 1-3/8" (1/16") Step Drill Bit, Hole Enlarging |
| MET-1 | 48-89-9100 | 1 | 13 Hole, 1/8" - 1/2" (1/32") Step Drill Bit |
| MET-3 | 48-89-9105 | 1 | 9 Hole, 1/4" - 3/4" (1/16") Step Drill Bit |
| MET-20 | 48-89-9110 | 1 | 8 Hole, 9/16" - 1" (1/16") Step Drill Bit, Hole Enlarging |
| MET-11 | 48-89-9115 | 1 | Single Hole Size, 7/8" Step Drill Bit |
| MET-4 | 48-89-9130 | 1 | 12 Hole, 3/16" - 7/8" (1/16") Step Drill Bit |
| MET-9 | 48-89-9135 | 1 | 2 Hole 7/8" and 1-1/8" Step Drill Bit (1/2" and 3/4" Knock-Out) |

STEP DRILL BIT SETS



| 2 Pc Set 48-89-9050 | 3 Pc Set 48-89-8990 |
|--|---|
| <ul style="list-style-type: none"> 2 piece set - 13 hole and 9 hole step drill bits | <ul style="list-style-type: none"> 3 piece set - 13 hole, 6 hole, 9 hole step drill bits |
| Includes: <ul style="list-style-type: none"> MET-1, MET-3, soft case | Includes: <ul style="list-style-type: none"> MET-1, MET-2, MET-3, soft case |

ANNULAR CUTTERS



FASTER CUTTING

- Thinner wall design for faster, more efficient cutting

LONG LIFE

- Proprietary steel, optimized for steel cutting

UNIVERSAL SHANK

- Fits directly into Milwaukee® compact magnetic drill press
- Works with 3/4" Weldon® style shank arbor

| Size | 1" Depth | 2" Depth | Size | 1" Depth | 2" Depth |
|----------------|------------|------------|-----------------|------------|------------|
| 1/2" | 49-59-0500 | 49-59-2050 | 1-5/16" | 49-59-1312 | 49-59-2131 |
| 9/16" | 49-59-0562 | 49-59-2056 | 1-3/8" | 49-59-1375 | 49-59-2138 |
| 5/8" | 49-59-0625 | 49-59-2063 | 1-7/16" | 49-59-1437 | 49-59-2144 |
| 11/16" | 49-59-0687 | 49-59-2069 | 1-1/2" | 49-59-1500 | 49-59-2150 |
| 3/4" | 49-59-0750 | 49-59-2075 | 1-9/16" | 49-59-1562 | 49-59-2156 |
| 13/16" | 49-59-0812 | 49-59-2081 | 1-5/8" | 49-59-1625 | 49-59-2163 |
| 7/8" | 49-59-0875 | 49-59-2089 | 1-11/16" | 49-59-1687 | 49-59-2169 |
| 15/16" | 49-59-0937 | 49-59-2094 | 1-3/4" | 49-59-1750 | 49-59-2175 |
| 1" | 49-59-1000 | 49-59-2100 | 1-13/16" | 49-59-1812 | 49-59-2181 |
| 1-1/16" | 49-59-1062 | 49-59-2106 | 1-7/8" | 49-59-1875 | 49-59-2188 |
| 1-1/8" | 49-59-1125 | 49-59-2113 | 1-15/16" | 49-59-1937 | 49-59-2194 |
| 1-3/16" | 49-59-1187 | 49-59-2119 | 2" | 49-59-2000 | 49-59-2200 |
| 1-1/4" | 49-59-1250 | 49-59-2125 | | | |

ANNULAR CUTTER SETS



| 6 Pc Annular Cutter Set (1" Depth) 49-22-8400 | 9 Pc Annular Cutter Set (2" Depth) 49-22-8410 |
|---|--|
| Includes: <ul style="list-style-type: none"> 9/16", 5/8", 11/16", 13/16", 15/16", 1-1/16" and ejector pin | Includes: <ul style="list-style-type: none"> 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1-1/16" and (2) ejector pins |

ANNULAR CUTTER ACCESSORIES

| Description | Part Number |
|--|-------------|
| #3 Morse Taper To Weldon® Shank Arbor | 49-56-0025 |
| Arbor Wrench Set | 49-96-0010 |
| (2) 1" Ejector Pins | 44-60-1720 |
| (2) 2" Ejector Pins | 44-60-1721 |
| HAWG WASH® Lubricant (16 Oz Bottle) | 49-32-0081 |
| HAWG WASH® Hand Pump | 44-46-0090 |
| HAWG WASH® Hand Pump Oil Hose | 43-75-0010 |