

# Milwaukee®

Nothing but **HEAVY DUTY.**®



## 2021 ACCESSORIES CATALOG



# POWER TOOL ACCESSORIES



CUTTING | CIRCULAR SAW BLADES | OSCILLATING MULTI-TOOL BLADES | MASONRY & CONCRETE | DRILL & DRIVE



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## POWER TOOL ACCESSORIES DIGITAL CATALOG

- 1 QUICK SEARCH**  
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**CARBIDE  
TEETH**

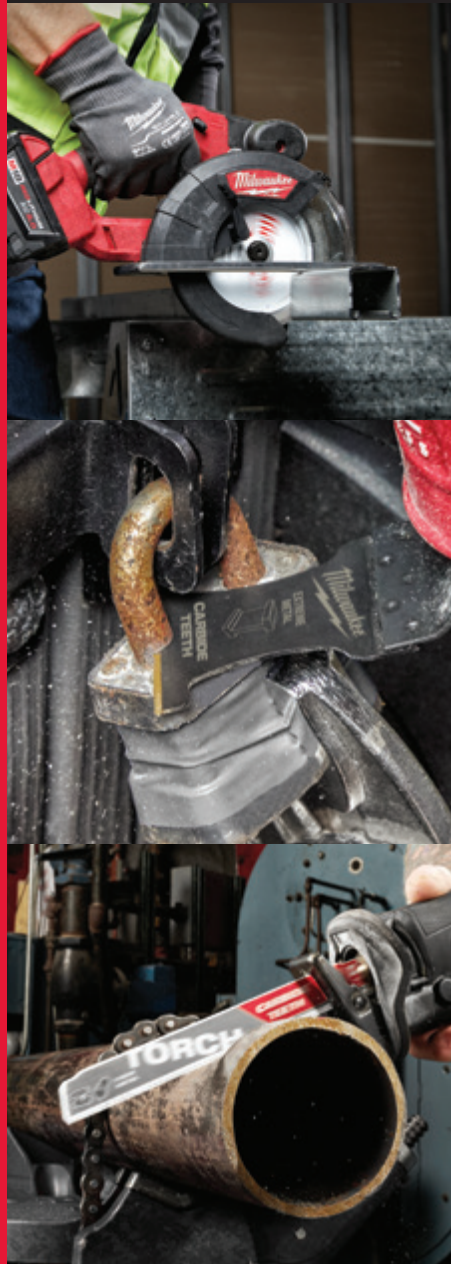
**50X  
LIFE**

**CUT  
LONGER. CUT  
MORE. CUT  
FASTER.**

**WOOD**

**METAL**

**MULTI-MATERIAL**



**CARBIDE TEETH FOR EVERY APPLICATION**

**ABRASIVES**

**FEATURES**

- Designed for fast cutting and long life
- Type 1 Cut-Off Wheels: Designed for cutting only
- Type 27 Cut-Off Wheels: Designed for grinding, blending and other general purpose applications



**CUTTING**

**TYPE 1 CUT-OFF WHEELS**

**TYPE 1 CUT-OFF WHEELS**

Size	Thickness	Arbor Size	Abrasive Type	Application	Max RPM	Quantity	Part No.
1-1/2"	0.045"	7/8"	A60T	For use with Rotary Tool	40,000	5 Pack	49-94-1500
4-1/2"	0.045"	7/8"	A60T	Metal/Stainless Cutting	13,580	25 Pack	49-94-4500
5"	0.045"	7/8"	A60T	Metal/Stainless Cutting	13,580	25 Pack	49-94-5000
6"	0.045"	7/8"	A60T	Metal/Stainless Cutting	10,185	25 Pack	49-94-6300
7"	3/32"	5/8"	A24R	General Purpose – Metal	8,730	25 Pack	49-94-7050
7"	1/8"	5/8"	C24T	Masonry Cutting	8,730	25 Pack	49-94-7055

\*Includes diamond knockout

**TYPE 1 CUT-OFF WHEELS FOR HANDHELD CUT-OFF TOOLS**

**TYPE 1 CUT-OFF WHEELS FOR HANDHELD CUT-OFF TOOLS**

Size	Thickness	Arbor Size	Abrasive Type	Application	Max RPM	Quantity	Part No.
9"	3/32"	7/8"	A24R	General Purpose – Metal	6,600	25 Pack	49-94-9000
12"	1/8"	1"	A24R	General Purpose – Metal	4,365	10 Pack	49-94-1275
12"	1/8"	20 mm	A24R	General Purpose – Metal	4,365	10 Pack	49-94-1270
12"	1/8"	20 mm	C24T	Masonry	4,365	10 Pack	49-94-1280
14"	1/8"	1"	A24R	General Purpose – Metal	5,400	10 Pack	49-94-1475
14"	1/8"	1"	C24T	Masonry	5,400	10 Pack	49-94-1485
14"	1/8"	20 mm	A24R	General Purpose – Metal	5,400	10 Pack	49-94-1470
14"	1/8"	20 mm	C24T	Masonry	5,400	10 Pack	49-94-1480

**TYPE 1 CUT-OFF WHEELS FOR STATIONARY CUT-OFF TOOLS**
**TYPE 1 CUT-OFF WHEELS FOR STATIONARY CUT-OFF TOOLS**

Size	Thickness	Arbor Size	Abrasive Type	Application	Max RPM	Quantity	Part No.
12"	3/32"	1"	A36P	General Purpose – Metal	4,365	10 Pack	49-94-1220
14"	3/32"	1"	A36P	General Purpose – Metal (Double Reinforced)	4,365	5 Pack	49-94-1405
14"	3/32"	1"	A36P	Metal Stud	4,365	10 Pack	49-94-1410
14"	3/32"	1"	A36P	General Purpose – Metal (Single Reinforced)	4,365	5 Pack	49-94-1415

**TYPE 27 CUT-OFF WHEELS**
**TYPE 27 CUT-OFF WHEELS**

Size	Thickness	Arbor Size	Abrasive Type	Application	Max RPM	Quantity	Part No.
4-1/2"	0.045"	7/8"	A60T	Metal/Stainless Grinding	13,580	25 Pack	49-94-4505
5"	0.045"	7/8"	A60T	Metal/Stainless Grinding	13,580	25 Pack	49-94-5005
6"	0.045"	7/8"	A60T	Metal/Stainless Grinding	10,185	25 Pack	49-94-6305


**GRINDING**
**TYPE 27 GRINDING WHEELS**
**TYPE 27 GRINDING WHEELS**

Size	Thickness	Arbor Size	Abrasive Type	Application	Max RPM	Quantity	Part No.
4-1/2"	1/8"	5/8"-11	A30S	Pipeline – Light Grinding/Cutting	13,580	5 Pack	49-94-4525
4-1/2"	1/8"	7/8"	A30S	Pipeline – Light Grinding/Cutting	13,580	10 Pack	49-94-4510
4-1/2"	1/4"	5/8"-11	A24R	Metal/Stainless Grinding	13,580	5 Pack	49-94-4515
4-1/2"	1/4"	5/8"-11	ZA24R	Metal Grinding	13,580	5 Pack	49-94-4585
4-1/2"	1/4"	7/8"	A24R	Metal/Stainless Grinding	13,580	10 Pack	49-94-4520
4-1/2"	1/4"	7/8"	C24T	Concrete Grinding	13,580	10 Pack	49-94-4570
4-1/2"	1/4"	7/8"	ZA24R	Metal Grinding	13,580	10 Pack	49-94-4580

**TYPE 27 GRINDING WHEELS**

Size	Thickness	Arbor Size	Abrasive Type	Application	Max RPM	Quantity	Part No.
5"	1/8"	7/8"	A30S	Pipeline – Light Grinding/Cutting	12,225	10 Pack	49-94-5010
5"	1/4"	7/8"	A24R	Metal/Stainless Grinding	12,225	10 Pack	49-94-5020
5"	1/4"	7/8"	ZA24R	Metal/Stainless Grinding	12,225	10 Pack	49-94-5080
5"	1/4"	7/8"	C24T	Concrete Grinding	12,225	10 Pack	49-94-5730
6"	1/8"	5/8"-11	A30S	Pipeline – Light Grinding/Cutting	10,185	5 Pack	49-94-6360
6"	1/4"	5/8"-11	A24R	Metal/Stainless Grinding	10,185	5 Pack	49-94-6330
6"	1/4"	7/8"	A24R	Metal/Stainless Grinding	10,185	10 Pack	49-94-6340
7"	1/8"	5/8"-11	A30S	Pipeline – Light Grinding/Cutting	8,600	5 Pack	49-94-7015
7"	1/8"	5/8"-11	ZA24R	Pipeline – Light Grinding/Cutting	8,600	5 Pack	49-94-7075
7"	1/4"	5/8"-11	A24R	Metal/Stainless Grinding	8,600	5 Pack	49-94-7025
7"	1/4"	7/8"	A24R	Metal/Stainless Grinding	8,600	10 Pack	49-94-7020
9"	1/4"	5/8"-11	A24R	Metal/Stainless Grinding	6,600	10 Pack	49-94-9025
9"	1/4"	5/8"-11	ZA24R	Metal Grinding	6,600	10 Pack	49-94-9085
9"	1/8"	5/8"-11	A30S	Metal Grinding	6,600	10 Pack	49-94-9015
9"	1/4"	5/8"-11	C24T	Concrete Grinding	6,600	10 Pack	49-94-9735

**ABRASIVES ACCESSORIES**
**ABRASIVES ACCESSORIES**

Description	Quantity	Part No.
Spanner Wrench and Lock Nut Kit	1 Pack	48-03-1050
Fixtec Tool-free 5/8"-11 Grinder Flange Nut	1 Pack	49-40-2783
7/8" Type 27 Non-Threaded Hub Adapter	1 Pack	48-03-1000
M10-1.25 to 5/8"-11 Threaded Arbor Adapter	1 Pack	48-03-1005

**WIRE WHEELS & BRUSHES**
**FEATURES**

- HYPERWIRE™ Variable Gauge Wire: Up to 50% faster material removal and up to 2X longer life
- Precision Construction: Reduces vibration
- Made in USA

**CUP BRUSHES**
**CUP BRUSHES**

Diameter	Brush Type	Max RPM	Wire Thickness	Carbon Steel Part No.	Stainless Steel Part No.
3"	Knotted	12,000	.020/.023	48-52-5040	48-52-5050
3-1/2"	Knotted	13,000	.020/.023	48-52-5067	-
4"	Knotted	7,000	.020/.023	48-52-1350	-
6"	Knotted	6,000	.020/.023	48-52-1650	-
3"	Crimped	12,000	.012/.014	48-52-5060	-
3-1/2"	Crimped	12,000	.012/.014	48-52-5065	-
4"	Crimped	7,000	.012/.014	48-52-1300	-
5"	Crimped	8,000	.012/.014	48-52-1400	-
6"	Crimped	6,000	.012/.014	48-52-1600	-


**BEVEL BRUSHES**
**BEVEL BRUSHES**

Diameter	Brush Type	Max RPM	Wire Thickness	Carbon Steel Part No.	Stainless Steel Part No.
4"	Knotted	12,000	.020/.023	48-52-1305	48-52-1315
4"	Crimped	12,000	.012/.014	48-52-1325	48-52-1335


**WIRE WHEELS**
**WIRE WHEELS**

Diameter	Brush Type	Max RPM	Wire Thickness	Carbon Steel Part No.	Stainless Steel Part No.
4"	Stringer Bead	12,000	.020/.023	48-52-5010	48-52-5000
5"	Stringer Bead	12,500	.020/.023	48-52-1700	-
6"	Stringer Bead	9,500	.020/.023	48-52-1715	-
4"	Full Cable Knot	12,000	.020/.023	48-52-5030	48-52-5020
6"	Full Cable Knot	9,500	.020/.023	48-52-1725	-
4"	Crimped	12,000	.012/.014	48-52-5070	-


**BAND SAW BLADES**
**EXTREME METAL BAND SAW BLADES**
**OVERVIEW**

Our Extreme Metal Band Saw Blades deliver exactly what you need for daily job site use – More Cuts and Less Blade Changes. An aggressive variable pitched tooth design gives you the versatility to cut more metal thickness with one band saw blade. The portable band saw blade's versatility pairs with 3X longer life in stainless steel. Each blade gives you more cuts, resulting in fewer blade changes. The band saw blade also gives fast, clean cuts in common materials, delivering the performance you are looking for in a single blade.

**FEATURES**

- More Cuts. Less Blade Changes.
- Fastest cutting blade in thin, hard metals
- Aggressive Tooth Design: 2X Faster cuts in thick metals


**EXTREME METAL BAND SAW BLADES**

TPI	44-7/8"			35-3/8"			30-9/16"			27"
	3 Pack	25 Pack	100 Pack	3 Pack	25 Pack	100 Pack	3 Pack	25 Pack	100 Pack	3 Pack
8/10	48-39-0601	48-39-0605	48-39-0603	48-39-0609	48-39-0606	48-39-0653	48-39-0630	48-39-0635	48-39-0637	-
12/14	48-39-0611	48-39-0615	48-39-0613	48-39-0619	48-39-0616	48-39-0663	48-39-0631	48-39-0636	48-39-0639	48-39-0711

**STANDARD BAND SAW BLADES**
**FEATURES**

- Fast, Clean Cuts
- Developed for use with cordless Band Saws
- Optimized tooth design


**STANDARD BAND SAW BLADES**

TPI	44-7/8"			35-3/8"		32-7/8"	27"
	1 Pack	2 Pack	3 Pack	1 Pack	3 Pack	3 Pack	3 Pack
10	48-39-0500	-	48-39-0501	48-39-0508	48-39-0509	-	-
10/14	48-39-0550	48-39-0554	48-39-0551	-	-	-	-
14	48-39-0510	48-39-0514	48-39-0511	48-39-0518	48-39-0519	-	-
14/18	48-39-0560	-	48-39-0561	-	-	-	-
18	48-39-0520	48-39-0524	48-39-0521	48-39-0528	48-39-0529	48-39-0579	48-39-0572
24	48-39-0530	48-39-0534	48-39-0531	48-39-0538	48-39-0539	-	-

**BAND SAW BLADES**

**HOLE SAWS**
**HOLE SAW SELECTION GUIDE**

- Identify the material to be cut in the columns below
- Choose the appropriate product **RECOMMENDED** or **ACCEPTABLE**

	STAINLESS STEEL	METAL	ALUMINUM & OTHER NON-FERROUS METALS	DUCT	CAST IRON	WOOD WITH NAILS	CEILING TILE	PLASTER/ DRYWALL	PVC & PLASTICS	CLEAN WOOD	FIBERGLASS	CEMENT BOARD	TILE	BRICK & BLOCK	GRANITE
<b>HOLE SAWS</b>															
<b>PILOT BITS</b>															
<b>RECOMMENDED</b>															
<b>ACCEPTABLE</b>															

**NEW HOLE DOZER™ w/ CARBIDE TEETH HOLE SAWS**
**OVERVIEW**

The MILWAUKEE® HOLE DOZER™ w/ Carbide Teeth Hole Saw features a new 3 TPI design that offers users fast cuts with the durability of a bi-metal hole saw and life of a carbide hole saw. The HOLE DOZER™ w/ Carbide Teeth Hole Saw provides longest life in general purpose and extreme materials with the ability to cut through stainless steel, cast iron, fastener-embedded wood, cement board, fiberglass, plaster, asphalt shingle and more with ease. Deep gullets clear material fast while cutting and our ALL ACCESS SLOTS solve the frustration of plug removal, making users more productive with less downtime between holes. The new slot design also gives users increased pilot visibility for accurate placement and faster chip ejection, keeping their cut cool. The HOLE DOZER™ w/ Carbide Teeth Hole Saw has a cutting depth of 1.62 in., allowing clearance to handle cuts in a wide range of materials.


**CARBIDE TEETH**
**FEATURES**

- Most Durable. Longest Life. Period.
- Increased performance over Bi-Metal HOLE DOZER™
- Longest Life in General Purpose and Extreme Materials

**HOLE DOZER™ w/ CARBIDE TEETH HOLE SAWS**




Description	Part No.
11/16" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0700
3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0702
7/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0704
1" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0707
1-1/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0708
1-1/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0710
1-5/16" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0711
1-3/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0712
1-1/2" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0713
1-5/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0714
1-3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0717
1-7/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0719
2" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0720
2-1/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0722
2-1/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0724
2-3/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0726
2-1/2" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0727
2-9/16" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0728
2-5/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0729

Description	Part No.
2-11/16" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0730
2-3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0731
3" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0734
3-1/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0735
3-1/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0736
3-3/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0737
3-1/2" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0738
3-5/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0739
3-3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0741
4" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0742
4-1/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0743
4-1/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0744
4-1/2" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0746
4-5/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0747
5" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0748
6" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0749
1-1/16" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0807
4-3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0847
5-1/2" HOLE DOZER™ w/ Carbide Teeth Hole Saw	49-56-0848

**HOLE DOZER™ w/ CARBIDE TEETH HOLE SAW KITS**

Description	Includes	Part No.
<b>9 PC</b> HOLE DOZER™ w/ Carbide Teeth Large Diameter Hole Saw Kit	(1) 1-3/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2-5/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 3" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 3-5/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 4-1/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) Large Thread Arbor w/ Cobalt Pilot Bit (2) Cobalt Pilot Bits	49-22-3077
<b>9 PC</b> HOLE DOZER™ w/ Carbide Teeth Hole Saw Kit	(1) 7/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-1/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-3/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2-1/2" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 3/8" Small Thread Arbor (1) 7/16" Large Thread Quick Change Arbor (2) 1/4" x 3-1/2" Cobalt Pilot Bits	49-22-3079
<b>10 PC</b> HOLE DOZER™ w/ Carbide Teeth Electrician's Hole Saw Kit	(1) 7/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-1/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-3/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2-1/2" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) Large Thread Arbor w/ Cobalt Pilot Bit (1) Small Thread Arbor w/ Cobalt Pilot Bit (2) Cobalt Pilot Bits	49-22-3084

**HOLE DOZER™ w/ CARBIDE TEETH HOLE SAW KITS**

Description	Includes	Part No.
 <b>12 PC</b> HOLE DOZER™ w/ Carbide Teeth Hole Saw Kit	(1) 7/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-1/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-3/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2-1/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2-1/2" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 3/8" Small Thread Arbor (1) 7/16" Large Thread Quick Change Arbor (2) 1/4" x 3-1/2" Cobalt Pilot Bits	49-22-3090
 <b>12 PC</b> HOLE DOZER™ w/ Carbide Teeth Plumber's Hole Saw Kit	(1) 3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 7/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-1/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-1/2" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2-1/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2-1/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2-5/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) Large Thread Arbor w/ Cobalt Pilot Bit (1) Small Thread Arbor w/ Cobalt Pilot Bit (2) Cobalt Pilot Bits	49-22-3091
 <b>15 PC</b> HOLE DOZER™ w/ Carbide Teeth Hole Saw Kit	(1) 3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 7/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-1/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-1/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-3/8" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-1/2" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 1-3/4" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 2-9/16" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) 3" HOLE DOZER™ w/ Carbide Teeth Hole Saw (1) Large Thread Arbor w/ Cobalt Pilot Bit (1) Small Thread Arbor w/ Cobalt Pilot Bit (2) Cobalt Pilot Bits	49-22-3097

**HOLE DOZER™ BI-METAL HOLE SAWS**

Size	Hanging Container	Shrink Wrap	With Arbor	Bulk
9/16"	49-56-0002	49-56-9690	-	-
5/8"	49-56-0012	49-56-9603	-	-
11/16"	49-56-0017	49-56-9604	-	-
3/4"	49-56-0023	49-56-9605	49-56-9658	49-56-5090 (25 pk)
13/16"	49-56-0027	49-56-9606	-	-
7/8"	49-56-0032	49-56-9607	49-56-9659	49-56-5100 (25 pk)
15/16"	49-56-0037	49-56-9608	-	-
1"	49-56-0043	49-56-9609	49-56-9662	49-56-5110 (25 pk)
1-1/16"	49-56-0047	49-56-9610	-	-
1-1/8"	49-56-0052	49-56-9611	49-56-9663	49-56-5120 (25 pk)
1-3/16"	49-56-0057	49-56-9612	-	49-56-5125 (25 pk)
1-1/4"	49-56-0062	49-56-9613	49-56-9664	49-56-5130 (25 pk)
1-5/16"	49-56-0067	49-56-9614	-	-
1-3/8"	49-56-0072	49-56-9615	49-56-9671	49-56-5140 (25 pk)
1-7/16"	49-56-0077	49-56-9616	-	-
1-1/2"	49-56-0082	49-56-9617	49-56-9665	49-56-5150 (25 pk)
1-9/16"	49-56-0087	49-56-9618	-	-
1-5/8"	49-56-0092	49-56-9619	-	49-56-5152 (25 pk)
1-11/16"	49-56-0097	49-56-9620	-	-
1-3/4"	49-56-0102	49-56-9621	49-56-9666	49-56-5155 (25 pk)
1-13/16"	49-56-0107	49-56-9622	-	-
1-7/8"	49-56-0112	49-56-9623	-	-
2"	49-56-0117	49-56-9624	49-56-9667	49-56-5160 (25 pk)
2-1/16"	49-56-0122	49-56-9625	-	-
2-1/8"	49-56-0127	49-56-9626	49-56-9668	49-56-5165 (25 pk)
2-1/4"	49-56-0132	49-56-9628	49-56-9680	49-56-5167 (25 pk)
2-5/16"	49-56-0137	49-56-9629	-	-

Size	Hanging Container	Shrink Wrap	With Arbor	Bulk
2-3/8"	49-56-0142	49-56-9630	-	-
2-1/2"	49-56-0147	49-56-9631	49-56-9669	49-56-5170 (25 pk)
2-9/16"	49-56-0153	49-56-9632	-	-
2-5/8"	49-56-0158	49-56-9633	-	49-56-5175 (16 pk)
2-11/16"	49-56-0159	49-56-9634	-	-
2-3/4"	49-56-0163	49-56-9635	-	-
2-7/8"	49-56-0167	49-56-9636	-	-
3"	49-56-0173	49-56-9637	49-56-9670	49-56-5180 (16 pk)
3-1/8"	49-56-0177	49-56-9638	-	-
3-1/4"	49-56-0183	49-56-9639	-	-
3-3/8"	49-56-0187	49-56-9640	-	-
3-1/2"	49-56-0193	49-56-9641	49-56-9682	49-56-5190 (9 pk)
3-5/8"	49-56-0197	49-56-9642	49-56-9683	49-56-5195 (9 pk)
3-3/4"	49-56-0203	49-56-9643	-	-
3-7/8"	49-56-0207	49-56-9644	-	-
4"	49-56-0213	49-56-9645	49-56-9685	49-56-5200 (9 pk)
4-1/8"	49-56-0217	49-56-9646	-	49-56-5205 (9 pk)
4-1/4"	49-56-0223	49-56-9647	49-56-9687	-
4-3/8"	49-56-0227	49-56-9648	-	-
4-1/2"	49-56-0233	49-56-9649	49-56-9689	-
4-3/4"	49-56-0237	49-56-9650	-	-
4-5/8"	49-56-0239	49-56-9627	-	-
5"	49-56-0243	49-56-9652	-	-
5-1/4"	49-56-0244	49-56-9653	-	-
5-1/2"	49-56-0247	49-56-9654	-	-
5-3/4"	49-56-0249	49-56-9655	-	-
6"	49-56-0253	49-56-9656	49-56-9698	-

HOLE SAWS

HOLE SAWS

**NEW**
**HOLE DOZER™ BI-METAL HOLE SAWS**
**OVERVIEW**

MILWAUKEE® HOLE DOZER™ Bi-Metal Hole Saws new 3.5 TPI tooth design offers users the longest life in metal applications. These HOLE DOZER™ Bi-Metal Hole Saws feature the industry's only Lifetime Tooth Break Warranty and can take on all general purpose applications, making them the most durable hole saws. Our ALL ACCESS SLOTS solve the frustration of plug removal, making users more productive with less downtime between holes. The new slot design also gives users increased pilot visibility for accurate placement and faster chip ejection keeping their cut cool. HOLE DOZER™ Thermoset Coating allows for faster cutting and is optimized for cordless tools, delivering users 25% more holes per charge. MILWAUKEE® HOLE DOZER™ Bi-Metal Hole Saws are proudly made in the USA.


**FEATURES**

- Most Durable Hole Saw. Period.
- New 3.5 TPI Tooth Design
- ALL ACCESS SLOTS: Fast Plug Removal



**GENERAL PURPOSE HOLE DOZER™ BI-METAL HOLE SAW KITS**



Description	Includes	Part No.
 <b>9 PC</b> HOLE DOZER™ Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 3/8" Small Hex Shank Arbor (1) 3-1/2" Pilot Bit (1) Arbor Adapter (1) Adapter Washer	49-22-4006
 <b>9 PC</b> HOLE DOZER™ Bi-Metal Hole Saw Kit	(1) 1" Bi-Metal Hole Saw (1) 1-1/4" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 2" Bi-Metal Hole Saw (1) 2-1/2" Bi-Metal Hole Saw (1) 3/8" Small Hex Shank Arbor (1) 3-1/2" Pilot Bit (1) Arbor Adapter (1) Adapter Washer	49-22-4009
 <b>10 PC</b> HOLE DOZER™ Bi-Metal Hole Saw Kit w/ PACKOUT™ Compact Organizer	(1) 1-1/2" Bi-Metal Hole Saw (1) 2" Bi-Metal Hole Saw (1) 2-1/2" Bi-Metal Hole Saw (1) 3" Bi-Metal Hole Saw (1) 3-5/8" Bi-Metal Hole Saw (1) 4-1/4" Bi-Metal Hole Saw (1) 7/16" Large Quick Change Arbor (1) 3/8" Small Hex Shank Arbor (2) 3-1/2" Pilot Bits (1) PACKOUT™ Compact Organizer	49-22-5606
 <b>13 PC</b> HOLE DOZER™ Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-3/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 1-3/4" Bi-Metal Hole Saw (1) 2" Bi-Metal Hole Saw (1) 2-1/8" Bi-Metal Hole Saw (1) 2-1/2" Bi-Metal Hole Saw (1) 3/8" Large Quick Change Arbor (1) 3/8" Small Hex Shank Arbor (2) 3-1/2" Pilot Bits	49-22-4025
 <b>15 PC</b> HOLE DOZER™ Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-3/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 1-3/4" Bi-Metal Hole Saw (1) 2" Bi-Metal Hole Saw (1) 2-1/8" Bi-Metal Hole Saw (1) 2-1/4" Bi-Metal Hole Saw (1) 2-1/2" Bi-Metal Hole Saw (1) 7/16" Large Quick Change Arbor (1) 3/8" Small Hex Shank Arbor (2) 3-1/2" Pilot Bits	49-22-4175
 <b>17 PC</b> HOLE DOZER™ Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-3/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 2" Bi-Metal Hole Saw (1) 2-1/8" Bi-Metal Hole Saw (1) 2-1/4" Bi-Metal Hole Saw (1) 2-1/2" Bi-Metal Hole Saw (1) 7/16" Large Quick Change Arbor (1) 3/8" Small Hex Shank Arbor (5) 3-1/2" Pilot Bits (1) Hex Key	49-22-4029

**GENERAL PURPOSE HOLE DOZER™ BI-METAL HOLE SAW KITS**



Description	Includes	Part No.
 <b>20 PC</b> HOLE DOZER™ Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1" Bi-Metal Hole Saw (1) 1-3/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 1-3/4" Bi-Metal Hole Saw (1) 2-1/8" Bi-Metal Hole Saw (1) 2-5/8" Bi-Metal Hole Saw (1) 3" Bi-Metal Hole Saw (1) 3-5/8" Bi-Metal Hole Saw (1) 4" Bi-Metal Hole Saw (1) 4-1/4" Bi-Metal Hole Saw (1) 4-1/2" Bi-Metal Hole Saw (1) 7/16" Large Quick Change Arbor (1) 3/8" Small Hex Shank Arbor (4) 3-1/2" Pilot Bits (1) Hex Key	49-22-4170
 <b>21 PC</b> HOLE DOZER™ Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 2" Bi-Metal Hole Saw (1) 2-1/8" Bi-Metal Hole Saw (1) 2-1/2" Bi-Metal Hole Saw (1) 3" Bi-Metal Hole Saw (1) 3-5/8" Bi-Metal Hole Saw (1) 4-1/4" Bi-Metal Hole Saw (1) 4-1/2" Bi-Metal Hole Saw (1) 5" Bi-Metal Hole Saw (1) 3/8" Large Quick Change Arbor (1) 3/8" Small Hex Shank Arbor (5) 3-1/2" Pilot Bits (1) Hex Key	49-22-4171
 <b>28 PC</b> HOLE DOZER™ All Purpose Pro Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-1/4" Bi-Metal Hole Saw (1) 1-3/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 1-3/4" Bi-Metal Hole Saw (1) 2" Bi-Metal Hole Saw (1) 2-1/8" Bi-Metal Hole Saw (1) 2-1/4" Bi-Metal Hole Saw (1) 2-1/2" Bi-Metal Hole Saw (1) 2-5/8" Bi-Metal Hole Saw (1) 3" Bi-Metal Hole Saw (1) 3-1/4" Bi-Metal Hole Saw (1) 3-3/8" Bi-Metal Hole Saw (1) 3-5/8" Bi-Metal Hole Saw (1) 3-3/4" Bi-Metal Hole Saw (1) 4-1/8" Bi-Metal Hole Saw (1) 4-1/4" Bi-Metal Hole Saw (1) 4-1/2" Bi-Metal Hole Saw (1) 4-3/4" Bi-Metal Hole Saw (1) 7/16" Large Quick Change Arbor (1) 1/2" Small Hex Shank Arbor (1) 3/8" Small Hex Shank Arbor (3) 3-1/2" Pilot Bits	49-22-4185

**HOLE SAWS**
**HOLE SAWS**

**ELECTRICIAN'S HOLE DOZER™ BI-METAL HOLE SAW KITS**

Description	Includes	Part No.
 <b>10 PC</b> HOLE DOZER™ Electrician's Bi-Metal Hole Saw Kit	(1) 7/8" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-3/8" Bi-Metal Hole Saw (1) 1-3/4" Bi-Metal Hole Saw (1) 2" Bi-Metal Hole Saw (1) 2-1/2" Bi-Metal Hole Saw (1) 7/16" Large Quick Change Arbor (1) 3/8" Small Hex Shank Arbor (2) 3-1/2" Pilot Bits	49-22-4095
 <b>19 PC</b> HOLE DOZER™ Master Electrician's Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-3/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 1-3/4" Bi-Metal Hole Saw (1) 2" Bi-Metal Hole Saw (1) 2-1/4" Bi-Metal Hole Saw (1) 2-1/2" Bi-Metal Hole Saw (1) 2-5/8" Bi-Metal Hole Saw (1) 3" Bi-Metal Hole Saw (1) 3-5/8" Bi-Metal Hole Saw (1) 4-1/8" Bi-Metal Hole Saw (1) 4-3/4" Bi-Metal Hole Saw (1) 7/16" Large Quick Change Arbor (1) 3/8" Small Hex Shank Arbor (3) 3-1/2" Pilot Bits	49-22-4105




**PLUMBER'S HOLE DOZER™ BI-METAL HOLE SAW KITS**

Description	Includes	Part No.
 <b>12 PC</b> HOLE DOZER™ Plumber's Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 1-3/4" Bi-Metal Hole Saw (1) 2-1/8" Bi-Metal Hole Saw (1) 2-1/4" Bi-Metal Hole Saw (1) 2-5/8" Bi-Metal Hole Saw (1) 7/16" Large Quick Change Arbor (2) 3-1/2" Pilot Bits	49-22-4143
 <b>16 PC</b> HOLE DOZER™ Plumber's Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 1-3/4" Bi-Metal Hole Saw (1) 2-1/4" Bi-Metal Hole Saw (1) 2-5/8" Bi-Metal Hole Saw (1) 3" Bi-Metal Hole Saw (1) 3-5/8" Bi-Metal Hole Saw (1) 4" Bi-Metal Hole Saw (1) 4-1/4" Bi-Metal Hole Saw (1) 4-5/8" Bi-Metal Hole Saw (1) 7/16" Large Quick Change Arbor (1) 3/8" Small Hex Shank Arbor (2) 3-1/2" Pilot Bits	49-22-4156

**SPECIALTY HOLE DOZER™ BI-METAL HOLE SAW KITS**

Description	Includes	Part No.
 <b>7 PC</b> HOLE DOZER™ Automotive Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-1/4" Bi-Metal Hole Saw (1) 3/8" Small Hex Shank Arbor (1) Arbor Adapter	49-22-4083



**SPECIALTY HOLE DOZER™ BI-METAL HOLE SAW KITS**

Description	Includes	Part No.
 <b>11 PC</b> HOLE DOZER™ Automotive Bi-Metal Hole Saw Kit	(1) 3/4" Bi-Metal Hole Saw (1) 7/8" Bi-Metal Hole Saw (1) 1-1/8" Bi-Metal Hole Saw (1) 1-1/2" Bi-Metal Hole Saw (1) 2" Bi-Metal Hole Saw (1) 2-1/8" Bi-Metal Hole Saw (1) 2-1/4" Bi-Metal Hole Saw (1) 2-1/2" Bi-Metal Hole Saw (1) 7/16" Large Hex Shank Arbor (1) 3/8" Small Hex Shank Arbor (1) 3-1/2" Pilot Bit	49-22-4084
 HOLE DOZER™ Door Lock Installation Kit	(1) 1" Bi-Metal Hole Saw (1) 2-1/8" Bi-Metal Hole Saw (1) Hole Saw Arbor Adapter (1) 3/8" Small Hex Shank Arbor	49-22-4063
 HOLE DOZER™ Door Lock Installation Kit	(1) Door Lock Installation Guide (2) Bi-Metal Hole Saws: 1" and 2-1/8" (1) Arbor and Pilot Bit Assembly (4) Drill Bits: (2) 3/32" and (2) 1/8" (1) Hole Saw Thread Adapter and Spacer (1) Depth Stop Insert	49-22-4073

**NEW**  
**HOLE SAW CASES**  
**FEATURES**

- Interchangeable Pegs: Allow for customizable kit configurations
- Reinforced Grids on top and bottom: Keep hole saws securely stored
- Removable Accessory Box: Offers additional customization options

**HOLE SAW CASES**

Description	Includes	Part No.
 Small Case	(1) Removable Accessory Box (7) Interchangeable Pegs (1) Small Case	49-56-1006
 Large Case	(1) Removable Accessory Box (6) Interchangeable Pegs (1) Large Case	49-56-1007

HOLE SAWS

HOLE SAWS

**HOLE SAW ARBORS**
**FEATURES**

- Tool-free operation
- Universal, quick change with all brands of hole saws
- No adapters required


**HOLE SAW ARBORS**

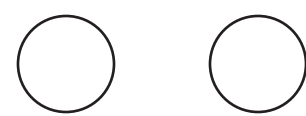
Description	Shank	Style	Fits Hole Saw Sizes	Part No.
HOLE DOZER™ w/ Carbide Teeth Small Hole Saw Arbor	3/8"	Carbide Teeth Hole Saw Arbor	Up to 1-3/16"	49-56-7110
HOLE DOZER™ w/ Carbide Teeth Large Hole Saw Arbor	7/16"	Carbide Teeth Hole Saw Arbor	Up to 6"	49-56-7115
Small Hole Saw Arbor	3/8"	Basic Hole Saw Arbor	Up to 1-3/16"	49-56-7010
Small Hole Saw Arbor	7/16"	Basic Hole Saw Arbor	Up to 1-3/16"	49-56-7000
Small Hole Saw Arbor	1/4"	Basic Hole Saw Arbor	Up to 1-3/16"	49-56-6950
Large Hole Saw Arbor	3/8"	Basic Hole Saw Arbor	1-1/4" & Larger	49-56-7040
Large Thread Quick Change Arbor	3/8"	Quick Change Hole Saw Arbor	1-1/4" & Larger	49-56-7250
Quick Change Hole Saw Arbor	7/16"	Quick Change Hole Saw Arbor	1-1/4" & Larger	49-56-7055
Quick Change Hole Saw Arbor	7/16"	Quick Change Hole Saw Arbor	1-1/4" & Larger	49-56-9100
Quick Change Hole Saw Arbor	7/16"	Quick Change Hole Saw Arbor	1-1/4" & Larger	49-56-7240
Hole Saw Arbor Adapter	-	Adapter	1-1/4" & Larger	49-56-6560
Hole Saw Arbor Spacer	-	Spacer	-	49-67-0120

**PILOT BITS**
**FEATURES**

- THUNDERBOLT® Tapered Web: Added durability
- 135° Split Point Tip: Provides accurate hole placement


**PILOT BITS**

Description	Quantity	Part No.
1/4" HOLE DOZER™ w/ Carbide Teeth Cobalt Pilot Bit	1 Pack	49-56-7100
1/4" x 3-1/2" High Speed Steel Pilot Bit	1 Pack	49-56-8010
1/4" x 3-1/2" High Speed Steel Pilot Bit	12 Pack	49-56-8033
1/4" x 4" High Speed Steel Pilot Bit	1 Pack	49-56-8000
1/4" x 4" High Speed Steel Pilot Bit	12 Pack	49-56-8031
1/4" x 4" Carbide Tipped Pilot Bit	1 Pack	49-56-8005


**EXTENSIONS**
**FEATURES**

- Universal Fit: Works with all major brands


**EXTENSIONS**

Description	Shank	Style	Length	Part No.
Bit Extension 12"	3/8"	-	12"	48-28-4008
6" x 3/8" Universal QUIK-LOK™ Extension	3/8"	QUIK-LOK™	6"	48-28-2010
12" x 3/8" Universal QUIK-LOK™ Extension	3/8"	QUIK-LOK™	12"	48-28-2020
18" x 3/8" Universal QUIK-LOK™ Extension	3/8"	QUIK-LOK™	18"	48-28-2030
24" x 3/8" Universal QUIK-LOK™ Extension	3/8"	QUIK-LOK™	24"	48-28-2040
Bit Extension 5-1/2"	7/16"	-	5-1/2"	48-28-4001
Bit Extension 12"	7/16"	-	12"	48-28-4006
Bit Extension 18"	7/16"	-	18"	48-28-4011
Bit Extension 24"	7/16"	-	24"	48-28-4016
5-1/2" x 7/16" Universal QUIK-LOK™ Extension	7/16"	QUIK-LOK™	5-1/2"	48-28-1030
12" x 7/16" Universal QUIK-LOK™ Extension	7/16"	QUIK-LOK™	12"	48-28-1040
18" x 7/16" Universal QUIK-LOK™ Extension	7/16"	QUIK-LOK™	18"	48-28-1050
24" x 7/16" Universal QUIK-LOK™ Extension	7/16"	QUIK-LOK™	24"	48-28-1060

**BIG HAWG™ w/ CARBIDE TEETH HOLE SAWS**
**OVERVIEW**

MILWAUKEE® BIG HAWG™ w/ Carbide Teeth is first-to-market in providing extreme life and durability in both nail-embedded wood and abrasive material applications. Utilizing advanced carbide technology to completely redesign the tried and true BIG HAWG™ Hole Saw, the new BIG HAWG™ w/ Carbide Teeth gives users 50X life in demanding applications with the ability to cut 1000+ more nails. 10X larger carbide teeth rip through materials 5X faster than any hole saw on the market, while oversized slots make for easy plug removal and chip ejection.

**FEATURES**

- 50X Life in nail-embedded wood and abrasive material applications
- 3-Tooth Design with 10X More Carbide cuts: 1000+ more nails
- Carbide Tipped Multi-Material Pilot Bit: Increased material versatility






**CARBIDE TEETH**

**BIG HAWG™ w/ CARBIDE TEETH HOLE SAWS**

Description	Part No.
1-3/8" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9200
1-3/4" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9205
2-1/8" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9210
2-1/4" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9215
2-9/16" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9220
2-3/4" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9225
3" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9230

Description	Part No.
3-5/8" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9240
4" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9245
4-1/4" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9255
4-5/8" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9265
5-1/4" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9270
6-1/4" BIG HAWG™ w/ Carbide Teeth Hole Saw	49-56-9275

**BIG HAWG™ w/ CARBIDE TEETH HOLE SAW KITS**
**BIG HAWG™ w/ CARBIDE TEETH HOLE SAW KITS**

Description	Includes	Part No.
 <b>7 PC</b> BIG HAWG™ w/ Carbide Teeth Hole Saw Kit	(1) 2-1/8" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 2-9/16" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 3-5/8" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) BIG HAWG™ w/ Carbide Teeth Hole Saw Arbor (1) BIG HAWG™ w/ Carbide Teeth Hole Saw Diamond File (2) Clean Wood Pilot Bits	49-56-9280
 <b>8 PC</b> BIG HAWG™ w/ Carbide Teeth Hole Saw Kit	(1) 2-1/8" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 2-9/16" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 3-5/8" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 4-5/8" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) BIG HAWG™ w/ Carbide Teeth Hole Saw Arbor (1) BIG HAWG™ w/ Carbide Teeth Hole Saw Diamond File (2) Clean Wood Pilot Bits	49-56-9285
 <b>10 PC</b> BIG HAWG™ w/ Carbide Teeth Hole Saw Kit	(1) 2-1/8" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 2-1/4" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 2-9/16" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 3" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 3-5/8" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 4-1/4" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) BIG HAWG™ w/ Carbide Teeth Hole Saw Arbor (1) BIG HAWG™ w/ Carbide Teeth Hole Saw Diamond File (2) Clean Wood Pilot Bits	49-56-9290
 <b>9 PC</b> BIG HAWG™ w/ Carbide Teeth Hole Saw Kit w/ PACKOUT™ Compact Organizer	(1) 2-1/8" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 2-9/16" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 3" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 3-5/8" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) 4-1/4" BIG HAWG™ w/ Carbide Teeth Hole Saw (1) BIG HAWG™ w/ Carbide Teeth Hole Saw Arbor (2) Clean Wood Pilot Bits (1) PACKOUT™ Compact Organizer	49-56-9295

**BIG HAWG™ w/ CARBIDE TEETH HOLE SAW ACCESSORIES**
**BIG HAWG™ w/ CARBIDE TEETH HOLE SAW ACCESSORIES**

Description	Part No.
BIG HAWG™ w/ Carbide Teeth Hole Saw Diamond File	48-09-5055
BIG HAWG™ w/ Carbide Teeth Hole Saw Clean Wood Pilot Bit	48-27-1401
BIG HAWG™ w/ Carbide Teeth Hole Saw Multi-Material Pilot Bit	49-56-9300
BIG HAWG™ w/ Carbide Teeth Hole Saw Arbor	49-56-9305
BIG HAWG™ w/ Carbide Teeth Hole Saw Clean Wood Arbor	49-56-9306

**DIAMOND MAX™ DIAMOND GRIT HOLE SAWS**
**OVERVIEW**

Choose the MILWAUKEE® DIAMOND MAX™ Diamond Grit Hole Saw for up to 10X longer life when cutting porcelain, tile, stone, and glass. DIAMOND MAX™ Diamond Grit Hole Saws deliver best-in-class performance, with higher-grade diamonds for maximum heat and fracture resistance. An improved braze provides superior diamond retention when cutting hard, abrasive materials. The DIAMOND MAX™ Threaded Hole Saw features ALL ACCESS SLOT Design for easy plug removal. Designed as the single cutting solution for all tile, stone, and glass applications, DIAMOND MAX™ offers the lowest cost-per-hole on the market. Use it with standard hole saw arbors or with the Angle Grinder Adapter (49-56-7105), or Retractable Starter Bit with Large Arbor (49-56-7135) for even greater productivity and ease of use.


**FEATURES**

- DIAMOND MAX™: Greater durability and toughness delivers up to 10X longer life
- Higher-grade Diamonds and Improved Braze: Provide best-in-class performance
- Versatile: Ideal for cutting, anchoring, and clearance holes in all tile, stone, and glass

**DIAMOND MAX™ DIAMOND GRIT ONE-PIECE HOLE SAWS**

Size	Description	Part No.
3/16"	DIAMOND MAX™ One-Piece Hole Saw	49-56-0503
1/4"	DIAMOND MAX™ One-Piece Hole Saw	49-56-0505
5/16"	DIAMOND MAX™ One-Piece Hole Saw	49-56-0507
3/8"	DIAMOND MAX™ One-Piece Hole Saw	49-56-0509
1/2"	DIAMOND MAX™ One-Piece Hole Saw	49-56-0511
5/8"	DIAMOND MAX™ One-Piece Hole Saw	49-56-0513
3/4"	DIAMOND MAX™ One-Piece Hole Saw	49-56-0515
1"	DIAMOND MAX™ One-Piece Hole Saw	49-56-0517

**DIAMOND MAX™ DIAMOND GRIT THREADED HOLE SAWS**

Size	Description	Part No.
7/8"	DIAMOND MAX™ Threaded Hole Saw	49-56-5605
1-1/8"	DIAMOND MAX™ Threaded Hole Saw	49-56-5615
1-1/4"	DIAMOND MAX™ Threaded Hole Saw	49-56-5620
1-3/8"	DIAMOND MAX™ Threaded Hole Saw	49-56-5625
1-1/2"	DIAMOND MAX™ Threaded Hole Saw	49-56-5630
2"	DIAMOND MAX™ Threaded Hole Saw	49-56-5645
2-1/2"	DIAMOND MAX™ Threaded Hole Saw	49-56-5660

**HOLE SAWS**
**HOLE SAWS**

**DIAMOND MAX™ DIAMOND GRIT THREADED HOLE SAW ACCESSORIES**

Description	Part No.
1-1/4" – 2-1/2" Angle Grinder Adapter (Large)	49-56-7105
7/8" – 1-1/8" Angle Grinder Adapter (Small)	49-56-7103
1/4" Retractable Starter Bit	49-56-8025
Retractable Starter Bit with Large Arbor	49-56-7135

**DIAMOND MAX™ DIAMOND GRIT HOLE SAW SETS**
**DIAMOND MAX™ DIAMOND GRIT HOLE SAW SETS**

Description	Includes	Part No.
 <b>3 PC</b> DIAMOND MAX™ One-Piece Hole Saw Set	(1) 3/16" DIAMOND MAX™ Diamond Grit One-Piece Hole Saw (1) 1/4" DIAMOND MAX™ Diamond Grit One-Piece Hole Saw (1) 5/16" DIAMOND MAX™ Diamond Grit One-Piece Hole Saw	49-56-0500
 <b>2 PK</b> 1/4" DIAMOND MAX™ One-Piece Hole Saws	(2) 1/4" DIAMOND MAX™ Diamond Grit One-Piece Hole Saws	49-56-0501

**CARBIDE GRIT HOLE SAWS**
**OVERVIEW**

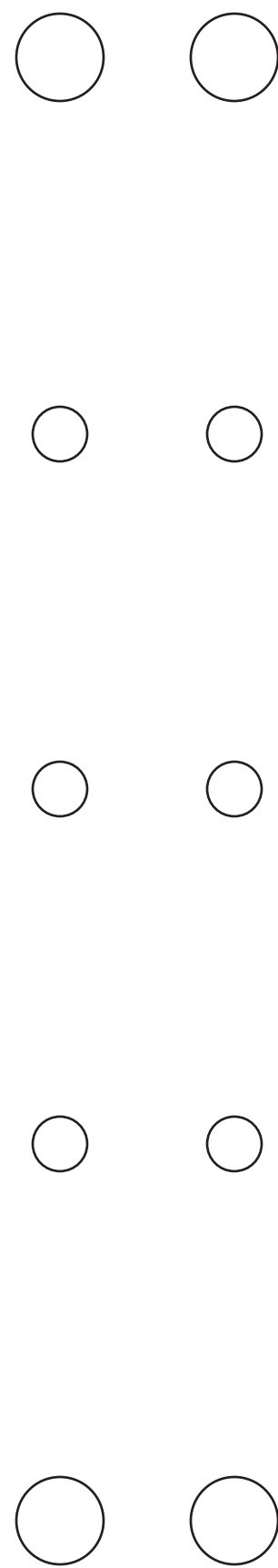
MILWAUKEE® Carbide Grit Hole Saws are designed for cutting abrasive materials such as brick, block, cement board, fiberglass and tile. Use a Carbide Tipped Pilot Bit (49-56-8005) when cutting ceramic tile, brick and other abrasive materials.

**FEATURES**

- Tungsten Carbide Grit Edge: For abrasive materials
- Coarse Grit and Segmented Edge: Fast cutting
- Wide, Angled and Offset Slots: Easy plug access


**CARBIDE GRIT HOLE SAWS**

Size	Part No.	Size	Part No.
3/4"	49-56-0405	1-3/8"	49-56-0426
7/8"	49-56-0409	1-3/4"	49-56-0437
1"	49-56-0413	2"	49-56-0444
1-1/8"	49-56-0417	2-1/4"	49-56-0449
1-1/4"	49-56-0422	2-1/2"	49-56-0456


**RECESSED LIGHT HOLE CUTTERS - ADJUSTABLE**
**OVERVIEW**

The MILWAUKEE® Adjustable Hole Cutter offers a one-size-fits-all solution to make holes in drywall and ceiling tile. Cutting diameters range from 2" through 7" with 1/4" increments for almost double the amount of sizes over the competition. Utilizing a QUIK-LOK™ Arbor for tool-free adjustability as well as laser-etched markings and size indicator, users can quickly and easily identify and change sizes without the use of a hex key. A best-in-class durable and reusable debris shield with spring collar keeps cutting blades level and work areas clean, especially in overhead cutting applications. Choose the Adjustable Hole Cutter for applications in drywall and ceiling tiles including: recessed lights, audio speakers, fire/security systems and clearance holes.


