



Nothing but **HEAVY DUTY.**

**NEW 2015**

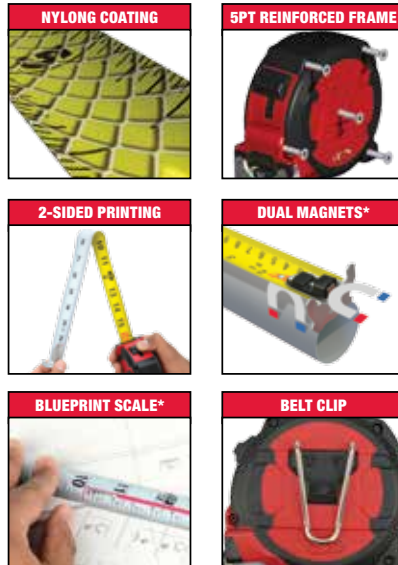
# MILWAUKEE® HAND TOOLS & POWER TOOL ACCESSORIES CATALOGUE



## CLICK A CATEGORY

<b>3</b>	<b>TAPE MEASURES</b>
<b>4</b>	<b>10 IN 1 SCREWDRIVERS</b>
<b>5</b>	<b>11 IN 1 SCREWDRIVERS, 8 IN 1 COMPACT MULTI BIT DRIVERS &amp; BOTTLE OPENER</b>
<b>6</b>	<b>PRECISION SCREWDRIVERS &amp; SCREWDRIVERS</b>
<b>7</b>	<b>STEEL CAP &