**FEATURES**

- QUIK-LOK™ Arbor: Quick and easy tool-free adjustability
- 2" through 7" Diameters with 1/4" increments: A greater size range
- Black Oxide Coated with laser-etched size indicators

**RECESSED LIGHT HOLE CUTTERS - ADJUSTABLE**

Description	Part No.
Adjustable Hole Cutter	49-56-0320
Adjustable Hole Cutter Replacement Blades and Pilot Bit	49-56-0290

**RECESSED LIGHT HOLE SAWS - CONTINUOUS GRIT**
**OVERVIEW**

MILWAUKEE® Recessed Light Hole Saws are manufactured using carbide grit for cutting through drywall, plaster, acoustical tile, wood and stucco with mesh. Made with a continuous Carbide Rim, these saws won't tear material and will leave a clean finish.


**FEATURES**

- Continuous Rim: Clean cuts
- Carbide Grit Edge: For abrasive materials
- Solid, Welded Construction: Provides accurately-sized holes

**RECESSED LIGHT HOLE SAWS - CONTINUOUS GRIT**

Size	Description	Part No.
3-1/8"	3-1/8" Recessed Light Hole Saw	49-56-0296
4-3/8"	4-3/8" Recessed Light Hole Saw	49-56-0300
5-3/8"	5-3/8" Recessed Light Hole Saw	49-56-0303

Size	Description	Part No.
6-3/8"	6-3/8" Recessed Light Hole Saw	49-56-0305
6-5/8"	6-5/8" Recessed Light Hole Saw	49-56-0310
6-7/8"	6-7/8" Recessed Light Hole Saw	49-56-0315

**SHOCKWAVE IMPACT DUTY™ IMPACT HOLE SAWS**

**OVERVIEW**

Designed with a robust 1/4" quick change hex shank, MILWAUKEE® SHOCKWAVE Impact Duty™ Hole Saws give professionals a hole-making solution to use with impact drivers. Utilizing a thin wall 8 TPI design, SHOCKWAVE Impact Duty™ Hole Saws deliver a burr-free cut up to 40% faster than standard bi-metal hole saws. The included ejection spring removes the frustration of manually removing slugs by automatically ejecting the material. A stop shoulder design prevents over-drilling into material and potentially damaging inner components of electrical and junction boxes. Choose SHOCKWAVE Impact Duty™ Hole Saws for use in plastics and thin-gauge metals up to 1/8" thick.



**FEATURES**

- 1/4" Quick Change Hex Shank: For use with impact drivers
- Thin Wall 8 TPI Design: 40% faster cuts than standard bi-metal hole saws
- Stop Shoulder Design: Prevents over-drilling and damaging components

**SHOCKWAVE IMPACT DUTY™ HOLE SAWS**

Size	Part No.	Size	Part No.
3/4"	49-56-9805	1-1/4"	49-56-9825
7/8"	49-56-9810	1-3/8"	49-56-9830
1"	49-56-9815	1-1/2"	49-56-9835
1-1/8"	49-56-9820		

**SHOCKWAVE IMPACT DUTY™ HOLE SAW KIT**

Description	Includes	Part No.
<p><b>3 PC</b> SHOCKWAVE Impact Duty™ Hole Saw Kit</p>	<p>(1) 7/8" SHOCKWAVE Impact Duty™ Hole Saw (1) 1-1/8" SHOCKWAVE Impact Duty™ Hole Saw (1) 1-3/8" SHOCKWAVE Impact Duty™ Hole Saw</p>	49-22-4800

**SAWZALL® BLADES**

**SAWZALL® BLADES SELECTION GUIDE**

- 1 Identify the material to be cut in the columns below
  - 2 Follow the column down to find **BEST PERFORMANCE** or **ACCEPTABLE PERFORMANCE**
  - 3 Follow the row to the left to identify the appropriate teeth per inch (TPI) or specialty blade
- Note: Fewer TPI cut faster but rougher, while more TPI cut smoother but slower

	WOOD WITH NAILS	PVC & PLASTICS	ALUMINUM & OTHER NON-FERROUS METALS	THICK METAL (3/16" - 9/16")	MEDIUM METAL (1/4" - 7/16")	THIN METAL (1/8" - 5/16")	SHEET METAL (1/16" - 3/16")	CLEAN WOOD	TIMBER & GREEN WOOD	ROOTS	PLASTER/ DRYWALL	TILE	SHINGLES	FIBERGLASS	BRICK	CAST IRON	DUCTILE IRON	STAINLESS STEEL	HIGH STRENGTH ALLOYS	CEMENT BOARD	
<b>WOOD CUTTING</b>																					
3 TPI CARBIDE TEETH																					
4/6 TPI	FASTER/ ROUGHER																				
5 TPI																					
5 TPI CARBIDE TEETH																					
6 TPI CARBIDE TEETH		FASTER/ ROUGHER		FASTER/ ROUGHER																	
7/11 TPI			FASTER/ ROUGHER																		
8/12 TPI																					
10/14 TPI	SLOWER/ SMOOTHER																				
<b>MULTI-MATERIAL</b>																					
7 TPI NITRUS CARBIDE™																					
7 TPI CARBIDE TEETH																					
10 TPI		SLOWER/ SMOOTHER																			
14 TPI																					
18 TPI																					
24 TPI																					
<b>METAL CUTTING</b>																					
PRUNING																					
CLEAN WOOD																					
PLASTER																					
<b>SPECIALTY</b>																					
DIAMOND GRIT																					

**METAL CUTTING**

**THE TORCH™ w/ NITRUS CARBIDE™ SAWZALL® BLADES FOR CAST IRON**

**FEATURES**

- Unique Carbide Blend: Fastest cutting and longest life
- 70% Larger Gullets: Easy chip ejection
- 7 TPI: Fast starts and smooth cuts in cast iron



**CUTS 3X LONGER  
IN CAST IRON\***  
\*VS. EXISTING BLADES w/ CARBIDE TEETH

**CARBIDE TEETH**

SAWZALL® BLADES

**THE TORCH™ w/ NITRUS CARBIDE™ SAWZALL® BLADES FOR CAST IRON**

TPI	Length	Material	1 Pack	3 Pack	5 Pack
7	6"		48-00-5261	48-00-5361	48-00-5561
7	9"		48-00-5262	48-00-5362	48-00-5562
7	12"		48-00-5263	48-00-5363	48-00-5563

**THE TORCH™ w/ CARBIDE TEETH SAWZALL® BLADES FOR THICK METAL**
**FEATURES**

- Carbide Teeth: 50X Life in thick metal
- 25% More Carbide per Tooth: Longer life
- 70% Larger Gullets: Easy chip ejection
- 7 TPI: Fast, efficient cutting in thick and extreme metals


**CARBIDE TEETH**
**THE TORCH™ w/ CARBIDE TEETH SAWZALL® BLADES FOR THICK METAL**

TPI	Length	Material	1 Pack	3 Pack	5 Pack	25 Pack
7	6"		48-00-5201	48-00-5301	48-00-5501	48-00-8501
7	9"		48-00-5202	48-00-5302	48-00-5502	48-00-8502
7	12"		48-00-5203	48-00-5303	48-00-5503	-

**THE TORCH™ BI-METAL SAWZALL® BLADES**
**FEATURES**

- Optimized Tooth Design: Provides up to 5X longer life than standard bi-metal blades
- TOUGH NECK™ Ribs: Strengthen the blade tang and minimize breakage
- GRID IRON™ Honeycomb Pattern: Increases blade rigidity to resist blade buckling


**5X LIFE**
**THE TORCH™ BI-METAL SAWZALL® BLADES**

TPI	Length	Material	5 Pack	25 Pack	Bulk 10	Bulk 25	Bulk 100
10	6"		48-00-5712	48-00-8712	-	48-01-2712	48-01-7712
10	9"		48-00-5713	48-00-8713	48-01-2703	48-01-2713	48-01-7713
10	12"		48-00-5714	-	-	48-01-2714	-
14	6"		48-00-5782	48-00-8782	48-01-2762	48-01-2782	48-01-7782

**THE TORCH™ BI-METAL SAWZALL® BLADES**

TPI	Length	Material	5 Pack	25 Pack	Bulk 10	Bulk 25	Bulk 100
14	9"		48-00-5787	48-00-8787	48-01-2767	48-01-2787	48-01-7787
14	12"		48-00-5794	-	-	48-01-2794	-
18	6"		48-00-5784	48-00-8784	48-01-2764	48-01-2784	48-01-7784
18	9"		48-00-5788	48-00-8788	48-01-2768	48-01-2788	48-01-7788
18	12"		48-00-5789	48-00-8789	48-01-2769	48-01-2789	48-01-7789
24	6"		48-00-5786	-	-	-	-
24	9"		48-00-5790	-	-	-	-
24	12"		48-00-5791	-	-	-	-

**STANDARD METAL CUTTING SAWZALL® BLADES**
**FEATURES**

- 3X Longer life
- TOUGH NECK™ Ribs: Strengthen the blade tang and minimize breakage
- For fast flexible cuts


**3X LIFE**
**STANDARD METAL CUTTING SAWZALL® BLADES**

TPI	Length	Material	5 Pack	25 Pack	50 Pack	Bulk 10	Bulk 25	Bulk 100
10	4"		48-00-5090	-	-	-	-	-
10	6"		48-00-5092	-	-	-	-	48-01-7092
14	4"		48-00-5181	-	-	-	-	-
14	6"		48-00-5182	48-00-8182	48-01-6182	48-01-2162	48-01-2182	48-01-7182
14	9"		48-00-5187	-	48-01-6187	48-01-2167	48-01-2187	48-01-7187
18	4"		48-00-5183	-	-	-	-	-
18	6"		48-00-5184	48-00-8184	48-01-6184	48-01-2164	48-01-2184	48-01-7184
18	9"		48-00-5188	-	48-01-6188	48-01-2168	48-01-2188	48-01-7188
18	12"		48-00-5189	-	48-01-6189	48-01-2169	-	48-01-7189
24	4"		48-00-5185	-	-	-	-	-
24	6"		48-00-5186	48-00-8186	48-01-6186	-	48-01-2186	48-01-7186

**WOOD CUTTING**
**THE AX™ w/ CARBIDE TEETH SAWZALL® BLADES FOR CLEAN WOOD & PRUNING**
**FEATURES**

- 3 TPI Design: The fastest cuts in clean wood
- Low Blade Profile: Designed for root removal
- Durable Carbide Blend: Withstands abrasive materials


**CARBIDE TEETH**
**THE AX™ w/ CARBIDE TEETH SAWZALL® BLADES FOR CLEAN WOOD & PRUNING**

TPI	Length	Material	1 Pack	3 Pack
3	6"		48-00-5231	48-00-5331
3	9"		48-00-5232	48-00-5332
3	12"		48-00-5233	48-00-5333

**THE AX™ w/ CARBIDE TEETH SAWZALL® BLADES FOR NAIL EMBEDDED WOOD**
**FEATURES**

- FANG TIP™ Design: Faster plunge cutting
- Cuts wood, nails, screws, shingles, plaster, durock and more
- 5 TPI: Fast, aggressive cuts


**CARBIDE TEETH**
**THE AX™ w/ CARBIDE TEETH SAWZALL® BLADES FOR NAIL EMBEDDED WOOD**

TPI	Length	Material	1 Pack	3 Pack	5 Pack	25 Pack
5	6"		48-00-5221	48-00-5321	48-00-5521	-
5	9"		48-00-5226	48-00-5326	48-00-5526	48-00-8526
5	12"		48-00-5227	48-00-5327	48-00-5527	-

**THE AX™ BI-METAL SAWZALL® BLADES**
**FEATURES**

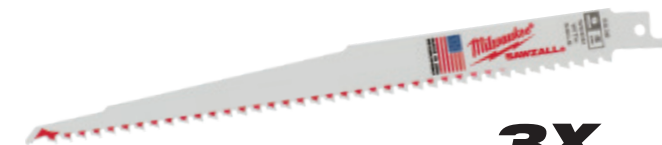
- NAIL GUARD™: Ordinary teeth deliver either speed or durability. NAIL GUARD™ solves this trade-off with an aggressive 5 TPI pattern for faster cuts and a unique design that protects against tooth fracture
- FANG TIP™: Ordinary tips bounce or skate on the work piece. FANG TIP™ bites into the wood on first contact
- Thicker, more rigid blade body resists fracturing and bending: Maximum durability and up to 5X longer life than standard bi-metal blades


**5X LIFE**
**THE AX™ BI-METAL SAWZALL® BLADES**

TPI	Length	Material	5 Pack	25 Pack	Bulk 10	Bulk 25	Bulk 100
5	6"		48-00-5021	48-00-8021	48-01-2001	48-01-2021	48-01-7021
5	9"		48-00-5026	48-00-8026	48-01-2006	48-01-2026	48-01-7026
5	12"		48-00-5027	48-00-8027	48-01-2007	48-01-2027	48-01-7027

**STANDARD WOOD CUTTING SAWZALL® BLADES**
**FEATURES**

- NAIL GUARD™: Ordinary teeth deliver either speed or durability. NAIL GUARD™ solves this trade-off with an aggressive 5 TPI pattern for faster cuts and a unique design that protects against tooth fracture
- FANG TIP™: Ordinary tips bounce or skate on the work piece. FANG TIP™ bites into the wood on first contact
- For fast flexible cuts


**3X LIFE**
**STANDARD WOOD CUTTING SAWZALL® BLADES**

TPI	Length	Material	5 Pack	25 Pack	50 Pack	Bulk 10	Bulk 25	Bulk 100
5	6"		48-00-5035	-	48-01-6035	48-01-2015	48-01-2035	48-01-7035
5	9"		48-00-5036	48-00-8036	48-01-6036	48-01-2016	48-01-2036	48-01-7036
5	12"		48-00-5037	-	48-01-6037	48-01-2017	48-01-2037	48-01-7037

SAWZALL® BLADES

SAWZALL® BLADES



**MULTI-MATERIAL**
**THE WRECKER™ w/ CARBIDE TEETH SAWZALL® BLADES**
**FEATURES**

- Aggressive 6 TPI: Fast demolition
- Ability to cut clean wood to thick metals
- FANG TIP™ Design: Faster plunge cutting


**CARBIDE TEETH**
**THE WRECKER™ w/ CARBIDE TEETH SAWZALL® BLADES**

TPI	Length	Material	1 Pack	3 Pack	5 Pack
6	6"		48-00-5241	48-00-5341	48-00-5541
6	9"		48-00-5242	48-00-5342	48-00-5542
6	12"		48-00-5243	48-00-5343	48-00-5543

**THE WRECKER™ BI-METAL SAWZALL® BLADES**
**FEATURES**

- A Precise Manufacturing Process: Creates a sharper cutting edge on each tooth for a faster cutting blade
- 7/11 TPI Tooth Design: Material versatility and up to 5X longer life versus standard bi-metal blades
- A Thicker, More Rigid Blade Body: Resists fracturing and bending for maximum durability


**THE WRECKER™ BI-METAL SAWZALL® BLADES**

TPI	Length	Material	5 Pack	25 Pack	10 Pack	Bulk 100
7/11	6"		48-00-5701	48-00-8701	48-01-2706	48-01-7701
7/11	9"		48-00-5706	48-00-8706	48-01-2702	48-01-7706
7/11	12"		48-00-5711	48-00-8711	48-01-2711	48-01-7711

**STANDARD MULTI-MATERIAL SAWZALL® BLADES**
**FEATURES**

- 3X Longer life
- Fast flexible cuts
- Optimized Blade Width: Material versatility


**STANDARD MULTI-MATERIAL SAWZALL® BLADES**

TPI	Length	Material	5 Pack	25 Pack	50 Pack	Bulk 10	Bulk 25	Bulk 100
8/12	6"		48-00-5091	-	48-01-6091	-	-	48-01-7091
8/12	8"		48-00-5093	48-00-8093	48-01-6093	48-01-2073	48-01-2093	48-01-7093
8/12	12"		48-00-5094	-	48-01-6094	-	48-01-2094	-
10/14	8"		48-00-5193	-	-	-	-	-
10/14	12"		48-00-5194	-	-	-	-	-



**SAWZALL® BLADE SETS**
**SAWZALL® BLADE SETS**

Description	Includes	Part No.
<b>5 PC</b> SAWZALL® w/ Carbide Teeth Blade Set	(2) 9" 5 TPI THE AX™ w/ Carbide Teeth SAWZALL® Blades (1) 9" 7 TPI THE TORCH™ w/ Carbide Teeth SAWZALL® Blade (2) 6" 7 TPI THE TORCH™ w/ Carbide Teeth SAWZALL® Blades	49-22-5505
<b>5 PC</b> SAWZALL® Demolition Blade Set	(1) 9" 5 TPI Wood THE AX™ SAWZALL® Blade (1) 9" 7/11 TPI Multi-Material THE WRECKER™ SAWZALL® Blade (1) 6" 14 TPI Metal THE TORCH™ SAWZALL® Blade (1) 6" 18 TPI Metal THE TORCH™ SAWZALL® Blade (1) 9" 14 TPI Metal THE TORCH™ SAWZALL® Blade	49-22-1105
<b>10 PC</b> SAWZALL® Blade Set	(3) 6" 14 TPI Metal SAWZALL® Blades (3) 6" 24 TPI Metal SAWZALL® Blades (2) 6" 5 TPI Wood SAWZALL® Blades (1) 9" 5 TPI Wood SAWZALL® Blade (1) 9" 18 TPI Metal SAWZALL® Blade	49-22-1110
<b>12 PC</b> SAWZALL® Demolition Blade Set	(4) 6" 18 TPI Metal THE TORCH™ SAWZALL® Blades (2) 6" 7/11 TPI Multi-Material THE WRECKER™ SAWZALL® Blades (2) 6" 5 TPI Wood THE AX™ SAWZALL® Blades (2) 9" 5 TPI Wood THE AX™ SAWZALL® Blades (2) 9" 14 TPI Metal THE TORCH™ SAWZALL® Blades	49-22-1129
<b>16 PC</b> SAWZALL® Metal Cutting Blade Set	(2) 6" 14 TPI Metal THE TORCH™ SAWZALL® Blades (2) 6" 18 TPI Metal THE TORCH™ SAWZALL® Blades (2) 9" 14 TPI Metal THE TORCH™ SAWZALL® Blades (2) 9" 18 TPI Metal THE TORCH™ SAWZALL® Blades (2) 9" 18 TPI Metal SAWZALL® Blades (3) 6" 18 TPI Metal SAWZALL® Blades (3) 6" 24 TPI Metal SAWZALL® Blades	49-22-1216

SAWZALL® BLADES

SAWZALL® BLADES





**SAWZALL® BLADE SETS**

Description	Includes	Part No.
 <b>32 PC SAWZALL® Blade Set</b>	(4) 9" 5 TPI Wood THE AX™ SAWZALL® Blades (4) 9" 7/11 TPI Multi-Material THE WRECKER™ SAWZALL® Blades (4) 9" 10 TPI Metal THE TORCH™ SAWZALL® Blades (4) 9" 18 TPI Metal THE TORCH™ SAWZALL® Blades (4) 9" 5 TPI Wood SAWZALL® Blades (4) 8" 8/12 TPI Multi-Material SAWZALL® Blades (4) 6" 14 TPI Metal SAWZALL® Blades (4) 6" 24 TPI Metal SAWZALL® Blades	49-22-1132
 <b>3 PC Material Removal Set</b>	(1) 1-1/2" Scraper Blade (1) 3" Scraper Blade (1) Grout Removal Tool	49-22-5403

**SPECIALTY SAWZALL® BLADES**
**SPECIALTY SAWZALL® BLADES**

Description	5 Pack	1 Pack	Bulk 100
9" 5 TPI Pruning SAWZALL® Blade	48-00-1301	48-00-1304	-
12" 5 TPI Pruning SAWZALL® Blade	48-00-1303	48-00-1305	-
6" 6 TPI Clean Wood SAWZALL® Blade	48-00-5015	-	48-01-7015
9" 6 TPI Clean Wood SAWZALL® Blade	48-00-5016	-	48-01-7016
12" 6 TPI Clean Wood SAWZALL® Blade	48-00-5017	-	-
3-5/8" 10 TPI Metal Scroll SAWZALL® Blade	48-00-5161	-	-
3-5/8" 14 TPI Metal Scroll SAWZALL® Blade	48-00-5162	-	-
3-5/8" 18 TPI Metal Scroll SAWZALL® Blade	48-00-5163	-	-
5" 6 TPI Plaster SAWZALL® Blade	48-00-5052	-	-
6" 4/6 TPI Wood Scroll SAWZALL® Blade	48-00-5041	-	-
6" DIAMOND MAX™ SAWZALL® Blade	-	48-00-1440	-
9" DIAMOND MAX™ SAWZALL® Blade	-	48-00-1450	-
Drywall Access SAWZALL® Blade	-	48-00-1640	-
Ductwork SAWZALL® Blade	48-00-1630	-	-
Flush Cut SAWZALL® Blade	-	48-00-1600	-
Rough-In SAWZALL® Blade	48-00-1610	-	-


**UTILITY & HACKZALL® BLADES**
**UTILITY RECIPROCATING SAW BLADES**

Description	1 Pack	Bulk 5
 1-1/2" Scraper Blade	49-00-5463	49-01-5463
 3" Scraper Blade	49-00-5456	49-01-5456
 5" Scraper Blade	49-00-5455	-
 Grout Removal Tool	49-00-5450	-

**HACKZALL® BLADES**

Description	3 Pack	5 Pack
4" 6 TPI Wood HACKZALL® Blades	-	49-00-5460
3-1/2" 10 TPI Wood Scrolling HACKZALL® Blades	-	49-00-5310
3-1/2" 24 TPI Metal Scrolling HACKZALL® Blades	-	49-00-5324
4" Grit Fiberglass HACKZALL® Blades	49-00-5400	-
4" 10 TPI Multi-Material HACKZALL® Blades	-	49-00-5410
4" 14 TPI PVC HACKZALL® Blades	-	49-00-5414
6" 14 TPI PVC HACKZALL® Blades	-	49-00-5614
4" 18 TPI EMT HACKZALL® Blades	-	49-00-5418
4" 24 TPI Duct HACKZALL® Blades	-	49-00-5424
4" 6 TPI Plaster & Drywall HACKZALL® Blades	-	49-00-5461

**JIG SAW BLADES**
**OVERVIEW**

Get professional-grade performance and longer blade life with MILWAUKEE® Jig Saw Blades. With MILWAUKEE's attention to blade material, tooth shape and sharpness, these jig saw blades produce clean, fast cuts in wood, metal and other materials. MILWAUKEE's line of over 45 different products includes both T-Shank and U-Shank blades.

**WOOD CUTTING JIG SAW BLADES**
**FEATURES**

- Heavy Duty: Advanced construction for long life in tough professional applications
- Fast Cuts: Tooth shape and sharpness permit quick, straight cutting in wood



**WOOD CUTTING JIG SAW BLADES**

Shank	TPI	Length	Composition	Quantity	Part No.
T-Shank	6	4"	Bi-Metal	5 Pack	48-42-5302
T-Shank	6	4"	High-Carbon Steel	5 Pack	48-42-5512
T-Shank	6	4"	High-Carbon Steel	5 Pack	48-42-5421
T-Shank	6	4"	High-Carbon Steel	5 Pack	48-42-5500
T-Shank	8	4"	High-Carbon Steel	5 Pack	48-42-5220
T-Shank	10	4"	Bi-Metal	5 Pack	48-42-5311
T-Shank	10	4"	High-Carbon Steel	5 Pack	48-42-5240
T-Shank	10	4"	High-Carbon Steel	5 Pack	48-42-5540
T-Shank	12	3"	High-Carbon Steel	5 Pack	48-42-5640
T-Shank	20	3"	Bi-Metal	5 Pack	48-42-5385

Shank	TPI	Length	Composition	Quantity	Part No.
U-Shank	6	4"	Bi-Metal	5 Pack	48-42-2302
U-Shank	6	4"	High-Carbon Steel	5 Pack	48-42-0421
U-Shank	6	4"	High-Carbon Steel	5 Pack	48-42-0500
U-Shank	8	3-1/8"	High-Carbon Steel	5 Pack	48-42-0240
U-Shank	8	4"	High-Carbon Steel	5 Pack	48-42-0220
U-Shank	10	4"	Bi-Metal	5 Pack	48-42-2311
U-Shank	10	3-5/8"	High-Carbon Steel	5 Pack	48-42-0540
U-Shank	10	4"	High-Carbon Steel	5 Pack	48-42-0640
U-Shank	12	2-3/4"	High-Carbon Steel	5 Pack	48-42-0650

**METAL CUTTING JIG SAW BLADES**
**FEATURES**

- Heavy Duty: Advanced construction for long life in tough professional applications
- Fast Cuts: Tooth shape and sharpness permit quick shearing through metal


**METAL CUTTING JIG SAW BLADES**

Shank	TPI	Length	Composition	Quantity	Part No.
T-Shank	8	4"	Bi-Metal	5 Pack	48-42-5850
T-Shank	14	3"	Bi-Metal	5 Pack	48-42-5190
T-Shank	14	3"	High Speed Steel	5 Pack	48-42-5101
T-Shank	14	5-1/4"	Bi-Metal	5 Pack	48-42-5192
T-Shank	18	3"	Bi-Metal	5 Pack	48-42-5121
T-Shank	24	3"	Bi-Metal	5 Pack	48-42-5161
T-Shank	24	5-1/4"	Bi-Metal	5 Pack	48-42-5166
U-Shank	8	4"	Bi-Metal	5 Pack	48-42-0850

Shank	TPI	Length	Composition	Quantity	Part No.
U-Shank	14	3-5/8"	Bi-Metal	5 Pack	48-42-2190
U-Shank	14	5"	Bi-Metal	5 Pack	48-42-2192
U-Shank	14	2-3/4"	High Speed Steel	5 Pack	48-42-0101
U-Shank	18	2-3/4"	Bi-Metal	5 Pack	48-42-2120
U-Shank	18	2-3/4"	High Speed Steel	5 Pack	48-42-0120
U-Shank	24	2-3/4"	Bi-Metal	5 Pack	48-42-2160
U-Shank	24	5"	Bi-Metal	5 Pack	48-42-2166
U-Shank	24	2-3/4"	High Speed Steel	5 Pack	48-42-0140

**GENERAL PURPOSE JIG SAW BLADES**
**FEATURES**

- Heavy Duty: Advanced construction for long life in tough professional applications
- Fast Cuts: Tooth shape and durability allow for smooth, clean cuts in wood, metal and other materials


**GENERAL PURPOSE JIG SAW BLADES**

Shank	TPI	Length	Composition	Quantity	Part No.
T-Shank	6	4"	Bi-Metal	5 Pack	48-42-5300
T-Shank	6	4"	High-Carbon Steel	5 Pack	48-42-5200
T-Shank	10	4"	Bi-Metal	5 Pack	48-42-5310
T-Shank	12	3"	Bi-Metal	5 Pack	48-42-5390

Shank	TPI	Length	Composition	Quantity	Part No.
U-Shank	6	4"	Bi-Metal	5 Pack	48-42-2300
U-Shank	6	4"	High-Carbon Steel	5 Pack	48-42-0200
U-Shank	10	4-1/8"	Bi-Metal	5 Pack	48-42-2310
U-shank	20	2-3/4"	Bi-Metal	5 Pack	48-42-2385

**SPECIALTY JIG SAW PRODUCTS**
**SPECIALTY JIG SAW PRODUCTS**

Description	Part No.
2-3/4" Carbide Grit Jig Saw Blade (5 Pk)	48-42-0801
T-Shank Wood and Metal Assortment (5 Pk)	49-22-1178
U-Shank Wood and Metal Assortment (5 Pk)	49-22-1168

Description	Part No.
Anti-Splintering Device	48-08-0530
Plastic Shoe Cover	48-08-0533
Vacuum Manifold and Hose	48-09-1040

**CIRCULAR SAW BLADES**
**WOOD CUTTING CIRCULAR SAW BLADES**
**OVERVIEW**

MILWAUKEE® Circular Saw Blades provide longer life, increased accuracy and cooler cuts in wood cutting applications. The blades are designed utilizing application-specific Cobalt Infused Tungsten Carbide to extend cutting life and maintain tip sharpness. The blades feature Laser Cut Vibration Slots to reduce wobble and warping. With an Anti-Friction Coating, the blades resist corrosion and gummying. MILWAUKEE's Circular Saw Blades are optimized for cordless and corded performance.

**FEATURES**

- Cobalt Infused Tungsten Carbide: Extends cutting life and maintains tip sharpness
- Anti-Friction Coating: Provides cooler cuts
- Laser Cut Vibration Slots: Increase blade accuracy and prevent wobble and warping


**CARBIDE TEETH**
**WOOD CUTTING CIRCULAR SAW BLADES**

Diameter	No. of Teeth	Application	Hook Angle	Kerf Thickness (mm)	Arbor Size	Part No.	Bulk 10
5-3/8"	16	Framing	15°	0.063	10 mm	48-40-0522	-
5-3/8"	36	Finish	15°	0.063	10 mm	48-40-0524	-
5-1/2"	18	Framing	18°	0.063	10 mm	48-40-0520	-
6-1/2"	24	Framing	18°	0.063	5/8", ◆	48-40-0620	48-41-0620
6-1/2"	40	Finish	15°	0.063	5/8", ◆	48-40-0622	-
7-1/4"	24	Framing	20°	0.063	5/8", ◆	-	48-41-0710
7-1/4"	24	Framing	20°	0.063	5/8", ◆	-	48-41-0713
7-1/4"	24	Framing	18°	0.063	5/8", ◆	48-40-0720	48-41-0720
7-1/4"	24	Framing	18°	0.063	5/8", ◆	-	48-41-0723
7-1/4"	40	Finish	15°	0.063	5/8", ◆	48-40-0726	48-41-0726
7-1/4"	60	Finish	15°	0.063	5/8", ◆	48-40-0730	48-41-0730
8-1/4"	24	Framing	18°	0.083	5/8", ◆	48-40-0820	-
8-1/4"	40	Finish	15°	0.083	5/8", ◆	48-40-0822	-
8-1/4"	60	Finish	12°	0.094	5/8"	48-40-0826	-
8-1/2"	40	General Purpose	15°	0.094	5/8"	48-40-0824	-
10"	24	Ripping	22°	0.094	5/8"	48-40-1020	-
10"	40	General Purpose	15°	0.094	5/8"	48-40-1024	-

**WOOD CUTTING CIRCULAR SAW BLADES**

Diameter	No. of Teeth	Application	Hook Angle	Kerf Thickness (mm)	Arbor Size	Part No.	Bulk 10
10"	50	Combination	12°	0.094	5/8"	48-40-1026	-
10"	60	Finish	12°	0.094	5/8"	48-40-1028	-
10"	80	Finish	12°	0.094	5/8"	48-40-1032	-
10"	40 & 60	General Purpose/Finish	15° & 12°	0.094 & 0.094	5/8"	48-40-1036	-
10-1/4"	28	Framing	18°	0.102	5/8"	48-40-1038	-
10-1/4"	40	Finish	12°	0.102	5/8"	48-40-1040	-
12"	44	General Purpose	15°	0.118	1"	48-40-1220	-
12"	60	Combination	12°	0.118	1"	48-40-1222	-
12"	80	Finish	12°	0.118	1"	48-40-1224	-
12"	100	Finish	12°	0.118	1"	48-40-1228	-
12"	44 & 80	General Purpose/Finish	15° & 12°	0.118 & 0.118	1"	48-40-1232	-

**METAL CUTTING CIRCULAR SAW BLADES**
**OVERVIEW**

MILWAUKEE® Metal Cutting Circular Saw Blades were specifically designed to exceed contractors expectations for blade life, cut quality and speed in the most demanding metal cutting applications – without a lubricant. A hand-tensioned, hardened alloy steel body minimizes vibration to extend blade life and delivers the highest quality cuts available. Carbide teeth shear through metal leaving burr-free, cool-to-touch cuts.

**FEATURES**

- Dry: No lubricant required, saving time and money with less mess
- Cool: No extreme heat buildup preserves blade life and allows handling the work piece immediately
- Clean: No burrs eliminates secondary operations, saving time and money


**CARBIDE TEETH**
**METAL CUTTING CIRCULAR SAW BLADES**

Diameter	No. of Teeth	Application	Hook Angle	Kerf Thickness	Arbor	Part No.
5-3/8"	30	Metal and Stainless	0°	0.063"	20 mm	48-40-4070
5-3/8"	30	Metal and Stainless	0°	0.063"	5/8"	48-40-4205
5-7/8"	34	Metal	2°	0.063"	20 mm	48-40-4215
6-1/2"	48	Metal	2°	0.063"	5/8"	48-40-4220
6-7/8"	36	Metal	2°	0.063"	20 mm	48-40-4225
7	40	Metal	2°	0.071"	20 mm	48-40-4230
7-1/4"	48	Metal	2°	0.071"	5/8"	48-40-4235

Diameter	No. of Teeth	Application	Hook Angle	Kerf Thickness	Arbor	Part No.
7-1/4"	48	Metal	2°	0.071"	20 mm	48-40-4237
7-1/4"	70	Thin Metal	-5°	0.071"	5/8"	48-40-4240
8"	42	Metal and Stainless	0°	0.073"	5/8"	48-40-4515
8"	50	Thin Metal and Stainless	0°	0.073"	5/8"	48-40-4520
9"	48	Metal	0°	0.071"	1"	48-40-4255
10"	50	Metal	0°	0.079"	5/8"	48-40-4260
12"	60	Metal	0°	0.087"	1"	48-40-4265

CIRCULAR SAW BLADES

**METAL CUTTING CIRCULAR SAW BLADES**

Diameter	No. of Teeth	Application	Hook Angle	Kerf Thickness	Arbor	Part No.
14"	72	Metal and Stainless	0°	0.087"	1"	48-40-4505
14"	90	Thin Metal	10°	0.087"	1"	48-40-4510
5-3/8"	50	Aluminum	-5°	0.063"	20 mm	48-40-4075
5-7/8"	50	Aluminum	-5°	0.071"	20 mm	48-40-4315
6-1/2"	54	Aluminum	-5°	0.071"	5/8"	48-40-4320
7"	54	Aluminum	-5°	0.079"	20 mm	48-40-4330

Diameter	No. of Teeth	Application	Hook Angle	Kerf Thickness	Arbor	Part No.
7-1/4"	56	Aluminum	-6°	0.079"	5/8"	48-40-4335
8"	58	Aluminum	-6°	0.094"	5/8"	48-40-4345
9"	72	Aluminum	-6°	0.094"	1"	48-40-4355
10"	72	Aluminum	-6°	0.110"	5/8"	48-40-4360
12"	80	Aluminum	-6°	0.118"	1"	48-40-4365
14"	80	Aluminum	-6°	0.126"	1"	48-40-4370

**FIBER CEMENT CUTTING CIRCULAR SAW BLADES**

**OVERVIEW**

MILWAUKEE® Fiber Cement Circular Saw Blades provide up to 75X longer life, increased accuracy and cooler cuts in fiber cement applications. The blades are designed utilizing Polycrystalline Diamond Teeth to extend cutting life in fiber cement material. The blades feature Laser Cut Vibration Slots to reduce wobble and warping. With an Anti-Friction Coating, the blades resist corrosion and gumming. MILWAUKEE's Circular Saw Blades are optimized for cordless and corded performance.

**FEATURES**

- Polycrystalline Diamond Teeth: Extend cutting life in fiber cement up to 75X longer
- Anti-Friction Coating: Provides cooler cuts
- Laser Cut Vibration Slots: Increase blade accuracy and prevent wobble and warping



**CARBIDE TEETH**

**FIBER CEMENT CUTTING CIRCULAR SAW BLADES**

Diameter	No. of Teeth	Application	Hook Angle	Kerf Thickness (mm)	Arbor Size	Part No.
7-1/4"	4T	Fiber Cement	10°	0.071	5/8", ◆	48-40-7000
10"	6T	Fiber Cement	10°	0.079	5/8"	48-40-7010
12"	8T	Fiber Cement	10°	0.087	1"	48-40-7020

**CIRCULAR SAW ACCESSORIES**

**CIRCULAR SAW ACCESSORIES**

Description	Part No.
Dust Collection Kit	49-22-8105
Extension Kit	49-22-8108
Hold Down Bar Kit	49-22-8100
Mid-Way Fence Kit	49-22-8110

Description	Part No.
Quick Stop Gauging Kit	49-22-8102
Riser Support	48-08-0360
Tool Stand	48-08-0350

Description	Part No.
Wedge Clamps	48-08-0380
Wheel Kit	49-22-8106
Work Center	48-08-0450

**OSCILLATING MULTI-TOOL BLADES & ACCESSORIES**

**OVERVIEW**

MILWAUKEE® Oscillating Multi-Tool Accessories provide a complete solution for cutting, scraping, sanding and grinding across a wide range of materials and applications. Equipped with an OPEN-LOK™ Universal blade anchor for quick blade changes. Made with high quality materials and advanced manufacturing processes to deliver professional grade performance and market leading innovation.

**TITANIUM ENHANCED™ CARBIDE TEETH BLADES**

**FEATURES**

- TITANIUM ENHANCED™ Carbide Teeth: Up to 50X Longer Life
- Extreme Metal Blade: Cuts through screws, bolts, hard metal, cement board, plaster and more
- Extreme Materials Blade: Fast cuts through wood with screws, nails, cement board, plaster, copper and more
- Universal Fit, OPEN-LOK™ Anchor: Raised for easy flush cuts and quick blade changes



**TITANIUM ENHANCED™**

**TITANIUM ENHANCED™ CARBIDE TEETH BLADES**

Description	Materials	1 Pack	2 Pack	3 Pack	5 Pack
1-3/8" TITANIUM ENHANCED™ Carbide Teeth Extreme Metal Blade		49-25-1501	49-25-1502	49-25-1503	49-25-1505
1-3/8" TITANIUM ENHANCED™ Carbide Teeth Extreme Materials Blade		49-25-1521	49-25-1522	49-25-1523	49-25-1525

**TITANIUM ENHANCED™ BI-METAL BLADES**

**FEATURES**

- TITANIUM ENHANCED™ Bi-Metal: Up to 15X Longer Life
- Cut-away Blade Body Shape: Easier plunge cuts
- Universal Fit, OPEN-LOK™ Anchor: Raised for easy flush cuts and quick blade changes



**TITANIUM ENHANCED™ BI-METAL BLADES**

Description	Material	1 Pack	3 Pack	10 Pack
3/8" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blade		49-25-1201	-	-
1-1/4" TITANIUM ENHANCED™ Bi-Metal Multi-Material Deep Plunge Blade		49-25-1203	-	-
1-3/8" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blade		49-25-1231	49-25-1233	49-25-1239
2-1/2" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blade		49-25-1241	49-25-1243	49-25-1249

OSCILLATING MULTI-TOOL BLADES & ACCESSORIES

**TITANIUM ENHANCED™ BI-METAL BLADES**

Description	Material	1 Pack	3 Pack	10 Pack
3-1/2" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blade		49-25-1271	-	-
1-1/8" TITANIUM ENHANCED™ Bi-Metal Metal Blade		49-25-1251	49-25-1253	49-25-1259
1-3/4" TITANIUM ENHANCED™ Bi-Metal Metal Blade		49-25-1261	49-25-1263	49-25-1269

**JAPANESE TOOTH HARDWOOD BLADES**

**FEATURES**

- Precision-ground Japanese Teeth: A smooth finish and up to 2X faster cuts
- Pro-Curve Cutting Edge: Greater control and clean cuts
- Universal Fit, OPEN-LOK™ Anchor: Raised for easy flush cuts and quick blade changes



**JAPANESE TOOTH HARDWOOD BLADES**

Description	Material	1 Pack	3 Pack	10 Pack
1-3/8" Pro-Curve Japanese Tooth Hardwood Blade		49-25-1131	49-25-1133	49-25-1139
2-1/2" Pro-Curve Japanese Tooth Hardwood Blade		49-25-1151	49-25-1153	49-25-1159

**WOOD BLADES**

**FEATURES**

- Optimized Teeth: Fast cuts in wood
- Cut-away Blade Body Shape: Easier plunge cuts
- Universal Fit, OPEN-LOK™ Anchor: Raised for easy flush cuts and quick blade changes



**WOOD BLADES**

Description	Material	1 Pack	3 Pack	10 Pack
1-3/8" High Carbon Steel Wood Blade		49-25-1101	49-25-1103	49-25-1109
2-1/2" High Carbon Steel Wood Blade		49-25-1111	49-25-1113	49-25-1119
3-1/2" Segmented High Carbon Steel Wood Blade		49-25-1121	-	-

**SPECIALTY**

**FEATURES**

- Universal OPEN-LOK™ Anchor: Quick blade changes
- Laser Etching: Easily identify blade application
- Specialty cutting, scraping, grinding and sanding accessories

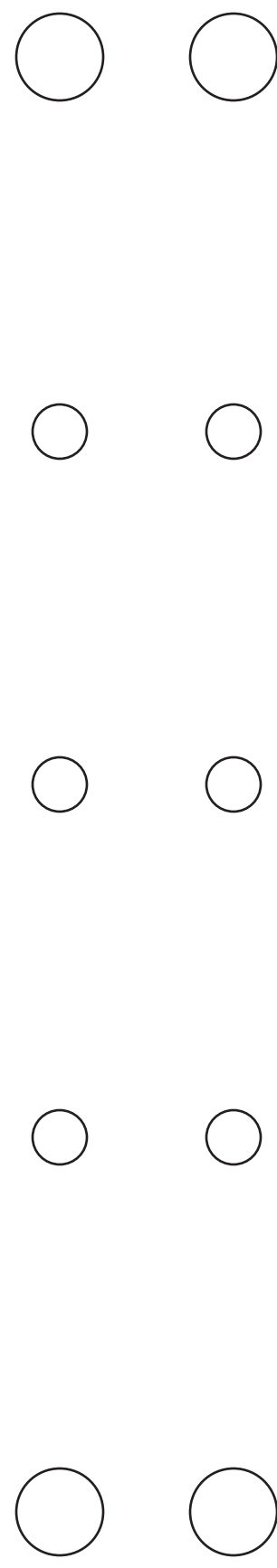


**SPECIALTY**

Description	Material	1 Pack	2 Pack	5 Pack	6 Pack	10 Pack	25 Pack
5 IN 1 Drywall Blade		49-25-2281	-	-	-	-	-
2 IN 1 Carbide Grit Grout & Mortar Blade		49-25-2261	-	-	-	-	-
Boot Shaped Diamond Grit Grout Blade		49-25-2271	-	-	-	-	-
3 IN 1 Multi-Cutter Blade		49-25-2221	-	-	-	-	-
2 PC Flexible & Rigid Scraper Blade Combo Pack		-	49-25-2202	-	-	-	-
Window Sealant Cutters		-	-	49-25-2222	-	-	-
Straight Sealant Cutters		-	-	49-25-2231	-	-	-
Tapered Sealant Cutters		-	-	49-25-2241	-	-	-
3-1/2" Triangle Sanding Pad		49-25-2001	-	-	-	-	-
10 PC 3-1/2" Triangle Sanding Pad & Sandpaper		-	-	-	-	49-25-2009	-
25 PC 3-1/2" Sandpaper Assortment		-	-	-	-	-	49-25-2025
60 Grit Sandpaper		-	-	-	49-25-2060	-	-
80 Grit Sandpaper		-	-	-	49-25-2080	-	-
120 Grit Sandpaper		-	-	-	49-25-2120	-	-
180 Grit Sandpaper		-	-	-	49-25-2180	-	-
240 Grit Sandpaper		-	-	-	49-25-2240	-	-
Multi-Tool Blade Adapter for Dremel® model MM50 only	-	-	-	49-10-9000	-	-	-
Multi-Tool Dust Extraction Attachment	-	49-90-2420	-	-	-	-	-
Multi-Tool Depth Stop	-	49-90-2430	-	-	-	-	-








OSCILLATING MULTI-TOOL BLADES & ACCESSORIES

OSCILLATING MULTI-TOOL BLADES & ACCESSORIES



**BLADE SETS & VARIETY PACKS**

**BLADE SETS & VARIETY PACKS**

Description	Includes	Part No.
 <b>3 PC</b> TITANIUM ENHANCED™ All Purpose Pro Blade Set	(1) 1-3/8" TITANIUM ENHANCED™ Carbide Teeth Extreme Metal Blade (1) 1-3/8" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blade (1) 1-3/8" Pro-Curve Japanese Tooth Hardwood Blade	49-10-9001
 <b>3 PC</b> TITANIUM ENHANCED™ Multi-Material Variety Pack	(1) 1-3/8" TITANIUM ENHANCED™ Carbide Teeth Extreme Multi-Material Blade (1) 1-3/8" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blade (1) 2-1/2" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blade	49-10-9005
 <b>3 PC</b> TITANIUM ENHANCED™ Metal Variety Pack	(1) 1-3/8" TITANIUM ENHANCED™ Carbide Teeth Extreme Metal Blade (1) 1-1/8" TITANIUM ENHANCED™ Bi-Metal Metal Blade (1) 1-3/4" TITANIUM ENHANCED™ Bi-Metal Metal Blade	49-10-9006
 <b>3 PC</b> High Carbon Steel Wood Variety Pack	(1) 1-3/8" High Carbon Steel Wood Blade (1) 2-1/2" High Carbon Steel Wood Blade (1) 3-1/2" Segmented High Carbon Steel Wood Blade	49-10-9004
 <b>6 PC</b> Multi-Tool Blade Kit w/ Case	(2) 1-3/8" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blades (1) 2-1/2" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blade (2) 1-3/8" Pro-Curve Japanese Tooth Hardwood Blades (1) 1-3/8" High Carbon Steel Wood Blade (1) Hard Case	49-10-9112
 <b>9 PC</b> Multi-Tool Blade Kit w/ Case	(1) 1-3/8" TITANIUM ENHANCED™ Carbide Teeth Extreme Metal Blade (2) 1-3/8" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blades (1) 2-1/2" TITANIUM ENHANCED™ Bi-Metal Multi-Material Blade (1) 3-1/2" Segmented TITANIUM ENHANCED™ Bi-Metal Multi-Material Blade (2) 1-3/8" Pro-Curve Japanese Tooth Hardwood Blades (2) 1-3/8" High Carbon Steel Wood Blades (1) Hard Case	49-10-9113
 Customizable Hard Case	(6) Interchangeable Pegs (1) Hard Case	49-10-0001

**CONCRETE DRILLING & CHISELING**

**SDS PLUS**

**MX4™ 4-CUTTER SDS PLUS BITS**

**OVERVIEW**

Our MX4™ 4-Cutter SDS PLUS Rotary Hammer Drill Bits with solid head carbide deliver up to 5X longer life in concrete with rebar. Engineered with rebar guards to provide maximum durability in hard aggregate and rebar. We designed our MX4™ 4-Cutter bits with sharp centering tips for exact spot drilling in concrete and metal decking. 4-cutter design prevents lock-up in rebar, reducing downtime. Variable flutes remove dust faster, reducing heat and delivering up to 20% more holes per battery charge. The wear mark indicator on each drill bit shows you when they no longer meet the ANSI requirement. These MILWAUKEE® MX4™ 4-Cutter Drill Bits are ideal for concrete with rebar and masonry applications. Choose from single bits, bulk packs or drill bit kits in a variety of sizes.

**FEATURES**

- Solid Head Carbide: Delivers up to 5X longer life in concrete with rebar
- Rebar Guards: Maximum durability in hard aggregate and rebar
- Sharp Centering Tip: Exact spot drilling in concrete and metal decking

**MX4™ 4-CUTTER SDS PLUS BITS**

Diameter	Usable Length	Length	1 Pack	Bulk	Monster Pack
5/32"	4"	6"	48-20-7308	-	-
3/16"	2"	4"	48-20-7310	48-20-7910 (15 pk)	-
3/16"	4"	6"	48-20-7311	48-20-7911 (15 pk)	48-20-7990 (100 pk)
3/16"	6"	8"	48-20-7312	48-20-7912 (15 pk)	-
3/16"	8"	10"	48-20-7313	-	-
3/16"	10"	12"	48-20-7314	-	-
1/4"	2"	4"	48-20-7330	48-20-7930 (15 pk)	-
1/4"	4"	6"	48-20-7331	48-20-7931 (15 pk)	48-20-7994 (100 pk)
1/4"	6"	8"	48-20-7332	48-20-7932 (15 pk)	-
1/4"	8"	10"	48-20-7334	-	-
1/4"	10"	12"	48-20-7335	-	-
5/16"	4"	6"	48-20-7341	48-20-7941 (15 pk)	-
5/16"	10"	12"	48-20-7344	-	-

Diameter	Usable Length	Length	1 Pack	Bulk
3/8"	4"	6"	48-20-7351	48-20-7951 (10 pk)
3/8"	10"	12"	48-20-7354	48-20-7954 (10 pk)
3/8"	16"	18"	48-20-7357	-
7/16"	4"	6"	48-20-7361	-
7/16"	10"	12"	48-20-7364	-
1/2"	4"	6"	48-20-7371	48-20-7971 (10 pk)
1/2"	10"	12"	48-20-7374	48-20-7974 (10 pk)
1/2"	16"	18"	48-20-7377	-
9/16"	4"	6"	48-20-7381	-
9/16"	10"	12"	48-20-7384	-
9/16"	16"	18"	48-20-7387	-
5/8"	6"	8"	48-20-7200	-
5/8"	10"	12"	48-20-7203	-



**SOLID HEAD CARBIDE**

**UP TO  
5X  
LIFE  
IN REBAR**

CONCRETE DRILLING  
& CHISELING

**MX4™ 4-CUTTER SDS PLUS BITS**

Diameter	Usable Length	Length	1 Pack	Bulk
5/8"	16"	18"	48-20-7206	-
3/4"	6"	8"	48-20-7210	-
3/4"	8"	10"	48-20-7212	-
3/4"	10"	12"	48-20-7215	-
3/4"	16"	18"	48-20-7220	-
7/8"	6"	8"	48-20-7225	-
7/8"	8"	10"	48-20-7228	-

Diameter	Usable Length	Length	1 Pack	Bulk
7/8"	10"	12"	48-20-7230	-
7/8"	16"	18"	48-20-7236	-
1"	8"	10"	48-20-7240	-
1"	16"	18"	48-20-7246	-
1-1/8"	8"	10"	48-20-7250	-
1-1/8"	16"	18"	48-20-7256	-
1-1/4"	16"	18"	48-20-7266	-

This product complies with ANSI B212.15 standard

**M/2™ 2-CUTTER SDS PLUS BITS**

Diameter	Usable Length	Length	1 Pack	Bulk	Monster Pack
5/32"	2"	4"	48-20-7400	48-20-7500 (25 pk)	-
5/32"	4"	6"	48-20-7401	48-20-7501 (25 pk)	-
3/16"	2"	4"	48-20-7410	48-20-7510 (25 pk)	48-20-7810 (200 pk)
3/16"	4"	6"	48-20-7411	48-20-7511 (25 pk)	48-20-7811 (200 pk)
3/16"	6"	8"	48-20-7412	48-20-7512 (25 pk)	-
3/16"	8"	10"	48-20-7413	48-20-7513 (25 pk)	-
3/16"	10"	12"	48-20-7414	48-20-7514 (25 pk)	-
3/16"	12"	14"	48-20-7415	48-20-7515 (25 pk)	-
3/16"	14"	16"	48-20-7416	48-20-7516 (25 pk)	-
7/32"	4"	6"	48-20-7421	48-20-7521 (25 pk)	-
7/32"	6"	8"	48-20-7422	48-20-7522 (25 pk)	-
7/32"	8"	10"	48-20-7424	48-20-7524 (25 pk)	-
7/32"	12"	14"	48-20-7425	48-20-7525 (25 pk)	-
7/32"	14"	16"	48-20-7426	48-20-7526 (25 pk)	-
1/4"	2"	4"	48-20-7430	48-20-7530 (25 pk)	48-20-7830 (200 pk)
1/4"	4"	6"	48-20-7431	48-20-7531 (25 pk)	48-20-7831 (200 pk)
1/4"	6"	8"	48-20-7432	48-20-7532 (25 pk)	-
1/4"	8"	10"	48-20-7433	48-20-7533 (25 pk)	-
1/4"	10"	12"	48-20-7434	48-20-7534 (25 pk)	-
1/4"	12"	14"	48-20-7435	48-20-7535 (25 pk)	-
1/4"	14"	16"	48-20-7436	48-20-7536 (25 pk)	-
1/4"	18"	20"	48-20-7438	-	-
5/16"	4"	6"	48-20-7441	48-20-7541 (25 pk)	48-20-7841 (150 pk)
5/16"	10"	12"	48-20-7444	-	-
3/8"	4"	6"	48-20-7451	48-20-7551 (20 pk)	48-20-7851 (125 pk)
3/8"	6"	8"	48-20-7452	-	-
3/8"	8"	10"	48-20-7453	-	-
3/8"	10"	12"	48-20-7454	48-20-7554 (20 pk)	-
3/8"	16"	18"	48-20-7457	-	-

Diameter	Usable Length	Length	1 Pack	Bulk	Monster Pack
3/8"	22"	24"	48-20-7459	-	-
7/16"	4"	6"	48-20-7461	-	-
7/16"	10"	12"	48-20-7464	-	-
7/16"	16"	18"	48-20-7467	-	-
1/2"	4"	6"	48-20-7471	48-20-7571 (15 pk)	48-20-7871 (100 pk)
1/2"	8"	10"	48-20-7473	-	-
1/2"	10"	12"	48-20-7474	48-20-7574 (15 pk)	-
1/2"	16"	18"	48-20-7477	-	-
1/2"	22"	24"	48-20-7479	-	-
9/16"	4"	6"	48-20-7481	-	-
9/16"	10"	12"	48-20-7484	-	-
9/16"	16"	18"	48-20-7487	-	-
5/8"	4"	6"	48-20-7601	-	-
5/8"	6"	8"	48-20-7602	48-20-7702 (10 pk)	-
5/8"	10"	12"	48-20-7604	-	-
5/8"	16"	18"	48-20-7607	-	-
5/8"	22"	24"	48-20-7609	-	-
11/16"	6"	8"	48-20-7058	-	-
3/4"	6"	8"	48-20-7061	-	-
3/4"	8"	10"	48-20-7063	-	-
3/4"	10"	12"	48-20-7065	-	-
3/4"	16"	18"	48-20-7066	-	-
3/4"	22"	24"	48-20-7067	-	-
7/8"	6"	8"	48-20-7071	-	-
7/8"	10"	12"	48-20-7072	-	-
7/8"	16"	18"	48-20-7075	-	-
1"	8"	10"	48-20-7080	-	-
1"	16"	18"	48-20-7085	-	-

This product complies with ANSI B212.15 standard

**M/2™ 2-CUTTER SDS PLUS BITS**

**OVERVIEW**

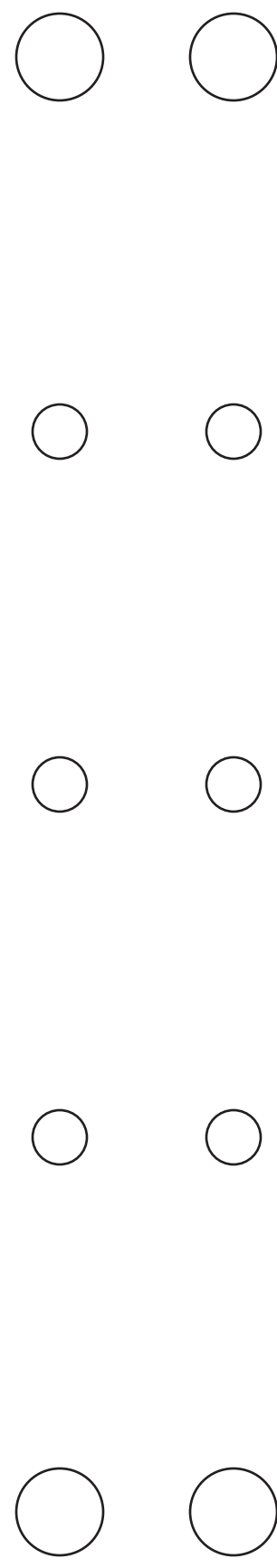
MILWAUKEE® M/2™ 2-Cutter SDS Plus Rotary Hammer Drill Bits are up to 30% faster with up to 20% more holes per charge in cordless rotary hammers. Breaker point pulverizes the material more effectively, resulting in faster drilling speeds. The variable flute allows for maximum debris extraction, leading to up 20% more holes per charge in cordless rotary hammers while making it a very durable bit in corded and cordless rotary hammers. The enhanced rebar guards provide increased durability in hard aggregate and rebar. Additionally, M/2™ features a centering tip for exact spot drilling, wear mark indicator indicating when the bit no longer meets ANSI diameter requirements and a reinforced flute for durability and minimized vibration. The increased life and efficiency of the M/2™ 2-Cutter drill bit line provides the ideal solution in general concrete for cordless and corded rotary hammer users.

**FEATURES**

- Enhanced Rebar Guards: Increased durability
- Breaker Points: Faster drilling speeds
- Variable Flutes: Maximum debris extraction



UP TO **30% FASTER**






CONCRETE DRILLING & CHISELING


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**SDS PLUS DRILL BIT KITS**

**SDS PLUS DRILL BIT KITS**

Description	Includes	Part No.
 <b>5 PC</b> SDS Plus MX4™ Kit	(1) 3/16" x 4" MX4™ 4-Cutter SDS Plus Drill Bit (1) 1/4" x 6" MX4™ 4-Cutter SDS Plus Drill Bit (1) 5/16" x 6" MX4™ 4-Cutter SDS Plus Drill Bit (1) 3/8" x 6" MX4™ 4-Cutter SDS Plus Drill Bit (1) 1/2" x 6" MX4™ 4-Cutter SDS Plus Drill Bit	48-20-7498
 <b>6 PC</b> SDS Plus MX4™ Kit	(1) 3/16" x 6" MX4™ 4-Cutter SDS Plus Drill Bit (1) 1/4" x 6" MX4™ 4-Cutter SDS Plus Drill Bit (1) 5/16" x 6" MX4™ 4-Cutter SDS Plus Drill Bit (1) 3/8" x 6" MX4™ 4-Cutter SDS Plus Drill Bit (1) 1/2" x 6" MX4™ 4-Cutter SDS Plus Drill Bit (1) 5/8" x 8" MX4™ 4-Cutter SDS Plus Drill Bit	48-20-7499
 <b>5 PC</b> SDS Plus M/2™ Kit	(1) 3/16" x 4" M/2™ 2-Cutter SDS Plus Drill Bit (1) 1/4" x 6" M/2™ 2-Cutter SDS Plus Drill Bit (1) 5/16" x 6" M/2™ 2-Cutter SDS Plus Drill Bit (1) 3/8" x 6" M/2™ 2-Cutter SDS Plus Drill Bit (1) 1/2" x 6" M/2™ 2-Cutter SDS Plus Drill Bit	48-20-7490

 This product complies with ANSI B212.15 standard

**SDS PLUS CONCRETE SCREW INSTALLATION DRILL BITS**

**OVERVIEW**

The MILWAUKEE® SDS Plus Bits with 1/4" Hex are designed specifically for concrete screw applications. Built to take on brick, block and concrete, MILWAUKEE® SDS Bits feature 2-Cutter geometry for fast drilling and debris removal. The patented, reinforced flute design increases impact resistance and transfers energy directly to the bit tip. Patented rebar chamfers withstand impact from rebar and hard aggregate and reduce carbide chipping. To be used with Drive Sleeve available in the SDS Plus Concrete Screw Installation Kit (48-20-7497).


**FEATURES**

- Designed for Concrete Screws: Drilling holes and driving concrete screws into brick, block and concrete
- Versatility: Allows rotary hammers to adapt to the concrete screw system for maximum efficiency





**SDS PLUS CONCRETE SCREW INSTALLATION DRILL BITS**

Diameter	Usable Length	Length	Concrete Screw Diameter Size	1 Pack	Bulk 25
5/32"	2"	5"	3/16"	48-20-7090	-
5/32"	3"	6"	3/16"	48-20-7096	48-20-7196
5/32"	4"	7"	3/16"	48-20-7091	48-20-7191
3/16"	2"	5"	1/4"	48-20-7097	-
3/16"	3"	6"	1/4"	48-20-7098	48-20-7198
3/16"	4"	7"	1/4"	48-20-7092	48-20-7192

 This product complies with ANSI B212.15 standard

**SDS PLUS CONCRETE SCREW INSTALLATION KIT**

Description	Includes	Part No.
 <b>7 PC</b> SDS Plus Installation Kit for Concrete Screws	(1) 5/32" x 7" with 1/4" Hex Rotary Hammer Drill Bit (1) 3/16" x 7" with 1/4" Hex Rotary Hammer Drill Bit (1) #2 Phillips Driver Bit (1) #3 Phillips Driver Bit (1) 1/4" Hex Drive Bit (1) 5/16" Hex Drive Bit (1) Drive Sleeve	48-20-7497

 This product complies with ANSI B212.15 standard

**SDS PLUS STOP BITS**

**OVERVIEW**

MILWAUKEE's SDS Plus Shank Stop Bits are ideal for use with drop-in anchors. The stopping collar controls the drilling depth, allowing for repeatable, fast and accurate holes. The patented flute geometries remove debris rapidly while maximizing impact energy. The centering tip reduces bit walking for exact spot drilling. A variety of bits are available for the most common drop-in anchor sizes. Please see anchor manufacturers' guides for correct stop bit to be used with anchor.




**FEATURES**

- For use with drop-in anchors
- Stopping Shoulder: Drill accurate depths repeatedly
- Patented Flute Geometry: Remove debris rapidly and maximize impact energy

**SDS PLUS STOP BITS**

Diameter	Usable Length	Length	Part No.
3/8"	1-1/16"	4-1/4"	48-20-7651
1/2"	13/16"	4-1/4"	48-20-7652
1/2"	1-11/16"	5-1/8"	48-20-7653

Diameter	Usable Length	Length	Part No.
5/8"	1-1/16"	4-3/4"	48-20-7654
5/8"	2-1/16"	5-1/2"	48-20-7655

 This product complies with ANSI B212.15 standard

CONCRETE DRILLING & CHISELING

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## SDS PLUS DUST TRAP™ DRILLING SHROUD

### OVERVIEW

The MILWAUKEE® SDS Plus DUST TRAP™ is the industry's first OSHA® compliance solution without a vacuum, ideal for overhead drilling applications. The universal fit allows the DUST TRAP™ to work with all SDS Plus rotary hammers and SDS Plus drill bits up to an 8" length, including stop bits and other anchor installations tools. The clear sleeve allows visibility while the locking mechanism enables easy storage on the jobsite. The compact, collapsible design is ideal for tough to reach places, providing superior productivity. The DUST TRAP™ is an OSHA® Objective Data compliance solution when used without a vacuum and OSHA® Table 1 compliant when used with a dust extractor, giving users the flexibility to adjust to the daily demands of the jobsite while being compliant. Replacement SDS Plus DUST TRAP™ Sleeves are available (48-03-3235).

### FEATURES

- OSHA® Objective Data compliance without a vacuum
- Universal fit on SDS Plus rotary hammers and drill bits up to 8" long
- Preferred Table 1 solution for the OSHA® Regulation on Crystalline Silica Dust (29CFR 1926.1153), when used with a dust extractor



### SDS PLUS DUST TRAP™ DRILLING SHROUD

Description	1 Pack	5 Pack	10 Pack
SDS Plus DUST TRAP™ Drilling Shroud	48-03-3035	-	48-03-3135
SDS Plus DUST TRAP™ Replacement Sleeve	-	48-03-3235	-

## SDS PLUS VACUUM BITS

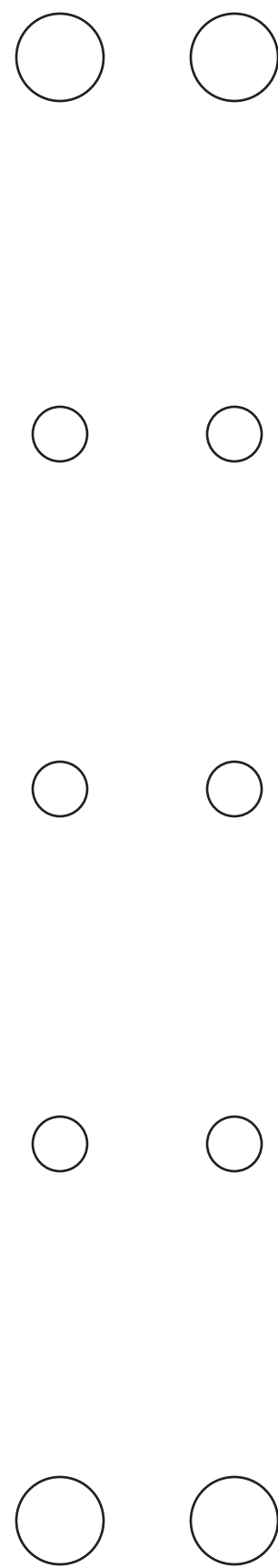
### OVERVIEW

The MILWAUKEE® SDS Plus Vacuum Drill Bits reduce airborne silica dust and provide increased productivity during the chemical anchor preparation process. The combination of dust extraction holes at the bit tip and the hollow shaft design allow dust to be removed through the bit while drilling holes, reducing airborne silica dust in the process. SDS Plus Vacuum Drill Bits are an OSHA® Table 1 compliant solution when used with dust extraction vacuums. Additionally, SDS Plus Vacuum Drill Bits leave clean holes which are ready for the chemical anchor installation, removing the need to use standard drill bits with the "blow-brush-blow" cleaning method, delivering up to 2X faster chemical anchor preparation. The 4-Cutter tip design delivers durability in concrete and concrete with rebar applications. The universal adapter fits most common dust extractor attachments.



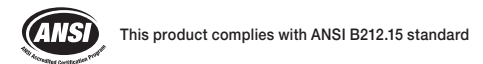
### FEATURES

- Drilling holes into brick, block, concrete and concrete with rebar
- Preferred Table 1 solution for the OSHA® Regulation on Crystalline Silica Dust (29 CFR 1926.1153), when used with a dust extractor
- Up to 2X faster chemical anchor preparation



### SDS PLUS VACUUM BITS

Diameter	Usable Length	Length	Part No.
7/16"	7-7/8"	13"	48-20-2102
1/2"	7-7/8"	13"	48-20-2106
9/16"	9-1/2"	14"	48-20-2110
5/8"	9-1/2"	14"	48-20-2114
3/4"	9-1/2"	14"	48-20-2118



### SDS PLUS VACUUM BITS ADAPTER

Description	Part No.
SDS Plus Vacuum Bits Adapter	48-20-2100

## SDS PLUS TWO-PIECE CORE BITS

### OVERVIEW

MILWAUKEE's SDS Plus Two-piece Core Bits are ideal for drilling large through holes into brick, block and concrete. Two-piece design allows for system versatility.



### FEATURES

- Thin Wall Design
- Two-Piece Design: Versatility
- Ability to use extensions

### SDS PLUS TWO-PIECE CORE BITS

Size	Depth	Core Body with Guide Plate and Centering Pin Part No.	8" SDS Plus Adapter Shank Part No.	12" SDS Plus Adapter Shank Part No.	7-1/2" Extension Part No.	Replacement Guide Plate Part No.	Replacement Centering Pin Part No.
1"	3-3/16"	48-20-5005*	48-03-3545	48-03-3551	48-95-6070	-	-
1-1/8"	3-3/16"	48-20-5010*	48-03-3545	48-03-3551	48-95-6070	-	-
1-1/4"	3-3/16"	48-20-5015	48-03-3545	48-03-3551	48-95-6070	48-20-6151	48-20-6150
1-3/8"	3-3/16"	48-20-5020	48-03-3545	48-03-3551	48-95-6070	48-20-6152	48-20-6150
1-1/2"	3-3/16"	48-20-5025	48-03-3545	48-03-3551	48-95-6070	48-20-6153	48-20-6150
1-3/4"	2-13/16"	48-20-5030	48-03-3555	48-03-3561	48-95-6075	48-20-6156	48-20-6155
2"	2-13/16"	48-20-5035	48-03-3555	48-03-3561	48-95-6075	48-20-6157	48-20-6155
2-1/2"	2-13/16"	48-20-5040	48-03-3555	48-03-3561	48-95-6075	48-20-6158	48-20-6155
3"	2-13/16"	48-20-5045	48-03-3555	48-03-3561	48-95-6075	48-20-6159	48-20-6155
3-1/2"	2-13/16"	48-20-5050	48-03-3555	48-03-3561	48-95-6075	48-20-6160	48-20-6155
4"	2-13/16"	48-20-5055	48-03-3555	48-03-3561	48-95-6075	48-20-6161	48-20-6155

\*Guide plate and centering pin not included with 1" and 1-1/8" diameter core bits

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## SDS PLUS CORE BITS

### OVERVIEW

MILWAUKEE® SDS Plus Masonry Core Bits are ideal for drilling large holes in brick, block and concrete with SDS Plus rotary hammers. Asymmetrical carbide teeth break up material more effectively, resulting in up to 20% faster drilling speeds. Centering bits allow for easy alignment of the hole and precise spot drilling. The versatile two-piece design allows users to drill with several different core bit sizes using one adapter. The spiral core body design minimizes friction in the hole and aids in dust removal during the application. Core bits cut with the outer edge only, therefore the operator must remove the inner core to continue drilling for holes deeper than 2".

### FEATURES

- Asymmetrical Carbide Teeth: Up to 20% faster drilling speeds
- Drilling large through holes in brick, block and concrete



#### SDS PLUS CORE BITS

Diameter	Depth	Part No.
1-3/16"	2"	48-20-5205
1-3/8"	2"	48-20-5210
1-9/16"	2"	48-20-5215
1-3/4"	2"	48-20-5220
2"	2"	48-20-5225

Diameter	Depth	Part No.
2-9/16"	2"	48-20-5230
3-1/8"	2"	48-20-5235
3-9/16"	2"	48-20-5240
4"	2"	48-20-5245
4-3/8"	2"	48-20-5255

#### SDS PLUS CORE BIT ACCESSORIES

Description	Part No.
13" SDS Plus Core Bit Adapter	48-20-3582*
18" SDS Plus Core Bit Adapter	48-20-3593*
SDS Plus Core Centering Bit	48-20-3580

\*Adapters include a centering bit

## SLEDGE™ SDS PLUS SELF-SHARPENING CHISELS

### OVERVIEW

Our SLEDGE™ SDS Plus Chisels stay sharper longer. Reinforced edges deliver maximum durability and reduced wear over the life of the chisel. We've engineered our chisels to maintain sharper edges for increased productivity and maximum life. No re-sharpening or re-hardening is necessary, reducing downtime. Our MILWAUKEE® SLEDGE™ SDS Plus Chisels are designed for SDS Plus rotary hammers with high-grade forged steel for maximum durability and longer life in concrete demolition over our standard chisels.

### FEATURES

- MILWAUKEE® SLEDGE™ Chisels: Stay sharper longer
- Reinforced Edges: Deliver maximum durability and reduced wear over the life of the chisel
- Engineered to Maintain Sharper Edges: Increased productivity



#### SLEDGE™ SDS PLUS SELF-SHARPENING CHISELS

Tip Type	Style	Size	1 Pack
	SLEDGE™ SDS Plus Bull Point	10"	48-62-6050
	SLEDGE™ SDS Plus Flat Chisel	3/4" x 10"	48-62-6052
	SLEDGE™ SDS Plus Bull Point & Flat Chisel	-	48-62-6080
	SLEDGE™ SDS Plus Scaling Chisel	1-1/2" x 10"	48-62-6056
	SLEDGE™ SDS Plus Tile Chisel	1-7/8" x 9-1/2"	48-62-6030
	SLEDGE™ SDS Plus Mortar Knife	1/4" x 8" 3/8" x 8"	48-62-6048 48-62-6049

## SDS PLUS CHISELS

#### SDS PLUS CHISELS

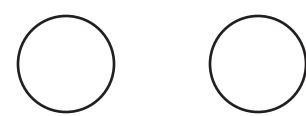
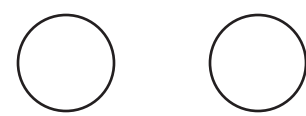
Tip Type	Style	Application	Size	1 Pack	Bulk 25
	Bull Point	Starts a hole in concrete slabs, general chipping and breaking	5-1/2"	48-62-6012	-
			10"	48-62-6010	48-62-6110
	Flat Chisel	General chipping and breaking	3/4" x 5-1/2"	48-62-6014	-
			3/4" x 10"	48-62-6015	48-62-6115
	Scaling Chisel	Cleans concrete, scale, rust, cuts troughs and some asphalt	1-3/16" x 5-1/2"	48-62-6022	-
			1-1/2" x 10"	48-62-6020	48-62-6120
	Tile Chisel	Removes tiles, laminates and other composite materials, removes concrete spillage	3" x 6"	48-62-6058	-
	Concrete Channel Chisel	Creates a channel to run conduit in concrete	7/8" x 10"	48-62-6024	-
	Winged Channel Chisel	Creates a channel to run conduit in a block wall, wings aid in depth control	1" x 10"	48-62-6026	-
	Carbide Slotting Chisel	Creates large openings in concrete in between holes	1-1/4" x 8"	48-62-6029 <b>NEW</b>	-

CONCRETE DRILLING & CHISELING

CONCRETE DRILLING & CHISELING

**SDS PLUS CHISELS**

Tip Type	Style	Application	Size	1 Pack	Bulk 25
	Mortar Scraper	Removes mortar between bricks, blocks, stones and in corners and tight edges	9/16" x 7"	48-62-6035	-
	Precision Point	Cleans out concrete spillage from sleeves and pre-cast anchors	7"	48-62-6013	-
	Floor Scraper	Removes flooring such as linoleum and laminate	4" x 10"	48-62-6046	-
	Floor Scraper Replacement Blade Kit	Removes flooring such as linoleum and laminate	-	48-62-1915 <b>NEW</b>	-


**MX4™ SDS MAX DRILL BITS**

Diameter	Usable Length	Length	Part No.
3/8"	7"	13"	48-20-3901
1/2"	7"	13"	48-20-3902
1/2"	11"	17"	48-20-3903
1/2"	15"	21"	48-20-3904
1/2"	22"	28"	48-20-3905
1/2"	30"	36"	48-20-3906
1/2"	54"	60"	48-20-3909
9/16"	7"	13"	48-20-3910
9/16"	15"	21"	48-20-3912
5/8"	7"	13"	48-20-3916
5/8"	11"	17"	48-20-3917
5/8"	15"	21"	48-20-3918
5/8"	30"	36"	48-20-3922
5/8"	54"	60"	48-20-3923
11/16"	15"	21"	48-20-3926
3/4"	7"	13"	48-20-3930
3/4"	11"	17"	48-20-3931
3/4"	15"	21"	48-20-3932
3/4"	30"	36"	48-20-3936
13/16"	16"	21"	48-20-3938
27/32"	16"	21"	48-20-3942
7/8"	8"	13"	48-20-3944
7/8"	12"	17"	48-20-3945

Diameter	Usable Length	Length	Part No.
7/8"	16"	21"	48-20-3946
7/8"	31"	36"	48-20-3949
1"	8"	13"	48-20-3952
1"	12"	17"	48-20-3953
1"	16"	21"	48-20-3954
1"	31"	36"	48-20-3956
1-1/16"	18"	23"	48-20-3958
1-1/8"	12"	17"	48-20-3964
1-1/8"	16"	21"	48-20-3966
1-1/8"	31"	36"	48-20-3967
1-1/4"	10"	15"	48-20-3970
1-1/4"	18"	23"	48-20-3972
1-1/4"	31"	36"	48-20-3974
1-3/8"	12"	17"	48-20-3975
1-3/8"	18"	23"	48-20-3980
1-3/8"	31"	36"	48-20-3983
1-7/16"	18"	23"	48-20-3984
1-1/2"	12"	17"	48-20-3986
1-1/2"	18"	23"	48-20-3988
1-9/16"	18"	23"	48-20-3990
1-5/8"	18"	23"	48-20-3991
1-3/4"	18"	23"	48-20-3992
2"	18"	23"	48-20-3993

**SDS MAX**

**MX4™ SDS MAX DRILL BITS**
**OVERVIEW**

Our MX4™ 4-Cutter SDS Max Rotary Hammer Drill Bits deliver up to 5X longer life in concrete with rebar. Engineered with rebar guards to provide maximum durability in hard aggregate and rebar. We designed our MX4™ 4-Cutter bits with sharp centering tips for exact spot drilling in concrete. The integrated 4-cutter design prevents lock-up in rebar, reducing downtime. Variable flutes remove dust faster, reducing heat and delivering up to 15% more holes per battery charge. The wear mark indicator on each drill bit shows you when they no longer meet the ANSI requirement. These MILWAUKEE® MX4™ 4-Cutter Drill Bits are ideal for concrete with rebar and masonry applications. Choose from single bits, bulk packs or drill bit kits in a variety of sizes.



**UP TO  
5x  
LIFE  
IN REBAR**

**FEATURES**

- Up to 5X longer life in concrete with rebar
- Rebar Guards: Maximum durability in hard aggregate and rebar
- Sharp Centering Tip: Exact spot drilling in concrete



This product complies with ANSI B212.15 standard

## SDS MAX VACUUM BITS

### OVERVIEW

The MILWAUKEE® SDS Max Vacuum Drill Bits reduce airborne silica dust and provide increased productivity during the chemical anchor preparation process. The combination of dust extraction holes at the bit tip and the hollow shaft design allow dust to be removed through the bit while drilling holes, reducing airborne silica dust in the process. SDS Max Vacuum Drill Bits are an OSHA® Table 1 compliant solution when used with dust extraction vacuums. Additionally, SDS Max Vacuum Drill Bits leave clean holes which are ready for the chemical anchor installation, removing the need to use standard drill bits with the “blow-brush-blow” cleaning method, delivering up to 2X faster chemical anchor preparation. The 4-Cutter tip design delivers durability in concrete and concrete with rebar applications. The universal adapter fits most common dust extractor attachments.



### FEATURES

- Drilling holes into brick, block, concrete and concrete with rebar
- Preferred Table 1 solution for the OSHA® Regulation on Crystalline Silica Dust (29 CFR 1926.1153), when used with a dust extractor
- Up to 2X faster chemical anchor preparation

#### SDS MAX VACUUM BITS

Diameter	Usable Length	Length	Part No.
5/8"	15-3/4"	23-1/2"	48-20-2152
3/4"	15-3/4"	23-1/2"	48-20-2156
7/8"	15-3/4"	23-1/2"	48-20-2160
1"	17-1/2"	25-1/4"	48-20-2164
1-1/8"	27-1/2"	35"	48-20-2168
1-3/8"	27-1/2"	35"	48-20-2172

#### SDS MAX VACUUM BITS ADAPTER

Description	Part No.
SDS Max Vacuum Bits Adapter	48-20-2150

This product complies with ANSI B212.15 standard

## SLEDGE™ SDS MAX SELF-SHARPENING CHISELS

### OVERVIEW

Our SLEDGE™ SDS Max Chisels stay sharper longer. Reinforced edges deliver maximum durability and reduced wear over the life of the chisel. We've engineered our chisels to maintain sharper edges for increased productivity and maximum life. No re-sharpening or re-hardening is necessary, reducing downtime. Our MILWAUKEE® SLEDGE™ SDS Max Chisels are designed for SDS Max rotary hammers with high-grade forged steel for maximum durability and longer life in concrete demolition over our standard chisels.



**STAYS SHARPER LONGER™**

### FEATURES

- MILWAUKEE® SLEDGE™ Chisels: Stay sharper longer
- Reinforced Edges: Deliver maximum durability and reduced wear over the life of the chisel
- Engineered to Maintain Sharper Edges: Increased productivity

#### SLEDGE™ SDS MAX SELF-SHARPENING CHISELS

Tip Type	Style	Size	1 Pack	25 Pack
	SLEDGE™ SDS Max Bull Point	16"	48-62-4250	-
	SLEDGE™ SDS Max Flat Chisel	1" x 16"	48-62-4252	-
	SLEDGE™ SDS Max Scraping Chisel	2" x 12"	48-62-4089	-
	SLEDGE™ SDS Max Scaling Chisel	2" x 15"	48-62-4084	-
		3" x 12"	48-62-4087	48-62-4187
	SLEDGE™ SDS Max Tile Chisel	2" x 15"	48-62-4258	-

CONCRETE DRILLING & CHISELING

CONCRETE DRILLING & CHISELING

FLOOR SCRAPER



FLOOR SCRAPER

Style	Size	Part No.
SLEDGE™ SDS Max Floor Scraper	6" x 6" x 25"	48-62-4096
Spline / Round Hex 2-Piece Floor Scraper	6" x 25"	48-62-2016
Floor Scraper Replacement Blade	1.5 mm	48-62-1906
Floor Scraper Replacement Fastener Kit	-	48-62-1911
Floor Scraper Replacement Hold Down Plate	-	48-62-1901
Floor Scraper Replacement Mount Head (Yoke)	-	48-62-1921
Floor Scraper Replacement Shank	15-1/2"	48-62-1916

SDS MAX CHISELS



SDS MAX CHISELS

Tip Type	Style	Application	Size	1 Pack	Bulk
	Bull Point	Starts a hole in concrete slabs, general chipping and breaking	12"	48-62-4075	48-62-4175 (25 pk)
	Bull Point		18"	48-62-4077	48-62-4177 (25 pk)
	Bull Point		24"	48-62-4062	-
	Flat Chisel	General chipping and breaking	1" x 12"	48-62-4079	48-62-4179 (25 pk)
	Flat Chisel		1" x 18"	48-62-4081	48-62-4181 (25 pk)
	Flat Chisel		1" x 24"	48-62-4064	-
	Scaling Chisel	Cleans concrete, scale, rust, cuts troughs and some asphalt	1-1/2" x 12"	48-62-4082	-
	Scaling Chisel		2" x 12"	48-62-4085	48-62-4185 (25 pk)
	Scaling Chisel		4-1/2" x 14"	48-62-4086	-
	Tile Chisel	Removes tiles, laminates and other composite materials, removes concrete spillage	3-1/4" x 12"	48-62-4088	-
	Brick Channel Chisel	Creates a channel to run conduit in block wall, wings aid in depth control	1-1/4" x 12"	48-62-4097	-
	Concrete Channel Chisel	Creates a channel to run conduit in concrete	1" x 12"	48-62-4098	-

SDS MAX CHISELS

Tip Type	Style	Application	Size	1 Pack	Bulk
	Seam Tool	Removes mortar between brick or block, cuts narrow channels	1-1/8" x 12"	48-62-4080	-
	Bushing Tool	Removes excess concrete, produces exterior finish, roughens surface before surface coating	1-3/4" x 9-1/4"	48-62-4065	-
	Carbide Tipped Bushing Tool	Carbide provides longer life, removes excess concrete, produces exterior finish, roughens surface before surface coating	1-1/2" x 10"	48-62-4063	-
	Carbide Slotting Tool	Carbide teeth provide longer life, creates large openings in concrete in between holes	1-1/2" x 11"	48-62-4074	-
	Asphalt Cutter	Cuts asphalt or hard ground (DO NOT use for concrete)	5" x 16-1/2"	48-62-4066	-
	Clay Spade	Digs up clay, hard packed gravel and dirt	4-1/2" x 16-5/8"	48-62-4094	48-62-4194 (12 pk)
	Ground Rod Driver	Drives soft ground rods	10" L - 1/2" and 5/8" Rod Dia.	48-62-4093 <b>NEW</b>	-
	Ground Rod Driver	Drives soft ground rods	10-1/2" L - 5/8" and 3/4" Rod Dia.	48-62-4091	-
	Tamper Shank	Used to mount tamper plate	12"	48-62-4092	-
	Tamper Plate	Compacts dirt, tamps asphalt	5" x 5"	48-62-3060	-

SDS MAX ONE-PIECE CORE BITS

OVERVIEW

MILWAUKEE's SDS Max One-Piece Carbide Tipped Core Bits are ideal for drilling large holes where the depth is relatively shallow. The core bit cuts a kerf only. The inside core must be removed by the operator before deeper drilling can be accomplished. Includes Centering Bit 48-20-5495. Use Drift Key 48-20-5497 (not included) to remove Centering Bit from the one-piece core bit. The one-piece core bits are available in SDS Max or Spline shanks. They come in a variety of diameters ranging from 1-1/2" to 6" with overall lengths of 11-3/8" or 22" and a drilling depth of 3". The asymmetric tooth pitch with alternating tooth geometries creates faster material pulverization. The one-piece design maximizes energy transfer and the thick wall core body is durable even in large hammers. The fluted core exterior minimizes friction loss and removes debris faster.



FEATURES

- Asymmetrical and Alternating Teeth: Faster material pulverization
- Thick Wall Core Body: Durability even in large hammers
- Includes Centering Bit: Reduce bit walking and create exact spot drilling

CONCRETE DRILLING & CHISELING

CONCRETE DRILLING & CHISELING

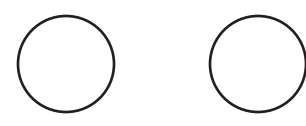
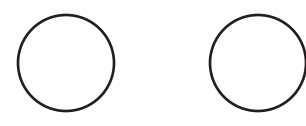

**SDS MAX ONE-PIECE CORE BITS**

Diameter	Depth	Part No.
1-1/2"	11-3/8"	48-20-5400
1-1/2"	22"	48-20-5402
1-3/4"	11-3/8"	48-20-5404
1-3/4"	22"	48-20-5406
2"	11-3/8"	48-20-5408
2"	22"	48-20-5410
2-5/8"	11-3/8"	48-20-5412
2-5/8"	22"	48-20-5414
3-1/8"	11-3/8"	48-20-5420

Diameter	Depth	Part No.
3-1/8"	22"	48-20-5422
3-9/16"	11-3/8"	48-20-5428
3-9/16"	22"	48-20-5430
4"	11-3/8"	48-20-5432
4"	22"	48-20-5434
5"	11-3/8"	48-20-5436
5"	22"	48-20-5438
6"	22"	48-20-5440

**SDS MAX ONE-PIECE CORE BIT ACCESSORIES**

Description	Part No.
Centering Bit	48-20-5495
Drift Key	48-20-5497


**SDS MAX & SPLINE**
**SDS MAX & SPLINE TWO-PIECE CORE BITS**
**OVERVIEW**

MILWAUKEE's SDS Max and Spline Thick Wall Core Bits are used for drilling large through holes into brick, block and concrete. Two-piece design allows versatility between SDS Max and Spline shanks and extensions.


**FEATURES**

- Available in Thick and Thin Wall versions
- Two-Piece Design: Versatility
- Ability to use extensions

**THICK WALL SDS MAX & SPLINE TWO-PIECE CORE BITS**

Size	Depth	Core Body with Guide Plate and Centering Pin Part No.	12" SDS Max Adapter Shank Part No.	18" SDS Max Adapter Shank Part No.	12" Spline Adapter Shank Part No.	18" Spline Adapter Shank Part No.	7-1/2" Extension Part No.	Replacement Guide Plate Part No.	Replacement Centering Pin Part No.
1-1/2"	4-1/16"	48-20-5125	48-03-3572	48-03-3573	48-03-3564	48-03-3565	48-95-6085	48-20-5168	48-20-5199
1-3/4"	4-1/16"	48-20-5130	48-03-3572	48-03-3573	48-03-3564	48-03-3565	48-95-6085	48-20-5169	48-20-5199
2"	4-1/16"	48-20-5135	48-03-3572	48-03-3573	48-03-3564	48-03-3565	48-95-6085	48-20-5170	48-20-5199
2-1/2"	4-1/16"	48-20-5140	48-03-3572	48-03-3573	48-03-3564	48-03-3565	48-95-6085	48-20-5171	48-20-5199
3"	4-1/16"	48-20-5145	48-03-3572	48-03-3573	48-03-3564	48-03-3565	48-95-6085	48-20-5172	48-20-5199
3-1/2"	4-1/16"	48-20-5150	48-03-3572	48-03-3573	48-03-3564	48-03-3565	48-95-6085	48-20-5173	48-20-5199
4"	4-1/16"	48-20-5155	48-03-3572	48-03-3573	48-03-3564	48-03-3565	48-95-6085	48-20-5174	48-20-5199
5"	4-1/16"	48-20-5160	48-03-3572	48-03-3573	48-03-3564	48-03-3565	48-95-6085	48-20-5175	48-20-5199
6"	4-1/16"	48-20-5165	48-03-3572	48-03-3573	48-03-3564	48-03-3565	48-95-6085	48-20-5176	48-20-5199

**THIN WALL SDS MAX & SPLINE TWO-PIECE CORE BITS**

Size	Depth	Core Body with Guide Plate and Centering Pin Part No.	12" SDS Max Adapter Shank Part No.	18" SDS Max Adapter Shank Part No.	12" Spline Adapter Shank Part No.	18" Spline Adapter Shank Part No.	7-1/2" Extension Part No.	Replacement Guide Plate Part No.	Replacement Centering Pin Part No.
5"	2-13/16"	48-20-5060	48-03-3574	-	48-03-3540	-	48-95-6075	48-20-6162	48-20-6155
6"	2-13/16"	48-20-5065	48-03-3574	-	48-03-3540	-	48-95-6075	48-20-6163	48-20-6155

**SDS MAX TUNNEL BITS**
**OVERVIEW**

MILWAUKEE® SDS Max Tunnel Bits are ideal for drilling deep, large holes in brick, block and concrete with SDS Max rotary hammers. The fluted head design and 22" long shaft allows for continuous deep hole drilling without the need to clear out a core. To deliver increased durability in concrete with rebar, a large 3-Cutter tip avoids lock up in rebar. Aggressive carbide cutting edges shear through the rebar inside of concrete.

**FEATURES**

- Fluted Design: Continuous deep hole drilling without the need to remove a core
- 3-Cutter Carbide Centering Tip: Avoids lock up in rebar
- Aggressive Carbide Cutting Edges: Shear through rebar in concrete


**SDS MAX TUNNEL BITS**

Diameter	Length	Part No.
1-1/2"	22"	48-20-5302
1-3/4"	22"	48-20-5306
2-1/8"	22"	48-20-5312

Diameter	Length	Part No.
2-1/2"	22"	48-20-5318
3-1/8"	22"	48-20-5324

CONCRETE DRILLING & CHISELING

CONCRETE DRILLING & CHISELING

**SPLINE**

**2-CUTTER SPLINE DRILL BITS**
**OVERVIEW**

MILWAUKEE's Spline 2-Cutter Rotary Hammer Drill Bits are used for drilling into brick, block and concrete.

**FEATURES**

- Highest Quality Carbide: Maximizes material pulverization
- 2-Cutter Head
- Spline Shank


**2-CUTTER SPLINE DRILL BITS**

Diameter	Usable Length	Length	Part No.
3/8"	5"	10"	48-20-4037
1/2"	5"	10"	48-20-4050
1/2"	11"	16"	48-20-4051
1/2"	17"	22"	48-20-4052
1/2"	22"	27"	48-20-4053
1/2"	31"	36"	48-20-4054
9/16"	5"	10"	48-20-4056
9/16"	18"	23"	48-20-4057
5/8"	5"	10"	48-20-4062
5/8"	11"	16"	48-20-4063

Diameter	Usable Length	Length	Part No.
5/8"	17"	22"	48-20-4064
11/16"	11"	16"	48-20-4068
3/4"	11"	16"	48-20-4076
3/4"	17"	22"	48-20-4078
13/16"	11"	16"	48-20-4081
7/8"	11"	16"	48-20-4087
7/8"	17"	22"	48-20-4088
1"	11"	16"	48-20-4100
1"	17"	22"	48-20-4101
1-1/8"	11"	16"	48-20-4112

Diameter	Usable Length	Length	Part No.
1-1/8"	17"	22"	48-20-4113
1-1/4"	11"	16"	48-20-4125
1-1/4"	17"	22"	48-20-4126
1-3/8"	11"	16"	48-20-4137
1-3/8"	17"	22"	48-20-4138
1-1/2"	11"	16"	48-20-4150
1-1/2"	17"	22"	48-20-4151


**4-CUTTER SPLINE DRILL BITS**
**OVERVIEW**

MILWAUKEE's Spline 4-Cutter Rotary Hammer Drill Bits features a 4-Cutter 4x90° tip geometry to avoid lock up in rebar, patented rebar chamfers for increased durability and a high-volume flute for fast debris removal. Used for drilling holes in brick, block, concrete and reinforced concrete.

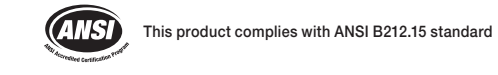
**FEATURES**

- 4-Cutter 4x90° Geometry: Avoid lock up in rebar
- Patented Rebar Chamfers: Increased durability
- High-Volume Flute: Fast debris removal


**4-CUTTER SPLINE DRILL BITS**

Diameter	Usable Length	Length	Part No.
5/8"	5"	10"	48-20-4300
5/8"	11"	16"	48-20-4305
5/8"	17"	22"	48-20-4310
5/8"	24"	29"	48-20-4315
5/8"	31"	36"	48-20-4320
11/16"	11"	16"	48-20-4325
3/4"	5"	10"	48-20-4330
3/4"	11"	16"	48-20-4335
3/4"	17"	22"	48-20-4340
3/4"	24"	29"	48-20-4345
3/4"	31"	36"	48-20-4350
7/8"	11"	16"	48-20-4360
7/8"	17"	22"	48-20-4365

Diameter	Usable Length	Length	Part No.
7/8"	31"	36"	48-20-4367
1"	11"	16"	48-20-4370
1"	17"	22"	48-20-4375
1"	31"	36"	48-20-4380
1-1/8"	11"	16"	48-20-4385
1-1/8"	17"	22"	48-20-4390
1-1/4"	11"	16"	48-20-4395
1-1/4"	17"	22"	48-20-4400
1-1/4"	31"	36"	48-20-4405
1-3/8"	17"	22"	48-20-4410
1-1/2"	17"	22"	48-20-4415
1-3/4"	18"	23"	48-20-4418
2"	18"	23"	48-20-4419


**SPLINE ONE-PIECE CORE BITS**
**OVERVIEW**

MILWAUKEE's One-Piece Carbide Tipped Core Bits are ideal for drilling large holes where the depth is relatively shallow. The core bit cuts a kerf only. The inside core must be removed by the operator before deeper drilling can be accomplished. Centering Bit 48-20-5495 is included. Use Drift Key 48-20-5497 (not included) to remove centering bit from the one-piece core bit. The one-piece core bits are available in SDS Max or Spline shanks. They come in a variety of diameters ranging from 1-1/2" to 6" with overall lengths of 11-3/8" or 22" and a drilling depth of 3". The asymmetric tooth pitch with alternating tooth geometries creates faster material pulverization. The one-piece design maximizes energy transfer and the thick wall core body is durable even in large hammers. The fluted core exterior minimizes friction loss and removes debris faster.

**FEATURES**

- Asymmetrical and Alternating Teeth: Faster material pulverization
- Thick Wall Core Body: Durability even in large hammers
- Includes Centering Bit: Reduce bit walking and create exact spot drilling



CONCRETE DRILLING &amp; CHISELING

CONCRETE DRILLING &amp; CHISELING



SPLINE ONE-PIECE CORE BITS

Diameter	Depth	Part No.
1-1/2"	11-3/8"	48-20-5450
1-1/2"	22"	48-20-5452
1-3/4"	11-3/8"	48-20-5454
1-3/4"	22"	48-20-5456
2"	11-3/8"	48-20-5458
2"	22"	48-20-5460
2-5/8"	11-3/8"	48-20-5462
2-5/8"	22"	48-20-5464
3-1/8"	11-3/8"	48-20-5470

Diameter	Depth	Part No.
3-1/8"	22"	48-20-5472
3-9/16"	11-3/8"	48-20-5478
3-9/16"	22"	48-20-5480
4"	11-3/8"	48-20-5482
4"	22"	48-20-5484
5"	11-3/8"	48-20-5486
5"	22"	48-20-5488
6"	22"	48-20-5490

SPLINE ONE-PIECE CORE BITS ACCESSORIES

Description	Part No.
One-Piece Core Bit Centering Bit	48-20-5495
Drift Key for One-Piece Core Bits	48-20-5497



SPLINE OR ROUND/HEX CHISELS

Tip Type	Style	Application	Size	1 Pack	Bulk
	Tamper Plate	Compacts dirt, tamps asphalt	5" x 5"	48-62-3060	-
	Spline / Round Hex 2 Piece Floor Scraper	Floor removal and large area tile removal	6" x 25"	48-62-2016	-
	Floor Scraper Replacement Blade		1.5 mm	48-62-1906	-
	Floor Scraper Replacement Fastener Kit		-	48-62-1911	-
	Floor Scraper Replacement Hold Down Plate		-	48-62-1901	-
	Floor Scraper Replacement Mount Head (Yoke)		-	48-62-1921	-
	Floor Scraper Replacement Shank		15-1/2"	48-62-1916	-

SPLINE OR ROUND/HEX CHISELS



SPLINE OR ROUND/HEX CHISELS

Tip Type	Style	Application	Size	1 Pack	Bulk
	Bull Point	Starts a hole in concrete slabs, general chipping and breaking	12"	48-62-2000	48-62-2100 (25 pk)
	Bull Point		18"	48-62-2010	48-62-2110 (25 pk)
	Flat Chisel	General chipping and breaking	1" x 12"	48-62-2020	48-62-2120 (25 pk)
	Flat Chisel		1" x 18"	48-62-2030	48-62-2130 (25 pk)
	Scaling Chisel	Cleans concrete, scale, rust, cuts troughs and some asphalt	1-1/2" x 12"	48-62-2040	-
	Scaling Chisel		2" x 12"	48-62-2050	48-62-2150 (25 pk)
	Scaling Chisel		3" x 12"	48-62-2055	48-62-2155 (25 pk)
	Scaling Chisel		4-1/2" x 14"	48-62-2057	-
	Scraping Chisel	Surface scraping	2" x 12"	48-62-2065	-
	Seam Tool	Removes mortar between brick or block, cuts narrow channels	1" x 12"	48-62-2080	-
	Bushing Tool	Removes excess concrete, produces exterior finish, roughens surface before surface coating	1-3/4" x 9-1/2"	48-62-2070	48-62-2170 (15 pk)
	Clay Spade	Digs up clay, hard-packed gravel and dirt	4-1/2" x 16-3/4"	48-62-2095	-
	Ground Rod Driver	Drives soft ground rods	10" L - 5/8" & 3/4" Rod Diameter	48-62-2046	-
	Tamper Shank	Used to mount tamper plate	12"	48-62-2097	-



3/4" HEX

3/4" HEX CHISELS



3/4" HEX CHISELS

Tip Type	Style	Application	Size	Part No.
	Bull Point	Starts a hole in concrete slabs, general chipping and breaking	12"	48-62-3000
	Bull Point		18"	48-62-3005
	Flat Chisel	General chipping and breaking	1" x 12"	48-62-3010
	Flat Chisel		1" x 18"	48-62-3015
	Scaling Chisel	Cleans concrete, scale, rust, cuts troughs and some asphalt	1-1/2" x 12"	48-62-3020
	Scaling Chisel		2" x 12"	48-62-3035
	Scaling Chisel		3" x 12"	48-62-3030
	Scraping Chisel	Surface scraping	2" x 12"	48-62-3025
	Bushing Tool	Removes excess concrete, produces exterior finish, roughens surface before surface coating	1-3/4" x 9-1/2"	48-62-3085
	Asphalt Cutter	Cuts asphalt or hard ground (DO NOT use for concrete)	5" x 16-1/2"	48-62-3090



CONCRETE DRILLING & CHISELING

CONCRETE DRILLING & CHISELING

3/4" HEX CHISELS

Tip Type	Style	Application	Size	Part No.
	Clay Spade	Digs up clay, hard-packed gravel and dirt	4-1/2" x 16-3/4"	48-62-3040
	Ground Rod Driver	Drives soft ground rods	9-3/4"L - 5-8" & 3/4" Rod Diameter	48-62-3070
	Tamper Shank	Used to mount tamper plate	12"	48-62-3065
	Tamper Plate	Compacts dirt, tamps asphalt	5" x 5"	48-62-3060

1-1/8" HEX DEMOLITION STEEL

Tip Type	Style	Application	Size	Part No.
	Tamper Plate	Compacts dirt, tamps asphalt (Use with 48-62-4060)	6" x 6"	48-62-4050
	Tamper Plate		8" x 8"	48-62-4055
	Tent Stake Driver - Head Only	Drives in large tent stakes (Use with 48-62-4060)	5-1/2" L / 3-1/2" OD / 2-3/4" ID	48-62-4061

CARBIDE HAMMER DRILL BITS

OVERVIEW

MILWAUKEE® Carbide Hammer Drill Bits use sharpened carbide, delivering up to 5X life in concrete and up to 2X faster drilling. Engineered with a precision ground tip, these bits will deliver faster starts and less walking in concrete, brick, block and masonry. Wide flute design removes dust faster, reducing heat and delivering more holes per charge. The extended life of the MILWAUKEE® Carbide Hammer Drill Bits provides the ideal solution in concrete, brick and block for cordless and corded hammer drill/drivers.

FEATURES

- Up to 5X life in concrete
- Up to 2X faster versus standard masonry bits
- Durable Carbide Tip: Longer life in concrete and hard aggregate



UP TO  
**5X**  
LIFE  
IN CONCRETE

1-1/8" HEX

1-1/8" HEX DEMOLITION STEEL



1-1/8" HEX DEMOLITION STEEL

Tip Type	Style	Application	Size	Part No.
	Moil Point	Starts holes in concrete slabs, general chipping and breaking	16"	48-62-4001
	Moil Point		20"	48-62-4000
	Narrow Chisel	General chipping and breaking	16"	48-62-4006
	Narrow Chisel		20-1/2"	48-62-4005
	Scaling Chisel	Cleans concrete, scale, rust, cuts troughs and some asphalt	3" x 20-1/2"	48-62-4010
	Asphalt Cutter	Cuts asphalt or hard ground (DO NOT use for concrete)	5" x 17-1/2"	48-62-4020
	Clay Spade	Digs up clay, hard-packed gravel and dirt	5-1/2" x 20"	48-62-4030
	Ground Rod Driver	Drives soft ground rods	15-1/2"L x 3"	48-62-4045
	Spike & Pin Driver	Drives anchoring pins for concrete forms	14-1/2"	48-62-4040
	Tamper Shank	Used to mount tamper plate	6" x 6"	48-62-4060



CONCRETE DRILLING & CHISELING





CONCRETE DRILLING & CHISELING

CARBIDE HAMMER DRILL BITS

Diameter	Usable Length	Length	Shank Type	1 Pack	5 Pack	25 Pack
5/8"	4"	6"	3-Flat	48-20-9040	-	-
5/8"	10"	12"	3-Flat	48-20-9041	-	-
5/8"	16"	18"	3-Flat	48-20-9042	-	-
3/4"	4"	6"	3-Flat	48-20-9045	-	-
3/4"	10"	12"	3-Flat	48-20-9046	-	-
7/8"	4"	6"	3-Flat	48-20-9047	-	-
7/8"	10"	12"	3-Flat	48-20-9048	-	-
1"	4"	6"	3-Flat	48-20-9049	-	-
1"	10"	12"	3-Flat	48-20-9054	-	-

SHOCKWAVE IMPACT DUTY™ CARBIDE HAMMER DRILL BIT SETS

SHOCKWAVE IMPACT DUTY™ CARBIDE HAMMER DRILL BIT SETS

Description	Includes	Part No.
 <b>3 PC</b> SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit Set	(1) 5/32" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 3/16" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 1/4" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit	48-20-9050
 <b>5 PC</b> SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit Set	(1) 5/32" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 3/16" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 1/4" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 5/16" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 3/8" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit	48-20-9051
 <b>7 PC</b> SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit Set	(1) 5/32" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (2) 3/16" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bits (2) 1/4" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bits (1) 5/16" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 3/8" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit	48-20-9052
 <b>7 PC</b> Large SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit Set	(1) 1/8" x 2" x 3-1/2" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 5/32" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 3/16" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 1/4" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 5/16" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 3/8" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit (1) 1/2" x 4" x 6" SHOCKWAVE Impact Duty™ Carbide Hammer Drill Bit	48-20-9057

SHOCKWAVE IMPACT DUTY™ MULTI-MATERIAL BITS

OVERVIEW

MILWAUKEE® SHOCKWAVE Impact Duty™ Carbide Multi-Material Drill Bits are the most versatile bits, designed to tackle materials such as brick, block, concrete, tile, wood, aluminum, PVC, steel and more. The aggressive multi-grind carbide tip delivers up to 10X longer life in stacked materials and up to 85% faster drilling speeds in metal. Equipped with a 1/4" hex shank, these bits are compatible in impacts, drill/drivers and hammer drills. MILWAUKEE® SHOCKWAVE Impact Duty™ Multi-Material Drill Bits provide the ideal all-in-one solution for the widest variety of materials, tools and applications.

FEATURES

- For use with brick, block, concrete, steel, aluminum, ceramic tile, backerboard, wood, PVC and drywall
- Up to 85% faster in metal vs. standard masonry drill bits
- SHOCKWAVE Impact Duty™: Engineered for hammer drills and impacts




SHOCKWAVE IMPACT DUTY™ MULTI-MATERIAL BITS

Diameter	Usable Length	Length	Part No.
1/8"	2"	3-1/2"	48-20-8880
5/32"	4"	6"	48-20-8882
3/16"	4"	6"	48-20-8884
1/4"	4"	6"	48-20-8886

Diameter	Usable Length	Length	Part No.
5/16"	4"	6"	48-20-8888
3/8"	4"	6"	48-20-8890
1/2"	4"	6"	48-20-8892

SHOCKWAVE IMPACT DUTY™ MULTI-MATERIAL BIT SET

Description	Includes	Part No.
 <b>5 PC</b> SHOCKWAVE Impact Duty™ Multi-Material Drill Bit Set	(1) 5/32" x 6" SHOCKWAVE Impact Duty™ Multi-Material Drill Bit (1) 3/16" x 6" SHOCKWAVE Impact Duty™ Multi-Material Drill Bit (1) 1/4" x 6" SHOCKWAVE Impact Duty™ Multi-Material Drill Bit (1) 5/16" x 6" SHOCKWAVE Impact Duty™ Multi-Material Drill Bit (1) 3/8" x 6" SHOCKWAVE Impact Duty™ Multi-Material Drill Bit	48-20-8898

CONCRETE DRILLING & CHISELING

CONCRETE DRILLING & CHISELING

## GLASS AND TILE BITS

### OVERVIEW

MILWAUKEE® Glass and Tile Bits use an exact start tip for clean holes and minimal bit walking in glass and ceramic tile. Created with sharpened carbide, MILWAUKEE® Glass and Tile Bits will provide faster tile drilling than standard glass and tile bits. These bits are designed with a reinforced carbide head for increased durability when drilling in high speed. Ideal for glass and ceramic tile in drill/drivers only. Not recommended for porcelain tile.



### FEATURES


- Exact Start Tip: Minimal bit walking
- Reinforced Carbide Head: Increased durability
- For use in glass and ceramic tile

### GLASS AND TILE BITS

Description	Part No.
1/8" x 2" Glass and Tile Bit	48-20-8980
3/8" x 2" Glass and Tile Bit	48-20-8981
1/4" x 2-1/4" Glass and Tile Bit	48-20-8982

Description	Part No.
5/16" x 2-1/4" Glass and Tile Bit	48-20-8983
3/8" x 3-3/4" Glass and Tile Bit	48-20-8984
1/2" x 3-3/4" Glass and Tile Bit	48-20-8985

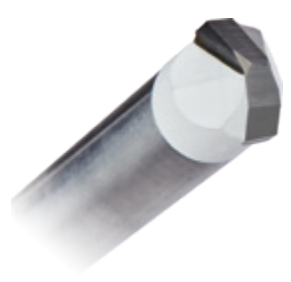
### GLASS AND TILE BIT SET

Description	Includes	Part No.
 <b>4 PC</b> Glass and Tile Bit Set	(1) 1/8" x 2" Glass and Tile Bit (1) 3/8" x 2" Glass and Tile Bit (1) 1/4" x 2-1/4" Glass and Tile Bit (1) 5/16" x 2-1/4" Glass and Tile Bit	48-20-8988

## TILE AND NATURAL STONE BITS

### OVERVIEW

MILWAUKEE® Tile and Natural Stone Bits deliver up to 2X life in granite, stone, tile and glass. Hammer mode capability provides faster drilling speeds when drilling into tile and natural stone. Equipped with an aggressive 8-grind carbide head, these bits deliver up to 20% faster drilling. Reinforced tip protects the carbide head, providing the durability need for hammer drill mode. MILWAUKEE® Tile and Natural Stone Bits can be used in drill-only mode or hammer drill-mode. Not recommended for porcelain tile.



### FEATURES


- Up to 2X longer life
- Up to 20% faster drilling in natural stone
- Hammer Mode Capability: Faster drilling in granite, marble and stone

### TILE AND NATURAL STONE BITS

Description	Part No.
1/8" x 2" Tile and Natural Stone Bit	48-20-8990
3/16" x 2" Tile and Natural Stone Bit	48-20-8991
1/4" x 2-1/4" Tile and Natural Stone Bit	48-20-8992

Description	Part No.
5/16" x 2-1/4" Tile and Natural Stone Bit	48-20-8993
3/8" x 3-3/4" Tile and Natural Stone Bit	48-20-8994
1/2" x 3-3/4" Tile and Natural Stone Bit	48-20-8995

### TILE AND NATURAL STONE BIT SET

Description	Includes	Part No.
 <b>4 PC</b> Tile and Natural Stone Bit Set	(1) 1/8" x 2" Tile and Natural Stone Bit (1) 3/16" x 2" Tile and Natural Stone Bit (1) 1/4" x 2-1/4" Tile and Natural Stone Bit (1) 5/16" x 2-1/4" Tile and Natural Stone Bit	48-20-8998

## EXTENSIONS & ADAPTERS

### MAX-LOK™ EXTENSIONS & ADAPTERS



### MAX-LOK™

Description	Part No.
MAX-LOK™ Connection, includes Grease	48-20-6950
MAX-LOK™ Replacement Grease	49-08-5385

### EXTENSIONS & ADAPTERS

Shank	Length	Part No.
SDS Plus	12-1/2"	48-20-6980
SDS Plus	29-1/2"	48-20-6982
SDS Max	12-1/2"	48-20-6960
SDS Max	29-1/2"	48-20-6962
SDS Max	43"	48-20-6964

Shank	Length	Part No.
SDS Max	63"	48-20-6966
SDS Max	82-1/2"	48-20-6968
Spline	12-1/2"	48-20-6970
Spline	29-1/2"	48-20-6972
Spline	43"	48-20-6974

CONCRETE DRILLING &amp; CHISELING

CONCRETE DRILLING &amp; CHISELING

**PLUS-LOK™ SDS PLUS EXTENSIONS**

**OVERVIEW**

MILWAUKEE® PLUS-LOK™ SDS Plus Extensions provide increased access in tough to reach areas and around obstructions. The extensions are universal, fitting all brands of SDS Plus rotary hammers and accessories including but not limited to: drill bits, chisels, core bits and anchor installation solutions. Due to their small profile design, the PLUS-LOK™ Extensions are ideal for drilling deep through holes with drill bits 7/8" and larger. Additionally, the auto-insert mechanism allows for tool-free connection and ease of use. By increasing accessibility and decreasing the number of drill bits needed to complete a job, the universal PLUS-LOK™ SDS Plus Extensions allow users to reach more and maximize productivity.

**FEATURES**

- 12" and 18" Length: Increased accessibility in tough to reach applications
- Ideal for tight access in and around obstructions
- Universal Extension: Fits all SDS Plus rotary hammers
- Compatible with all SDS Plus accessories including drill bits, chisels, core bits and anchor installation solutions



**PLUS-LOK™ SDS PLUS EXTENSIONS**

Shank	Length	Part No.
PLUS-LOK™ SDS Plus Extension	12"	48-20-6940
PLUS-LOK™ SDS Plus Extension	18"	48-20-6945

**ADAPTERS**

**ADAPTERS**

Tool Shank	Bit Shank	Part No.
SDS Max	SDS Plus	48-03-3025
SDS Max	Spline	48-03-3012
SDS Plus	1/2" Chuck	48-03-3005
Spline	A-Taper	48-66-6502

Tool Shank	Bit Shank	Part No.
Spline	B-Taper	48-66-6503
Spline	SDS Max	48-03-3010
Spline	SDS Plus	48-03-3015



**DIAMOND CUTTING & CORING**

**OVERVIEW**

MILWAUKEE® Diamond Blades are designed to the highest standards, using only quality diamonds. Available in sizes 4" – 14". MILWAUKEE's Diamond Blade line will cover a full range of materials including specialized blades for green concrete, asphalt and ductile iron. All MILWAUKEE® Blades are designed for both wet and dry cutting.

**DIAMOND CUTTING BLADES SELECTION GUIDE**

- 1 Identify the material to be cut in the columns below
- 2 Choose the appropriate product **OPTIMAL** , **GOOD** , **ACCEPTABLE** or **NOT RECOMMENDED**

		CURED CONCRETE	REINFORCED CONCRETE	BLOCK / MASONRY	BRICK	PAVER	STONE	ASPHALT	GREEN CONCRETE	DUCTILE IRON	MORTAR
GENERAL PURPOSE	<b>DIAMOND</b> AVAILABLE IN: 12", 14"	Good	Acceptable	Good	Good	Good	Acceptable	Not Recommended	Not Recommended	Not Recommended	Not Recommended
	<b>DIAMOND PREMIUM</b> AVAILABLE IN SEGMENTED: 4", 4-1/2", 7", 12", 14" ALSO AVAILABLE IN TURBO: 4", 4-1/2", 7"	Good	Good	Good	Good	Good	Good	Not Recommended	Not Recommended	Not Recommended	Not Recommended
	<b>DIAMOND ULTRA</b> AVAILABLE IN: 12", 14"	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	Not Recommended	Not Recommended	Not Recommended	Not Recommended
SPECIALTY	<b>DIAMOND UNIVERSAL</b> AVAILABLE IN: 4", 4-1/2", 7", 12", 14"	Good	Good	Good	Good	Good	Good	Good	Not Recommended	Not Recommended	Not Recommended
	<b>ASPHALT &amp; GREEN CONCRETE</b> AVAILABLE IN: 12", 14"	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Optimal	Optimal	Not Recommended	Not Recommended
	<b>DUCTILE IRON</b> AVAILABLE IN: 12", 14"	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Optimal	Not Recommended
	<b>TUCK POINT</b> AVAILABLE IN: 4-1/2"	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Not Recommended	Optimal

CONCRETE DRILLING & CHISELING

DIAMOND CUTTING & CORING

**MASONRY DIAMOND CUTTING**
**DIAMOND ULTRA SEGMENTED BLADES**
**OVERVIEW**

MILWAUKEE® Diamond Ultra Segmented Blades are engineered with notch segments which provide up to 25% faster cutting in cured concrete, reinforced concrete, stone, paver, brick and block. The laser-welded saw blades provide maximum durability when wet or dry cutting rebar and other tough materials. MILWAUKEE® designed these Diamond Ultra Segmented Blades for use with their MX FUEL™ 14" Cut-Off Saw and other hand-held cut-off saws to deliver the fastest cutting compared to other diamond blades on general purpose concrete and masonry materials.

**FEATURES**

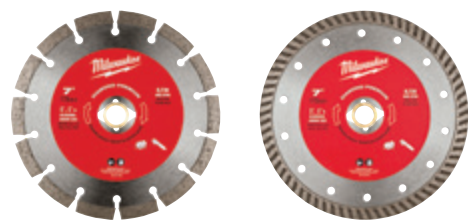
- Fastest cutting compared to other MILWAUKEE® Diamond Blades
- Maximum Run-Time
- Laser Welded: Maximum durability


**DIAMOND ULTRA SEGMENTED BLADES**

Description	Arbor	Tool Use	Part No.
12" Diamond Ultra Blade	1", 20 mm		49-93-7535
14" Diamond Ultra Blade	1", 20 mm		49-93-7540

**DIAMOND PREMIUM CUTTING BLADES**
**FEATURES**

- Extended Life
- Segmented Rim: Fast cutting
- Turbo Rim: Smooth cutting


**DIAMOND PREMIUM CUTTING BLADES**

Description	Arbor	Tool Use	Part No.
4" Diamond Premium Segmented Cutting Blade	7/8", 20 mm, 5/8"		49-93-7000
4-1/2" Diamond Premium Segmented Cutting Blade	7/8", 20 mm, 5/8"		49-93-7005
7" Diamond Premium Segmented Cutting Blade	7/8", DM, 5/8"		49-93-7020
12" Diamond Premium Segmented Cutting Blade	1", 20 mm		49-93-7935
14" Diamond Premium Segmented Cutting Blade	1", 20 mm		49-93-7940
4" Diamond Premium Turbo Cutting Blade	7/8", 20 mm, 5/8"		49-93-8006
4-1/2" Diamond Premium Turbo Cutting Blade	7/8", 20 mm, 5/8"		49-93-8008
7" Diamond Premium Turbo Cutting Blade	7/8", DM, 5/8"		49-93-8018
9" Diamond Premium Segmented Blade	7/8", DM, 5/8"		49-93-7025

**DIAMOND CUTTING BLADES**
**DIAMOND CUTTING BLADES**

Description	Arbor	Tool Use	Part No.
12" Diamond Segmented Cutting Blade	1", 20 mm		49-93-7035
14" Diamond Segmented Cutting Blade	1", 20 mm		49-93-7040

**DIAMOND UNIVERSAL CUTTING BLADES**
**FEATURES**

- Hard and soft materials
- Longest Life compared to other MILWAUKEE® Diamond Blades
- Segmented Turbo Rim: Fast and smooth cutting


**DIAMOND UNIVERSAL CUTTING BLADES**

Description	Arbor	Tool Use	Part No.
4" Diamond Universal Cutting Blade	7/8", 20 mm, 5/8"		49-93-7100
4-1/2" Diamond Universal Cutting Blade	7/8", 20 mm, 5/8"		49-93-7105
7" Diamond Universal Cutting Blade	7/8", DM, 5/8"		49-93-7120
12" Diamond Universal Cutting Blade	1", 20 mm		49-93-7135
14" Diamond Universal Cutting Blade	1", 20 mm		49-93-7140
9" Diamond Universal Segmented Blade	7/8", DM, 5/8"		49-93-7125

**SPECIALTY CUTTING BLADES**
**SPECIALTY CUTTING BLADES**

Description	Arbor	Tool Use	Part No.
4-1/2" Tuck Point Blade	7/8", 20 mm, 5/8"		49-93-7405
12" Ductile Iron Blade	1", 20 mm		49-93-7335
14" Ductile Iron Blade	1", 20 mm		49-93-7340
12" Asphalt & Green Concrete Blade	1", 20 mm		49-93-7235
14" Asphalt & Green Concrete Blade	1", 20 mm		49-93-7240

DIAMOND CUTTING &amp; CORING

DIAMOND CUTTING &amp; CORING

## DIAMOND PREMIUM CUP WHEELS

### OVERVIEW

MILWAUKEE® Diamond Cup Wheels are designed to the highest standards, using only quality diamonds. Available in sizes 4", 5" and 7", Single-Row cup wheels are designed for fast removal, shaping, and smoothing of concrete, masonry and stone. MILWAUKEE® provides cup wheels in Single-Row, Double-Row and Segmented-Turbo.

### FEATURES

- Single-Row: Fast material removal
- Double-Row: Smoother finish
- Segmented-Turbo: Fast material removal and smoother finish
- 5/8" – 11 Thread: For use with standard grinders



### DIAMOND PREMIUM CUP WHEELS

Description	Thread	Tool Use	Part No.
4" Single-Row Diamond Cup Wheel	5/8"-11		49-93-7700
5" Single-Row Diamond Cup Wheel	5/8"-11		49-93-7710
7" Single-Row Diamond Cup Wheel	5/8"-11		49-93-7720
4" Double-Row Diamond Cup Wheel	5/8"-11		49-93-7750
5" Double-Row Diamond Cup Wheel	5/8"-11		49-93-7760
7" Double-Row Diamond Cup Wheel	5/8"-11		49-93-7770
4" Segmented-Turbo Diamond Cup Wheel	5/8"-11		49-93-7780
5" Segmented-Turbo Diamond Cup Wheel	5/8"-11		49-93-7790
7" Segmented-Turbo Diamond Cup Wheel	5/8"-11		49-93-7795

## METAL DIAMOND CUTTING

### STEELHEAD™ DIAMOND METAL CUTTING BLADES

#### OVERVIEW

MILWAUKEE® STEELHEAD™ Diamond Cut-Off Blades are designed to the highest standards, using only quality diamonds. Available in sizes 4" – 14", STEELHEAD™ Diamond Cut-Off Blades are uniquely engineered to cut metal materials. All STEELHEAD™ Blades are designed to be used dry.

#### FEATURES

- Cuts More Steel: Up to 75X longer life vs. bonded abrasives
- Maintains Diameter: Steel core ensures consistent cutting depth
- Minimizes Debris: Solid steel body will not disintegrate during cutting



UP TO  
**75X**  
LONGER LIFE

### STEELHEAD™ DIAMOND METAL CUTTING BLADES

Size	Arbor	Part No.
4"	7/8" – 5/8"	49-93-7800
4-1/2"	7/8" – 5/8"	49-93-7805
5"	7/8" – 5/8"	49-93-7810
6"	7/8" – 5/8"	49-93-7815

Size	Arbor	Part No.
7"	7/8", DM, 5/8"	49-93-7820
12"	1", 20 mm	49-93-7835
14"	1", 20 mm	49-93-7840

## MASONRY DIAMOND CORING

### DIAMOND CORE BIT SELECTION GUIDE

■ Optimal    
 ■ Good    
 ■ Acceptable    
 ■ Not Recommended

	DIAMOND ULTRA		DIAMOND PREMIUM	DIAMOND
	WET: TALL, THIN, SEGMENT	DRY: TALL, THIN, SEGMENT	TURBO SEGMENT	FLAT SEGMENT
SPEED	Optimal	Optimal	Good	Acceptable
RUN-TIME	Optimal	Optimal	Good	Acceptable
EASY STARTS	Optimal	Optimal	Good	Acceptable
DIAMOND QUALITY	Optimal	Optimal	Good	Acceptable
MATERIALS				
REBAR	Optimal	Not Recommended	Good	Acceptable
CONCRETE	Optimal	Optimal	Optimal	Optimal

### DIAMOND ULTRA WET CORE BITS

#### OVERVIEW

MILWAUKEE® Diamond Ultra Wet Core Bits are engineered with thin kerf segments to provide the fastest drilling in reinforced concrete applications. These Diamond Ultra Wet Core Bits deliver up to 20% longer run-time versus other MILWAUKEE® wet core bits. Available in sizes 5/8" – 8", Diamond Ultra Wet Core Bits are specifically designed for use with the MX FUEL™ Core Drill and corded core drills.

#### FEATURES

- Fastest Drilling compared to other MILWAUKEE® wet core bits
- Maximum Run-Time
- Ideal for concrete and concrete with rebar



DIAMOND CUTTING & CORING

DIAMOND CUTTING & CORING

**DIAMOND ULTRA WET CORE BITS**

Size	Thread	Part No.	Size	Thread	Part No.	Size	Thread	Part No.	Size	Thread	Part No.
5/8"	5/8"-11	48-17-5006	1-1/2"	5/8"-11	48-17-5015	3-1/2"	1-1/4"-7	48-17-5035	6"	1-1/4"-7	48-17-5060
3/4"	5/8"-11	48-17-5007	2"	1-1/4"-7	48-17-5020	4"	1-1/4"-7	48-17-5040	8"	1-1/4"-7	48-17-5080
7/8"	5/8"-11	48-17-5009	2-1/2"	1-1/4"-7	48-17-5025	4-1/2"	1-1/4"-7	48-17-5045			
1"	5/8"-11	48-17-5010	3"	1-1/4"-7	48-17-5030	5"	1-1/4"-7	48-17-5050			

**DIAMOND WET CORE BITS**

Size	Thread	Part No.	Size	Thread	Part No.
2"	1-1/4"-7	48-17-2020	4-1/4"	1-1/4"-7	48-17-2042
2-1/2"	1-1/4"-7	48-17-2025	4-1/2"	1-1/4"-7	48-17-2045
3"	1-1/4"-7	48-17-2030	5"	1-1/4"-7	48-17-2050
3-1/2"	1-1/4"-7	48-17-2035	6"	1-1/4"-7	48-17-2060
4"	1-1/4"-7	48-17-2040			

**DIAMOND PREMIUM WET CORE BITS**

**OVERVIEW**

MILWAUKEE® Diamond Premium Wet Core Bits are designed to the highest standards, using only quality diamonds. Available in sizes 3/4" – 14", Diamond Premium Wet Core bits offer exceptional drilling life and speed in cured concrete with hard aggregate and medium steel reinforcement. Bits are 15" in length.

**FEATURES**

- Long Life in cured concrete with hard aggregate and medium steel reinforcement
- Threaded Cap: Allows for bit extension
- V-shaped Turbo Segment: Provides faster cutting action



**DIAMOND PRE-STRESSED CONCRETE WET CORE BITS**

**OVERVIEW**

MILWAUKEE® Diamond Pre-Stressed Concrete Wet Core Bits are designed to the highest standards, using only quality diamonds. Available in sizes 1" – 6", Diamond Pre-Stressed Wet Core Bits are designed specifically for the extra demands of drilling pre-stressed concrete. The cutting segments feature small gaps, preventing the bit from snagging on pre-tensioned cables or wire mesh. This bit is 15" in length and contains a 5/8"-11 thread.

**FEATURES**

- Designed specifically for demands of drilling pre-stressed concrete
- 15" Drilling Depth
- Designed to be used wet



**DIAMOND PREMIUM WET CORE BITS**

Size	Thread	Part No.	Size	Thread	Part No.	Size	Thread	Part No.
3/4"	5/8"-11	48-17-3007	3"	1-1/4"-7	48-17-3030	8"	1-1/4"-7	48-17-3080
7/8"	5/8"-11	48-17-3009	3-1/2"	1-1/4"-7	48-17-3035	10"	1-1/4"-7	48-17-3100
1"	5/8"-11	48-17-3010	4"	1-1/4"-7	48-17-3040	12"	1-1/4"-7	48-17-3120
1-1/4"	5/8"-11	48-17-3012	4-1/4"	1-1/4"-7	48-17-3042	14"	1-1/4"-7	48-17-3140
1-1/2"	5/8"-11	48-17-3015	4-1/2"	1-1/4"-7	48-17-3045			
2"	1-1/4"-7	48-17-3020	5"	1-1/4"-7	48-17-3050			
2-1/2"	1-1/4"-7	48-17-3025	6"	1-1/4"-7	48-17-3060			
2-3/4"	1-1/4"-7	48-17-3027	6-1/4"	1-1/4"-7	48-17-3062			

**DIAMOND PRE-STRESSED CONCRETE WET CORE BITS**

Size	Thread	Part No.	Size	Thread	Part No.	Size	Thread	Part No.
1"	5/8"-11	48-17-1010	3"	1-1/4"-7	48-17-1030	5"	1-1/4"-7	48-17-1050
1-1/2"	5/8"-11	48-17-1015	3-1/2"	1-1/4"-7	48-17-1035	6"	1-1/4"-7	48-17-1060
2"	1-1/4"-7	48-17-1020	4"	1-1/4"-7	48-17-1040			
2-1/2"	1-1/4"-7	48-17-1025	4-1/2"	1-1/4"-7	48-17-1045			

**DIAMOND WET CORE BITS**

**OVERVIEW**

MILWAUKEE® Diamond Wet Core Bits are designed to the highest standards, using only quality diamonds. Available in sizes 2" – 6", Diamond Wet Core Bits are ideal for drilling holes in cured concrete with no reinforcement or with small diameter steel mesh and rebar. This bit is 15" in length and contains a 1-1/4"-7 thread.

**FEATURES**

- Fast drilling in cured concrete with small diameter steel mesh and rebar
- 15" Drilling Depth
- Designed to be used wet



**DIAMOND WET CORE BIT EXTENSIONS**

**OVERVIEW**

Allows for quick and easy extended-depth drilling applications. This extension adds 12" to the drill tube length for MILWAUKEE® Diamond Premium Wet Core Bits.

**FEATURES**

- Designed to be used with MILWAUKEE® Diamond Premium Wet Core Bits
- Extends core bit drilling depth by 12"
- Apply anti-seize lubricant to threads before use



DIAMOND CUTTING & CORING

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**DIAMOND WET CORE BIT EXTENSIONS**

Size	Thread	Part No.
1"	5/8"-11	48-17-4010
1-1/4"	5/8"-11	48-17-4012
1-1/2"	5/8"-11	48-17-4015
2"	1-1/4"-7	48-17-4020
2-1/2"	1-1/4"-7	48-17-4025
3"	1-1/4"-7	48-17-4030

Size	Thread	Part No.
3-1/2"	1-1/4"-7	48-17-4035
4"	1-1/4"-7	48-17-4040
4-1/4"	1-1/4"-7	48-17-4042
4-1/2"	1-1/4"-7	48-17-4045
5"	1-1/4"-7	48-17-4050

**DIAMOND ULTRA DRY CORE BITS**

**OVERVIEW**

MILWAUKEE® Diamond Ultra Dry Core Bits are engineered with thin kerf segments to provide the fastest drilling in concrete, brick and block applications. These Diamond Ultra Dry Core Bits deliver up to 20% longer run-time versus other MILWAUKEE® dry core bits. The Diamond Ultra Dry Core Bits are specifically designed for use with the MX FUEL™ Core Drill and corded core drills. The Ultra Dry Core Bits feature a 13" drilling depth and 1-1/4"-7 thread connection for easy no-adaptor use in the MX FUEL™ Core Drill.

**FEATURES**

- Fastest drilling compared to other MILWAUKEE® dry core bits
- Maximum Run-Time
- Ideal for concrete, brick and block

**DIAMOND ULTRA DRY CORE BITS**

Size	Thread	Part No.
1-1/4"	1-1/4"-7	48-17-0112
2"	1-1/4"-7	48-17-0120
2-1/2"	1-1/4"-7	48-17-0125
3"	1-1/4"-7	48-17-0130

Size	Thread	Part No.
3-1/2"	1-1/4"-7	48-17-0135
4"	1-1/4"-7	48-17-0140
5"	1-1/4"-7	48-17-0150
6"	1-1/4"-7	48-17-0160



**DIAMOND DRY CORE BITS**

**OVERVIEW**

MILWAUKEE® Diamond Dry Core Bits are designed to the highest standards, using only quality diamonds. Available in sizes 1"–6", Diamond Dry Core Bits are ideal for drilling brick and block with no reinforcement. The large slots facilitate cooling of the bit as well as extracting the cores. The thinner wall provides increased drilling speed. This bit is 10" in length and contains a 5/8–11 thread.

**FEATURES**

- For use in masonry, brick and block with no reinforcement
- 10" Drilling Depth
- Designed to be used dry



**DIAMOND DRY CORE BITS**

Size	Thread	Part No.
1"	5/8"-11	48-17-0010
1-1/2"	5/8"-11	48-17-0015
2"	5/8"-11	48-17-0020
2-1/2"	5/8"-11	48-17-0025
3"	5/8"-11	48-17-0030

Size	Thread	Part No.
3-1/2"	5/8"-11	48-17-0035
4"	5/8"-11	48-17-0040
4-1/2"	5/8"-11	48-17-0045
5"	5/8"-11	48-17-0050
6"	5/8"-11	48-17-0060

**DIAMOND CORE BIT ACCESSORIES**

**DIAMOND CORE BIT ADAPTERS**

Description	Thread	Part No.
5/8"-11 6-Slot Core Bit Adapter	5/8"-11	48-17-6002
1-1/4"-7 6-Slot Core Bit Adapter	1-1/4"-7	48-17-6004
Copper Spindle Spacer	-	45-88-8565
1-1/4" Female – 5/8" Male Core Bit Adapter	1-1/4"-7	48-17-6006
5/8" Female – 1-1/4" Male Core Bit Adapter	5/8"-11	48-17-6008

**DIAMOND CORE BIT EXTENSIONS**

Description	Thread	Part No.
5/8"-11 x 6" Core Bit Extension	5/8"-11	48-17-6010
5/8"-11 x 12" Core Bit Extension	5/8"-11	48-17-6012
1-1/4"-7 x 6" Core Bit Extension	1-1/4"-7	48-17-6014
1-1/4"-7 x 12" Core Bit Extension	1-1/4"-7	48-17-6016



DIAMOND CUTTING & CORING

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**DRIVING & FASTENING**
**SHOCKWAVE IMPACT DUTY™ DRIVER BITS**
**OVERVIEW**

Our SHOCKWAVE Impact Duty™ Driver Bits are engineered to be the Most Durable, Best Fitting driver bits on the market. The WEAR GUARD TIP™ delivers increased wear resistance which protects your impact bit's fit over the life of the bit. The SHOCK ZONE™ is optimized for each tip type and length of driver bit in the set to absorb peak torque and prevent breaking. The driver bits have CUSTOM ALLOY76™ for a customized steel and heat treatment per tip type to extend the life of your driver bits, providing up to 50X life versus other impact driver bits on the market. Our MILWAUKEE® SHOCKWAVE Impact Duty™ driver bits are built to provide you with extreme durability for the most demanding applications.


**FEATURES**

- Optimized SHOCK ZONE™: Absorbs peak torque and prevents breaking
- WEAR GUARD TIP™: Protects the fit over the life of the driver bit
- CUSTOM ALLOY76™ Steel: Customized per tip type to extend the life of the driver bit

**SHOCKWAVE IMPACT DUTY™ PHILLIPS DRIVER BITS**

Bit	Length	1 Pack	2 Pack	5 Pack	15 Contractor Pack	25 Contractor Pack	25 Pack + Compact Magnetic Bit Holder	10 Pack	25 Pack	250 Pack	Bulk 10	Bulk 25	Bulk 250
PH1	1"	-	48-32-4411	48-32-4661	-	-	-	-	48-32-4111	48-32-4280	-	48-32-4711	48-32-4880
	2"	48-32-4461	48-32-4961	48-32-4638	-	-	-	-	48-32-4160	-	-	48-32-4760	-
	3-1/2"	48-32-4560	48-32-4660	48-32-4565	-	-	-	-	-	-	-	-	-
	6"	48-32-4800	-	-	-	-	-	48-32-4201	-	-	48-32-4801	-	-
PH2	1"	-	48-32-4412	48-32-4601	48-32-5003	48-32-4604	48-32-5009	-	48-32-4112	48-32-4281	-	48-32-4712	48-32-4881
	2"	48-32-4462	48-32-4962	48-32-4602	48-32-5004	-	-	-	48-32-4162	48-32-4262	-	48-32-4762	48-32-4882
	3-1/2"	48-32-4562	48-32-4662	48-32-4564	-	-	-	-	48-32-4191	-	-	48-32-4791	-
	6"	48-32-4802	-	-	-	-	-	48-32-4207	-	-	48-32-4807	-	-
PR2	1"	-	48-32-4444	-	-	48-32-4644	-	-	48-32-4114	-	-	48-32-4746	-
PH3	1"	-	48-32-4413	48-32-4663	-	-	-	-	48-32-4113	48-32-4282	-	48-32-4713	48-32-4882
	2"	48-32-4463	48-32-4963	48-32-4639	-	-	-	-	48-32-4163	48-32-4263	-	48-32-4763	48-32-4883
	3-1/2"	48-32-4563	48-32-4664	48-32-4566	-	-	-	-	48-32-4192	-	-	48-32-4792	-
	6"	48-32-4308	-	-	-	-	-	48-32-4208	-	-	48-32-4808	-	-

**SHOCKWAVE IMPACT DUTY™ POZIDRIV® DRIVER BITS**

Bit	Length	1 Pack	2 Pack	Bit	Length	1 Pack	2 Pack	Bit	Length	1 Pack	2 Pack
PZ1	1"	-	48-32-4431	PZ2	1"	-	48-32-4432	PZ3	1"	-	48-32-4433
	2"	48-32-4831	-		2"	48-32-4832	-		2"	48-32-4833	-

**SHOCKWAVE IMPACT DUTY™ SQUARE DRIVER BITS**

Bit	Length	1 Pack	2 Pack	5 Pack	10 Contractor Pack	15 Contractor Pack	10 Pack	25 Pack	Bulk 10	Bulk 25
SQ1	1"	-	48-32-4421	48-32-4621	-	-	-	48-32-4161	-	48-32-4761
	2"	48-32-4471	48-32-4971	48-32-4671	-	-	-	48-32-4171	-	48-32-4771
	3-1/2"	48-32-4571	48-32-4670	48-32-4575	-	-	-	48-32-4194	-	48-32-4794
	6"	48-32-4622	-	-	-	-	48-32-4214	-	48-32-4814	-
SQ2	1"	-	48-32-4422	48-32-4605	48-32-5008	-	-	48-32-4122	-	48-32-4722
	2"	48-32-4472	48-32-4972	48-32-4606	-	48-32-5010	-	48-32-4172	-	48-32-4772
	3-1/2"	48-32-4572	48-32-4672	48-32-4574	-	-	-	48-32-4195	-	48-32-4795
	6"	48-32-4805	-	48-32-4855	-	-	48-32-4215	-	48-32-4815	-
SQ3	1"	-	48-32-4423	-	-	-	-	-	-	48-32-4723
	2"	48-32-4473	48-32-4910	-	-	-	-	48-32-4173	-	48-32-4773
	3-1/2"	48-32-4573	-	-	-	-	-	48-32-4196	-	48-32-4796
	6"	48-32-4809	-	-	-	-	48-32-4216	-	48-32-4816	-

**SHOCKWAVE IMPACT DUTY™ TORX® DRIVER BITS**

Bit	Length	1 Pack	2 Pack	5 Pack	7 PC	15 Pack Contractor Pack	25 Pack + Compact Magnetic Bit Holder	10 Pack	25 Pack	Bulk 10	Bulk 25
T10	1"	-	48-32-4427	48-32-4627	-	-	-	-	-	-	-
	2"	48-32-4482	48-32-4982	48-32-4682	-	-	-	-	48-32-4182	-	48-32-4782
	3-1/2"	-	48-32-4676	48-32-4576	-	-	-	-	-	-	-
T15	1"	-	48-32-4428	48-32-4628	-	-	-	-	48-32-4134	-	48-32-4734
	2"	48-32-4483	48-32-4983	48-32-4683	-	-	-	-	-	-	48-32-4783
	3-1/2"	-	48-32-4677	48-32-4577	-	-	-	-	48-32-4394	-	48-32-4594
	6"	-	-	-	-	-	-	48-32-4244	-	48-32-4844	-
T20	1"	-	48-32-4414	48-32-4614	-	48-32-5011	48-32-5013	-	48-32-4135	-	48-32-4735
	2"	48-32-4484	48-32-4984	48-32-4684	-	48-32-5012	-	-	48-32-4184	-	48-32-4784
	3-1/2"	-	48-32-4678	48-32-4578	-	-	-	-	48-32-4395	-	48-32-4595
	6"	-	-	-	-	-	-	48-32-4245	-	48-32-4845	-

POZIDRIV® is a registered trademark of Phillips Screw Company.  
TORX® is a registered trademark of Acument™ Global Technologies.

**SHOCKWAVE IMPACT DUTY™ TORX® DRIVER BITS**

Bit	Length	1 Pack	2 Pack	5 Pack	7 PC	15 Pack Contractor Pack	25 Pack + Compact Magnetic Bit Holder	10 Pack	25 Pack	Bulk 10	Bulk 25
T25	1"	-	48-32-4436	48-32-4636	-	48-32-5014	48-32-5016	-	48-32-4136	-	48-32-4736
	2"	48-32-4485	48-32-4985	48-32-4685	-	48-32-5015	-	-	48-32-4185	-	48-32-4785
	3-1/2"	48-32-4561	48-32-4679	48-32-4579	-	-	-	-	48-32-4396	-	48-32-4596
	6"	48-32-4810	-	-	-	-	-	48-32-4246	-	48-32-4846	-
T27	2"	48-32-4486	-	-	-	-	-	-	-	-	48-32-4786
	3-1/2"	-	-	-	-	-	-	-	48-32-4397	-	48-32-4597
	6"	-	-	-	-	-	-	48-32-4247	-	48-32-4847	-
T30	1"	-	48-32-4437	48-32-4637	-	-	-	-	-	-	-
	2"	48-32-4487	48-32-4914	48-32-4687	-	-	-	-	48-32-4187	-	48-32-4787
	3-1/2"	48-32-4289	48-32-4680	48-32-4580	-	-	-	-	48-32-4398	-	48-32-4598
	6"	48-32-4290	-	-	-	-	-	48-32-4248	-	48-32-4848	-
T40	2"	48-32-4488	-	-	-	-	-	48-32-4188	-	48-32-4788	
T50	1"	-	48-32-4989	-	-	-	-	48-32-4189	-	48-32-4789	
7 PC TORX® Insert Bits (T10, T15, T20, T25, T27, T30, T40)		-	-	-	48-32-4615	-	-	-	-	-	-

**SHOCKWAVE IMPACT DUTY™ HEX DRIVER BITS**

SAE Bit	Length	Bulk 25	SAE Bit	Length	Bulk 25	SAE Bit	Length	Bulk 25	SAE Bit	Length	9 Pack
1/16"	1"	48-32-4700	7/64"	1"	48-32-4703	5/32"	1"	48-32-4706	9 PC SAE Hex Insert Bits (1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 1/4")	1"	48-32-4616
5/64"	1"	48-32-4701	1/8"	1"	48-32-4704	3/16"	1"	48-32-4707			
3/32"	1"	48-32-4702	9/64"	1"	48-32-4705	1/4"	1"	48-32-4709			

**SHOCKWAVE IMPACT DUTY™ METRIC HEX DRIVER BITS**

Metric Bit	Length	Bulk 25	Metric Bit	Length	Bulk 25	Metric Bit	Length	Bulk 25	Metric Bit	Length	8 Pack
2.5 mm	1"	48-32-4724	5 mm	1"	48-32-4727	10 mm	1"	48-32-4730	8 PC Metric Hex Insert Bits (2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 12 mm)	1"	48-32-4617
3 mm	1"	48-32-4725	6 mm	1"	48-32-4728	12 mm	1"	48-32-4731			
4 mm	1"	48-32-4726	8 mm	1"	48-32-4729						

**SHOCKWAVE IMPACT DUTY™ DOUBLE-ENDED DRIVER BITS**

Bit	Length	1 Pack	Bit	Length	1 Pack
PH2/SL#10	2-3/8"	48-32-4310	PH2/T25	2-3/8"	48-32-4312
PH2/SQ2	2-3/8"	48-32-4311	T20/T25	2-3/8"	48-32-4313

**SHOCKWAVE IMPACT DUTY™ SLOTTED DRIVER BITS**

Drive Size	Length	1 Pack	2 Pack	25 Pack	Bulk 25	Drive Size	Length	1 Pack	2 Pack	25 Pack	Bulk 25
SL7/64" / SL#4	1"	-	-	48-32-4115	48-32-4715	SL1/4" / SL#10	1"	-	48-32-4418	48-32-4118	48-32-4718
	2"	-	-	48-32-4155	48-32-4755		2"	48-32-4918	-	48-32-4158	48-32-4758
SL1/8" / SL#6	1"	-	48-32-4416	48-32-4116	48-32-4716	SL9/32" / SL#12	1"	-	-	48-32-4119	48-32-4719
	2"	48-32-4916	-	48-32-4156	48-32-4756		2"	-	-	48-32-4159	48-32-4759
SL3/16" / SL#8	1"	-	48-32-4417	48-32-4117	48-32-4717	SL3/16" / SL#8 SL1/4" / SL#10	2"	-	48-32-4920	-	-
	2"	48-32-4919	-	48-32-4157	48-32-4757						

**SHOCKWAVE IMPACT DUTY™ SPECIALTY DRIVER BITS**

**SHOCKWAVE IMPACT DUTY™ SPECIALTY DRIVER BITS**

Description	Includes	Part No.	
Specialty Wood Screws SHOCKWAVE Impact Duty™ 1" Insert Bits (2 pk)	(2) HEADLOK™ Bits 1"	48-32-4448	
Specialty Wood Screws SHOCKWAVE Impact Duty™ 2" Insert Bits (2 pk)	(2) HEADLOK™ Bits 2"	48-32-4648	
7 PC SHOCKWAVE Impact Duty™ Hex Security 1" Insert Bit Set	(1) Hex Security Bit 1" 5/64" (1) Hex Security Bit 1" 3/32" (1) Hex Security Bit 1" 7/64" (1) Hex Security Bit 1" 1/8"	(1) Hex Security Bit 1" 9/64" (1) Hex Security Bit 1" 5/32" (1) Hex Security Bit 1" 3/16"	48-32-4619
9 PC SHOCKWAVE Impact Duty™ Security 1" Insert Bit Set	(1) TORX® Security Bit 1" T20 (2) TORX® Security Bits 1" T25 (1) TORX® Security Bit 1" T30 (1) Hex Security Bit 1" 1/8"	(1) Hex Security Bit 1" 5/32" (1) Spanner Bit 1" SL#10 (1) Clutch G Bit 1" 3/16" (1) Clutch G Bit 1" 5/32"	48-32-4620


**SHOCKWAVE IMPACT DUTY™ ECX™ DRIVER BITS**

Drive Size	Length	25 Pack	Bulk 25	Drive Size	Length	2 Pack
ECX1	1"	48-32-4141	48-32-4741	ECX™ Combo #1, #2	1"	48-32-4440
	2"	48-32-4144	48-32-4744		2"	48-32-4443
ECX2	1"	48-32-4142	48-32-4742			
	2"	48-32-4145	48-32-4745			

DRIVING & FASTENING

DRIVING & FASTENING

SHOCKWAVE IMPACT DUTY™ SPECIALTY DRIVER BITS

Description	Includes	Part No.
 <p><b>10 PC</b> SHOCKWAVE Impact Duty™ TORX® Security 1" Insert Bit Set</p>	(1) TORX® Security Bit 1" T7 (1) TORX® Security Bit 1" T8 (1) TORX® Security Bit 1" T9 (1) TORX® Security Bit 1" T10 (1) TORX® Security Bit 1" T15	(1) TORX® Security Bit 1" T20 (1) TORX® Security Bit 1" T25 (1) TORX® Security Bit 1" T27 (1) TORX® Security Bit 1" T30 (1) TORX® Security Bit 1" T40
		48-32-4618

SHOCKWAVE IMPACT DUTY™ MAGNETIC BIT HOLDERS

OVERVIEW

MILWAUKEE® SHOCKWAVE Impact Duty™ Magnetic Bit Holders are engineered for extreme durability and up to 30X longer life. They are made from CUSTOM ALLOY76™ Steel that maximizes resistance to wear and shock. The bit holders feature an optimized SHOCK ZONE™ which absorbs peak torque and prevents the adapter from breaking. SHOCKWAVE Impact Duty™ Magnetic Bit Holders offer extreme durability for even the most demanding applications.



FEATURES

- CUSTOM ALLOY76™ Steel: Maximizes resistance to wear and shock
- Optimized SHOCK ZONE™: Absorbs peak torque and prevents breaking
- Internal Magnet: Holds fastener
- C-Ring: Holds insert bit in place

SHOCKWAVE IMPACT DUTY™ MAGNETIC BIT HOLDERS

Description	Size	1 Pack	10 Pack	250 Pack	Bulk 10	Bulk 250
SHOCKWAVE Impact Duty™ Magnetic Bit Holder	Compact	48-32-4502	-	48-32-4204	48-32-4504	48-32-4804
SHOCKWAVE Impact Duty™ Magnetic Bit Holder	3"	48-32-4503	48-32-4305	48-32-4203	48-32-4505	48-32-4803
SHOCKWAVE Impact Duty™ Magnetic Bit Holder	6"	48-32-4511	-	-	48-32-4521	-
SHOCKWAVE Impact Duty™ Magnetic Bit Holder	12"	48-32-4512	-	-	48-32-4522	-

SHOCKWAVE IMPACT DUTY™ LOCKING BIT HOLDERS

OVERVIEW

MILWAUKEE® SHOCKWAVE Impact Duty™ Locking Bit Holders are engineered to be the most durable, strongest locking bit holders on the market. The intuitive auto-locking design fits all inserts and 1/4" hex bits, the small-profile quick release collar allows for easy one-handed bit tip changes. The new locking bit holders feature two magnets to maximize magnetic transfer and holding power to the fastener and prevent drops. As with all SHOCKWAVE Impact Duty™ Accessories, each bit holder features an optimized SHOCK ZONE™ geometry to provide up to 30X longer life and absorb 3X more torque to prevent breakage.



FEATURES

- Auto-Locking Design: Fits all inserts and 1/4" hex bits
- Quick Release Collar: One-handed bit changes
- Dual Magnets: Maximize magnetic transfer and holding power to fastener
- Optimized SHOCK ZONE™: Absorbs peak torque and prevents breaking

SHOCKWAVE IMPACT DUTY™ LOCKING BIT HOLDERS

Description	1 Pack
2-7/8" SHOCKWAVE Impact Duty™ Locking Bit Holder	48-32-4531
6" SHOCKWAVE Impact Duty™ Locking Bit Holder	48-32-4532
12" SHOCKWAVE Impact Duty™ Locking Bit Holder	48-32-4533
18" SHOCKWAVE Impact Duty™ Locking Bit Holder	48-32-4534

## SHOCKWAVE IMPACT DUTY™ MAGNETIC DRIVE GUIDES

### OVERVIEW

SHOCKWAVE Impact Duty™ Magnetic Drive Guides are engineered to be the most durable and offer the best control on the market. The new stainless steel sleeve provides increased fastener stability and 2X the magnetism of our previous drive guide. MILWAUKEE® drive guides also feature a laser-etched depth gauge for best-in-class depth control. The new drive guides feature our optimized SHOCK ZONE™ that absorbs peak torque and provides us up to 30X longer life vs. the competition.






### FEATURES

- Optimized SHOCK ZONE™: Absorbs peak torque and prevents breaking
- Stainless Steel Sleeve: Extends for improved fastener stability
- Laser-etched Depth Gauge: Increased fastener control
- Magnet: Holds fasteners to the drive guide
- C-Ring: Retains the insert bit
- CUSTOM ALLOY76™ Steel: Maximizes resistance to wear and shock

### SHOCKWAVE IMPACT DUTY™ MAGNETIC DRIVE GUIDES

Description	1 Pack	Bulk 10
3" SHOCKWAVE Impact Duty™ Magnetic Drive Guide	48-32-4508	48-32-4509
4" SHOCKWAVE Impact Duty™ Magnetic Drive Guide	48-32-4516	48-32-4526
6" SHOCKWAVE Impact Duty™ Magnetic Drive Guide	48-32-4517	48-32-4527

### SHOCKWAVE IMPACT DUTY™ MAGNETIC DRIVE GUIDE SETS

Description	Includes	Part No.
 <b>3 PC</b> SHOCKWAVE Impact Duty™ Magnetic Drive Guide Set	(1) 3" Magnetic Drive Guide (1) 4" Magnetic Drive Guide (1) 6" Magnetic Drive Guide	48-32-4519
 <b>7 PC</b> SHOCKWAVE Impact Duty™ Magnetic Drive Guide Set	(1) 3" Magnetic Drive Guide (2) Phillips Insert Bits 1" PH2 (1) Square Recess Insert Bit 1" SQ2 (1) TORX® Insert Bit 1" T20 (2) TORX® Insert Bits 1" T25	48-32-4515
 <b>7 PC</b> SHOCKWAVE Impact Duty™ Magnetic Drive Guide Set	(1) 6" Magnetic Drive Guide (2) Phillips Insert Bits 1" PH2 (1) Square Recess Insert Bit 1" SQ2 (1) TORX® Insert Bit 1" T20 (2) TORX® Insert Bits 1" T25	48-32-4518

## SHOCKWAVE IMPACT DUTY™ SPECIALTY BIT HOLDERS

### OVERVIEW





The MILWAUKEE® SHOCKWAVE Impact Duty™ Right Angle Adapter features an internal optimized SHOCK ZONE™ which absorbs peak torque and prevents breaking. The shank is made from CUSTOM ALLOY76™ Steel which is engineered for extended life. The hardened gears provide increased torque transfer for added durability. With only a 1/4" Slim Profile, the adapter allows access into the tightest of spaces. The SHOCKWAVE Impact Duty™ Right Angle Adapter is designed for use in both Impact Drivers and Drill Drivers and works with all 1/4" Hex Shank accessories.



### FEATURES

- Optimized Internal SHOCK ZONE™: Absorbs peak torque and prevents breaking
- CUSTOM ALLOY76™ Steel: Engineered for extended life
- 1/4" Slim Profile: For tight access

### SHOCKWAVE IMPACT DUTY™ SPECIALTY BIT HOLDERS

Description	Includes	Part No.
 SHOCKWAVE Impact Duty™ Right Angle Adapter	(1) Impact Right Angle Adapter	48-32-2390
 <b>5 PC</b> SHOCKWAVE Impact Duty™ Conduit Reaming Bit Holder	(1) Conduit Reaming Bit Holder (1) ECX™ Insert Bit 1" ECX2 (1) Phillips Insert Bit 1" PH2 (1) Square Recess Insert Bit 1" SQ2 (1) Slotted Insert Bit 1" SL#10	48-32-2350
 <b>5 PC</b> SHOCKWAVE Impact Duty™ Conduit Reamer Replacement Blades	(2) Cap Screws (1) Hex Key (2) Replacement Blades	48-32-2351
 <b>11 PC</b> SHOCKWAVE Impact Duty™ 30° KNUCKLE™ Pivoting Bit Holder	(1) 30° KNUCKLE™ Pivoting Bit Holder (1) Phillips Insert Bit 1" PH1 (1) Phillips Insert Bit 1" PH2 (1) Phillips Insert Bit 1" PH3 (1) Square Recess Insert Bit 1" SQ1 (1) Square Recess Insert Bit 1" SQ2 (1) Slotted Insert Bit 1" SL#6 (1) Slotted Insert Bit 1" SL#8 (1) Slotted Insert Bit 1" SL#10 (1) Slotted Insert Bit 1" SL#12 (1) TORX® Insert Bit 1" T25	48-32-2301

DRIVING & FASTENING

DRIVING & FASTENING

## SHOCKWAVE IMPACT DUTY™ MAGNETIC NUT DRIVERS

### OVERVIEW

MILWAUKEE® SHOCKWAVE Impact Duty™ Magnetic Nut Drivers are engineered for extreme durability and up to 30X life. They are made from CUSTOM ALLOY76™ Steel that maximizes resistance to wear and shock. The nut drivers feature a powerful magnet allowing for SECURE GRIP™ and unyielding bit engagement. The bits feature color-coded rings for quick and easy size identification and chamfered edges to allow for fastening in tight spaces. SHOCKWAVE Impact Duty™ Nut Drivers offer extreme durability for even the most demanding applications.






### FEATURES

- CUSTOM ALLOY76™ Steel: Maximizes resistance to wear and shock
- Strong Magnetic Tip: Secure grip
- Color-coded Band: Easy size identification

### SHOCKWAVE IMPACT DUTY™ MAGNETIC NUT DRIVERS







Length	Size	1 Pack	3 Pack	10 Pack	250 Pack	Bulk 10	Bulk 250
Insert	1/4"	-	49-66-4512	-	-	49-66-4712	-
	5/16"	-	49-66-4513	-	-	49-66-4713	-
	3/8"	-	49-66-4515	-	-	49-66-4715	-
	7/16"	-	49-66-4516	-	-	49-66-4716	-
	1/2"	-	49-66-4517	-	-	49-66-4717	-
1-7/8"	1/4"	49-66-4502	49-66-4522	49-66-0502	-	49-66-4702	-
	5/16"	49-66-4503	49-66-4523	49-66-0503	-	49-66-4703	-
	3/8"	49-66-4505	49-66-4525	49-66-0505	-	49-66-4705	-
	7/16"	49-66-4506	49-66-4526	49-66-0506	-	49-66-4706	-
2-9/16"	1/4"	49-66-4532	-	49-66-0532	49-66-0932	49-66-4732	49-66-4832
	5/16"	49-66-4533	-	49-66-0533	49-66-0933	49-66-4733	49-66-4833
	3/8"	49-66-4535	-	49-66-0535	49-66-0935	49-66-4735	49-66-4835
	7/16"	49-66-4536	-	49-66-0536	-	49-66-4736	-
	1/2"	49-66-4537	-	49-66-0537	-	49-66-4737	-
	7 mm	-	-	49-66-0707	-	49-66-4607	-
	8 mm	-	-	49-66-0708	-	49-66-4608	-
	10 mm	-	-	49-66-0710	-	49-66-4610	-
	12 mm	-	-	49-66-0712	-	49-66-4612	-
	13 mm	-	-	49-66-0713	-	49-66-4613	-

### SHOCKWAVE IMPACT DUTY™ MAGNETIC NUT DRIVER SETS

Description	Length	Includes	Part No.
 <b>3 PC</b> SHOCKWAVE Impact Duty™ Magnetic Nut Driver Set	1-7/8"	(1) 1/4" Nut Driver (1) 5/16" Nut Driver (1) 3/8" Nut Driver	49-66-4561
 <b>4 PC</b> SHOCKWAVE Impact Duty™ Magnetic Nut Driver Set	1-7/8"	(1) 1/4" Nut Driver (1) 5/16" Nut Driver (1) 3/8" Nut Driver (1) 7/16" Nut Driver	49-66-4562
 <b>5 PC</b> SHOCKWAVE Impact Duty™ 1" Insert Nut Driver Set	Insert	(1) Insert 1/4" Nut Driver (1) Insert 5/16" Nut Driver (1) Insert 3/8" Nut Driver (1) Insert 7/16" Nut Driver (1) Insert 1/2" Nut Driver	49-66-4563

## SHOCKWAVE IMPACT DUTY™ BIT SETS

### SHOCKWAVE IMPACT DUTY™ BIT SETS




Description	Includes	Part No.	
 <b>10 PC</b> SHOCKWAVE Impact Duty™ Square Recess 2" Power Bit Set w/ Carabiner	(2) Square Bits 2" SQ1 (6) Square Bits 2" SQ2 (2) Square Bits 2" SQ3 (1) Carabiner	48-32-4090	
 <b>10 PC</b> SHOCKWAVE Impact Duty™ Square Recess 2" Power Bit Set w/ Carabiner	(10) Square Bits 2" SQ2 (1) Carabiner	48-32-4091	
 <b>10 PC</b> SHOCKWAVE Impact Duty™ Phillips and Square Recess 2" Power Bit Set w/ Carabiner	(3) Phillips Bits 2" PH2 (1) Phillips Bit 2" PH3 (1) Square Bit 2" SQ1	(4) Square Bits 2" SQ2 (1) Square Bit 2" SQ3 (1) Carabiner	48-32-4092
 <b>10 PC</b> SHOCKWAVE Impact Duty™ TORX® 2" Power Bit Set w/ Carabiner	(1) Phillips Bit 2" PH2 (1) Square Bit 2" SQ2 (1) TORX® Bit 2" T10 (1) TORX® Bit 2" T15	(1) TORX® Bit 2" T20 (2) TORX® Bits 2" T25 (3) TORX® Bits 2" T30 (1) Carabiner	48-32-4093
 <b>10 PC</b> SHOCKWAVE Impact Duty™ Expand Set	(1) 6" Magnetic Bit Holder (1) Compact Magnetic Bit Holder (2) Phillips Bits 1" PH2 (2) Square Bits 1" SQ2	(2) TORX® Bits 1" T25 (1) 1/4" Insert Magnetic Nut Driver (1) 5/16" Insert Magnetic Nut Driver	48-32-4513
 <b>18 PC</b> SHOCKWAVE Impact Duty™ Driver Bit Set	(1) Compact Magnetic Bit Holder (1) Phillips Bit 1" PH1 (1) Phillips Bit 1" PH2 (1) Phillips Bit 1" PH3 (1) Square Bit 1" SQ1 (1) Square Bit 1" SQ2 (1) Slotted Bit 1" SL#8 (1) Slotted Bit 1" SL#10	(2) Phillips Bits 2" PH2 (1) Phillips Bit 2" PH3 (2) Square Bits 2" SQ2 (1) Square Bit 2" SQ3 (1) TORX® Bit 2" T20 (1) TORX® Bit 2" T25 (1) Phillips Bit 3-1/2" PH2 (1) Square Bit 3-1/2" SQ2	48-32-4403

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**SHOCKWAVE IMPACT DUTY™ BIT SETS**




Description	Includes	Part No.	
 <b>22 PC</b> SHOCKWAVE Impact Duty™ Driver Bit Set Tube	(1) Compact Magnetic Bit Holder (1) Phillips Bit 1" PH1 (3) Phillips Bits 1" PH2 (2) Phillips Bits 1" PH3 (1) Square Bit 1" SQ1 (3) Square Bits 1" SQ2 (1) Square Bit 1" SQ3 (1) TORX® Bit 1" T10 (1) TORX® Bit 1" T15	(1) TORX® Bit 1" T20 (1) TORX® Bit 1" T25 (1) TORX® Bit 1" T27 (1) TORX® Bit 1" T30 (1) Slotted Bit 1" SL#6 (1) Slotted Bit 1" SL#8 (1) Slotted Bit 1" SL#10 (1) Slotted Bit 1" SL#12	48-32-4011
 <b>22 PC</b> SHOCKWAVE Impact Duty™ Driver Bit Set PDQ	(1) Compact Magnetic Bit Holder (1) Phillips Bit 1" PH1 (3) Phillips Bits 1" PH2 (2) Phillips Bits 1" PH3 (1) Square Bit 1" SQ1 (3) Square Bits 1" SQ2 (1) Square Bit 1" SQ3 (1) TORX® Bit 1" T10 (1) TORX® Bit 1" T15	(1) TORX® Bit 1" T20 (1) TORX® Bit 1" T25 (1) TORX® Bit 1" T27 (1) TORX® Bit 1" T30 (1) Slotted Bit 1" SL#6 (1) Slotted Bit 1" SL#8 (1) Slotted Bit 1" SL#10 (1) Slotted Bit 1" SL#12	48-32-4012
 <b>26 PC</b> SHOCKWAVE Impact Duty™ Drive and Fasten Set	(1) Compact Magnetic Bit Holder (1) Phillips Bit 1" PH1 (3) Phillips Bits 1" PH2 (1) Phillips Bit 1" PH3 (1) Square Bit 1" SQ1 (2) Square Bits 1" SQ2 (1) Square Bit 1" SQ3 (2) TORX® Bits 1" T20 (2) TORX® Bits 1" T25 (1) TORX® Bit 1" T30 (1) Slotted Bit 1" SL#8	(1) Phillips Bit 2" PH2 (1) Square Bit 2" SQ2 (1) TORX® Bit 2" T20 (1) TORX® Bit 2" T25 (1) 1/4" Magnetic Nut Driver (1) 5/16" Magnetic Nut Driver (1) 3/8" Magnetic Nut Driver (1) 1/4" Hex to 3/8" Square Socket Adapter (1) 3/8" Drive Deep Socket, 1/2" (1) 3/8" Drive Deep Socket, 9/16"	48-32-4408
 <b>32 PC</b> SHOCKWAVE Impact Duty™ Driver Bit Set	(1) Compact Magnetic Bit Holder (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (1) Phillips Bit 1" PH1 (4) Phillips Bits 1" PH2 (1) Phillips Bit 1" PH3 (1) Phillips Reduced Bit 1" PR2 (1) Square Bit 1" SQ1 (3) Square Bits 1" SQ2 (1) Square Bit 1" SQ3 (1) TORX® Bit 1" T15 (2) TORX® Bits 1" T20	(2) TORX® Bits 1" T25 (1) TORX® Bit 1" T30 (1) Slotted Bit 1" SL#8 (1) Slotted Bit 1" SL#10 (2) Phillips Bits 2" PH2 (1) Phillips Bit 2" PH3 (1) Square Bit 2" SQ2 (1) TORX® Bit 2" T20 (1) TORX® Bit 2" T25 (1) Slotted Bit 2" SL#10 (1) 1/4" Magnetic Nut Driver (1) 5/16" Magnetic Nut Driver	48-32-4004
 <b>36 PC</b> SHOCKWAVE Impact Duty™ Driver Bit Set	(1) Compact Magnetic Bit Holder (1) 6" Magnetic Bit Tip Holder (1) Hex Bit 1" 5/64" (1) Hex Bit 1" 3/32" (1) Hex Bit 1" 7/64" (1) Hex Bit 1" 1/8" (1) Hex Bit 1" 9/64" (1) Hex Bit 1" 5/32" (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (1) Phillips Bit 1" PH1 (3) Phillips Bits 1" PH2 (1) Phillips Bit 1" PH3 (1) Phillips Reduced Bit 1" PR2 (1) Slotted Bit 1" SL#8	(2) Slotted Bits 1" SL#10 (1) Slotted Bit 1" SL#12 (1) Square Bit 1" SQ1 (2) Square Bits 1" SQ2 (1) Square Bit 1" SQ3 (1) TORX® Bit 1" T10 (1) TORX® Bit 1" T15 (2) TORX® Bits 1" T20 (2) TORX® Bits 1" T25 (1) TORX® Bit 1" T27 (1) TORX® Bit 1" T30 (1) TORX® Bit 1" T40 (1) 1/4" Insert Magnetic Nut Driver (1) 5/16" Insert Magnetic Nut Driver (1) Insert 3/8" Socket Adapter	48-32-4005
 <b>40 PC</b> SHOCKWAVE Impact Duty™ Drill and Drive Set	(1) Compact Magnetic Bit Holder (1) 1/8" Titanium RED HELIX™ Drill Bit (1) 3/16" Titanium RED HELIX™ Drill Bit (1) 1/4" Titanium RED HELIX™ Drill Bit (1) Hex Bit 1" 1/8" (1) Hex Bit 1" 5/32" (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (1) Phillips Bit 1" PH1 (3) Phillips Bits 1" PH2 (1) Phillips Bit 1" PH3 (1) Phillips Reduced Bit 1" PR2 (1) Square Bit 1" SQ1 (2) Square Bits 1" SQ2 (1) Square Bit 1" SQ3 (1) TORX® Bit 1" T15	(1) TORX® Bit 1" T20 (2) TORX® Bits 1" T25 (1) Slotted Bit 1" SL#8 (1) Slotted Bit 1" SL#10 (4) Phillips Bits 2" PH2 (1) Phillips Bit 2" PH3 (1) Square Bit 2" SQ2 (1) Square Bit 2" SQ3 (1) TORX® Bit 2" T20 (2) TORX® Bits 2" T25 (1) Slotted Bit 2" SL#10 (1) 1/4" Magnetic Nut Driver (1) 5/16" Magnetic Nut Driver (1) 3/8" Magnetic Nut Driver (1) 3/8" Socket Adapter (1) 1/2" Socket Adapter	48-32-4006

**SHOCKWAVE IMPACT DUTY™ BIT SETS**



Description	Includes	Part No.	
 <b>50 PC</b> SHOCKWAVE Impact Duty™ Drill and Drive Set	(1) Compact Magnetic Bit Holder (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (1) Phillips Bit 1" PH1 (4) Phillips Bits 1" PH2 (2) Phillips Bits 1" PH3 (2) Phillips Reduced Bits 1" PR2 (1) Square Bit 1" SQ1 (4) Square Bits 1" SQ2 (3) Square Bits 1" SQ3 (1) TORX® Bit 1" T15 (2) TORX® Bits 1" T20 (5) TORX® Bits 1" T25 (1) TORX® Bit 1" T30 (1) Slotted Bit 1" SL#6 (1) Slotted Bit 1" SL#10	(2) Phillips Bits 2" PH2 (2) Phillips Bits 2" PH3 (2) Square Bits 2" SQ2 (1) Square Bit 2" SQ3 (1) TORX® Bit 2" T20 (1) TORX® Bit 2" T25 (1) 1/16" Titanium RED HELIX™ Drill Bit (1) 3/32" Titanium RED HELIX™ Drill Bit (2) 1/8" Titanium RED HELIX™ Drill Bits (1) 3/16" Titanium RED HELIX™ Drill Bit (1) 7/32" Titanium RED HELIX™ Drill Bit (1) 1/4" Titanium RED HELIX™ Drill Bit (1) 1/4" Magnetic Nut Driver (1) 5/16" Magnetic Nut Driver (1) 3/8" Socket Adapter (1) 1/2" Socket Adapter	48-32-4013
 <b>52 PC</b> SHOCKWAVE Impact Duty™ Electrician's Drill and Drive Set	(1) 3" Magnetic Bit Holder (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (1) Phillips Bit 1" PH1 (5) Phillips Bits 1" PH2 (1) Phillips Bit 1" PH3 (2) Phillips Bits 2" PH2 (1) Square Bit 1" SQ1 (4) Square Bits 1" SQ2 (1) Square Bit 1" SQ3 (1) Square Bit 2" SQ2 (1) TORX® Bit 1" T20 (2) TORX® Bits 1" T25 (1) TORX® Bit 1" T27 (1) TORX® Bit 1" T30 (1) TORX® Bit 1" T40 (1) Slotted Bit 1" SLSL#8 (1) Slotted Bit 1" SL#10 (1) TORX® Security Bit 1" T10 (1) TORX® Security Bit 1" T15 (1) TORX® Security Bit 1" T20	(1) TORX® Security Bit 1" T25 (1) TORX® Security Bit 1" T27 (1) TORX® Security Bit 1" T30 (1) Hex Security Bit 1" 1/8" (1) Hex Security Bit 1" 9/64" (1) Hex Security Bit 1" 5/32" (1) Hex Security Bit 1" 3/16" (1) Spanner Bit 1" #6 (1) Spanner Bit 1" #8 (1) Spanner Bit 1" #10 (1) Spanner Bit 1" #12 (1) Clutch G Bit 1" 1/8" (1) Clutch G Bit 1" 5/32" (1) Clutch G Bit 1" 3/16" (2) 1/8" Titanium RED HELIX™ Drill Bits (1) 3/16" Titanium RED HELIX™ Drill Bit (1) 1/4" Titanium RED HELIX™ Drill Bit (1) 1/4" Insert Magnetic Nut Driver (1) 5/16" Insert Magnetic Nut Driver (1) 3/8" Insert Magnetic Nut Driver (1) 3/8" Insert Socket Adapter	48-32-4025
 <b>55 PC</b> SHOCKWAVE Impact Duty™ Driver Bit Set	(1) Compact Magnetic Bit Holder (1) 3" Magnetic Bit Holder (1) 6" Magnetic Bit Holder (1) Hex Bit 1" 3/32" (1) Hex Bit 1" 7/64" (1) Hex Bit 1" 1/8" (1) Hex Bit 1" 9/64" (1) Hex Bit 1" 5/32" (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (1) Hex Bit 1" 1/4" (1) Hex Bit 1" 3 mm (1) Hex Bit 1" 4 mm (1) Hex Bit 1" 5 mm (1) Hex Bit 1" 6 mm (2) Phillips Bits 1" PH1 (8) Phillips Bits 1" PH2 (2) Phillips Bits 1" PH3 (1) Phillips Reduced Bit 1" PR2	(1) Square Bit 1" SQ1 (3) Square Bits 1" SQ2 (2) Square Bits 1" SQ3 (1) TORX® Bit 1" T10 (1) TORX® Bit 1" T15 (3) TORX® Bits 1" T20 (5) TORX® Bits 1" T25 (1) TORX® Bit 1" T27 (1) TORX® Bit 1" T30 (1) TORX® Bit 1" T40 (1) Slotted Bit 1" SL#8 (2) Slotted Bits 1" SL#10 (1) 1/4" Insert Magnetic Nut Driver (1) 5/16" Insert Magnetic Nut Driver (1) 3/8" Insert Magnetic Nut Driver (1) 1/4" Insert Socket Adapter (1) 3/8" Insert Socket Adapter (1) 1/2" Insert Socket Adapter	48-32-4028

**DRIVING & FASTENING**
**DRIVING & FASTENING**

SHOCKWAVE IMPACT DUTY™ BIT SETS

Description	Includes	Part No.	
 <p><b>60 PC</b> SHOCKWAVE Impact Duty™ Drill and Drive Set</p>	<p>(1) Compact Magnetic Bit Holder (1) 6" Magnetic Bit Holder (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (1) Phillips Bit 1" PH1 (6) Phillips Bits 1" PH2 (2) Phillips Bits 1" PH3 (1) Phillips Reduced Bit 1" PR2 (1) Square Bit 1" SQ1 (3) Square Bits 1" SQ2 (1) Square Bit 1" SQ3 (1) TORX® Bit 1" T10 (1) TORX® Bit 1" T15 (2) TORX® Bits 1" T20 (3) TORX® Bits 1" T25 (1) TORX® Bit 1" T30 (1) Slotted Bit 1" SL#6 (1) Slotted Bit 1" SL#10 (1) Phillips Bit 2" PH1 (4) Phillips Bits 2" PH2 (2) Phillips Bits 2" PH3</p>	<p>(1) Square Bit 2" SQ1 (3) Square Bits 2" SQ2 (1) Square Bit 2" SQ3 (2) TORX® Bits 2" T20 (2) TORX® Bits 2" T25 (1) TORX® Bit 2" T30 (1) Slotted Bit 2" SL#10 (1) PH2/SQ2 2" Double-Ended Bit (1) PH2/T25 2" Double-Ended Bit (1) PH2/SL#10 2" Double-Ended Bit (1) T20/T25 2" Double-Ended Bit (1) 1/16" Titanium RED HELIX™ Drill Bit (1) 3/32" Titanium RED HELIX™ Drill Bit (1) 1/8" Titanium RED HELIX™ Drill Bit (1) 5/32" Titanium RED HELIX™ Drill Bit (1) 3/16" Titanium RED HELIX™ Drill Bit (1) 1/4" Titanium RED HELIX™ Drill Bit (1) 1/4" Magnetic Nut Driver (1) 5/16" Magnetic Nut Driver (1) 3/8" Socket Adapter</p>	48-32-4029
 <p><b>65 PC</b> SHOCKWAVE Impact Duty™ MRO Driver Bit Set</p>	<p>(1) Compact Magnetic Bit Holder (1) Phillips Bit 1" PH1 (1) Phillips Bit 1" PH2 (1) Phillips Bit 1" PH3 (1) Phillips Reduced Bit 1" PR2 (1) Square Bit 1" SQ1 (1) Square Bit 1" SQ2 (1) Square Bit 1" SQ3 (1) TORX® Bit 1" T10 (1) TORX® Bit 1" T15 (1) TORX® Bit 1" T20 (1) TORX® Bit 1" T25 (1) TORX® Bit 1" T27 (1) TORX® Bit 1" T30 (1) TORX® Bit 1" T40 (1) Slotted Bit 1" SL#8 (1) Slotted Bit 1" SL#10 (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (1) TORX® Security Bit 1" T7 (1) TORX® Security Bit 1" T8 (1) TORX® Security Bit 1" T9 (1) TORX® Security Bit 1" T10 (1) TORX® Security Bit 1" T15 (1) TORX® Security Bit 1" T20 (1) TORX® Security Bit 1" T25 (1) TORX® Security Bit 1" T27 (1) TORX® Security Bit 1" T30 (1) TORX® Security Bit 1" T40 (1) Hex Security Bit 1" 5/64" (1) Hex Security Bit 1" 3/32" (1) Hex Security Bit 1" 7/64" (1) Hex Security Bit 1" 1/8"</p>	<p>(1) Hex Security Bit 1" 9/64" (1) Hex Security Bit 1" 5/32" (1) Hex Security Bit 1" 3/16" (1) Hex Security Bit 1" 7/32" (1) Hex Security Bit 1" 1/4" (1) Spanner Bit 1" #6 (1) Spanner Bit 1" #8 (1) Spanner Bit 1" #10 (1) Spanner Bit 1" #12 (1) Clutch G Bit 1" 1/8" (1) Clutch G Bit 1" 5/32" (1) Clutch G Bit 1" 3/16" (1) POZIDRIV® Bit 1" PZ1 (1) POZIDRIV® Bit 1" PZ2 (1) POZIDRIV® Bit 1" PZ3 (1) TRI-WING® Bit 1" #1 (1) TRI-WING® Bit 1" #2 (1) TRI-WING® Bit 1" #3 (1) TRI-WING® Bit 1" #4 (1) TRI-WING® Bit 1" #5 (1) TORQ-SET® Bit 1" #4 (1) TORQ-SET® Bit 1" #6 (1) TORQ-SET® Bit 1" #8 (1) TORQ-SET® Bit 1" #10 (1) Spline Bit 1" #4 (1) Spline Bit 1" #5 (1) Spline Bit 1" #6 (1) Spline Bit 1" #8 (1) Specialty Wood Screw Bit 1" (1) 1/4" Magnetic Nut Driver (1) 5/16" Magnetic Nut Driver (1) 1/4" Socket Adapter</p>	48-32-4026
 <p><b>74 PC</b> SHOCKWAVE Impact Duty™ Driver Bit Set</p>	<p>(1) Compact Magnetic Bit Holder (1) 1/4" Magnetic Nut Driver (1) 5/16" Magnetic Nut Driver (1) PH2/SQ2 2-3/8" Double-Ended Bit (1) PH2/SL#10 2-3/8" Double-Ended Bit (1) PH2/T25 2-3/8" Double-Ended Bit (1) T20/T25 2-3/8" Double-Ended Bit (2) Phillips Bits 1" PH1 (1) Phillips Bits 1" PH2 (2) Phillips Bits 2" PH2 (1) Phillips Bit 3-1/2" PH2 (1) Phillips Bit 1" PR2 (3) Phillips Bits 1" PH3 (1) Phillips Bit 2" PH3 (2) Square Recess Bits 1" SQ1 (4) Square Recess Bits 1" SQ2 (2) Square Recess Bits 2" SQ2 (1) Square Recess Bit 3-1/2" SQ2 (2) Square Recess Bits 1" SQ3 (1) Square Recess Bit 2" SQ3</p>	<p>(1) TORX® Bit 1" T10 (2) TORX® Bits 1" T15 (4) TORX® Bits 1" T20 (1) TORX® Bit 2" T20 (7) TORX® Bits 1" T25 (1) TORX® Bit 2" T25 (1) TORX® Bit 3-1/2" T25 (2) TORX® Bits 1" T27 (2) TORX® Bits 1" T30 (1) Slotted Bit 1" SL#8 (2) Slotted Bits 1" SL#10 (1) Hex Bit 1" 1/8" (1) Hex Bit 1" 9/64" (1) Hex Bit 1" 5/32" (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (1) Hex Bit 1" 3 mm (1) Hex Bit 1" 4 mm (1) Hex Bit 1" 5 mm (1) Hex Bit 1" 6 mm (1) 3/8" Socket Adapter</p>	48-32-4062

SHOCKWAVE IMPACT DUTY™ BIT SETS

Description	Includes	Part No.	
 <p><b>75 PC</b> SHOCKWAVE Impact Duty™ Drill and Drive Set</p>	<p>(1) Compact Magnetic Bit Holder (1) 6" Magnetic Bit Holder (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (2) Phillips Bits 1" PH1 (8) Phillips Bits 1" PH2 (3) Phillips Bits 1" PH3 (2) Phillips Reduced Bits 1" PR2 (1) Square Bit 1" SQ1 (4) Square Bits 1" SQ2 (2) Square Bits 1" SQ3 (1) TORX® Bit 1" T10 (2) TORX® Bits 1" T15 (3) TORX® Bits 1" T20 (5) TORX® Bits 1" T25 (1) TORX® Bit 1" T27 (1) TORX® Bit 1" T30 (1) Slotted Bit 1" SL#8 (1) Slotted Bit 1" SL#10 (1) Phillips Bit 2" PH1 (3) Phillips Bits 2" PH2 (1) Phillips Bit 2" PH3 (1) Square Bit 2" SQ1 (2) Square Bits 2" SQ2</p>	<p>(1) Square Bit 2" SQ3 (1) TORX® Bit 2" T15 (2) TORX® Bits 2" T20 (2) TORX® Bits 2" T25 (1) TORX® Bit 2" T30 (1) Slotted Bit 2" SL#10 (1) Phillips Bit 3-1/2" PH2 (1) TORX® Bit 3-1/2" T25 (1) Phillips Bit 6" PH2 (1) Square Bit 6" SQ2 (1) PH2/SQ2 2" Double-Ended Bit (1) T20/T25 2" Double-Ended Bit (1) 1/16" Titanium RED HELIX™ Drill Bit (1) 3/32" Titanium RED HELIX™ Drill Bit (1) 1/8" Titanium RED HELIX™ Drill Bit (1) 5/32" Titanium RED HELIX™ Drill Bit (1) 3/16" Titanium RED HELIX™ Drill Bit (1) 1/4" Titanium RED HELIX™ Drill Bit (1) 3/8" Titanium RED HELIX™ Drill Bit (1) 1/4" Insert Magnetic Nut Driver (1) 5/16" Insert Magnetic Nut Driver (1) 3/8" Insert Magnetic Nut Driver (1) 3/8" Insert Socket Adapter (1) 3/8" Drive Deep Socket, 1/2" (1) 3/8" Drive Deep Socket, 9/16"</p>	48-32-4030
 <p><b>100 PC</b> SHOCKWAVE Impact Duty™ Driver Bit Set w/ PACKOUT™ Low-Profile Compact Organizer</p>	<p>(1) Compact Magnetic Bit Holder (1) Hex Bit 1" 3/32" (1) Hex Bit 1" 7/64" (1) Hex Bit 1" 1/8" (1) Hex Bit 1" 9/64" (1) Hex Bit 1" 5/32" (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4" (2) Phillips Bits 1" PH1 (6) Phillips Bits 1" PH2 (2) Phillips Bits 1" PH3 (2) Phillips Reduced Bits 1" PR2 (2) Square Bits 1" SQ1 (6) Square Bits 1" SQ2 (2) Square Bits 1" SQ3 (2) TORX® Bits 1" T10 (2) TORX® Bits 1" T15 (6) TORX® Bits 1" T25 (2) TORX® Bits 1" T27 (1) Slotted Bit 1" 7/64" (1) Slotted Bit 1" 1/8" (1) Slotted Bit 1" 3/16"</p>	<p>(1) Slotted Bit 1" 1/4" (1) Slotted Bit 1" 9/32" (2) Phillips Bits 2" PH1 (5) Phillips Bits 2" PH2 (2) Phillips Bits 2" PH3 (2) Square Bits 2" SQ1 (5) Square Bits 2" SQ2 (2) Square Bits 2" SQ3 (2) TORX® Bits 2" T10 (2) TORX® Bits 2" T15 (5) TORX® Bits 2" T20 (5) TORX® Bits 2" T25 (2) TORX® Bits 2" T27 (1) Phillips Bit 3-1/2" PH2 (1) Square Bit 3-1/2" SQ2 (1) TORX® Bit 3-1/2" T25 (1) PH2/PH2 2" Double-Ended Bit (1) PH2/SL#10 2" Double-Ended Bit (2) PH2/T25 2" Double-Ended Bits (1) PH2/SQ2 2" Double-Ended Bit (1) T20/T25 2" Double-Ended Bit (1) 1/4" Magnetic Nut Driver (1) 5/16" Magnetic Nut Driver</p>	48-32-4082

DRIVING & FASTENING

DRIVING & FASTENING



## QUICK CHANGE EXTENSIONS

### OVERVIEW

The 1/4" Universal QUIK-LOK™ Extension has an innovative design that fits all 1/4" shanks – with or without a power-groove. The unique design requires no tools to change out bits, making it fast and efficient.

### FEATURES

- Universal QUIK-LOK™: Accepts ALL 1/4" shanks
- Tool-less Quick Change: No hex key needed
- Hardened Shank: For maximum durability



### QUICK CHANGE EXTENSIONS

Bit	Length	Part No.
1/4"	3"	48-28-1000
1/4"	6"	48-28-1010
1/4"	12"	48-28-1020

Extensions are also located on page 21 of this catalog.

## DRYWALL SCREW SETTERS

### OVERVIEW


MILWAUKEE® Drywall Screw Setters provide ideal depth control when installing drywall. They feature a collar that automatically stops the tool from overdriving a screw. This allows for consistent screw depths and prevents damage to the drywall. The bits are insert style, featuring a 1/4" hex shank intended for use in Drill/Drivers.

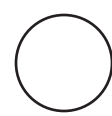
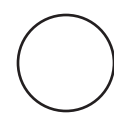


### FEATURES

- Ideal for Depth Control when installing drywall
- Designed to automatically stop from overdriving screw and damaging drywall

### DRYWALL SCREW SETTERS

Description	Part No.
 <p>#2 Phillips Drywall Screw Setters (4 pk)</p>	48-32-2101



## RIGHT ANGLE ATTACHMENT

### OVERVIEW


MILWAUKEE's Right Angle Attachment allows contractors to drive screws and drill holes in tight, difficult work areas. This attachment is ideal for cordless drills and uses standard 1/4" hex accessories. It has a durable all-metal housing and steel gears with ball bearing construction which allows this adapter to handle up to 235 in-lbs of torque. The compact design measures only 2" wide, allowing it to fit in tight spaces where work is difficult to perform. The convenient quick change chuck accepts standard 1/4" hex drive accessories.



### FEATURES

- Compact Design: Allows work in tight areas
- Durable All-metal Housing and Steel Gears
- Rated up to 235 in-lbs of torque

### RIGHT ANGLE ATTACHMENT

Description	Part No.
 <p>Right Angle Attachment</p>	49-22-8510



## STANDARD DRIVER BIT SETS


### OVERVIEW

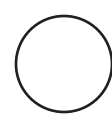
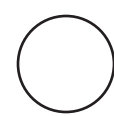
Made of premium grade S2 tool steel, these bits are heavy duty, designed for hard use.

### FEATURES




- Premium Grade S2 Tool Steel: Longer bit life
- Driving Bits: Designed for quick change applications
- Magnetic Drive Guide: Helps reduce slipping and wobble by holding long fasteners in place while the sleeve retracts as the screw is driven into the material

### STANDARD DRIVER BIT SETS

Description	Includes	Part No.	
 <p><b>20 PC</b> Screwdriving Set</p>	(1) Compact Screw Guide (1) Phillips Bit 1" PH1 (7) Phillips Bits 1" PH2 (1) Phillips Bit 1" PH3 (1) Square Bit 1" SQ1 (3) Square Bits 1" SQ2	(1) Square Bit 1" SQ3 (1) TORX® Bit 1" T15 (1) TORX® Bit 1" T20 (1) TORX® Bit 1" T25 (1) Slotted Bit 1" SL#6-8 (1) Slotted Bit 1" SL#8-10	48-32-1700



**STANDARD DRIVER BIT SETS**

Description	Includes	Part No.	
 <b>42 PC</b> Driver Bit Set	(1) Magnetic Drive Guide (1) Phillips Bit 1" PH1 (6) Phillips Bits 1" PH2 (2) Phillips Bits 1" PR2 (2) Phillips Bits 1" PH3 (1) Phillips Bit 2" PH2 (1) Phillips Bit 2" PH3 (1) Phillips Bit 3-1/2" PH2 (2) Square Bits 1" SQ1 (6) Square Bits 1" SQ2 (1) Square Bit 1" SQ3 (1) Square Bit 2" SQ2 (1) Square Bit 2" SQ3 (1) Square Bit 3-1/2" SQ2	(1) TORX® Bit 1" T10 (1) TORX® Bit 1" T15 (1) TORX® Bit 1" T20 (1) TORX® Bit 1" T25 (1) TORX® Bit 1" T30 (1) TORX® Bit 2" T15 (1) TORX® Bit 2" T20 (1) TORX® Bit 2" T25 (1) Slotted Bit 1" SL#6 (1) Slotted Bit 1" SL#8 (1) Slotted Bit 1" SL#10 (1) Slotted Bit 2" SL#8 (1) Slotted Bit 2" SL#10 (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 1/4"	48-32-1551
 <b>64 PC</b> Driver Bit Set	(1) Magnetic Drive Guide (1) 1/4" Magnetic Nut Driver (1) 5/16" Magnetic Nut Driver (1) PH2/SL#10 2" Double Ended Bit (1) PH2/PH2 2" Double Ended Bit (1) PH2/SQ2 2" Double Ended Bit (1) T25/T20 2" Double Ended Bit (1) 3/8" Socket Adapter (1) Phillips Bit 2" PH3 (4) Phillips Bits 2" PH2 (2) Phillips Bits 1" PH3 (1) Phillips Bit 1" PR2 (6) Phillips Bits 1" PH2 (1) Phillips Bit 1" PH1 (2) Square Bits 2" SQ2 (2) Square Bits 1" SQ3 (5) Square Bits 1" SQ2 (2) Square Bits 1" SQ1	(1) TORX® Bit 1" T10 (1) TORX® Bit 1" T15 (3) TORX® Bits 1" T20 (2) TORX® Bits 2" T20 (5) TORX® Bits 1" T25 (4) TORX® Bits 2" T25 (1) TORX® Bit 1" T27 (2) TORX® Bits 1" T30 (1) Slotted Bit 1" SL#6 (1) Slotted Bit 1" SL#8 (2) Slotted Bits 1" SL#10 (1) Slotted Bit 2" SL#10 (1) Hex Bit 1" 1/8" (1) Hex Bit 1" 9/64" (1) Hex Bit 1" 5/32" (1) Hex Bit 1" 3/16" (1) Hex Bit 1" 7/32" (1) Hex Bit 1" 1/4"	48-32-1552
 <b>95 PC</b> Drill and Drive Set	(1) 1/4" Magnetic Nut Driver (1) 5/16" Magnetic Nut Driver (1) TORX® Bit 2" T25 (1) TORX® Bit 2" T20 (2) TORX® Bits 1" T9 (2) TORX® Bits 1" T40 (2) TORX® Bits 1" T30 (2) TORX® Bits 1" T27 (3) TORX® Bits 1" T25 (3) TORX® Bits 1" T20 (2) TORX® Bits 1" T15 (2) TORX® Bits 1" T10 (1) Square Bit 2" SQ2 (3) Square Bits 1" SQ3 (8) Square Bits 1" SQ2 (3) Square Bits 1" SQ1 (1) Slotted Bit 2" SL#8 (1) Slotted Bit 1" SL#12 (2) Slotted Bits 1" SL#4 (2) Slotted Bits 1" SL#8 (2) Slotted Bits 1" SL#6 (2) Slotted Bits 1" SL#10 (1) POZIDRIV® Bit 1" PZ3 (1) POZIDRIV® Bit 1" PZ2	(1) Phillips Bit 2" PH2 (3) Phillips Bits 1" PR2 (4) Phillips Bits 1" PH3 (10) Phillips Bits 1" PH2 (3) Phillips Bits 1" PH1 (1) Magnetic Drive Guide (1) Hex Bit 1" 9/64" (2) Hex Bits 1" 7/64" (2) Hex Bits 1" 5/64" (1) Hex Bit 1" 5/32" (2) Hex Bits 1" 3/32" (2) Hex Bits 1" 3/16" (2) Hex Bits 1" 1/8" (2) Hex Bits 1" 1/4" (2) Hex Bits 1" 1/16" (1) 7/64" THUNDERBOLT® Black Oxide Drill Bit (1) 5/64" THUNDERBOLT® Black Oxide Drill Bit (1) 5/32" THUNDERBOLT® Black Oxide Drill Bit (1) 3/32" THUNDERBOLT® Black Oxide Drill Bit (1) 3/16" THUNDERBOLT® Black Oxide Drill Bit (1) 1/8" THUNDERBOLT® Black Oxide Drill Bit (1) 1/4" THUNDERBOLT® Black Oxide Drill Bit (1) 1/16" THUNDERBOLT® Black Oxide Drill Bit	48-89-1561

**SHOCKWAVE IMPACT DUTY™ SOCKET ADAPTERS**
**OVERVIEW**

The MILWAUKEE® SHOCKWAVE Impact Duty™ Socket Adapters are made from a proprietary steel, heat treated to control hardness and provide durability with up to 50X life. The Socket Adapter has a heavy-duty construction for fastening capabilities in all impacts and is built to withstand frequent use. MILWAUKEE® Hex to Square Socket Adapters are engineered for maximum durability and long-lasting use. This impact Socket Adapter is not for use with impact wrenches.


**FEATURES**


- Designed for use with Impact Drivers
- Optimized SHOCK ZONE™: Added durability in Impact Drivers
- Optimized with Extreme Durability: Up to 50X life

**SHOCKWAVE IMPACT DUTY™ SOCKET ADAPTERS**

Bit Length	Description	1 Pack	Bulk 10
2"	1/4" Hex to 1/4" Square Adapter	48-32-5030	48-32-5730
	1/4" Hex to 3/8" Square Adapter	48-32-5031	48-32-5731
	1/4" Hex to 1/2" Square Adapter	48-32-5034	48-32-5734

Bit Length	Description	1 Pack	Bulk 10
-	1/2" - 7/16" Quick Change Impact Adapter	48-66-0061	-
-	7/16" - 1/2" Impact Adapter	48-32-5100	48-32-5700
-	3/8" Square to 1/4" Hex Adapter	48-03-4405	-
-	1/2" Square to 1/4" Hex Adapter	48-03-4410	-

**SHOCKWAVE IMPACT DUTY™ SOCKET ADAPTER SET**

Description	Includes	Part No.
 <b>3 PC</b> SHOCKWAVE Impact Duty™ 2" Socket Adapter Set	(1) 1/4" Socket Adapter (1) 3/8" Socket Adapter (1) 1/2" Socket Adapter	48-32-5033

**NEW**  
**SHOCKWAVE IMPACT DUTY™ SOCKETS**

**OVERVIEW**

Our SHOCKWAVE Impact Duty™ Sockets feature the boldest, longest lasting markings and high-strength forged steel for extreme impact durability. The stamped and ink-filled size marking enables you to select the right socket every time throughout the life of the socket. Our SHOCKWAVE Impact Duty™ Sockets are engineered with high-strength forged steel for optimized performance in heavy duty applications. The non-slip hex geometry prevents fastener rounding and our dual hole design and ring groove allows for easy socket attachment and removal. All SHOCKWAVE Impact Duty™ Sockets are backed by our Lifetime Guarantee and meet ASME industry standards




**FEATURES**

- Stamped and Ink-Filled Markings: Wear resistance
- 6-Point Design: Made with forged impact steel for durability in high torque applications backed by our Lifetime Guarantee
- Non-slip Hex Geometry: Prevents socket and fastener rounding




**1/4" DRIVE**

**NEW**  
**SHOCKWAVE IMPACT DUTY™ 1/4" DRIVE SOCKET SETS**

SHOCKWAVE IMPACT DUTY™ 1/4" DRIVE SOCKET SETS			
Description	Includes		Part No.
 <p><b>6 PT STANDARD</b>  <b>10 PC</b>            SHOCKWAVE Impact Duty™ 1/4" Drive SAE 6 Point Standard Socket Set</p>	(1) 3/16" Standard Socket (1) 7/32" Standard Socket (1) 1/4" Standard Socket (1) 9/32" Standard Socket (1) 5/16" Standard Socket (1) 11/32" Standard Socket	(1) 3/8" Standard Socket (1) 7/16" Standard Socket (1) 1/2" Standard Socket (1) 9/16" Standard Socket (1) Socket Rail	49-66-7000
 <p><b>6 PT DEEP</b>  <b>10 PC</b>            SHOCKWAVE Impact Duty™ 1/4" Drive SAE 6 Point Deep Socket Set</p>	(1) 3/16" Deep Socket (1) 7/32" Deep Socket (1) 1/4" Deep Socket (1) 9/32" Deep Socket (1) 5/16" Deep Socket (1) 11/32" Deep Socket	(1) 3/8" Deep Socket (1) 7/16" Deep Socket (1) 1/2" Deep Socket (1) 9/16" Deep Socket (1) Socket Rail	49-66-7001
 <p><b>6 PT STANDARD</b>  <b>14 PC</b>            SHOCKWAVE Impact Duty™ 1/4" Drive Metric 6 Point Standard Socket Set</p>	(1) 4 mm Standard Socket (1) 4.5 mm Standard Socket (1) 5 mm Standard Socket (1) 5.5 mm Standard Socket (1) 6 mm Standard Socket (1) 7 mm Standard Socket (1) 8 mm Standard Socket (1) 9 mm Standard Socket	(1) 10 mm Standard Socket (1) 11 mm Standard Socket (1) 12 mm Standard Socket (1) 13 mm Standard Socket (1) 14 mm Standard Socket (1) 15 mm Standard Socket (1) Socket Rail	49-66-7002

**SHOCKWAVE IMPACT DUTY™ 1/4" DRIVE SOCKET SETS**

Description	Includes		Part No.
 <p><b>6 PT DEEP</b>  <b>14 PC</b>            SHOCKWAVE Impact Duty™ 1/4" Drive Metric 6 Point Deep Socket Set</p>	(1) 4 mm Deep Socket (1) 4.5 mm Deep Socket (1) 5 mm Deep Socket (1) 5.5 mm Deep Socket (1) 6 mm Deep Socket (1) 7 mm Deep Socket (1) 8 mm Deep Socket (1) 9 mm Deep Socket	(1) 10 mm Deep Socket (1) 11 mm Deep Socket (1) 12 mm Deep Socket (1) 13 mm Deep Socket (1) 14 mm Deep Socket (1) 15 mm Deep Socket (1) Socket Rail	49-66-7003



**NEW**  
**SHOCKWAVE IMPACT DUTY™ 1/4" DRIVE SOCKET ACCESSORIES**

SHOCKWAVE IMPACT DUTY™ 1/4" DRIVE SOCKET ACCESSORIES	
Description	Part No.
3" 1/4" Drive Extension	49-66-6700
6" 1/4" Drive Extension	49-66-6701
10" 1/4" Drive Extension	49-66-6702
1/4" to 3/8" Drive Adapter	49-66-6720
1/4" Drive Universal Joint	49-66-6721
1/4" Drive Socket Rail	49-66-6734
1/4" Drive Socket Rail Clips (10 pk)	49-66-6739
1/4" Hex to 1/4" Square Drive 2" Socket Adapter	48-32-5030
1/4" Hex to 1/4" Square Drive Socket Adapters (Bulk 10)	48-32-5730



**3/8" DRIVE**






**NEW**  
**SHOCKWAVE IMPACT DUTY™ 3/8" DRIVE SOCKET SETS**

SHOCKWAVE IMPACT DUTY™ 3/8" DRIVE SOCKET SETS			
Description	Includes		Part No.
 <p><b>6 PT DEEP</b>  <b>3 PC</b>            SHOCKWAVE Impact Duty™ 3/8" Drive SAE 6 Point Deep Socket Set</p>	(1) 1/2" Deep Socket (1) 9/16" Deep Socket (1) 1/4" Hex to 3/8" Square 2" Adapter		49-66-4417
 <p><b>6 PT DEEP</b>  <b>8 PC</b>            SHOCKWAVE Impact Duty™ 3/8" Drive SAE 6 Point Deep Socket Set</p>	(1) 5/16" Deep Socket (1) 3/8" Deep Socket (1) 7/16" Deep Socket (1) 1/2" Deep Socket (1) 9/16" Deep Socket (1) 5/8" Deep Socket (1) 3/4" Deep Socket (1) 1/4" Hex to 3/8" Square 2" Adapter (1) Socket Rail		49-66-7024


DRIVING & FASTENING

DRIVING & FASTENING

SHOCKWAVE IMPACT DUTY™ 3/8" DRIVE SOCKET SETS

Description	Includes	Part No.
 <p><b>6 PT DEEP</b></p> <p><b>8 PC</b> SHOCKWAVE Impact Duty™ 3/8" Drive Metric 6 Point Deep Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 10 mm Deep Socket</li> <li>(1) 13 mm Deep Socket</li> <li>(1) 14 mm Deep Socket</li> <li>(1) 15 mm Deep Socket</li> <li>(1) 17 mm Deep Socket</li> <li>(1) 19 mm Deep Socket</li> <li>(1) 21 mm Deep Socket</li> <li>(1) 1/4" Hex to 3/8" Square 2" Adapter</li> <li>(1) Socket Rail</li> </ul>	49-66-7021
 <p><b>6 PT STANDARD</b></p> <p><b>12 PC</b> SHOCKWAVE Impact Duty™ 3/8" Drive SAE 6 Point Standard Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 5/16" Standard Socket</li> <li>(1) 3/8" Standard Socket</li> <li>(1) 7/16" Standard Socket</li> <li>(1) 1/2" Standard Socket</li> <li>(1) 9/16" Standard Socket</li> <li>(1) 5/8" Standard Socket</li> <li>(1) 11/16" Standard Socket</li> <li>(1) 3/4" Standard Socket</li> <li>(1) 13/16" Standard Socket</li> <li>(1) 7/8" Standard Socket</li> <li>(1) 15/16" Standard Socket</li> <li>(1) 1" Standard Socket</li> <li>(1) Hard Case</li> </ul>	49-66-7005
 <p><b>6 PT DEEP</b></p> <p><b>12 PC</b> SHOCKWAVE Impact Duty™ 3/8" Drive SAE 6 Point Deep Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 5/16" Deep Socket</li> <li>(1) 3/8" Deep Socket</li> <li>(1) 7/16" Deep Socket</li> <li>(1) 1/2" Deep Socket</li> <li>(1) 9/16" Deep Socket</li> <li>(1) 5/8" Deep Socket</li> <li>(1) 11/16" Deep Socket</li> <li>(1) 3/4" Deep Socket</li> <li>(1) 13/16" Deep Socket</li> <li>(1) 7/8" Deep Socket</li> <li>(1) 15/16" Deep Socket</li> <li>(1) 1" Deep Socket</li> <li>(1) Hard Case</li> </ul>	49-66-7006
 <p><b>6 PT STANDARD</b></p> <p><b>14 PC</b> SHOCKWAVE Impact Duty™ 3/8" Drive Metric 6 Point Standard Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 7 mm Standard Socket</li> <li>(1) 8 mm Standard Socket</li> <li>(1) 9 mm Standard Socket</li> <li>(1) 10 mm Standard Socket</li> <li>(1) 11 mm Standard Socket</li> <li>(1) 12 mm Standard Socket</li> <li>(1) 13 mm Standard Socket</li> <li>(1) 14 mm Standard Socket</li> <li>(1) 15 mm Standard Socket</li> <li>(1) 16 mm Standard Socket</li> <li>(1) 17 mm Standard Socket</li> <li>(1) 18 mm Standard Socket</li> <li>(1) 19 mm Standard Socket</li> <li>(1) 21 mm Standard Socket</li> <li>(1) Socket Rail</li> </ul>	49-66-7007
 <p><b>6 PT DEEP</b></p> <p><b>14 PC</b> SHOCKWAVE Impact Duty™ 3/8" Drive Metric 6 Point Deep Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 7 mm Deep Socket</li> <li>(1) 8 mm Deep Socket</li> <li>(1) 9 mm Deep Socket</li> <li>(1) 10 mm Deep Socket</li> <li>(1) 11 mm Deep Socket</li> <li>(1) 12 mm Deep Socket</li> <li>(1) 13 mm Deep Socket</li> <li>(1) 14 mm Deep Socket</li> <li>(1) 15 mm Deep Socket</li> <li>(1) 16 mm Deep Socket</li> <li>(1) 17 mm Deep Socket</li> <li>(1) 18 mm Deep Socket</li> <li>(1) 19 mm Deep Socket</li> <li>(1) 21 mm Deep Socket</li> <li>(1) Socket Rail</li> </ul>	49-66-7008

SHOCKWAVE IMPACT DUTY™ 3/8" DRIVE SOCKET SETS

Description	Includes	Part No.
 <p><b>6 PT STANDARD &amp; DEEP</b></p> <p><b>43 PC</b> SHOCKWAVE Impact Duty™ 3/8" Drive Metric &amp; SAE 6 Point Standard &amp; Deep Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 5/16" Standard Socket</li> <li>(1) 3/8" Standard Socket</li> <li>(1) 7/16" Standard Socket</li> <li>(1) 1/2" Standard Socket</li> <li>(1) 9/16" Standard Socket</li> <li>(1) 5/8" Standard Socket</li> <li>(1) 11/16" Standard Socket</li> <li>(1) 3/4" Standard Socket</li> <li>(1) 8 mm Standard Socket</li> <li>(1) 9 mm Standard Socket</li> <li>(1) 10 mm Standard Socket</li> <li>(1) 11 mm Standard Socket</li> <li>(1) 12 mm Standard Socket</li> <li>(1) 13 mm Standard Socket</li> <li>(1) 14 mm Standard Socket</li> <li>(1) 15 mm Standard Socket</li> <li>(1) 16 mm Standard Socket</li> <li>(1) 17 mm Standard Socket</li> <li>(1) 18 mm Standard Socket</li> <li>(1) 19 mm Standard Socket</li> <li>(1) 5/16" Deep Socket</li> <li>(1) 3/8" Deep Socket</li> <li>(1) 7/16" Deep Socket</li> <li>(1) 1/2" Deep Socket</li> <li>(1) 9/16" Deep Socket</li> <li>(1) 5/8" Deep Socket</li> <li>(1) 11/16" Deep Socket</li> <li>(1) 3/4" Deep Socket</li> <li>(1) 8 mm Deep Socket</li> <li>(1) 9 mm Deep Socket</li> <li>(1) 10 mm Deep Socket</li> <li>(1) 11 mm Deep Socket</li> <li>(1) 12 mm Deep Socket</li> <li>(1) 13 mm Deep Socket</li> <li>(1) 14 mm Deep Socket</li> <li>(1) 15 mm Deep Socket</li> <li>(1) 16 mm Deep Socket</li> <li>(1) 17 mm Deep Socket</li> <li>(1) 18 mm Deep Socket</li> <li>(1) 19 mm Deep Socket</li> <li>(1) 1/4" Hex to 3/8" Square 2" Adapter</li> <li>(1) 3" Extension</li> <li>(1) Universal Joint</li> </ul>	49-66-7009

**NEW**  
SHOCKWAVE IMPACT DUTY™ 3/8" DRIVE SAE SOCKETS

**6 PT STANDARD**

Diameter	Depth	Part No.
1/4"	Standard	49-66-6100
9/32"	Standard	49-66-6101
5/16"	Standard	49-66-6102
11/32"	Standard	49-66-6103
3/8"	Standard	49-66-6104
7/16"	Standard	49-66-6105
1/2"	Standard	49-66-6106
9/16"	Standard	49-66-6107
5/8"	Standard	49-66-6108
11/16"	Standard	49-66-6109
3/4"	Standard	49-66-6110
13/16"	Standard	49-66-6111
7/8"	Standard	49-66-6112
15/16"	Standard	49-66-6113
1"	Standard	49-66-6114

**6 PT DEEP**

Diameter	Depth	Part No.
1/4"	Deep	49-66-6115
9/32"	Deep	49-66-6116
5/16"	Deep	49-66-6117
11/32"	Deep	49-66-6118
3/8"	Deep	49-66-6119
7/16"	Deep	49-66-6120
1/2"	Deep	49-66-6121
9/16"	Deep	49-66-6122
5/8"	Deep	49-66-6123
11/16"	Deep	49-66-6124
3/4"	Deep	49-66-6125
13/16"	Deep	49-66-6126
7/8"	Deep	49-66-6127
15/16"	Deep	49-66-6128
1"	Deep	49-66-6129

**SAE**

DRIVING & FASTENING

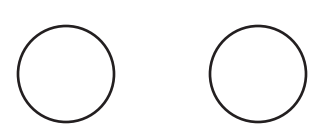
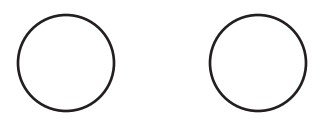
DRIVING & FASTENING


**NEW**
**SHOCKWAVE IMPACT DUTY™ 3/8" DRIVE METRIC SOCKETS**
**6 PT STANDARD**

Diameter	Depth	Part No.
6 mm	Standard	49-66-6130
7 mm	Standard	49-66-6131
8 mm	Standard	49-66-6132
9 mm	Standard	49-66-6133
10 mm	Standard	49-66-6134
11 mm	Standard	49-66-6135
12 mm	Standard	49-66-6136
13 mm	Standard	49-66-6137
14 mm	Standard	49-66-6138
15 mm	Standard	49-66-6139
16 mm	Standard	49-66-6140
17 mm	Standard	49-66-6141
18 mm	Standard	49-66-6142
19 mm	Standard	49-66-6143
20 mm	Standard	49-66-6737
21 mm	Standard	49-66-6144
22 mm	Standard	49-66-6145
23 mm	Standard	49-66-6146
24 mm	Standard	49-66-6147





**6 PT DEEP**

Diameter	Depth	Part No.
6 mm	Deep	49-66-6148
7 mm	Deep	49-66-6149
8 mm	Deep	49-66-6150
9 mm	Deep	49-66-6151
10 mm	Deep	49-66-6152
11 mm	Deep	49-66-6153
12 mm	Deep	49-66-6154
13 mm	Deep	49-66-6155
14 mm	Deep	49-66-6156
15 mm	Deep	49-66-6157
16 mm	Deep	49-66-6158
17 mm	Deep	49-66-6159
18 mm	Deep	49-66-6160
19 mm	Deep	49-66-6161
20 mm	Deep	49-66-6738
21 mm	Deep	49-66-6162
22 mm	Deep	49-66-6163
23 mm	Deep	49-66-6164
24 mm	Deep	49-66-6165

**METRIC**

**SHOCKWAVE IMPACT DUTY™ 3/8" DRIVE SOCKET ACCESSORIES**

Description	Includes	Part No.
 <b>4 PC</b> SHOCKWAVE Impact Duty™ Socket Adapter Set	(1) 3/8" to 1/4" Socket Reducer (1) 1/2" to 3/8" Socket Reducer (1) 1/4" to 3/8" Socket Adapter (1) 3/8" to 1/2" Socket Adapter	49-66-6742

**1/2" DRIVE**
**NEW**
**SHOCKWAVE IMPACT DUTY™ 1/2" DRIVE SOCKET SETS**
**SHOCKWAVE IMPACT DUTY™ 1/2" DRIVE SOCKET SETS**

Description	Includes	Part No.
 <b>6 PT DEEP</b> <b>3 PC</b> SHOCKWAVE Impact Duty™ 1/2" Drive SAE 6 Point Deep Socket Set	(1) 1/2" Deep Socket (1) 9/16" Deep Socket (1) 1/4" Hex to 1/2" Square 2" Adapter	49-66-4485
 <b>6 PT DEEP</b> <b>3 PC</b> SHOCKWAVE Impact Duty™ 1/2" Drive Metric 6 Point Deep Socket Set	(1) 17 mm Deep Socket (1) 19 mm Deep Socket (1) 21 mm Deep Socket	49-66-7025
 <b>6 PT DEEP</b> <b>9 PC</b> SHOCKWAVE Impact Duty™ 1/2" Drive SAE 6 Point Deep Socket Set	(1) 1/2" Deep Socket (1) 9/16" Deep Socket (1) 5/8" Deep Socket (1) 11/16" Deep Socket (1) 3/4" Deep Socket (1) 13/16" Deep Socket (1) 7/8" Deep Socket (1) 15/16" Deep Socket (1) 1" Deep Socket (1) Socket Rail	49-66-7022
 <b>6 PT STANDARD</b> <b>12 PC</b> SHOCKWAVE Impact Duty™ 1/2" Drive SAE 6 Point Standard Socket Set	(1) 3/8" Standard Socket (1) 7/16" Standard Socket (1) 1/2" Standard Socket (1) 9/16" Standard Socket (1) 5/8" Standard Socket (1) 11/16" Standard Socket (1) 3/4" Standard Socket (1) 13/16" Standard Socket (1) 7/8" Standard Socket (1) 15/16" Standard Socket (1) 1" Standard Socket (1) 1-1/16" Standard Socket (1) Hard Case	49-66-7010

**NEW**
**SHOCKWAVE IMPACT DUTY™ 3/8" DRIVE SOCKET ACCESSORIES**


Description	Part No.
3" 3/8" Drive Extension	49-66-6703
6" 3/8" Drive Extension	49-66-6704
10" 3/8" Drive Extension	49-66-6705
3 PC 3/8" Drive Extension Set (3", 6", 10")	49-66-6714
3/8" to 1/4" Drive Reducer	49-66-6722
3/8" to 1/2" Drive Adapter	49-66-6723
3/8" Drive Universal Joint	49-66-6724
3/8" Drive Socket Rail	49-66-6735
3/8" Drive Socket Rail Clips (10 pk)	49-66-6740
1/4" Hex to 3/8" Square Drive 2" Socket Adapter	48-32-5031
1/4" Hex to 3/8" Square Drive Socket Adapters (Bulk 10)	48-32-5731
3/8" Square to 1/4" Hex Quick Change Socket Adapter	48-03-4405


**DRIVING & FASTENING**
**DRIVING & FASTENING**

SHOCKWAVE IMPACT DUTY™ 1/2" DRIVE SOCKET SETS

Description	Includes	Part No.
 <p><b>6 PT DEEP</b> <b>12 PC</b> SHOCKWAVE Impact Duty™ 1/2" Drive SAE 6 Point Deep Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 3/8" Deep Socket</li> <li>(1) 7/16" Deep Socket</li> <li>(1) 1/2" Deep Socket</li> <li>(1) 9/16" Deep Socket</li> <li>(1) 5/8" Deep Socket</li> <li>(1) 11/16" Deep Socket</li> <li>(1) 3/4" Deep Socket</li> <li>(1) 13/16" Deep Socket</li> <li>(1) 7/8" Deep Socket</li> <li>(1) 15/16" Deep Socket</li> <li>(1) 1" Deep Socket</li> <li>(1) 1-1/16" Deep Socket</li> <li>(1) Hard Case</li> </ul>	49-66-7011
 <p><b>6 PT STANDARD</b> <b>14 PC</b> SHOCKWAVE Impact Duty™ 1/2" Drive Metric 6 Point Standard Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 10 mm Standard Socket</li> <li>(1) 11 mm Standard Socket</li> <li>(1) 12 mm Standard Socket</li> <li>(1) 13 mm Standard Socket</li> <li>(1) 14 mm Standard Socket</li> <li>(1) 15 mm Standard Socket</li> <li>(1) 16 mm Standard Socket</li> <li>(1) 17 mm Standard Socket</li> <li>(1) 18 mm Standard Socket</li> <li>(1) 19 mm Standard Socket</li> <li>(1) 21 mm Standard Socket</li> <li>(1) 22 mm Standard Socket</li> <li>(1) 26 mm Standard Socket</li> <li>(1) 27 mm Standard Socket</li> <li>(1) Hard Case</li> </ul>	49-66-7013
 <p><b>6 PT DEEP</b> <b>14 PC</b> SHOCKWAVE Impact Duty™ 1/2" Drive Metric 6 Point Deep Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 10 mm Deep Socket</li> <li>(1) 11 mm Deep Socket</li> <li>(1) 12 mm Deep Socket</li> <li>(1) 13 mm Deep Socket</li> <li>(1) 14 mm Deep Socket</li> <li>(1) 15 mm Deep Socket</li> <li>(1) 16 mm Deep Socket</li> <li>(1) 17 mm Deep Socket</li> <li>(1) 18 mm Deep Socket</li> <li>(1) 19 mm Deep Socket</li> <li>(1) 21 mm Deep Socket</li> <li>(1) 22 mm Deep Socket</li> <li>(1) 26 mm Deep Socket</li> <li>(1) 27 mm Deep Socket</li> <li>(1) Hard Case</li> </ul>	49-66-7014
 <p><b>6 PT DEEP</b> <b>19 PC</b> SHOCKWAVE Impact Duty™ 1/2" Drive SAE 6 Point Deep Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 3/8" Deep Socket</li> <li>(1) 7/16" Deep Socket</li> <li>(1) 1/2" Deep Socket</li> <li>(1) 9/16" Deep Socket</li> <li>(1) 5/8" Deep Socket</li> <li>(1) 11/16" Deep Socket</li> <li>(1) 3/4" Deep Socket</li> <li>(1) 13/16" Deep Socket</li> <li>(1) 7/8" Deep Socket</li> <li>(1) 15/16" Deep Socket</li> <li>(1) 1" Deep Socket</li> <li>(1) 1-1/16" Deep Socket</li> <li>(1) 1-1/8" Deep Socket</li> <li>(1) 1-3/16" Deep Socket</li> <li>(1) 1-1/4" Deep Socket</li> <li>(1) 1-5/16" Deep Socket</li> <li>(1) 1-3/8" Deep Socket</li> <li>(1) 1-7/16" Deep Socket</li> <li>(1) 1-1/2" Deep Socket</li> <li>(1) Hard Case</li> </ul>	49-66-7012
 <p><b>6 PT DEEP</b> <b>29 PC</b> SHOCKWAVE Impact Duty™ 1/2" Drive Metric 6 Point Deep Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 8 mm Deep Socket</li> <li>(1) 9 mm Deep Socket</li> <li>(1) 10 mm Deep Socket</li> <li>(1) 11 mm Deep Socket</li> <li>(1) 12 mm Deep Socket</li> <li>(1) 13 mm Deep Socket</li> <li>(1) 14 mm Deep Socket</li> <li>(1) 15 mm Deep Socket</li> <li>(1) 16 mm Deep Socket</li> <li>(1) 17 mm Deep Socket</li> <li>(1) 18 mm Deep Socket</li> <li>(1) 19 mm Deep Socket</li> <li>(1) 20 mm Deep Socket</li> <li>(1) 21 mm Deep Socket</li> <li>(1) 22 mm Deep Socket</li> <li>(1) 23 mm Deep Socket</li> <li>(1) 24 mm Deep Socket</li> <li>(1) 25 mm Deep Socket</li> <li>(1) 26 mm Deep Socket</li> <li>(1) 27 mm Deep Socket</li> <li>(1) 28 mm Deep Socket</li> <li>(1) 29 mm Deep Socket</li> <li>(1) 30 mm Deep Socket</li> <li>(1) 31 mm Deep Socket</li> <li>(1) 32 mm Deep Socket</li> <li>(1) 33 mm Deep Socket</li> <li>(1) 34 mm Deep Socket</li> <li>(1) 35 mm Deep Socket</li> <li>(1) 36 mm Deep Socket</li> <li>(1) Hard Case</li> </ul>	49-66-7015

SHOCKWAVE IMPACT DUTY™ 1/2" DRIVE SOCKET SETS

Description	Includes	Part No.
 <p><b>6 PT DEEP</b> <b>29 PC</b> SHOCKWAVE Impact Duty™ 1/2" Drive Metric &amp; SAE 6 Point Deep Socket Set</p>	<ul style="list-style-type: none"> <li>(1) 7/16" Deep Socket</li> <li>(1) 1/2" Deep Socket</li> <li>(1) 9/16" Deep Socket</li> <li>(1) 5/8" Deep Socket</li> <li>(1) 11/16" Deep Socket</li> <li>(1) 3/4" Deep Socket</li> <li>(1) 13/16" Deep Socket</li> <li>(1) 7/8" Deep Socket</li> <li>(1) 15/16" Deep Socket</li> <li>(1) 1" Deep Socket</li> <li>(1) 1-1/16" Deep Socket</li> <li>(1) 1-1/8" Deep Socket</li> <li>(1) 1-3/16" Deep Socket</li> <li>(1) 1-1/4" Deep Socket</li> <li>(1) 10 mm Deep Socket</li> <li>(1) 11 mm Deep Socket</li> <li>(1) 12 mm Deep Socket</li> <li>(1) 13 mm Deep Socket</li> <li>(1) 14 mm Deep Socket</li> <li>(1) 15 mm Deep Socket</li> <li>(1) 16 mm Deep Socket</li> <li>(1) 17 mm Deep Socket</li> <li>(1) 18 mm Deep Socket</li> <li>(1) 19 mm Deep Socket</li> <li>(1) 21 mm Deep Socket</li> <li>(1) 22 mm Deep Socket</li> <li>(1) 26 mm Deep Socket</li> <li>(1) 27 mm Deep Socket</li> <li>(1) 3" Extension</li> <li>(1) Hard Case</li> </ul>	49-66-7016

**NEW** SHOCKWAVE IMPACT DUTY™ 1/2" DRIVE SAE SOCKETS

6 PT STANDARD			6 PT DEEP		
Diameter	Depth	Part No.	Diameter	Depth	Part No.
3/8"	Standard	49-66-6200	3/8"	Deep	49-66-6220
7/16"	Standard	49-66-6201	7/16"	Deep	49-66-6221
1/2"	Standard	49-66-6202	1/2"	Deep	49-66-6222
9/16"	Standard	49-66-6203	9/16"	Deep	49-66-6223
5/8"	Standard	49-66-6204	5/8"	Deep	49-66-6224
11/16"	Standard	49-66-6205	11/16"	Deep	49-66-6225
3/4"	Standard	49-66-6206	3/4"	Deep	49-66-6226
13/16"	Standard	49-66-6207	13/16"	Deep	49-66-6227
7/8"	Standard	49-66-6208	7/8"	Deep	49-66-6228
15/16"	Standard	49-66-6209	15/16"	Deep	49-66-6229
1"	Standard	49-66-6210	1"	Deep	49-66-6230
1-1/16"	Standard	49-66-6211	1-1/16"	Deep	49-66-6231
1-1/8"	Standard	49-66-6212	1-1/8"	Deep	49-66-6232
1-3/16"	Standard	49-66-6213	1-3/16"	Deep	49-66-6233
1-1/4"	Standard	49-66-6214	1-1/4"	Deep	49-66-6234
1-5/16"	Standard	49-66-6215	1-5/16"	Deep	49-66-6235
1-3/8"	Standard	49-66-6216	1-3/8"	Deep	49-66-6236
1-7/16"	Standard	49-66-6217	1-7/16"	Deep	49-66-6237
1-1/2"	Standard	49-66-6218	1-1/2"	Deep	49-66-6238
1-9/16"	Standard	49-66-6219	1-9/16"	Deep	49-66-6239

**SAE**

DRIVING & FASTENING

DRIVING & FASTENING

**NEW**

**SHOCKWAVE IMPACT DUTY™ 1/2" DRIVE METRIC SOCKETS**

**6 PT STANDARD**

Diameter	Depth	Part No.
8 mm	Standard	49-66-6240
9 mm	Standard	49-66-6241
10 mm	Standard	49-66-6242
11 mm	Standard	49-66-6243
12 mm	Standard	49-66-6244
13 mm	Standard	49-66-6245
14 mm	Standard	49-66-6246
15 mm	Standard	49-66-6247
16 mm	Standard	49-66-6248
17 mm	Standard	49-66-6249
18 mm	Standard	49-66-6250
19 mm	Standard	49-66-6251
20 mm	Standard	49-66-6252
21 mm	Standard	49-66-6253
22 mm	Standard	49-66-6254
23 mm	Standard	49-66-6255
24 mm	Standard	49-66-6256
25 mm	Standard	49-66-6257
26 mm	Standard	49-66-6258
27 mm	Standard	49-66-6259
28 mm	Standard	49-66-6260
29 mm	Standard	49-66-6261
30 mm	Standard	49-66-6262
31 mm	Standard	49-66-6263
32 mm	Standard	49-66-6264
33 mm	Standard	49-66-6265
34 mm	Standard	49-66-6266
35 mm	Standard	49-66-6267
36 mm	Standard	49-66-6268

**6 PT DEEP**

Diameter	Depth	Part No.
8 mm	Deep	49-66-6269
9 mm	Deep	49-66-6270
10 mm	Deep	49-66-6271
11 mm	Deep	49-66-6272
12 mm	Deep	49-66-6273
13 mm	Deep	49-66-6274
14 mm	Deep	49-66-6275
15 mm	Deep	49-66-6276
16 mm	Deep	49-66-6277
17 mm	Deep	49-66-6278
18 mm	Deep	49-66-6279
19 mm	Deep	49-66-6280
20 mm	Deep	49-66-6281
21 mm	Deep	49-66-6282
22 mm	Deep	49-66-6283
23 mm	Deep	49-66-6284
24 mm	Deep	49-66-6285
25 mm	Deep	49-66-6286
26 mm	Deep	49-66-6287
27 mm	Deep	49-66-6288
28 mm	Deep	49-66-6289
29 mm	Deep	49-66-6290
30 mm	Deep	49-66-6291
31 mm	Deep	49-66-6292
32 mm	Deep	49-66-6293
33 mm	Deep	49-66-6294
34 mm	Deep	49-66-6295
35 mm	Deep	49-66-6296
36 mm	Deep	49-66-6297

**METRIC**

**NEW**

**SHOCKWAVE IMPACT DUTY™ 1/2" DRIVE SOCKET ACCESSORIES**

SHOCKWAVE IMPACT DUTY™ 1/2" DRIVE SOCKET ACCESSORIES

Description	Part No.
3" 1/2" Drive Extension	49-66-6706
6" 1/2" Drive Extension	49-66-6707
10" 1/2" Drive Extension	49-66-6708
3 PC 1/2" Drive Extension Set	49-66-6715
1/2" to 3/8" Drive Reducer	49-66-6725
1/2" to 3/4" Drive Adapter	49-66-6726
1/2" Drive Universal Joint	49-66-6727
1/2" Drive Socket Rail	49-66-6736
1/2" Drive Socket Rail Clips (10 pk)	49-66-6741
1/4" Hex to 1/2" Square Drive 2" Socket Adapter	48-32-5034
1/4" Hex to 1/2" Square Drive 2" Socket Adapters (Bulk 10)	48-32-5734



**3/4" DRIVE**

**NEW**

**SHOCKWAVE IMPACT DUTY™ 3/4" DRIVE SOCKET SETS**


SHOCKWAVE IMPACT DUTY™ 3/4" DRIVE SOCKET SETS

Description	Includes	Part No.
<p><b>6 PT STANDARD</b> 8 PC SHOCKWAVE Impact Duty™ 3/4" Drive SAE 6 Point Standard Socket Set</p>	<p>(1) 1" Standard Socket (1) 1-1/16" Standard Socket (1) 1-1/8" Standard Socket (1) 1-1/4" Standard Socket (1) 1-5/16" Standard Socket (1) 1-3/8" Standard Socket (1) 1-7/16" Standard Socket (1) 1-1/2" Standard Socket (1) Hard Case</p>	49-66-7017
<p><b>6 PT DEEP</b> 8 PC SHOCKWAVE Impact Duty™ 3/4" Drive SAE 6 Point Deep Socket Set</p>	<p>(1) 1" Deep Socket (1) 1-1/16" Deep Socket (1) 1-1/8" Deep Socket (1) 1-1/4" Deep Socket (1) 1-5/16" Deep Socket (1) 1-3/8" Deep Socket (1) 1-7/16" Deep Socket (1) 1-1/2" Deep Socket (1) Hard Case</p>	49-66-7018
<p><b>6 PT STANDARD</b> 8 PC SHOCKWAVE Impact Duty™ 3/4" Drive Metric 6 Point Standard Socket Set</p>	<p>(1) 26 mm Standard Socket (1) 27 mm Standard Socket (1) 29 mm Standard Socket (1) 30 mm Standard Socket (1) 32 mm Standard Socket (1) 35 mm Standard Socket (1) 36 mm Standard Socket (1) 38 mm Standard Socket (1) Hard Case</p>	49-66-7019

DRIVING & FASTENING

DRIVING & FASTENING

SHOCKWAVE IMPACT DUTY™ 3/4" DRIVE SOCKET SETS

Description	Includes	Part No.
 <p><b>6 PT DEEP</b></p> <p><b>8 PC</b> SHOCKWAVE Impact Duty™ 3/4" Drive Metric 6 Point Deep Socket Set</p>	<p>(1) 26 mm Deep Socket (1) 27 mm Deep Socket (1) 29 mm Deep Socket (1) 30 mm Deep Socket (1) 32 mm Deep Socket (1) 35 mm Deep Socket (1) 36 mm Deep Socket (1) 38 mm Deep Socket (1) Hard Case</p>	49-66-7020

**NEW**  
SHOCKWAVE IMPACT DUTY™ 3/4" DRIVE SAE SOCKETS

6 PT STANDARD				6 PT DEEP			
Diameter	Depth	Part No.	Optional Retaining Ring	Diameter	Depth	Part No.	Optional Retaining Ring
9/16"	Standard	49-66-6300	49-66-6743	9/16"	Deep	49-66-6332	49-66-6743
5/8"	Standard	49-66-6301		5/8"	Deep	49-66-6333	
11/16"	Standard	49-66-6302		11/16"	Deep	49-66-6334	
3/4"	Standard	49-66-6303		3/4"	Deep	49-66-6335	
13/16"	Standard	49-66-6304		13/16"	Deep	49-66-6336	
7/8"	Standard	49-66-6305		7/8"	Deep	49-66-6337	
15/16"	Standard	49-66-6306		15/16"	Deep	49-66-6338	
1"	Standard	49-66-6307	49-66-6744	1"	Deep	49-66-6339	49-66-6744
1-1/16"	Standard	49-66-6308		1-1/16"	Deep	49-66-6340	
1-1/8"	Standard	49-66-6309		1-1/8"	Deep	49-66-6341	
1-3/16"	Standard	49-66-6310		1-3/16"	Deep	49-66-6342	
1-1/4"	Standard	49-66-6311		1-1/4"	Deep	49-66-6343	
1-5/16"	Standard	49-66-6312		1-5/16"	Deep	49-66-6344	
1-3/8"	Standard	49-66-6313		1-3/8"	Deep	49-66-6345	
1-7/16"	Standard	49-66-6314		1-7/16"	Deep	49-66-6346	
1-1/2"	Standard	49-66-6315		1-1/2"	Deep	49-66-6347	
1-9/16"	Standard	49-66-6316		1-9/16"	Deep	49-66-6348	
1-5/8"	Standard	49-66-6317		1-5/8"	Deep	49-66-6349	
1-11/16"	Standard	49-66-6318		1-11/16"	Deep	49-66-6350	
1-3/4"	Standard	49-66-6319		1-3/4"	Deep	49-66-6351	
1-13/16"	Standard	49-66-6320		1-13/16"	Deep	49-66-6352	
1-7/8"	Standard	49-66-6321	1-7/8"	Deep	49-66-6353		
1-15/16"	Standard	49-66-6322	1-15/16"	Deep	49-66-6354		
2"	Standard	49-66-6323	2"	Deep	49-66-6355		

**SAE**

**NEW**  
SHOCKWAVE IMPACT DUTY™ 3/4" DRIVE METRIC SOCKETS

6 PT STANDARD				6 PT DEEP			
Diameter	Depth	Part No.	Optional Retaining Ring	Diameter	Depth	Part No.	Optional Retaining Ring
17 mm	Standard	49-66-6356	49-66-6744	17 mm	Deep	49-66-6393	49-66-6744
19 mm	Standard	49-66-6357		19 mm	Deep	49-66-6394	
20 mm	Standard	49-66-6358		20 mm	Deep	49-66-6395	
21 mm	Standard	49-66-6359		21 mm	Deep	49-66-6396	
22 mm	Standard	49-66-6360		22 mm	Deep	49-66-6397	
23 mm	Standard	49-66-6361		23 mm	Deep	49-66-6398	
24 mm	Standard	49-66-6362		24 mm	Deep	49-66-6399	
25 mm	Standard	49-66-6363		25 mm	Deep	49-66-6400	
26 mm	Standard	49-66-6364		26 mm	Deep	49-66-6401	
27 mm	Standard	49-66-6365		27 mm	Deep	49-66-6402	
28 mm	Standard	49-66-6366		28 mm	Deep	49-66-6403	
29 mm	Standard	49-66-6367		29 mm	Deep	49-66-6404	
30 mm	Standard	49-66-6368		30 mm	Deep	49-66-6405	
31 mm	Standard	49-66-6369		31 mm	Deep	49-66-6406	
32 mm	Standard	49-66-6370		32 mm	Deep	49-66-6407	
33 mm	Standard	49-66-6371		33 mm	Deep	49-66-6408	
34 mm	Standard	49-66-6372		34 mm	Deep	49-66-6409	
35 mm	Standard	49-66-6373		35 mm	Deep	49-66-6410	
36 mm	Standard	49-66-6374		36 mm	Deep	49-66-6411	
37 mm	Standard	49-66-6375		37 mm	Deep	49-66-6412	
38 mm	Standard	49-66-6376		38 mm	Deep	49-66-6413	
39 mm	Standard	49-66-6377		39 mm	Deep	49-66-6414	
40 mm	Standard	49-66-6378		40 mm	Deep	49-66-6415	
41 mm	Standard	49-66-6379		41 mm	Deep	49-66-6416	
42 mm	Standard	49-66-6380		42 mm	Deep	49-66-6417	
43 mm	Standard	49-66-6381		43 mm	Deep	49-66-6418	
44 mm	Standard	49-66-6382		44 mm	Deep	49-66-6419	
45 mm	Standard	49-66-6383		45 mm	Deep	49-66-6420	
46 mm	Standard	49-66-6384		46 mm	Deep	49-66-6421	
47 mm	Standard	49-66-6385		47 mm	Deep	49-66-6422	
48 mm	Standard	49-66-6386	48 mm	Deep	49-66-6423		
49 mm	Standard	49-66-6387	49 mm	Deep	49-66-6424		
50 mm	Standard	49-66-6388	50 mm	Deep	49-66-6425		
60 mm	Standard	49-66-6392					

**METRIC**

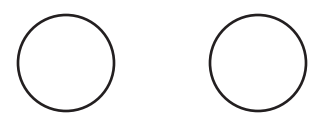


**NEW**

**SHOCKWAVE IMPACT DUTY™ 3/4" DRIVE SOCKET ACCESSORIES**

SHOCKWAVE IMPACT DUTY™ 3/4" DRIVE SOCKET ACCESSORIES

Description	Part No.
4" 3/4" Drive Extension	49-66-6709
7" 3/4" Drive Extension	49-66-6710
10" 3/4" Drive Extension	49-66-6711
3/4" to 1/2" Drive Reducer	49-66-6728
3/4" to 1" Drive Adapter	49-66-6729
3/4" Drive Universal Joint	49-66-6730
9/16" to 1" 3/4" Drive Socket Retaining Ring	49-66-6743
1-1/16" to 2" 3/4" Drive Socket Retaining Ring	49-66-6744



**NEW**

**SHOCKWAVE IMPACT DUTY™ 1" DRIVE METRIC SOCKETS**

**6 PT STANDARD**

**METRIC**

Diameter	Depth	Part No.	Optional Retaining Ring
27 mm	Standard	49-66-6592	49-66-6745
28 mm	Standard	49-66-6593	
29 mm	Standard	49-66-6594	
30 mm	Standard	49-66-6595	
31 mm	Standard	49-66-6596	
32 mm	Standard	49-66-6597	
33 mm	Standard	49-66-6598	
34 mm	Standard	49-66-6599	
35 mm	Standard	49-66-6600	
36 mm	Standard	49-66-6601	
38 mm	Standard	49-66-6602	
40 mm	Standard	49-66-6603	

Diameter	Depth	Part No.	Optional Retaining Ring
41 mm	Standard	49-66-6604	49-66-6745
42 mm	Standard	49-66-6605	
46 mm	Standard	49-66-6606	49-66-6746
50 mm	Standard	49-66-6607	
52 mm	Standard	49-66-6608	
54 mm	Standard	49-66-6609	
55 mm	Standard	49-66-6610	
56 mm	Standard	49-66-6611	
58 mm	Standard	49-66-6612	
60 mm	Standard	49-66-6613	
65 mm	Standard	49-66-6614	
67 mm	Standard	49-66-6615	
70 mm	Standard	49-66-6616	

**1" DRIVE**

**NEW**

**SHOCKWAVE IMPACT DUTY™ 1" DRIVE SAE SOCKETS**

**6 PT DEEP**

**SAE**

Diameter	Depth	Part No.	Optional Retaining Ring
7/8"	Deep	49-66-6502	49-66-6745
15/16"	Deep	49-66-6503	
1"	Deep	49-66-6504	
1-1/16"	Deep	49-66-6505	
1-1/8"	Deep	49-66-6506	
1-3/16"	Deep	49-66-6507	
1-1/4"	Deep	49-66-6508	
1-5/16"	Deep	49-66-6509	
1-3/8"	Deep	49-66-6510	
1-7/16"	Deep	49-66-6511	

Diameter	Depth	Part No.	Optional Retaining Ring
1-1/2"	Deep	49-66-6512	49-66-6745
1-9/16"	Deep	49-66-6513	
1-5/8"	Deep	49-66-6514	
1-11/16"	Deep	49-66-6515	
1-3/4"	Deep	49-66-6516	49-66-6746
1-13/16"	Deep	49-66-6517	
1-7/8"	Deep	49-66-6518	
1-15/16"	Deep	49-66-6519	
2"	Deep	49-66-6520	
2-1/4"	Deep	49-66-6521	

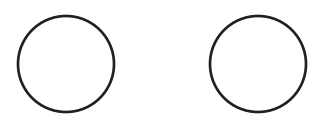


**NEW**

**SHOCKWAVE IMPACT DUTY™ 1" DRIVE SOCKET ACCESSORIES**

SHOCKWAVE IMPACT DUTY™ 1" DRIVE SOCKET ACCESSORIES

Description	Part No.
7" 1" Drive Extension	49-66-6712
10" 1" Drive Extension	49-66-6713
1" to 3/4" Drive Reducer	49-66-6731
1" to 1-1/2" Drive Adapter	49-66-6732
1" Drive Universal Joint	49-66-6733
7/8" to 1-11/16" 1" Drive Socket Retaining Ring	49-66-6745
1-3/4" to 2-1/4" 1" Drive Socket Retaining Ring	49-66-6746



**SHOCKWAVE IMPACT DUTY™ LINEMAN'S 3-IN-1 UTILITY SOCKETS**
**OVERVIEW**

The SHOCKWAVE Impact Duty™ Lineman's 3-in-1 Utility Sockets provide more secure, efficient fastening in all fastening environments and orientations. The sockets feature a 3-in-1 square design for single-sided fastening, eliminating the drop hazard of removing the sockets from the adapter to change sizes. The Push and Twist Barrel Lock allows for secure, one-handed size changes, even while wearing gloves. The sockets feature an interior debris shield that resists interior rust and corrosion from dirt, wood chips, and moisture from the jobsite.

**FEATURES**

- More secure, efficient fastening
- 3-in-1 Square Design: For single-sided fastening
- Push and Twist Barrel Lock: Secure, one-handed size changes


**SHOCKWAVE IMPACT DUTY™ LINEMAN'S 3-IN-1 UTILITY SOCKETS**

Description	Part No.
SHOCKWAVE Impact Duty™ Lineman's 3-in-1 Distribution Utility Socket	49-66-5101
SHOCKWAVE Impact Duty™ Lineman's 3-in-1 Transmission Utility Socket	49-66-5102

**SHOCKWAVE IMPACT DUTY™ LINEMAN'S 2-IN-1 UTILITY SOCKETS**
**OVERVIEW**

Our SHOCKWAVE Impact Duty™ Lineman's 2-in-1 Socket is designed to increase efficiency and safety for Lineman. This 2-in-1 socket is the most durable with an internal anti-rust, stainless steel spring-loaded design. The 12PT design will fit both hex and square hardware for increased versatility and provides hands-free changes. A 7/16" to 1/2" impact adapter is included. This MILWAUKEE® socket set features a pin detent hole for locking onto pin detent tools and adapters for maximum jobsite productivity.

**FEATURES**

- Internal Anti-rust Stainless Steel Spring: Increased durability
- 2-in-1 Design: Fits two different-sized hardware without changing the socket
- 7/16" to 1/2" SHOCKWAVE™ Lineman's Impact Adapter included


**SHOCKWAVE IMPACT DUTY™ LINEMAN'S 2-IN-1 UTILITY SOCKETS**

Description	Part No.
	49-66-5111
	49-66-5121
	49-66-5119

Description	Part No.
	49-66-5120
	49-66-5124
	49-66-5125

**SHOCKWAVE IMPACT DUTY™ LINEMAN'S HEX BIT SOCKETS**
**OVERVIEW**

Our SHOCKWAVE Impact Duty™ Lineman's Hex Bit Sockets are designed to be the most durable, providing the best access into tight spaces. Their one-piece design helps these hex bit sockets better withstand the torque of power tools. A 1-3/4" hex fastening depth allows these bits to fit the most common connections and hardware that utilities and electricians encounter. The profile is more compact compared to some competitive hex bit sockets and will fit more connections.


**FEATURES**

- Internal Anti-rust Stainless Steel Spring: Increased durability
- 2-in-1 Design: Fits two different-sized hardware without changing the socket
- 7/16" to 1/2" SHOCKWAVE Impact Duty™ Lineman's Impact Adapter




**SHOCKWAVE IMPACT DUTY™ LINEMAN'S HEX BIT SOCKETS**

Description	Drive	Part No.	
	5/16" SHOCKWAVE Impact Duty™ Lineman's 3/8" Drive Hex Bit Socket	3/8"	49-66-5151
	3/8" SHOCKWAVE Impact Duty™ Lineman's 3/8" Drive Hex Bit Socket	3/8"	49-66-5152
	1/2" SHOCKWAVE Impact Duty™ Lineman's 3/8" Drive Hex Bit Socket	3/8"	49-66-5154
	5/16" SHOCKWAVE Impact Duty™ Lineman's 1/2" Drive Hex Bit Socket	1/2"	49-66-5141
	3/8" SHOCKWAVE Impact Duty™ Lineman's 1/2" Drive Hex Bit Socket	1/2"	49-66-5142
	1/2" SHOCKWAVE Impact Duty™ Lineman's 1/2" Drive Hex Bit Socket	1/2"	49-66-5144


**SHOCKWAVE IMPACT DUTY™ LINEMAN'S HEX BIT SOCKETS – METRIC**

Description	Drive	Part No.
 5 mm SHOCKWAVE Impact Duty™ Lineman's 3/8" Drive Hex Bit Socket	3/8"	49-66-5155
6 mm SHOCKWAVE Impact Duty™ Lineman's 3/8" Drive Hex Bit Socket	3/8"	49-66-5156
5 mm SHOCKWAVE Impact Duty™ Lineman's 1/2" Drive Hex Bit Socket	1/2"	49-66-5145
6 mm SHOCKWAVE Impact Duty™ Lineman's 1/2" Drive Hex Bit Socket	1/2"	49-66-5146


**SHOCKWAVE IMPACT DUTY™ LINEMAN'S REMOVERS/INSTALLERS**

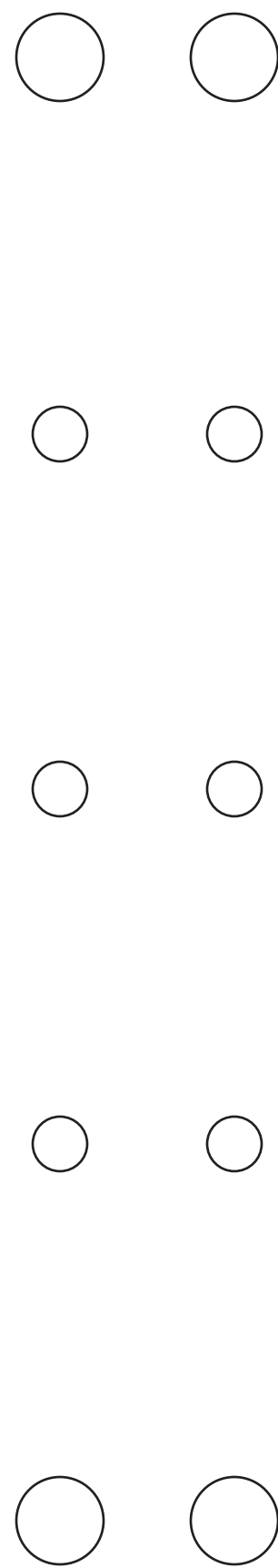
Description	Part No.
 5/8" SHOCKWAVE Impact Duty™ Lineman's Pole Step Socket	49-66-5131
 SHOCKWAVE Impact Duty™ Lineman's J-Hook Socket	49-66-5132

**SHOCKWAVE IMPACT DUTY™ LINEMAN'S PENTA SOCKET**

Description	Part No.
 13/16" SHOCKWAVE Impact Duty™ Lineman's Penta Socket	49-66-5133

**SHOCKWAVE IMPACT DUTY™ LINEMAN'S SOCKET ADAPTERS**

Description	Part No.
 7/16" – 1/2" SHOCKWAVE Impact Duty™ Lineman's Socket Adapter	48-32-5100
7/16" – 1/2" SHOCKWAVE Impact Duty™ Lineman's Socket Adapter (10 pk)	49-32-5700


**STEEL HAWG® CUTTERS**
**THREADED STEEL HAWG® CUTTERS**
**OVERVIEW**

MILWAUKEE® Threaded STEEL HAWG® Cutters Are designed to cut Faster and longer in tough metal materials. These long-lasting cutters feature carbide teeth and an alternating cutting pattern to cut up to a 2" hole depth in steel, stainless steel, cast iron or aluminum. A spring-loaded, self-ejecting pin lets you make smoother, more accurate cuts and eject plugs faster. The STEEL HAWG® Cutter works with most electromagnetic drill presses. For best cutting results use HAWG WASH™ cutting fluid to keep cutting surface cool and lubricated. HAWG WASH™ fluid is available in 16 ounce bottles (49-32-0081). One bottle makes one gallon of lubricating solution. Order oil hose (43-75-0010) and hand pump (44-46-0090) separately to distribute cutting fluid during drilling.


**FEATURES**

- Faster Cutting: Alternating tooth form geometry makes fast work of cutting steel
- Long Life: Abrasion-resistant carbide teeth increase cutter life and produce a cleaner cut
- Versatile: 2" Cutting depth

**THREADED STEEL HAWG® CUTTERS**

Diameter	Description	Part No.
3/4"	Threaded STEEL HAWG® Cutter	49-57-0750
13/16"	Threaded STEEL HAWG® Cutter	49-57-0812
7/8"	Threaded STEEL HAWG® Cutter	49-57-0875
15/16"	Threaded STEEL HAWG® Cutter	49-57-0937
1"	Threaded STEEL HAWG® Cutter	49-57-1000
1-1/16"	Threaded STEEL HAWG® Cutter	49-57-1062
1-1/8"	Threaded STEEL HAWG® Cutter	49-57-1125
1-3/16"	Threaded STEEL HAWG® Cutter	49-57-1187
1-1/4"	Threaded STEEL HAWG® Cutter	49-57-1250
1-5/16"	Threaded STEEL HAWG® Cutter	49-57-1312
1-3/8"	Threaded STEEL HAWG® Cutter	49-57-1375
1-7/16"	Threaded STEEL HAWG® Cutter	49-57-1437
1-1/2"	Threaded STEEL HAWG® Cutter	49-57-1500
1-9/16"	Threaded STEEL HAWG® Cutter	49-57-1562
1-5/8"	Threaded STEEL HAWG® Cutter	49-57-1625
1-11/16"	Threaded STEEL HAWG® Cutter	49-57-1687
1-3/4"	Threaded STEEL HAWG® Cutter	49-57-1750
1-13/16"	Threaded STEEL HAWG® Cutter	49-57-1812
1-7/8"	Threaded STEEL HAWG® Cutter	49-57-1875

Diameter	Description	Part No.
1-15/16"	Threaded STEEL HAWG® Cutter	49-57-1937
2"	Threaded STEEL HAWG® Cutter	49-57-2000
2-1/16"	Threaded STEEL HAWG® Cutter	49-57-2060
2-1/8"	Threaded STEEL HAWG® Cutter	49-57-2120
2-1/4"	Threaded STEEL HAWG® Cutter	49-57-2250
2-5/16"	Threaded STEEL HAWG® Cutter	49-57-2310
2-3/8"	Threaded STEEL HAWG® Cutter	49-57-2370
2-1/2"	Threaded STEEL HAWG® Cutter	49-57-2500
2-9/16"	Threaded STEEL HAWG® Cutter	49-57-2560
2-5/8"	Threaded STEEL HAWG® Cutter	49-57-2620
2-3/4"	Threaded STEEL HAWG® Cutter	49-57-2750
2-7/8"	Threaded STEEL HAWG® Cutter	49-57-2870
3"	Threaded STEEL HAWG® Cutter	49-57-3000
3-1/8"	Threaded STEEL HAWG® Cutter	49-57-3120
3-1/4"	Threaded STEEL HAWG® Cutter	49-57-3250
3-3/8"	Threaded STEEL HAWG® Cutter	49-57-3370
3-1/2"	Threaded STEEL HAWG® Cutter	49-57-3500
3-5/8"	Threaded STEEL HAWG® Cutter	49-57-3620
3-3/4"	Threaded STEEL HAWG® Cutter	49-57-3750

**THREADED STEEL HAWG® CUTTERS**

Diameter	Description	Part No.
3-7/8"	Threaded STEEL HAWG® Cutter	49-57-3870
4"	Threaded STEEL HAWG® Cutter	49-57-4000
4-1/8"	Threaded STEEL HAWG® Cutter	49-57-4120
4-1/4"	Threaded STEEL HAWG® Cutter	49-57-4250
4-3/8"	Threaded STEEL HAWG® Cutter	49-57-4370
4-1/2"	Threaded STEEL HAWG® Cutter	49-57-4500

Diameter	Description	Part No.
4-5/8"	Threaded STEEL HAWG® Cutter	49-57-4620
4-3/4"	Threaded STEEL HAWG® Cutter	49-57-4750
5"	Threaded STEEL HAWG® Cutter	49-57-5000
5-1/2"	Threaded STEEL HAWG® Cutter	49-57-5500
6"	Threaded STEEL HAWG® Cutter	49-57-6000

**THREADED STEEL HAWG® ACCESSORIES**
**THREADED STEEL HAWG® ACCESSORIES**

Description	Part No.
#2 Morse Taper to Threaded STEEL HAWG® Cutter Arbor	49-57-0020
#3 Morse Taper to Threaded STEEL HAWG® Cutter Arbor	49-57-0010
3/4" Shank to Threaded STEEL HAWG® Cutter Arbor	49-57-0030

**QUICK CHANGE STEEL HAWG® CUTTERS**
**OVERVIEW**

MILWAUKEE® Quick Change STEEL HAWG® Cutters are designed to cut faster and longer in tough metal materials. These long-lasting cutters feature carbide teeth and an alternating cutting pattern to cut up to a 2" hole depth in steel, stainless steel, cast iron or aluminum. A spring-loaded, self-ejecting pin lets you make smoother, more accurate cuts and eject plugs faster. The STEEL HAWG® Cutter works with most electromagnetic drill presses. For best cutting results use HAWG WASH™ cutting fluid to keep cutting surface cool and lubricated. HAWG WASH™ fluid is available in 16 ounce bottles (49-32-0081). One bottle makes one gallon of lubricating solution. Order oil hose (43-75-0010) and hand pump (44-46-0090) separately to distribute cutting fluid during drilling.


**FEATURES**

- Faster Cutting: Alternating tooth form geometry makes fast work of cutting steel
- Long Life: Abrasion-resistant carbide teeth increase cutter life and produce a cleaner cut
- Tool-free Operation: Fast changes
- Versatile: 1" Cutting depth

**QUICK CHANGE STEEL HAWG® CUTTERS**

Diameter	Description	Part No.
1/2"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-0251
9/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-0564
5/8"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-0626

**QUICK CHANGE STEEL HAWG® CUTTERS**

Diameter	Description	Part No.
11/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-0689
3/4"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-0752
13/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-0814
7/8"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-0877
15/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-0939
1"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1002
1-1/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1064
1-1/8"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1127
1-3/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1189
1-1/4"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1252
1-5/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1314
1-3/8"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1377
1-7/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1439
1-1/2"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1502
1-9/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1564
1-5/8"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1627
1-11/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1689
1-3/4"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1752
1-13/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1814
1-7/8"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1877
1-15/16"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-1939
2"	Quick Change Tang Drive STEEL HAWG® Cutter	49-57-2002

**QUICK CHANGE STEEL HAWG® ACCESSORIES**
**QUICK CHANGE STEEL HAWG® ACCESSORIES**

Description	Part No.
#3 Morse Taper to Quick Change STEEL HAWG® Cutter Arbor	49-57-0012
#3 Morse Taper to Quick Change STEEL HAWG® Cutter Arbor with Chip Breaker	49-57-0013
3/4" Shank to Quick Change STEEL HAWG® Cutter Arbor	49-57-0032

**ONE-PIECE STEEL HAWG® CUTTERS**
**OVERVIEW**

Make a thinner cut through material and drill holes up to 3X faster with the MILWAUKEE® One-Piece STEEL HAWG® Cutters. These long-lasting cutters feature carbide teeth and an alternating tooth form geometry to cut holes fast in steel, stainless steel and cast iron up to 1/2" thick. Each cutter features a milled 3-Flat Shank designed to fit into 1/2" chucks. The One-Piece STEEL HAWG® Cutter is often used to cut a hole 1/16" larger than a bolt. It can be used with most electromagnetic drill presses and fits most 1/2" chucks.

**FEATURES**

- Faster Cutting: Alternating tooth form geometry makes fast work of cutting steel
- Long Life: Abrasion-resistant carbide teeth increase cutter life and produce a cleaner cut
- Cleaner Holes: Cut less material for clean, accurate holes
- 1/2" Cutting Depth


**ONE-PIECE STEEL HAWG® CUTTERS**


Diameter	Description	Part No.
9/16"	One-Piece STEEL HAWG® Cutter	49-57-8064
11/16"	One-Piece STEEL HAWG® Cutter	49-57-8068
13/16"	One-Piece STEEL HAWG® Cutter	49-57-8081

Diameter	Description	Part No.
15/16"	One-Piece STEEL HAWG® Cutter	49-57-8093
1-1/16"	One-Piece STEEL HAWG® Cutter	49-57-8106


**COBALT STEP DRILL BITS**

Description	Number of Holes	Part No.
#1 Cobalt Step Drill Bit, 1/8" – 1/2"	13	48-89-9281
#4 Cobalt Step Drill Bit, 3/16" – 7/8"	12	48-89-9284
#9 Cobalt Step Drill Bit, 7/8" – 1-1/8"	2	48-89-9289

**COBALT STEP DRILL BIT SET**
**COBALT STEP DRILL BIT SET**

Description	Includes	Part No.
 <b>3 PC</b> Cobalt Step Drill Bit Set	(1) #1 Cobalt Step Drill Bit, 1/8" – 1/2" (1) #4 Cobalt Step Drill Bit, 3/16" – 7/8" (1) #9 Cobalt Step Drill Bit, 7/8" – 1-1/8" (1) Carrying Case	48-89-9291

**SHOCKWAVE IMPACT DUTY™ STEP DRILL BITS**
**OVERVIEW**

MILWAUKEE's SHOCKWAVE Impact Duty™ Step Drill Bits are engineered to deliver the most durable and fastest impact step bit hole drilling solution. Our step drill bits are made in the USA with global materials and give you best-in-class performance in impact drivers with the versatility to be used in drills. The 1/4" hex shank has an optimized SHOCK ZONE™ body providing you with the industry's most durable shank, reducing early shank breaks. A Titanium Aluminum Nitride (TiAlN) coating helps deliver you 5X longer life, while the step drill bit's RAPID STRIKE™ Tip and dual spiral flute produce 2X faster holes. Our 1/8" – 1/2" step bit features 13 steps with laser engraving for a clear stop on size identification.


**FEATURES**

- Titanium Aluminum Nitride (TiAlN) coated RAPID STRIKE™ Tip: Provides fast and accurate starts
- Most Durable Shank with an optimized SHOCK ZONE™
- Laser Engraving: Easy size identification


**SHOCKWAVE IMPACT DUTY™ STEP DRILL BITS**

Description	Number of Holes	Part No.
#1 SHOCKWAVE Impact Duty™ Step Drill Bit, 1/8" – 1/2"	13	48-89-9241
#2 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 1/2"	6	48-89-9242
#3 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 3/4"	10	48-89-9243
#4 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 7/8"	12	48-89-9244
#8 SHOCKWAVE Impact Duty™ Step Drill Bit, 1/2" – 1"	9	48-89-9248
#9 SHOCKWAVE Impact Duty™ Step Drill Bit, 7/8" – 1-1/8"	2	48-89-9249





**STEP DRILL BITS**
**NEW**
**COBALT STEP DRILL BITS**
**OVERVIEW**

MILWAUKEE® Cobalt Step Drill Bits are engineered to deliver up to 15X the life in stainless compared to current solutions and up to 1,000 holes in mild steel. These Cobalt Step Drill Bits are recommended up to 14ga. Each bit features an elongated dual-flute design that also offers users best heat management. MILWAUKEE's RAPID STRIKE™ Tip allows for 2X faster starts in stainless, while smaller steps provide the smoothest possible drilling experience. Made in the USA with global materials, these step bits have best-in-class performance in cordless drills used on low speed in stainless steel and high speed for mild steel.

**FEATURES**

- Up to 15X Life in Stainless Steel and Over 1,000 Holes in Mild Steel
- Up to 2X Faster: With RAPID STRIKE™ Tip
- Elongated Dual-flute: Best heat management


**STEP DRILL BITS**
**STEP DRILL BITS**
**SHOCKWAVE IMPACT DUTY™ STEP DRILL BIT SETS**

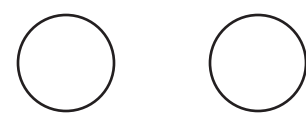
SHOCKWAVE IMPACT DUTY™ STEP DRILL BIT SETS		
Description	Includes	Part No.
 <b>3 PC</b> SHOCKWAVE Impact Duty™ Step Drill Bit Set	(1) #1 SHOCKWAVE Impact Duty™ Step Drill Bit, 1/8" – 1/2" (1) #2 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 1/2" (1) #4 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 7/8" (1) Carrying Case	48-89-9254
 <b>3 PC</b> SHOCKWAVE Impact Duty™ Mechanical Step Drill Bit Set	(1) #2 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 1/2" (1) #3 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 3/4" (1) #8 SHOCKWAVE Impact Duty™ Step Drill Bit, 1/2" – 1" (1) Carrying Case	48-89-9256
 <b>3 PC</b> SHOCKWAVE Impact Duty™ Electrician Step Drill Bit Set	(1) #1 SHOCKWAVE Impact Duty™ Step Drill Bit, 1/8" – 1/2" (1) #4 SHOCKWAVE Impact Duty™ Step Drill Bit, 3/16" – 7/8" (1) #9 SHOCKWAVE Impact Duty™ Step Drill Bit, 7/8" – 1-1/8" (1) Carrying Case	48-89-9257

**SHOCKWAVE IMPACT DUTY™ STEP DRILL BITS - METRIC**

SHOCKWAVE IMPACT DUTY™ STEP DRILL BITS – METRIC		
Description	Number of Holes	Part No.
Metric SHOCKWAVE Impact Duty™ Step Drill Bit, 4 mm – 12 mm	9	48-89-9261
Metric SHOCKWAVE Impact Duty™ Step Drill Bit, 4 mm – 12 mm	5	48-89-9262
Metric SHOCKWAVE Impact Duty™ Step Drill Bit, 4 mm – 20 mm	9	48-89-9263
Metric SHOCKWAVE Impact Duty™ Step Drill Bit, 4 mm – 30 mm	10	48-89-9265

**SHOCKWAVE IMPACT DUTY™ STEP DRILL BIT SET - METRIC**

SHOCKWAVE IMPACT DUTY™ STEP DRILL BIT SET – METRIC		
Description	Includes	Part No.
 <b>3 PC</b> SHOCKWAVE Impact Duty™ Metric Step Drill Bit Set	(1) Metric SHOCKWAVE Impact Duty™ Step Bit, 4 mm – 12 mm (1) Metric SHOCKWAVE Impact Duty™ Step Bit, 4 mm – 20 mm (1) Metric SHOCKWAVE Impact Duty™ Step Bit, 4 mm – 30 mm (1) Carrying Case	48-89-9266


**JAM-FREE STEP DRILL BITS**
**OVERVIEW**

MILWAUKEE® Step Drill Bits with JAM-FREE Performance feature a dual-flute design delivering up to 2X faster hole times, up to 4X longer life and up to 50% more holes per battery charge than competitors. Ideal for drilling small and large-diameter holes in steel and plastic, these bits are optimized for cordless drills in high speed. The RAPID STRIKE™ Tip allows for a fast and accurate start that generates less heat, resulting in longer bit tip life. Black oxide coating also enhances durability, hole quality, and bit life. For user convenience and accuracy, each bit has laser-engraved reference marks you can see while drilling. The 3-flat SECURE GRIP™ shank ensures a solid connection with the drill chuck. JAM-FREE Performance in high speed with most professional 18-volt cordless drills' lithium-ion battery technology.


**FEATURES**




- JAM-FREE Performance: Dual-flute design provides greater speed and control
- Up to 2X Faster: Optimized for cordless drills in high speed
- RAPID STRIKE™ Tip: Creates fast, accurate starts and generates less heat

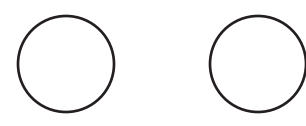
**JAM-FREE STEP DRILL BITS**

Description	Number of Holes	Part No.
#1 Step Drill Bit, 1/8" – 1/2"	13	48-89-9201
#2 Step Drill Bit, 3/16" – 1/2"	6	48-89-9202
#3 Step Drill Bit, 1/4" – 3/4"	9	48-89-9203
#4 Step Drill Bit, 3/16" – 7/8"	12	48-89-9204
#5 Step Drill Bit, 1/4" – 1-3/8"	10	48-89-9205
#6 Step Drill Bit, 3/8" & 1/2"	2	48-89-9206




Description	Number of Holes	Part No.
#7 Step Drill Bit, 7/8" Single Hole	1	48-89-9207
#8 Step Drill Bit, 1/2" – 1"	9	48-89-9208
#9 Step Drill Bit, 7/8" & 1-1/8"	2	48-89-9209
#11 Step Drill Bit, 7/8" – 1-7/32"	3	48-89-9211
#12 Step Drill Bit, 7/8" – 1-3/8"	5	48-89-9212

**JAM-FREE STEP DRILL BIT SETS**

JAM-FREE STEP DRILL BIT SETS		
Description	Includes	Part No.
 <b>2 PC</b> #4 Step Drill Bit Set	(2) #4 Step Drill Bits, 3/16" – 7/8"	48-89-9234
 <b>2 PC</b> #9 Step Drill Bit Set	(2) #9 Step Drill Bits, 7/8" & 1-1/8"	48-89-9239
 <b>3 PC</b> Step Drill Bit Set	(1) #1 Step Drill Bit, 1/8" – 1/2" (1) #2 Step Drill Bit, 3/16" – 1/2" (1) #4 Step Drill Bit, 3/16" – 7/8" (1) Carrying Case	48-89-9221



**JAM-FREE STEP DRILL BIT SETS**


Description	Includes	Part No.
 <b>4 PC</b> Step Drill Bit Set	(1) #1 Step Drill Bit, 1/8" – 1/2" (1) #4 Step Drill Bit, 3/16" – 7/8" (1) #7 Step Drill Bit, 7/8" Single Hole (1) #12 Step Drill Bit, 7/8" – 1-3/8" (1) Carrying Case	48-89-9223
 <b>6 PC</b> Step Drill Bit Set	(1) #1 Step Drill Bit, 1/8" – 1/2" (1) #4 Step Drill Bit, 3/16" – 7/8" (1) #6 Step Drill Bit, 3/8" & 1/2" (1) #7 Step Drill Bit, 7/8" Single Hole (1) #8 Step Drill Bit, 1/2" – 1" (1) #9 Step Drill Bit, 7/8" & 1-1/8" (1) Carrying Case	48-89-9224
 <b>10 PC</b> Step and Drill Bit Set	(1) #1 Step Drill Bit, 1/8" – 1/2" (1) #4 Step Drill Bit, 3/16" – 7/8" (2) 1/16" THUNDERBOLT® Black Oxide Drill Bits (2) 3/32" THUNDERBOLT® Black Oxide Drill Bits (2) 1/8" THUNDERBOLT® Black Oxide Drill Bits (2) 3/16" THUNDERBOLT® Black Oxide Drill Bits (1) Carrying Case	48-89-9222

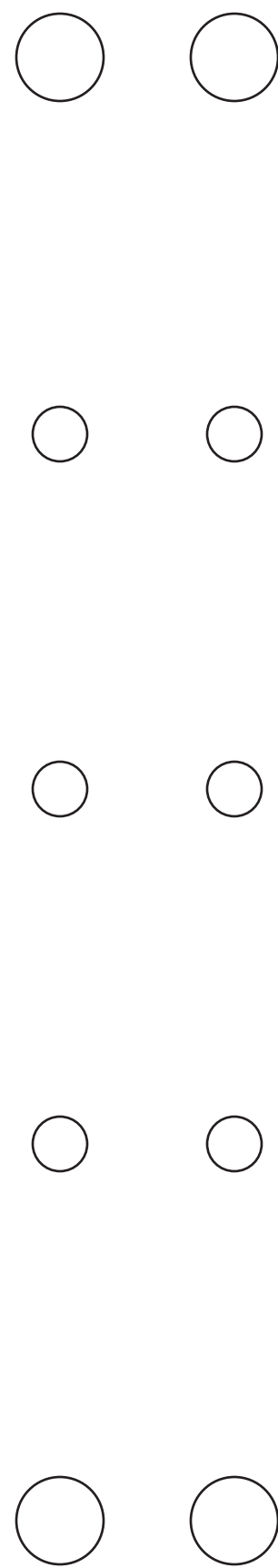
**JAM-FREE METRIC STEP DRILL BITS**
**JAM-FREE METRIC STEP DRILL BITS**

Description	Number of Holes	Part No.
Step Drill Bit 4 mm – 12 mm	9	48-89-9301
Step Drill Bit 4 mm – 12 mm	5	48-89-9302
Step Drill Bit 4 mm – 20 mm	9	48-89-9320
Step Drill Bit PG7-PG21 (28 mm)	9	48-89-9321

Description	Number of Holes	Part No.
Step Drill Bit M6-M32 (32.5 mm)	13	48-89-9332
Step Drill Bit 6 mm – 35 mm	14	48-89-9335
Step Drill Bit 6 mm – 40.5 mm	17	48-89-9340

**JAM-FREE METRIC STEP DRILL BIT SET**

Description	Includes	Part No.
 <b>3 PC</b> Metric Step Drill Bit Set	(1) 4-12mm Step Drill Bit (1) 4-20mm Step Drill Bit (1) 6-35mm Step Drill Bit	48-89-9399


**TWIST DRILL BITS**
**SHOCKWAVE IMPACT DUTY™ RED HELIX™ TITANIUM HEX DRILL BITS**
**OVERVIEW**

SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bits are engineered for use in Impacts and Drill/Drivers. RED HELIX™ Drill Bits feature a QUAD EDGE™ Tip designed with four cutting edges that help decrease heat buildup and allow for faster drilling. These bits also feature an Enhanced Tapered Web, strengthening the bits' cores to increase flute durability, and a Variable Helix flute including an aggressive 35 degree Helix Angle which ends at 15 degrees. Designed to provide precision starts and prevent walking for fast, accurate holes in Wood, PVC and Mild Steel, Shockwave RED HELIX™ Titanium Drill Bits provide up to 5X life vs. Black Oxide Drill Bits. Choose from single drill bit sizes ranging from 1/16" to 1/2" or from several drill bit sets.

**FEATURES**

- 5X Longer Life vs. Black Oxide Drill Drills
- Ability to drill through wood, PVC, mild steel
- SHOCKWAVE Impact Duty™ Bits: 1/4" Hex Shank for use with an impact driver or drill


**SHOCKWAVE**  
IMPACT DUTY™

**SHOCKWAVE IMPACT DUTY™ RED HELIX™ TITANIUM HEX DRILL BITS**




Diameter	VARIABLE HELIX	QUAD EDGE™	Shank	Part No.
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"	X		1/4" Hex	48-89-4605
9/64"	X		1/4" Hex	48-89-4606
5/32"	X		1/4" Hex	48-89-4607
11/64"	X		1/4" Hex	48-89-4608
3/16"	X	X	1/4" Hex	48-89-4609
13/64"	X	X	1/4" Hex	48-89-4610
7/32"	X	X	1/4" Hex	48-89-4611
15/64"	X	X	1/4" Hex	48-89-4612
1/4"	X	X	1/4" Hex	48-89-4613
17/64"	X	X	1/4" Hex	48-89-4614
9/32"	X	X	1/4" Hex	48-89-4615

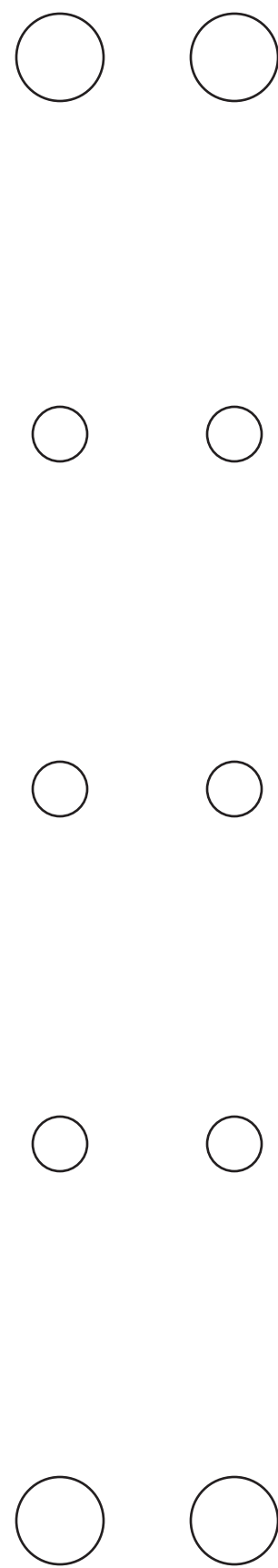
Diameter	VARIABLE HELIX	QUAD EDGE™	Shank	Part No.
19/64"	X	X	1/4" Hex	48-89-4616
5/16"	X	X	1/4" Hex	48-89-4617
21/64"	X	X	1/4" Hex	48-89-4618
11/32"	X	X	1/4" Hex	48-89-4619
23/64"	X	X	1/4" Hex	48-89-4620
3/8"	X	X	1/4" Hex	48-89-4621
25/64"	X	X	1/4" Hex	48-89-4622
13/32"	X	X	1/4" Hex	48-89-4623
27/64"	X	X	1/4" Hex	48-89-4624
7/16"	X	X	1/4" Hex	48-89-4625
29/64"	X	X	1/4" Hex	48-89-4626
15/32"	X	X	1/4" Hex	48-89-4627
31/64"	X	X	1/4" Hex	48-89-4628
1/2"	X	X	1/4" Hex	48-89-4629





**SHOCKWAVE IMPACT DUTY™ RED HELIX™ TITANIUM HEX DRILL BIT SETS – METRIC**

Description	Includes	Part No.
 <b>19 PC</b> Metric SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bit Set	(1) 2 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 2.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 3 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 4 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 4.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 6 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 6.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 8 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 8.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 10 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™	48-89-4860
 <b>25 PC</b> Metric SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bit Set	(1) 2 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 2.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 3 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 4 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 4.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 6 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 6.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 8 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 8.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 10 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 10.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 11 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 11.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 12 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 12.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 13 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™	48-89-4861
 <b>29 PC</b> Metric SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bit Set	(1) 2 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 2.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 3 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3.2 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 3.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (2) 4 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 4.2 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 4.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 4.8 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 5.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 6 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 6.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 6.8 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 7.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 8 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 8.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 9.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 10 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 10.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 11 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 11.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 12 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 12.5 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™ (1) 13 mm Metric Titanium SHOCKWAVE Impact Duty™ RED HELIX™	48-89-4862


**RED HELIX™ COBALT DRILL BITS**
**OVERVIEW**

RED HELIX™ Cobalt Drill Bits are engineered for extreme durability and longer life in hard metal applications. RED HELIX™ Cobalt Drill Bits feature a QUAD EDGE™ Tip designed with four cutting edges that help decrease heat buildup and allow for faster drilling. These bits also feature an Enhanced Tapered Web, strengthening the bits' cores to increase flute durability, and a Variable Helix flute including an aggressive 35 degree Helix Angle which ends at 15 degrees. Designed to provide precision starts and prevent walking for fast, accurate holes in Wood, PVC, Mild Steel and Stainless Steel, RED HELIX™ Cobalt Drill Bits provide up to 15X life vs. Black Oxide Drill Bits. Choose from single drill bit sizes ranging from 1/16" to 1/2" or from several drill bit sets.


**FEATURES**

- 15X Longer Life vs. Black Oxide Drill Bits
- Ability to drill through wood, PVC, mild steel and stainless steel
- NEW Features including, QUAD EDGE™ Tip, Enhanced Tapered Web and Variable Helix

**RED HELIX™ COBALT DRILL BITS**

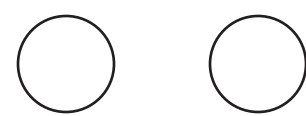
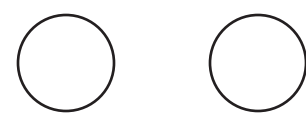
Diameter	VARIABLE HELIX	QUAD EDGE™	Shank	Part No.
1/16"			Round	48-89-2301
5/64"			Round	48-89-2302
3/32"			Round	48-89-2303
7/64"			Round	48-89-2304
1/8"	X		Round	48-89-2305
9/64"	X		Round	48-89-2306
5/32"	X		Round	48-89-2307
11/64"	X		Round	48-89-2308
3/16"	X	X	3-Flat	48-89-2309
13/64"	X	X	3-Flat	48-89-2310
7/32"	X	X	3-Flat	48-89-2311
15/64"	X	X	3-Flat	48-89-2312
1/4"	X	X	3-Flat	48-89-2313
17/64"	X	X	3-Flat	48-89-2314
9/32"	X	X	3-Flat	48-89-2315


Diameter	VARIABLE HELIX	QUAD EDGE™	Shank	Part No.
19/64"	X	X	3-Flat	48-89-2316
5/16"	X	X	3-Flat	48-89-2317
21/64"	X	X	3-Flat	48-89-2318
11/32"	X	X	3-Flat	48-89-2319
23/64"	X	X	3-Flat	48-89-2320
3/8"	X	X	3-Flat	48-89-2321
25/64"	X	X	3-Flat Reduced 3/8"	48-89-2322
13/32"	X	X	3-Flat Reduced 3/8"	48-89-2323
27/64"	X	X	3-Flat Reduced 3/8"	48-89-2324
7/16"	X	X	3-Flat Reduced 3/8"	48-89-2325
29/64"	X	X	3-Flat Reduced 3/8"	48-89-2326
15/32"	X	X	3-Flat Reduced 3/8"	48-89-2327
31/64"	X	X	3-Flat Reduced 3/8"	48-89-2328
1/2"	X	X	3-Flat Reduced 3/8"	48-89-2329

**RED HELIX™ COBALT DRILL BITS - METRIC**
**RED HELIX™ COBALT DRILL BITS – METRIC**



Diameter	VARIABLE HELIX	QUAD EDGE™	Shank	Part No.
1 mm			Round	48-89-2501
1.5 mm			Round	48-89-2502
2 mm			Round	48-89-2503
2.5 mm			Round	48-89-2504
3 mm	X		Round	48-89-2505
3.2 mm	X		Round	48-89-2506
3.5 mm	X		Round	48-89-2507
4 mm	X		Round	48-89-2508
4.2 mm	X		Round	48-89-2509
4.5 mm	X		Round	48-89-2510
4.8 mm	X	X	3-Flat	48-89-2511
5 mm	X	X	3-Flat	48-89-2512
5.5 mm	X	X	3-Flat	48-89-2513
6 mm	X	X	3-Flat	48-89-2514
6.5 mm	X	X	3-Flat	48-89-2515

Diameter	VARIABLE HELIX	QUAD EDGE™	Shank	Part No.
6.8 mm	X	X	3-Flat	48-89-2516
7 mm	X	X	3-Flat	48-89-2517
7.5 mm	X	X	3-Flat	48-89-2518
8 mm	X	X	3-Flat	48-89-2519
8.5 mm	X	X	3-Flat	48-89-2520
9 mm	X	X	3-Flat	48-89-2521
9.5 mm	X	X	3-Flat	48-89-2522
10 mm	X	X	3-Flat	48-89-2523
10.5 mm	X	X	3-Flat Reduced 3/8"	48-89-2524
11 mm	X	X	3-Flat Reduced 3/8"	48-89-2525
11.5 mm	X	X	3-Flat Reduced 3/8"	48-89-2526
12 mm	X	X	3-Flat Reduced 3/8"	48-89-2527
12.5 mm	X	X	3-Flat Reduced 3/8"	48-89-2528
13 mm	X	X	3-Flat Reduced 3/8"	48-89-2529




**RED HELIX™ COBALT DRILL BIT SETS**

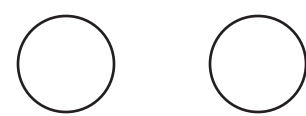
Description	Includes	Part No.
 <b>29 PC</b> RED HELIX™ Cobalt Drill Bit Set	(1) 1/16" Cobalt RED HELIX™ Drill Bit (1) 5/64" Cobalt RED HELIX™ Drill Bit (1) 3/32" Cobalt RED HELIX™ Drill Bit (1) 7/64" Cobalt RED HELIX™ Drill Bit (1) 1/8" Cobalt RED HELIX™ Drill Bit (1) 9/64" Cobalt RED HELIX™ Drill Bit (1) 5/32" Cobalt RED HELIX™ Drill Bit (1) 11/64" Cobalt RED HELIX™ Drill Bit (1) 3/16" Cobalt RED HELIX™ Drill Bit (1) 13/64" Cobalt RED HELIX™ Drill Bit (1) 7/32" Cobalt RED HELIX™ Drill Bit (1) 15/64" Cobalt RED HELIX™ Drill Bit (1) 1/4" Cobalt RED HELIX™ Drill Bit (1) 17/64" Cobalt RED HELIX™ Drill Bit (1) 9/32" Cobalt RED HELIX™ Drill Bit (1) 19/64" Cobalt RED HELIX™ Drill Bit (1) 5/16" Cobalt RED HELIX™ Drill Bit (1) 21/64" Cobalt RED HELIX™ Drill Bit (1) 11/32" Cobalt RED HELIX™ Drill Bit (1) 23/64" Cobalt RED HELIX™ Drill Bit (1) 3/8" Cobalt RED HELIX™ Drill Bit (1) 25/64" Cobalt RED HELIX™ Drill Bit (1) 13/32" Cobalt RED HELIX™ Drill Bit (1) 27/64" Cobalt RED HELIX™ Drill Bit (1) 7/16" Cobalt RED HELIX™ Drill Bit (1) 29/64" Cobalt RED HELIX™ Drill Bit (1) 15/32" Cobalt RED HELIX™ Drill Bit (1) 31/64" Cobalt RED HELIX™ Drill Bit (1) 1/2" Cobalt RED HELIX™ Drill Bit	48-89-2332

**RED HELIX™ COBALT DRILL BIT SETS - METRIC**
**RED HELIX™ COBALT DRILL BIT SETS – METRIC**

Description	Includes	Part No.
 <b>19 PC</b> Metric RED HELIX™ Cobalt Drill Bit Set	(1) 1 mm Cobalt RED HELIX™ Drill Bit (1) 1.5 mm Cobalt RED HELIX™ Drill Bit (1) 2 mm Cobalt RED HELIX™ Drill Bit (1) 2.5 mm Cobalt RED HELIX™ Drill Bit (1) 3 mm Cobalt RED HELIX™ Drill Bit (1) 3.5 mm Cobalt RED HELIX™ Drill Bit (1) 4 mm Cobalt RED HELIX™ Drill Bit (1) 4.5 mm Cobalt RED HELIX™ Drill Bit (1) 5 mm Cobalt RED HELIX™ Drill Bit (1) 5.5 mm Cobalt RED HELIX™ Drill Bit (1) 6 mm Cobalt RED HELIX™ Drill Bit (1) 6.5 mm Cobalt RED HELIX™ Drill Bit (1) 7 mm Cobalt RED HELIX™ Drill Bit (1) 7.5 mm Cobalt RED HELIX™ Drill Bit (1) 8 mm Cobalt RED HELIX™ Drill Bit (1) 8.5 mm Cobalt RED HELIX™ Drill Bit (1) 9 mm Cobalt RED HELIX™ Drill Bit (1) 9.5 mm Cobalt RED HELIX™ Drill Bit (1) 10 mm Cobalt RED HELIX™ Drill Bit	48-89-2530
 <b>25 PC</b> Metric RED HELIX™ Cobalt Drill Bit Set	(1) 1 mm Cobalt RED HELIX™ Drill Bit (1) 1.5 mm Cobalt RED HELIX™ Drill Bit (1) 2 mm Cobalt RED HELIX™ Drill Bit (1) 2.5 mm Cobalt RED HELIX™ Drill Bit (1) 3 mm Cobalt RED HELIX™ Drill Bit (1) 3.5 mm Cobalt RED HELIX™ Drill Bit (1) 4 mm Cobalt RED HELIX™ Drill Bit (1) 4.5 mm Cobalt RED HELIX™ Drill Bit (1) 5 mm Cobalt RED HELIX™ Drill Bit (1) 5.5 mm Cobalt RED HELIX™ Drill Bit (1) 6 mm Cobalt RED HELIX™ Drill Bit (1) 6.5 mm Cobalt RED HELIX™ Drill Bit (1) 7 mm Cobalt RED HELIX™ Drill Bit (1) 7.5 mm Cobalt RED HELIX™ Drill Bit (1) 8 mm Cobalt RED HELIX™ Drill Bit (1) 8.5 mm Cobalt RED HELIX™ Drill Bit (1) 9 mm Cobalt RED HELIX™ Drill Bit (1) 9.5 mm Cobalt RED HELIX™ Drill Bit (1) 10 mm Cobalt RED HELIX™ Drill Bit (1) 10.5 mm Cobalt RED HELIX™ Drill Bit (1) 11 mm Cobalt RED HELIX™ Drill Bit (1) 11.5 mm Cobalt RED HELIX™ Drill Bit (1) 12 mm Cobalt RED HELIX™ Drill Bit (1) 12.5 mm Cobalt RED HELIX™ Drill Bit (1) 13 mm Cobalt RED HELIX™ Drill Bit	48-89-2531

**RED HELIX™ COBALT DRILL BIT SETS**
**RED HELIX™ COBALT DRILL BIT SETS**

Description	Includes	Part No.
 <b>15 PC</b> RED HELIX™ Cobalt Drill Bit Set	(2) 1/16" Cobalt RED HELIX™ Drill Bits (1) 5/64" Cobalt RED HELIX™ Drill Bit (1) 3/32" Cobalt RED HELIX™ Drill Bit (1) 7/64" Cobalt RED HELIX™ Drill Bit (2) 1/8" Cobalt RED HELIX™ Drill Bits (1) 9/64" Cobalt RED HELIX™ Drill Bit (1) 5/32" Cobalt RED HELIX™ Drill Bit (1) 3/16" Cobalt RED HELIX™ Drill Bit (1) 7/32" Cobalt RED HELIX™ Drill Bit (2) 1/4" Cobalt RED HELIX™ Drill Bits (1) 5/16" Cobalt RED HELIX™ Drill Bit (1) 3/8" Cobalt RED HELIX™ Drill Bit	48-89-2331
 <b>23 PC</b> RED HELIX™ Cobalt Drill Bit Set	(2) 1/16" Cobalt RED HELIX™ Drill Bits (2) 5/64" Cobalt RED HELIX™ Drill Bits (1) 3/32" Cobalt RED HELIX™ Drill Bit (2) 7/64" Cobalt RED HELIX™ Drill Bits (2) 1/8" Cobalt RED HELIX™ Drill Bits (2) 9/64" Cobalt RED HELIX™ Drill Bits (2) 5/32" Cobalt RED HELIX™ Drill Bits (1) 11/64" Cobalt RED HELIX™ Drill Bit (2) 3/16" Cobalt RED HELIX™ Drill Bits (1) 13/64" Cobalt RED HELIX™ Drill Bit (1) 7/32" Cobalt RED HELIX™ Drill Bit (1) 15/64" Cobalt RED HELIX™ Drill Bit (2) 1/4" Cobalt RED HELIX™ Drill Bits (1) 5/16" Cobalt RED HELIX™ Drill Bit (1) 3/8" Cobalt RED HELIX™ Drill Bit	48-89-2338



TWIST DRILL BITS

**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 buildup 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, THUNDERBOLT® Titanium-Coated Bits require less effort to drill through wood, metal and PVC, and are highly recommended for use with portable drills.

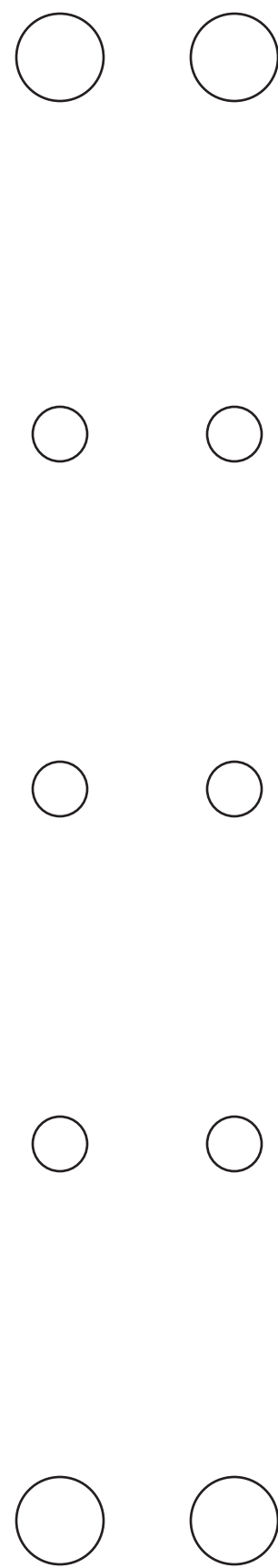
**FEATURES**




- 3X Longer Life
- 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	Part No.
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"	3-Flat	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

Diameter	Shank	Part No.
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-Flat Reduced 3/8"	48-89-2222
13/32"	3-Flat Reduced 3/8"	48-89-2223
27/64"	3-Flat Reduced 3/8"	48-89-2224
7/16"	3-Flat Reduced 3/8"	48-89-2225
29/64"	3-Flat Reduced 3/8"	48-89-2226
15/32"	3-Flat Reduced 3/8"	48-89-2227
31/64"	3-Flat Reduced 3/8"	48-89-2228
1/2"	3-Flat Reduced 3/8"	48-89-2229


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

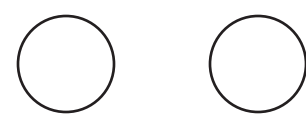
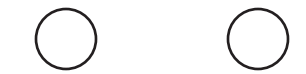
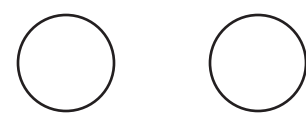
Description	Includes	Part No.
 <b>14 PC THUNDERBOLT® Titanium-Coated Drill Bit Set</b>	(1) 1/16" THUNDERBOLT® Titanium-Coated Drill Bit (1) 5/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 3/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 7/64" THUNDERBOLT® Titanium-Coated Drill Bit (2) 1/8" THUNDERBOLT® Titanium-Coated Drill Bits (1) 9/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 5/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 3/16" THUNDERBOLT® Titanium-Coated Drill Bit (1) 7/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 1/4" THUNDERBOLT® Titanium-Coated Drill Bit (1) 5/16" THUNDERBOLT® Titanium-Coated Drill Bit (1) 3/8" THUNDERBOLT® Titanium-Coated Drill Bit (1) 1/2" THUNDERBOLT® Titanium-Coated Drill Bit	48-89-0011
 <b>20 PC THUNDERBOLT® Titanium-Coated Drill Bit Set</b>	(2) 1/16" THUNDERBOLT® Titanium-Coated Drill Bits (2) 5/64" THUNDERBOLT® Titanium-Coated Drill Bits (2) 3/32" THUNDERBOLT® Titanium-Coated Drill Bits (2) 7/64" THUNDERBOLT® Titanium-Coated Drill Bits (2) 1/8" THUNDERBOLT® Titanium-Coated Drill Bits (1) 9/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 5/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 11/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 3/16" THUNDERBOLT® Titanium-Coated Drill Bit (1) 13/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 7/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 1/4" THUNDERBOLT® Titanium-Coated Drill Bit (1) 5/16" THUNDERBOLT® Titanium-Coated Drill Bit (1) 3/8" THUNDERBOLT® Titanium-Coated Drill Bit (1) 1/2" THUNDERBOLT® Titanium-Coated Drill Bit	48-89-1105
 <b>29 PC THUNDERBOLT® Titanium-Coated Drill Bit Set</b>	(1) 1/16" THUNDERBOLT® Titanium-Coated Drill Bit (1) 5/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 3/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 7/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 1/8" THUNDERBOLT® Titanium-Coated Drill Bit (1) 9/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 5/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 11/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 3/16" THUNDERBOLT® Titanium-Coated Drill Bit (1) 13/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 7/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 15/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 1/4" THUNDERBOLT® Titanium-Coated Drill Bit (1) 17/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 9/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 19/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 5/16" THUNDERBOLT® Titanium-Coated Drill Bit (1) 21/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 11/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 23/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 3/8" THUNDERBOLT® Titanium-Coated Drill Bit (1) 25/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 13/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 27/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 7/16" THUNDERBOLT® Titanium-Coated Drill Bit (1) 29/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 15/32" THUNDERBOLT® Titanium-Coated Drill Bit (1) 31/64" THUNDERBOLT® Titanium-Coated Drill Bit (1) 1/2" THUNDERBOLT® Titanium-Coated Drill Bit	48-89-0012

**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, THUNDERBOLT® Black Oxide Bits require less effort to drill through metal, wood and PVC, and are highly recommended for use with portable drills.

**FEATURES**

- 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	-
7/64"	3-Flat	48-89-2723	-	48-89-2833
9/32"	3-Flat	48-89-2724	-	48-89-2834
9/64"	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
11/32"	3-Flat	48-89-2728	-	48-89-2838


**THUNDERBOLT® BLACK OXIDE DRILL BITS**

Diameter	Shank	1 Pack	12 Pack	6 Pack
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 SETS**
**THUNDERBOLT® BLACK OXIDE DRILL BIT SETS**

Description	Includes	Part No.
 <p><b>15 PC THUNDERBOLT® Black Oxide Drill Bit Set</b></p>	(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
 <p><b>21 PC THUNDERBOLT® Black Oxide Drill Bit Set</b></p>	(2) 1/16" THUNDERBOLT® Black Oxide Drill Bits (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 Bits (1) 15/64" THUNDERBOLT® Black Oxide Drill Bit (2) 1/8" THUNDERBOLT® Black Oxide Drill Bits (2) 3/16" THUNDERBOLT® Black Oxide Drill Bits (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 Bits (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

**TWIST DRILL BITS**
**THUNDERBOLT® BLACK OXIDE DRILL BIT SETS**

Description	Includes	Part No.
 <b>29 PC THUNDERBOLT® Black Oxide Drill Bit Set</b>	(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 (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	48-89-2802

**S & D TITANIUM DRILL BITS**
**OVERVIEW**

MILWAUKEE® Titanium Silver and Deming Drill Bits are engineered for all jobsite drilling applications. Designed with a 1/2" SECURE GRIP™ shank to prevent chuck slippage and 135° split point tip for no walking, which delivers increased accuracy.

**FEATURES**

- 135° Split Point Tip: Precision start, no walking
- Titanium Coating: Increased durability
- SECURE GRIP™: Prevents bit from slipping in chuck


**S & D TITANIUM DRILL BITS**

Diameter	Shank	Part No.
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

**S & D BLACK OXIDE DRILL BITS**
**OVERVIEW**

MILWAUKEE® Silver and Deming 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


**TWIST DRILL BITS**
**S & D BLACK OXIDE DRILL BITS**

Diameter	Shank	Part No.
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

Diameter	Shank	Part No.
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
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**

- Fast, Accurate Drilling: 135° split point tip starts on contact to prevent walking
- Reduced Slipping: 3-Flat SECURE GRIP™ shank holds the bit firmly in the drill chuck
- 12 inch Length for hard to reach areas

**AIRCRAFT LENGTH BLACK OXIDE DRILL BITS**

Diameter	Shank	Part No.
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

Diameter	Shank	Part No.
3/8"	3-Flat	48-89-2774
7/16"	3-Flat	48-89-2775
1/2"	3-Flat	48-89-2776

**SHOCKWAVE IMPACT DUTY™ DRILL TAPS**
**OVERVIEW**

MILWAUKEE® SHOCKWAVE Impact Duty™ Drill Taps combine drilling and tapping applications in metal materials up to 1/4". Designed for use in Impacts or Drill/Drivers, each bit features laser-etched sizing for easy identification.



**FEATURES**

- Features a countersink
- Laser-etched Size: Easy size identification
- 1/4" Quick Change Hex Shank


**SHOCKWAVE IMPACT DUTY™ DRILL TAPS**

Description	Part No.
8-32 UNC Impact Drill Tap	48-89-4870
5/16-18 UNC Impact Drill Tap	48-89-4871
10-24 UNC Impact Drill Tap	48-89-4872
1/4-20 UNC Impact Drill Tap	48-89-4873

**SHOCKWAVE IMPACT DUTY™ DRILL TAP SETS**

Description	Includes	Part No.
 <b>5 PC</b> SHOCKWAVE Impact Duty™ SAE Drill Tap Set	(1) 8 – 32 UNC (1) 10 – 24 UNC (1) 10 – 32 UNF (1) 12 – 24 UNC (1) 1/4 – 20 UNC	48-89-4874
 <b>5 PC</b> SHOCKWAVE Impact Duty™ Metric Drill Tap Set	(1) M4 (1) M5 (1) M6 (1) M8 (1) M10	48-89-4875

**NEW**
**SHOCKWAVE IMPACT DUTY™ LINEMAN'S FIBERGLASS DRILL BITS**
**OVERVIEW**

The SHOCKWAVE Impact Duty™ Lineman's Fiberglass Drill Bits are engineered for fiberglass and composite power utility arms and poles. Our carbide tip design allows linemen to make faster cuts while maintaining best life. They are available in 12" and 22" lengths. These length assortments can pass through power utility poles and arms in a single pass, which eliminates the need to flip over the pole, line up the holes and drill through the other side. The 7/16" hex shank allows for quick connection. Pair this accessory with our 2865-20 for ultimate performance in Fiberglass/Composite poles and arms.

**FEATURES**

- Engineered for Fiberglass and Composite power utility arms and poles
- Best Life in fiberglass and composite with our Carbide Tip design
- Optimized Bit Length: Straight through holes


**SHOCKWAVE IMPACT DUTY™ LINEMAN'S FIBERGLASS DRILL BITS**

Description	Part No.
9/16" SHOCKWAVE Impact Duty™ Lineman's 12" Fiberglass Drill Bit	48-13-7703
11/16" SHOCKWAVE Impact Duty™ Lineman's 12" Fiberglass Drill Bit	48-13-7705
13/16" SHOCKWAVE Impact Duty™ Lineman's 12" Fiberglass Drill Bit	48-13-7707
15/16" SHOCKWAVE Impact Duty™ Lineman's 12" Fiberglass Drill Bit	48-13-7709
11/16" SHOCKWAVE Impact Duty™ Lineman's 22" Fiberglass Drill Bit	48-13-7805
13/16" SHOCKWAVE Impact Duty™ Lineman's 22" Fiberglass Drill Bit	48-13-7807
15/16" SHOCKWAVE Impact Duty™ Lineman's 22" Fiberglass Drill Bit	48-13-7809

TWIST DRILL BITS

**ANNULAR CUTTERS**
**HIGH SPEED STEEL ANNULAR CUTTERS**
**OVERVIEW**

Dual alternating tooth geometry and thin-wall construction help MILWAUKEE's High Speed Steel Annular Cutter cut up to 15% faster than the competition. With 20% thinner walls, the cutter displaces less material for the same size hole, giving you fast, burr-free holes in anything from sheet metal to thick steel plate. MILWAUKEE's proprietary high speed steel with three hardness zones minimizes breakage and helps the bit last longer. It comes with a 3/4" Weldon shank, which is ideal for use with most small magnetic drill presses and large magnetic drill presses with the correct arbor.


**FEATURES**

- 15% Faster Cutting: Thinner wall construction displaces less material
- Long Lasting: Proprietary steel with three hardness zones reduces breakage and extends bit life
- Versatile Design: One retractable pilot pin works for all 1" sizes and another works for all 2" sizes

**HIGH SPEED STEEL ANNULAR CUTTERS**

Diameter	Cutting Depth	Shank	Material	Part No.
1/2"	1"	3/4" Weldon		49-59-0500
9/16"	1"	3/4" Weldon		49-59-0562
5/8"	1"	3/4" Weldon		49-59-0625
11/16"	1"	3/4" Weldon		49-59-0687
3/4"	1"	3/4" Weldon		49-59-0750
13/16"	1"	3/4" Weldon		49-59-0812
7/8"	1"	3/4" Weldon		49-59-0875
15/16"	1"	3/4" Weldon		49-59-0937
1"	1"	3/4" Weldon		49-59-1000
1-1/16"	1"	3/4" Weldon		49-59-1062
1-1/8"	1"	3/4" Weldon		49-59-1125
1-3/16"	1"	3/4" Weldon		49-59-1187
1-1/4"	1"	3/4" Weldon		49-59-1250
1-5/16"	1"	3/4" Weldon		49-59-1312
1-3/8"	1"	3/4" Weldon		49-59-1375
1-7/16"	1"	3/4" Weldon		49-59-1437
1-1/2"	1"	3/4" Weldon		49-59-1500
1-9/16"	1"	3/4" Weldon		49-59-1562

Diameter	Cutting Depth	Shank	Material	Part No.
1-5/8"	1"	3/4" Weldon		49-59-1625
1-11/16"	1"	3/4" Weldon		49-59-1687
1-3/4"	1"	3/4" Weldon		49-59-1750
1-13/16"	1"	3/4" Weldon		49-59-1812
1-7/8"	1"	3/4" Weldon		49-59-1875
1-15/16"	1"	3/4" Weldon		49-59-1937
2"	1"	3/4" Weldon		49-59-2000
2-1/16"	1"	3/4" Weldon		49-59-2006
2-1/8"	1"	3/4" Weldon		49-59-2012
2-3/16"	1"	3/4" Weldon		49-59-2018
2-1/4"	1"	3/4" Weldon		49-59-2025
1/2"	2"	3/4" Weldon		49-59-2050
9/16"	2"	3/4" Weldon		49-59-2056
5/8"	2"	3/4" Weldon		49-59-2063
11/16"	2"	3/4" Weldon		49-59-2069
3/4"	2"	3/4" Weldon		49-59-2075
13/16"	2"	3/4" Weldon		49-59-2081
7/8"	2"	3/4" Weldon		49-59-2089

**HIGH SPEED STEEL ANNULAR CUTTERS**

Diameter	Cutting Depth	Shank	Material	Part No.
15/16"	2"	3/4" Weldon		49-59-2094
1"	2"	3/4" Weldon		49-59-2100
1-1/16"	2"	3/4" Weldon		49-59-2106
1-1/8"	2"	3/4" Weldon		49-59-2113
1-3/16"	2"	3/4" Weldon		49-59-2119
1-1/4"	2"	3/4" Weldon		49-59-2125
1-5/16"	2"	3/4" Weldon		49-59-2131
1-3/8"	2"	3/4" Weldon		49-59-2138
1-7/16"	2"	3/4" Weldon		49-59-2144
1-1/2"	2"	3/4" Weldon		49-59-2150
1-9/16"	2"	3/4" Weldon		49-59-2156

Diameter	Cutting Depth	Shank	Material	Part No.
1-5/8"	2"	3/4" Weldon		49-59-2163
1-11/16"	2"	3/4" Weldon		49-59-2169
1-3/4"	2"	3/4" Weldon		49-59-2175
1-13/16"	2"	3/4" Weldon		49-59-2181
1-7/8"	2"	3/4" Weldon		49-59-2188
1-15/16"	2"	3/4" Weldon		49-59-2194
2"	2"	3/4" Weldon		49-59-2200
2-1/16"	2"	3/4" Weldon		49-59-2206
2-1/8"	2"	3/4" Weldon		49-59-2212
2-3/16"	2"	3/4" Weldon		49-59-2218
2-1/4"	2"	3/4" Weldon		49-59-2225

**HIGH SPEED STEEL ANNULAR CUTTER SETS**
**HIGH SPEED STEEL ANNULAR CUTTER SETS**

Description	Cutting Depth	Shank	Includes	Part No.
<b>6 PC</b> 1" High Speed Steel Annular Cutter Set	1"	3/4" Weldon	(1) 9/16" Annular Cutter (1) 5/8" Annular Cutter (1) 11/16" Annular Cutter (1) 13/16" Annular Cutter  (1) 15/16" Annular Cutter (1) 1-1/16" Annular Cutter (1) Retractable Pilot Pin	49-22-8400
<b>9 PC</b> 2" High Speed Steel Annular Cutter Set	2"	3/4" Weldon	(1) 1/2" Annular Cutter (1) 9/16" Annular Cutter (1) 5/8" Annular Cutter (1) 11/16" Annular Cutter (1) 3/4" Annular Cutter  (1) 13/16" Annular Cutter (1) 7/8" Annular Cutter (1) 15/16" Annular Cutter (1) 1-1/16" Annular Cutter (2) Retractable Pilot Pins	49-22-8410

**TUNGSTEN CARBIDE TIPPED ANNULAR CUTTERS**
**OVERVIEW**

Dual alternating tooth geometry allows MILWAUKEE's Tungsten Carbide Tipped Annular Cutters to displace material quicker and give the user fast, burr-free holes in anything from sheet metal to steel plate. Carbide tipping allows for versatile cutting in mild and hardened steel materials and can cut up to 35% longer than the competition. It comes with a 3/4" Weldon shank, which is the industry standard for most small magnetic drill presses and can be used in large magnetic drill presses with the correct arbor.

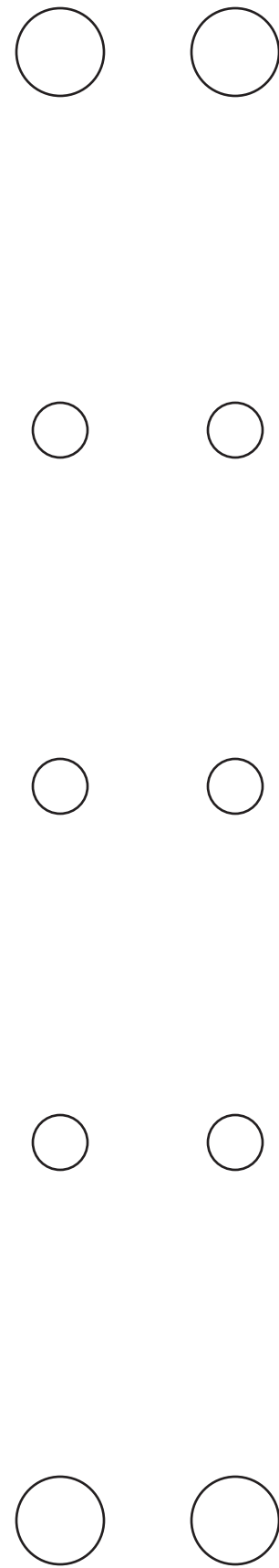

**FEATURES**

- 35% Longer Cutting: Carbide tipping allows for longer life in various forms of steel
- Versatility of Material: Carbide teeth allow for users to cut in mild and hardened steel
- Breadth of Line: (5) indexes at a 1-3/8" depth of cut and (23) indexes at a 2" depth of cut

**TUNGSTEN CARBIDE TIPPED ANNULAR CUTTERS**

Diameter	Cutting Depth	Shank	Material	Part No.
9/16"	1-3/8"	3/4" Weldon		49-59-3056
11/16"	1-3/8"	3/4" Weldon		49-59-3069
13/16"	1-3/8"	3/4" Weldon		49-59-3081
15/16"	1-3/8"	3/4" Weldon		49-59-3094
1-1/16"	1-3/8"	3/4" Weldon		49-59-3106
9/16"	2"	3/4" Weldon		49-59-4056
5/8"	2"	3/4" Weldon		49-59-4063
11/16"	2"	3/4" Weldon		49-59-4069
3/4"	2"	3/4" Weldon		49-59-4075
13/16"	2"	3/4" Weldon		49-59-4081
7/8"	2"	3/4" Weldon		49-59-4089
15/16"	2"	3/4" Weldon		49-59-4094
1"	2"	3/4" Weldon		49-59-4100
1-1/16"	2"	3/4" Weldon		49-59-4106

Diameter	Cutting Depth	Shank	Material	Part No.
1-1/8"	2"	3/4" Weldon		49-59-4113
1-3/16"	2"	3/4" Weldon		49-59-4119
1-1/4"	2"	3/4" Weldon		49-59-4125
1-5/16"	2"	3/4" Weldon		49-59-4131
1-3/8"	2"	3/4" Weldon		49-59-4138
1-7/16"	2"	3/4" Weldon		49-59-4144
1-1/2"	2"	3/4" Weldon		49-59-4150
1-9/16"	2"	3/4" Weldon		49-59-4156
1-5/8"	2"	3/4" Weldon		49-59-4163
1-3/4"	2"	3/4" Weldon		49-59-4175
1-7/8"	2"	3/4" Weldon		49-59-4188
2"	2"	3/4" Weldon		49-59-4200
2-1/8"	2"	3/4" Weldon		49-59-4212
2-1/4"	2"	3/4" Weldon		49-59-4225



**ANNULAR CUTTER ACCESSORIES**

Description	Pack Quantity	Part No.
1-3/8" Tungsten Carbide Tipped Retractable Pilot Pin (13/16" – 1-1/16")	2 Pack	49-59-0013
2" Tungsten Carbide Tipped Retractable Pilot Pin (3/4" – 2-1/4")	2 Pack	49-59-0014
1-3/8" Tungsten Carbide Tipped Retractable Pilot Pin (9/16" – 11/16")	2 Pack	49-59-0015
2" Tungsten Carbide Tipped Retractable Pilot Pin (9/16" – 11/16")	2 Pack	49-59-0016
3/4" Weldon to 1/2" Chuck Adapter with Chuck Key	1 Pack	49-59-0020
Arbor Wrench Set	1 Pack	49-96-0010
HAWG WASH™ Cooling / Lubrication Concentrate (16 oz Bottle)	12 Pack	49-32-0081
HAWG WASH™ Hand Pump	1	44-46-0090
HAWG WASH™ Hand Pump Oil Hose	1	43-75-0010

**CARBIDE HOLE CUTTERS**

**NEW  
ONE-PIECE CARBIDE HOLE CUTTERS  
OVERVIEW**

MILWAUKEE® One-Piece Carbide Hole Cutters feature carbide teeth for longer life and smooth cuts in stainless steel and other hard metals. Each cutter features a stop shoulder design which prevents over-drilling, limiting cuts to a 3/16" depth, while a 3-Flat Shank optimizes each cutter for use in drill/drivers. To ensure clean, efficient cutting, the spring loaded pilot bit provides complete plug ejection upon completion of each hole. The solid one-piece design of each cutter provides added durability and dependability cut after cut. MILWAUKEE® One-Piece Carbide Hole Cutters are available in sizes ranging from 3/4" – 4-1/2".



**FEATURES**

- Carbide Teeth: Longer life and smooth cuts in hard metals
- Stop Shoulder: Prevents over-drilling – limits cuts to 3/16" depth
- Up to 10X Life vs. Standard Hole Saws

**ONE-PIECE CARBIDE HOLE CUTTERS**

Diameter	Cutting Depth	Material	Part No.
3/4"	3/16"		49-57-8605
7/8"	3/16"		49-57-8609
1"	3/16"		49-57-8611
1-1/8"	3/16"		49-57-8615
1-7/32"	3/16"		49-57-8617
1-1/4"	3/16"		49-57-8619
1-3/8"	3/16"		49-57-8623
1-1/2"	3/16"		49-57-8627

Diameter	Cutting Depth	Material	Part No.
1-3/4"	3/16"		49-57-8629
2"	3/16"		49-57-8631
2-1/2"	3/16"		49-57-8639
3"	3/16"		49-57-8643
3-1/2"	3/16"		49-57-8645
4"	3/16"		49-57-8647
4-1/2"	3/16"		49-57-8649

**TUNGSTEN CARBIDE TIPPED ANNULAR CUTTER SETS**

**TUNGSTEN CARBIDE TIPPED ANNULAR CUTTER SETS**

Description	Cutting Depth	Shank	Includes	Part No.
<b>4 PC</b> 1-3/8" Tungsten Carbide Tipped Annular Cutter Set	1-3/8"	3/4" Weldon	(1) 9/16" Annular Cutter (1) 11/16" Annular Cutter (1) 13/16" Annular Cutter (1) 15/16" Annular Cutter (1) Retractable Pilot Pin (9/16" – 11/16") (1) Retractable Pilot Pin (13/16" – 1-1/16")	49-22-8430
<b>8 PC</b> 2" Tungsten Carbide Tipped Annular Cutter Set	2"	3/4" Weldon	(1) 9/16" Annular Cutter (1) 5/8" Annular Cutter (1) 11/16" Annular Cutter (1) 3/4" Annular Cutter (1) 13/16" Annular Cutter (1) 7/8" Annular Cutter (1) 15/16" Annular Cutter (1) 1-1/16" Annular Cutter (1) Retractable Pilot Pin (9/16" – 11/16") (1) Retractable Pilot Pin (3/4" – 2-1/4")	49-22-8440





**ANNULAR CUTTER ACCESSORIES**

**ANNULAR CUTTER ACCESSORIES**

Description	Pack Quantity	Part No.
#3 Morse Taper to 3/4" Chuck	1 Chuck, 1 Arbor	49-22-1550
#3 Morse Taper to Weldon Shank Arbor	1 Pack	49-57-0025
1" High Speed Steel Retractable Pilot Pin	2 Pack	49-59-0011
2" High Speed Steel Retractable Pilot Pin	2 Pack	49-59-0012



**ONE-PIECE CARBIDE HOLE CUTTER KITS**
**ONE-PIECE CARBIDE HOLE CUTTER KITS**

Description	Includes	Material	Part No.
 <b>4 PC</b> One-Piece Carbide Hole Cutter Kit	(1) 7/8" Carbide Cutter (1) 1-1/8" Carbide Cutter (1) 1-3/8" Carbide Cutter (1) Pilot Bit		49-22-8610
 <b>8 PC</b> One-Piece Carbide Hole Cutter Kit	(1) 7/8" Carbide Cutter (1) 1-1/8" Carbide Cutter (1) 1-3/8" Carbide Cutter (1) 1-3/4" Carbide Cutter (1) 2" Carbide Cutter (1) 2-1/2" Carbide Cutter (2) Pilot Bits		49-22-8620

**ONE-PIECE CARBIDE HOLE CUTTER ACCESSORIES**
**ONE-PIECE CARBIDE HOLE CUTTER ACCESSORIES**

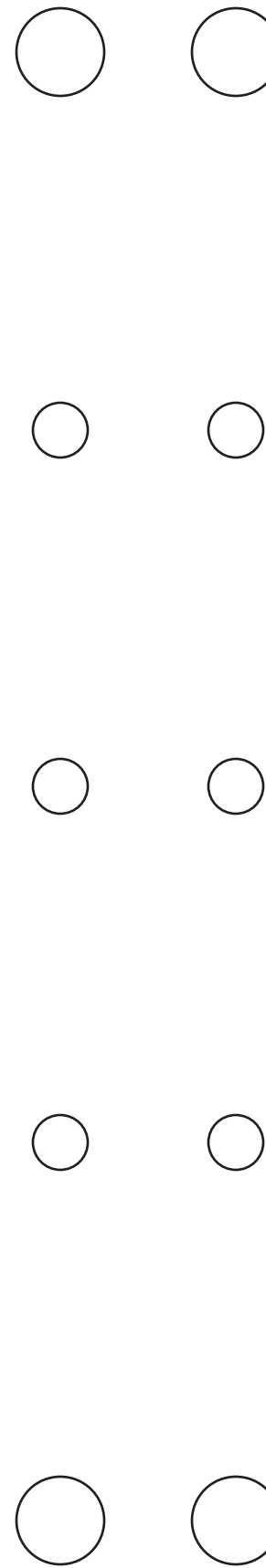
Description	Part No.
One-Piece Carbide Hole Cutter Pilot Bit	49-57-8660










**QUICK CHANGE SHEET METAL CARBIDE HOLE CUTTERS**
**OVERVIEW**










Designed for use in handheld drills in materials up to 3/16", Carbide Tipped Sheet Metal Carbide Cutters produce fine holes in stainless steel or structural steel studs, as well as brass, aluminum and other thin sheet metals. Cutting fluid is recommended. For best results and to keep cutting surface cool and lubricated, use MILWAUKEE® HAWG WASH™ fluid, available in 16 ounce bottles (49-32-0081). Compatible with 3/8" Shank Quick Change Adapter 49-57-0035 (Other Arbor options available).

**FEATURES**





- Clean Holes: Drills burr-free holes
- Long Life: Carbide tips stay sharper longer than high-speed steel or bi-metal cutters
- Versatile: 3/16" Cutting depth


**QUICK CHANGE SHEET METAL CARBIDE HOLE CUTTERS**

Diameter	Cutting Depth	Material	Part No.
3/4"	3/16"		49-57-8305
7/8"	3/16"		49-57-8309
1"	3/16"		49-57-8311
1-1/8"	3/16"		49-57-8315
1-7/32"	3/16"		49-57-8317
1-1/4"	3/16"		49-57-8319
1-5/16"	3/16"		49-57-8321
1-3/8"	3/16"		49-57-8323
1-1/2"	3/16"		49-57-8327

Diameter	Cutting Depth	Material	Part No.
1-7/16"	3/16"		49-57-8325
1-3/4"	3/16"		49-57-8329
2"	3/16"		49-57-8331
2-1/8"	3/16"		49-57-8333
2-1/4"	3/16"		49-57-8335
2-3/8"	3/16"		49-57-8337
2-1/2"	3/16"		49-57-8339
2-5/8"	3/16"		49-57-8341
3"	3/16"		49-57-8343

**QUICK CHANGE SHEET METAL CARBIDE HOLE CUTTER KITS**
**QUICK CHANGE SHEET METAL CARBIDE HOLE CUTTER KITS**

Description	Includes	Material	Part No.
 <b>5 PC</b> Electrician's Sheet Metal Carbide Hole Cutter Kit	(1) 7/8" Carbide Cutter (1) 1-1/8" Carbide Cutter (1) 1-3/8" Carbide Cutter (1) Pilot Bit (1) Quick Change Arbor w/ Pilot Bit		49-22-8300
 <b>7 PC</b> Electrician's Sheet Metal Carbide Hole Cutter Kit	(1) 7/8" Carbide Cutter (1) 1-1/8" Carbide Cutter (1) 1-3/8" Carbide Cutter (1) 1-3/4" Carbide Cutter (1) 2" Carbide Cutter (1) Pilot Bit (1) Quick Change Arbor w/ Pilot Bit		49-22-8310

**QUICK CHANGE STEEL PLATE CARBIDE HOLE CUTTERS**
**OVERVIEW**

Specifically designed to produce drill press quality holes in materials up to 1/2" thick, MILWAUKEE® Carbide tipped Steel Plate Hole Cutters stay sharper longer than High Speed Steel or Bi-Metal Hole Saws. These Hole Cutters can be used in a handheld drill, but a drill press is recommended for materials 3/8" or thicker. Cutting fluid is recommended. For best results and to keep cutting surface cool and lubricated, use MILWAUKEE® HAWG WASH™ fluid, available in 16 ounce bottles (49-32-0081). Compatible with 3/8" Shank Quick Change Adapter 49-57-0035 (Other Arbor options available).

**FEATURES**

- Clean Holes: Drills burr-free holes
- Long Life: Carbide tips stay sharper longer than high-speed steel or bi-metal cutters
- Versatile: 1/2" Cutting depth



**QUICK CHANGE STEEL PLATE CARBIDE HOLE CUTTERS**

Diameter	Cutting Depth	Material	Part No.
11/16"	1/2"		49-57-8201
3/4"	1/2"		49-57-8203
13/16"	1/2"		49-57-8205
7/8"	1/2"		49-57-8207
15/16"	1/2"		49-57-8209
1"	1/2"		49-57-8211
1-1/16"	1/2"		49-57-8213

Diameter	Cutting Depth	Material	Part No.
1-1/8"	1/2"		49-57-8215
1-3/16"	1/2"		49-57-8217
1-1/4"	1/2"		49-57-8219
1-5/16"	1/2"		49-57-8221
1-3/8"	1/2"		49-57-8223
1-7/16"	1/2"		49-57-8225
1-1/2"	1/2"		49-57-8227

**QUICK CHANGE STEEL PLATE CARBIDE HOLE CUTTER KITS**

**QUICK CHANGE STEEL PLATE CARBIDE HOLE CUTTER KITS**

Description	Includes	Material	Part No.
<b>5 PC</b> Contractor's Steel Plate Carbide Hole Cutter Kit	(1) 11/16" Carbide Cutter (1) 13/16" Carbide Cutter (1) 15/16" Carbide Cutter (1) Pilot Bit (1) Quick Change Arbor w/ Pilot Bit		49-22-8200
<b>7 PC</b> Contractor's Steel Plate Carbide Hole Cutter Kit	(1) 11/16" Carbide Cutter (1) 13/16" Carbide Cutter (1) 15/16" Carbide Cutter (1) 1-1/8" Carbide Cutter (1) 1-3/8" Carbide Cutter (1) Pilot Bit (1) Quick Change Arbor w/ Pilot Bit		49-22-8210

**QUICK CHANGE CARBIDE HOLE CUTTER ACCESSORIES**

**QUICK CHANGE CARBIDE HOLE CUTTER ACCESSORIES**

Description	Part No.
3/8" Shank Quick Change Adapter for Sheet Metal & Steel Plate Cutters	49-57-0035
Centering Pin Arbor with Detachable Drill Cap	49-57-0037
Compact Electromagnetic Drill to 1/2" Chuck Adapter	48-66-2125
Drill Cap for 49-57-0037 Arbor	42-52-1015

Description	Part No.
Ejection Spring for 49-57-0035	40-50-8780
HAWG WASH™ Hand Pump	44-46-0090
HAWG WASH™ Hand Pump Oil Hose	43-75-0010
Pilot Bit	49-57-0038

**WOOD BORING BITS**

**BELLHANGER BITS**



**OVERVIEW**

Install small wire systems easily and efficiently with the MILWAUKEE® Bellhanger Bit. Designed for installing all types of small wire systems including computer, security, phone and cable, Bellhanger Bits provide extra reach where needed and a hole in the tip to help pull wires through holes. The bits feature an aggressive tip geometry for faster cutting and non-stick, coated flutes for fast chip removal and reduced binding. The 3-Flat SECURE GRIP™ shank prevents the bits from spinning in the drill chuck. Bellhanger Bits are available in 12", 18" and 24" lengths.

**FEATURES**

- Versatile: Provides a pull-through hole in the tip for easy installation of small wire systems
- High-speed Drilling: Features an aggressive tip geometry and coated flutes for fast cutting and debris removal
- Reduced Slipping: 3-Flat SECURE-GRIP™ shank holds the bit firmly in the drill chuck

**BELLHANGER 12" BITS**

Description	Part No.
1/4" x 12" Bellhanger Bit	48-13-7125
5/16" x 12" Bellhanger Bit	48-13-7131
3/8" x 12" Bellhanger Bit	48-13-7137

**BELLHANGER 18" BITS**

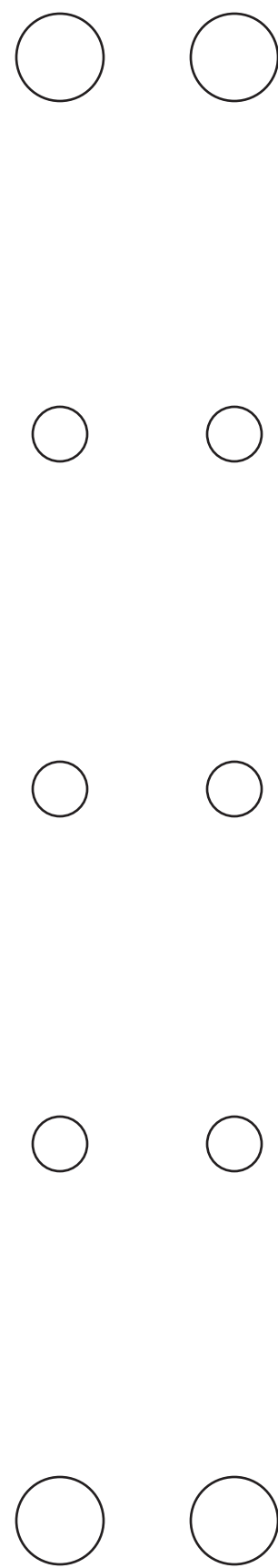
Description	Part No.
3/16" x 18" Bellhanger Bit	48-13-7218
1/4" x 18" Bellhanger Bit	48-13-7225
5/16" x 18" Bellhanger Bit	48-13-7231
3/8" x 18" Bellhanger Bit	48-13-7237
7/16" x 18" Bellhanger Bit	48-13-7243
1/2" x 18" Bellhanger Bit	48-13-7249

**BELLHANGER 24" BITS**

Description	Part No.
1/4" x 24" Bellhanger Bit	48-13-7325
3/8" x 24" Bellhanger Bit	48-13-7337

CARBIDE HOLE CUTTERS

WOOD BORING BITS

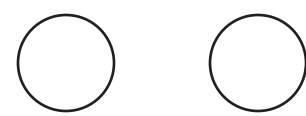


**BRAD POINT BITS**
**OVERVIEW**

MILWAUKEE® Brad Point Bits deliver the most accurate holes in plywood and studs without splinters. The machined tips maintain a sharp cutting edge for longer life on the job. The bits feature 1/4" depth marks for easy visual reference during drilling.

**FEATURES**

- Accurate, Clean Holes: Professionals' choice for drilling in hard and soft woods and plywood
- Long-lasting: Precision-ground tip maintains sharp cutting edge
- 1/4" Depth References: Locate common depths without stopping the drill


**BRAD POINT BITS**

Description	Part No.
Brad Point 1/8" Diameter	48-15-0125
Brad Point 3/16" Diameter	48-15-0185
Brad Point 1/4" Diameter	48-15-0250
Brad Point 5/16" Diameter	48-15-0312

Description	Part No.
Brad Point 3/8" Diameter	48-15-0375
Brad Point 7/16" Diameter	48-15-0437
Brad Point 1/2" Diameter	48-15-0500

**FORSTNER BITS**
**OVERVIEW**

MILWAUKEE® Forstner Bits provide superior results in drilling pocket holes, overlapping holes, or holes on the edge of materials. Forstner Bits feature precision-ground kerf cutters for clean, accurate holes and a polished surface finish that creates flat bottom holes. The bit's round shank reduces runout for more precise wood boring.

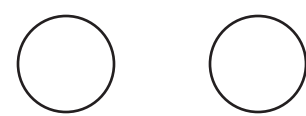
**FEATURES**


- Specially Designed: Ideal for pocket holes, overlapping holes, and holes at the edge
- Clean, Accurate Holes: Fine kerf teeth improve accuracy and deliver clean, smooth results
- Precision Control: Round shank style reduces runout for more precise holes

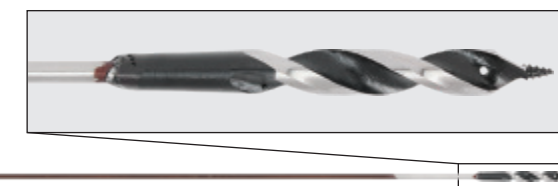

**FORSTNER BITS**

Description	Part No.
3/8" Forstner Bit	48-14-0376
1/2" Forstner Bit	48-14-0501
5/8" Forstner Bit	48-14-0626
3/4" Forstner Bit	48-14-0751

Description	Part No.
1" Forstner Bit	48-14-1001
1-3/8" Forstner Bit	48-14-1374
35 mm Forstner Bit	48-14-1376


**FORSTNER BIT SET**

Description	Includes	Part No.
 <b>4 PC Forstner Bit Set</b>	(1) 1/4" Forstner Bit (1) 1/2" Forstner Bit (1) 5/8" Forstner Bit (1) 3/4" Forstner Bit	48-14-0004

**CABLE BITS**


The MILWAUKEE® Cable Bit is ideal for installing small wire systems in unreachable spaces. Cable Bits have an extra long, flexible steel shaft that lets you reach behind the wall with greater precision and ease when installing all types of small wire systems, including computer, security, phone and cable. The bits feature holes in both ends to pull the wire through after drilling. Use the MILWAUKEE® Placement Guide (48-08-0275) to properly locate the hole within the interior of the wall. Cable Bits are available in 54" and 72" lengths.

**FEATURES**

- Extended Drilling: Extra long, flexible steel shaft permits drilling between and behind walls
- Versatile: Provides pull-through holes in both ends for easy installation of small wire systems
- Reduced Slipping: 3-Flat shank holds the bit firmly in the drill chuck

**CABLE BITS**

Description	Part No.
Cable Bit 3/8" x 54"	48-13-8237
Cable Bit 3/8" x 72"	48-13-8337
Cable Bit 1/2" x 54"	48-13-8250
Cable Bit 1/2" x 72"	48-13-8350

Description	Part No.
Cable Bit 9/16" x 54"	48-13-8256
Cable Bit 9/16" x 72"	48-13-8356
Cable Bit 3/4" x 54"	48-13-8275
Cable Bit 3/4" x 72"	48-13-8375
Placement Guide	48-08-0275

**FLAT BORING BITS**
**OVERVIEW**

Bore small, clean holes at any angle in a variety of materials with the economical MILWAUKEE® Flat Boring Bit. This premium quality Flat Boring Bit is made of heat-treated high-carbon steel, so the drill point and cutting edge can be resharpened for cost savings and long life. Bore clean, fast holes at any angle in wood, plastic, plywood and Formica.





**FEATURES**

- Economical: Drill point and cutting edges can be resharpened for long life
- Clean Holes: Heat-treated carbon steel lets you bore clean holes quickly
- Versatile: Ideal for boring small holes in wood, plastic, plywood and Formica


**FLAT BORING BITS**

Description	4 -1/2" Part No.	6" Part No.	16" Part No.
1/4" Flat Boring Bit	-	48-27-0251	-
5/16" Flat Boring Bit	-	48-27-0311	-
3/8" Flat Boring Bit	-	48-27-0371	48-27-0170
7/16" Flat Boring Bit	-	48-27-0441	-
1/2" Flat Boring Bit	-	48-27-0501	48-27-0175
9/16" Flat Boring Bit	-	48-27-0561	-
5/8" Flat Boring Bit	-	48-27-0621	48-27-0180
11/16" Flat Boring Bit	-	48-27-0681	-
3/4" Flat Boring Bit	-	48-27-0751	48-27-0185
13/16" Flat Boring Bit	-	48-27-0811	-
7/8" Flat Boring Bit	-	48-27-0871	48-27-0190
15/16" Flat Boring Bit	-	48-27-0941	-
1" Flat Boring Bit	-	48-27-1001	48-27-0195
1-1/8" Flat Boring Bit	-	48-27-1121	-
1-1/4" Flat Boring Bit	-	48-27-1251	-
1-3/8" Flat Boring Bit	-	48-27-1371	-
1-1/2" Flat Boring Bit	-	48-27-1501	-
1/2" Stubby Flat Boring Bit	48-27-0005	-	-
5/8" Stubby Flat Boring Bit	48-27-0007	-	-
3/4" Stubby Flat Boring Bit	48-27-0009	-	-
7/8" Stubby Flat Boring Bit	48-27-0011	-	-
1" Stubby Flat Boring Bit	48-27-0013	-	-
1-1/4" Stubby Flat Boring Bit	48-27-0015	-	-
1-1/2" Stubby Flat Boring Bit	48-27-0017	-	-

**FLAT BORING BIT SETS**
**FLAT BORING BIT SETS**

Description	Includes	Part No.
 <b>3 PC</b> Stubby Flat Boring Bit Set	(1) 1/2" Flat Boring Bit (1) 3/4" Flat Boring Bit (1) 1" Flat Boring Bit	48-27-0020
 <b>13 PC</b> Stubby Flat Boring Bit Set	(1) 1/4" Flat Boring Bit (1) 5/16" Flat Boring Bit (1) 3/8" Flat Boring Bit (1) 7/16" Flat Boring Bit (1) 1/2" Flat Boring Bit (1) 9/16" Flat Boring Bit (1) 5/8" Flat Boring Bit (1) 11/16" Flat Boring Bit (1) 3/4" Flat Boring Bit (1) 13/16" Flat Boring Bit (1) 7/8" Flat Boring Bit (1) 15/16" Flat Boring Bit (1) 1" Flat Boring Bit	48-27-1520
 <b>6 PC</b> 6" Universal Flat Boring Bit Set	(1) 3/8" Flat Boring Bit (1) 1/2" Flat Boring Bit (1) 5/8" Flat Boring Bit (1) 3/4" Flat Boring Bit (1) 7/8" Flat Boring Bit (1) 1" Flat Boring Bit	49-22-0071
 <b>8 PC</b> 6" Universal Flat Boring Bit Set	(1) 6" QUIK-LOK™ Extension (1) 3/8" Flat Boring Bit (1) 1/2" Flat Boring Bit (1) 5/8" Flat Boring Bit (1) 3/4" Flat Boring Bit (1) 7/8" Flat Boring Bit (1) 1" Flat Boring Bit (1) 1-1/16" Flat Boring Bit	49-22-0175

**SELFEED BITS**
**OVERVIEW**

MILWAUKEE® Selffeed Drill Bits deliver speed and endurance for repetitive drilling of large holes. Designed for any trade that demands wood cutting for installing pipe and conduit, Selffeed bits bore into wood without pressure while providing fast, clean and accurate holes. The bits have improved balance with reduced runout, while the hex shank provides a secure gripping surface for the drill chuck. Every MILWAUKEE® Selffeed Drill Bit is coated with a rust inhibitor. Built to last and designed to perform, these Selffeed Bits are resharpenable so you can keep them cutting like new. Two feed screws are included.

**FEATURES**



- **Faster, More Accurate Drilling:** Center feed screw pilots the bit and allows the bit to pull through fast
- **Clean Holes:** Inside cutting plane shaves the hole radius for clean, smooth holes without pressure
- **Long-lasting Performance:** Bits are resharpenable and include two removable, replaceable feed screws


**SELFEED BITS**

Description	Part No.
1" Selffeed Bit	48-25-1002
1-1/8" Selffeed Bit	48-25-1122
1-1/4" Selffeed Bit	48-25-1252
1-3/8" Selffeed Bit	48-25-1372
1-1/2" Selffeed Bit	48-25-1502
1-3/4" Selffeed Bit	48-25-1752
2" Selffeed Bit	48-25-2002

Description	Part No.
2-1/8" Selffeed Bit	48-25-2122
2-1/4" Selffeed Bit	48-25-2252
2-9/16" Selffeed Bit	48-25-2562
3" Selffeed Bit	48-25-3001
3-5/8" Selffeed Bit	48-25-3621
4-1/8" Selffeed Bit	48-25-4125
4-5/8" Selffeed Bit	48-25-4621

**SELFEED BIT KITS**

Description	Includes	Part No.
 <b>7 PC Contractor's Selffeed Bit Kit</b>	(1) 1" Selffeed Bit (1) 1-1/8" Selffeed Bit (1) 1-1/4" Selffeed Bit (1) 1-1/2" Selffeed Bit (1) 1-3/4" Selffeed Bit (1) 2-1/8" Selffeed Bit (1) 2-9/16" Selffeed Bit (1) 5-1/2" Extension (1) Carrying Case	49-22-0130
 <b>4 PC Contractor's Selffeed Bit Kit</b>	(1) 1-3/8" Selffeed Bit (1) 1-1/2" Selffeed Bit (1) 2-1/8" Selffeed Bit (1) 2-9/16" Selffeed Bit (1) 5-1/2" Extension (1) Carrying Case	49-22-0135

**SELFEED BIT ACCESSORIES**
**SELFEED BIT ACCESSORIES**

Description	Part No.
1/8" Hex Key for up to 2-9/16" Selffeed Bits	49-96-0060
5/32" Hex Key for 3" & Larger Selffeed Bits	49-96-0070
Feed and Set Screw Accessory Set	48-25-6000
Feed and Set Screw Kit	48-25-7000

Description	Part No.
Feed Screw Coarse Thread	48-28-6870
Feed Screw Single Ended	48-28-6880
Replaceable Shank for 3" & Larger Selffeed Bits	48-07-0201



**SWITCHBLADE™ SELFEED BITS**
**OVERVIEW**

The MILWAUKEE® SWITCHBLADE™ Selffeed Bits drill up to 12% faster and deliver up to 2X longer life. Designed for any trade that demands repetitive cutting of large holes in wood, SWITCHBLADE™ Selffeed Bits allow you to remove and replace blades rather than resharpen. Every quick and convenient change of the hardened steel blade allows for a new bit for less downtime on the job. An aggressive feed screw design enables the bit to pull through quickly for faster drilling. Built to last and designed to perform, SWITCHBLADE™ Selffeed Bits deliver more holes for the money.

**FEATURES**

- **Superior Performance:** Blades are easily replaced to provide a new bit on demand
- **Faster Drilling:** Aggressive feed screw design allows the bit to pull through wood faster
- **Longer Bit Life:** Replaceable blades are made of hardened steel
- **Easy Size Reference:** Bit and blades are engraved for quick and easy size identification


**SELFEED BIT KITS**
**SELFEED BIT KITS**


Description	Includes	Part No.
 <b>3 PC Plumber's Selffeed Bit Set</b>	(1) 1-1/2" Selffeed Bit (1) 2" Selffeed Bit (1) 2-9/16" Selffeed Bit	49-22-0030
 <b>7 PC Plumber's Selffeed Bit Kit</b>	(1) 7/8" Auger Bit (1) 1-1/8" Auger Bit (1) 1-1/4" Auger Bit (1) 1-1/2" Auger Bit (1) 1-3/4" Selffeed Bit (1) 2-1/8" Selffeed Bit (1) 2-9/16" Selffeed Bit (1) 5-1/2" Extension (1) Carrying Case	49-22-0065

**SWITCHBLADE™ SELFEED BITS**

Description	Part No.
1-3/8" SWITCHBLADE™ Selffeed Bit	48-25-5120
1-1/2" SWITCHBLADE™ Selffeed Bit	48-25-5125
2" SWITCHBLADE™ Selffeed Bit	48-25-5135

Description	Part No.
2-1/8" SWITCHBLADE™ Selffeed Bit	48-25-5140
2-1/4" SWITCHBLADE™ Selffeed Bit	48-25-5143
2-9/16" SWITCHBLADE™ Selffeed Bit	48-25-5150

**SWITCHBLADE™ SELFEED BIT KIT**
**SWITCHBLADE™ SELFEED BIT KIT**

Description	Includes	Part No.
 <b>5 PC SWITCHBLADE™ Selffeed Bit Plumber's Kit</b>	(1) 1-3/8" SWITCHBLADE™ Selffeed Bit (1) 1-1/2" SWITCHBLADE™ Selffeed Bit (1) 2-1/8" SWITCHBLADE™ Selffeed Bit (1) 2-9/16" SWITCHBLADE™ Selffeed Bit (1) 7/16" x 5-1/2" QUIK-LOK™ Extension (1) Hex Wrench	49-22-5100

**SWITCHBLADE™ SELFEED BIT COMPATIBILITY**
**SWITCHBLADE™ SELFEED BIT COMPATIBILITY**

Size	1 PC	3 PC	3" Blade Replacement Kit	10 PC Blade Replacement Kit	Replacement Feed Screw Kit	SWITCHBLADE™ Feed Screw Kit
1-3/8"	48-25-5420	48-25-5520	48-25-5220	48-25-5320	48-25-5275	48-25-5280
1-1/2"	48-25-5425	48-25-5525	48-25-5225	48-25-5325		
2"	48-25-5435	48-25-5535	48-25-5235	48-25-5335		
2-1/8"	48-25-5440	48-25-5540	48-25-5240	48-25-5340		
2-1/4"	48-25-5443	48-25-5543	48-25-5243	48-25-5343		
2-9/16"	48-25-5450	48-25-5550	48-25-5250	48-25-5350		

**SHOCKWAVE IMPACT DUTY™ LINEMAN'S AUGER BITS**

**SHOCKWAVE**  
 IMPACT DUTY™

**OVERVIEW**

The SHOCKWAVE Impact Duty™ Lineman's Auger Bits are engineered to deliver cleaner, faster holes in wooden utility poles. They feature a single-spur design, which scores the edge of the hole, creating a cleaner finish that allows bolts to slide through without resistance. The bits are coated with a reinforced anti-friction PTFE coating for overall smoother drilling and easier removal of the bit from the pole. The aggressive feed screw and cutting edge pull the bit through the material while the optimized wide flute geometry quickly ejects the chips to clear the hole and reduce clogs, leading to overall faster drilling speeds.

**FEATURES**

- Engineered for the power utility lineman to drill cleaner, faster holes in wooden utility poles
- Single-Spur Design: Scores the hole for a cleaner finish
- Reinforced Anti-Friction PTFE Coating: Overall smoother drilling

**SHOCKWAVE IMPACT DUTY™ LINEMAN'S AUGER BITS**

Description	18" Part No.	24" Part No.	30" Part No.
3/8" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6700	48-13-6800	-
1/2" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6702	48-13-6802	-
9/16" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6703	48-13-6803	-
5/8" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6704	48-13-6804	48-13-6904
11/16" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6705	48-13-6805	48-13-6905
13/16" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6707	48-13-6807	48-13-6907
15/16" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6709	48-13-6809	48-13-6909
1" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6710	48-13-6810	-
1-1/16" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6711	48-13-6811	-
1-1/8" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6712	48-13-6812	-
1-1/4" SHOCKWAVE Impact Duty™ Lineman's Auger Bit	48-13-6713	48-13-6813	-
11/16" SHOCKWAVE Impact Duty™ Lineman's Auger Bits (25 pk)	48-13-6795	-	-
13/16" SHOCKWAVE Impact Duty™ Lineman's Auger Bits (25 pk)	48-13-6797	-	-
15/16" SHOCKWAVE Impact Duty™ Lineman's Auger Bits (25 pk)	48-13-6799	-	-

**SHIP AUGER BITS**

**OVERVIEW**

The MILWAUKEE® Ship Auger Bit drills through up to 2X the nails of competitive auger bits without needing resharping. Drill into clean or nail-embedded wood with confidence when installing Romex wire, PEX water lines, rebar, bolts and rope in piers, playground equipment and landscaping. The flutes are wider for maximum chip removal, even in deep holes. The polished and coated flute finish means chips won't stick to the bit, even when drilling in material that contains sap or glue. The through-center cutting design creates a more solid striking point against nails compared to the competitions' ahead-of-center and behind-center designs. The longer shaft length makes it easy to drill deeper or overhead without an extension.

**FEATURES**


- Durable: Hardened, one-face 20° rake angle design enhances nail resistance, chip removal and fast, easy sharpening
- Fast Chip Removal: Nonstick, polished and coated flutes eliminate costly cleaning time
- Impact-rated Shank: Optimized for the high torque of impact wrenches

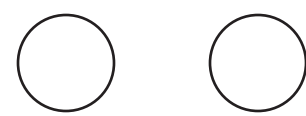
**SHIP AUGER BITS**

Description	6"	18"
3/8" Ship Auger Bit	48-13-0373	48-13-5500
7/16" Ship Auger Bit	-	48-13-5520
1/2" Ship Auger Bit	48-13-0503	48-13-5540
9/16" Ship Auger Bit	-	48-13-5560
5/8" Ship Auger Bit	48-13-0623	48-13-5620
11/16" Ship Auger Bit	48-13-0683	48-13-5680
3/4" Ship Auger Bit	48-13-0753	48-13-5750
13/16" Ship Auger Bit	48-13-0813	48-13-5810

Description	6"	18"
7/8" Ship Auger Bit	48-13-0873	48-13-5870
15/16" Ship Auger Bit	48-13-0933	48-13-5930
1" Ship Auger Bit	48-13-1003	48-13-6000
1-1/16" Ship Auger Bit	48-13-1063	48-13-6010
1-1/8" Ship Auger Bit	48-13-1123	48-13-6120
1-1/4" Ship Auger Bit	48-13-1253	48-13-6250
1-3/8" Ship Auger Bit	48-13-1373	48-13-6370
1-1/2" Ship Auger Bit	48-13-1503	48-13-6500

**SHIP AUGER BIT SET**
**SHIP AUGER BIT SET**

Description	Includes	Part No.
 <b>3 PC</b> 18" Ship Auger Bit Set	(1) 1/2" Ship Auger Bit (1) 3/4" Ship Auger Bit (1) 1" Ship Auger Bit (1) Carrying Case	48-13-3000


**SPEED FEED™ BITS**
**OVERVIEW**

MILWAUKEE® SPEED FEED™ Wood Bits let you drill up to 10X faster than flat boring bits. These self-feeding wood bits feature double wing spurs for drilling fast holes in clean wood. The feed screw and dual cutting edges permit fast cutting of clean holes that are ideal for feeding wire or bolts.

**FEATURES**



- Efficient: Up to 10X faster drilling than flat boring bits
- Fast Chip Removal: Nonstick, polished and coated flutes eliminate costly cleaning time
- Clean Holes: Double wing spurs permit cleaner hole cutting

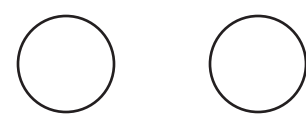

**SPEED FEED™ BITS**

Description	Part No.
1/2" x 6" SPEED FEED™ Wood Bit	48-13-0048
5/8" x 6" SPEED FEED™ Wood Bit	48-13-0058
3/4" x 6" SPEED FEED™ Wood Bit	48-13-0068

Description	Part No.
7/8" x 6" SPEED FEED™ Wood Bit	48-13-0078
1" x 6" SPEED FEED™ Wood Bit	48-13-0088
1-1/4" x 6" SPEED FEED™ Wood Bit	48-13-0108


**SPEED FEED™ BIT SETS**
**SPEED FEED™ BIT SETS**

Description	Includes	Part No.
 <b>4 PC</b> 6" SPEED FEED™ Wood Bit Set	(1) 1/2" x 6" SPEED FEED™ Wood Bit (1) 5/8" x 6" SPEED FEED™ Wood Bit (1) 3/4" x 6" SPEED FEED™ Wood Bit (1) 1" x 6" SPEED FEED™ Wood Bit	48-13-0400
 <b>6 PC</b> 6" SPEED FEED™ Wood Bit Set	(1) 1/2" x 6" SPEED FEED™ Wood Bit (1) 5/8" x 6" SPEED FEED™ Wood Bit (1) 3/4" x 6" SPEED FEED™ Wood Bit (1) 7/8" x 6" SPEED FEED™ Wood Bit (1) 1" x 6" SPEED FEED™ Wood Bit (1) 1-1/4" x 6" SPEED FEED™ Wood Bit	48-13-0600



**SPUR AUGER BITS**

**OVERVIEW**

The MILWAUKEE® Spur Auger Bit features double wing spurs for fast, clean holes in wood. Designed with electricians, plumbers, utilities and other trades in mind, Spur Auger bits are impact-rated, so they're strong enough for a variety of applications. The double wing spurs continually scribe the hole, producing smooth holes without breakout. The polished and coated flute finish means chips won't stick, eliminating time-consuming stops to clean the bit.

**FEATURES**

- Double Wing Spurs: Allow for fast, clean hole cutting
- Fast Chip Removal: Nonstick, polished and coated flutes eliminate costly cleaning time
- Impact-rated Shank: Strong enough to use with an impact wrench




**SPUR AUGER BITS**

Description	Part No.
1/2" x 6-1/2" Spur Auger Bit	48-13-0700
5/8" x 6-1/2" Spur Auger Bit	48-13-0725
3/4" x 6-1/2" Spur Auger Bit	48-13-0750
7/8" x 6-1/2" Spur Auger Bit	48-13-0870
1" x 6-1/2" Spur Auger Bit	48-13-1000

Description	Part No.
1-1/8" x 6-1/2" Spur Auger Bit	48-13-1120
1-1/4" x 6-1/2" Spur Auger Bit	48-13-1250
1-3/8" x 6-1/2" Spur Auger Bit	48-13-1370
1-1/2" x 6-1/2" Spur Auger Bit	48-13-1500

**SPUR AUGER BIT SET**

**SPUR AUGER BIT SET**

Description	Includes	Part No.
 <b>4 PC</b> 6-1/2" Spur Auger Bit Set	(1) 1/2" Spur Auger Bit (1) 3/4" Spur Auger Bit (1) 7/8" Spur Auger Bit (1) 1" Spur Auger Bit	48-13-4000



**COUNTERSINKS**

**OVERVIEW**

MILWAUKEE® Countersink bits have a tapered flute for quick and clean pre-drilled holes. The 1/4" Quick Change Hex Shanks allow for quick size changes. The drill bit length is adjustable to allow for precise depth control.

**FEATURES**

- 1/8" Hex: For adjusting drill bit length
- 1/4" Quick Change Hex Shank
- Designed for use in Drill/Drivers




**COUNTERSINKS**

Diameter	Description	Part No.
9/64"	#6 Countersink	48-13-5000
11/64"	#8 Countersink	48-13-5001
3/16"	#10 Countersink	48-13-5002



**COUNTERSINK SET**

**COUNTERSINK SET**

Description	Includes	Part No.
 <b>3 PC</b> Countersink Set	(1) #6 Countersink (1) #8 Countersink (1) #10 Countersink	48-13-5003



**WOOD BORING EXTENSIONS**

Extensions are located on page 21 of this catalog.





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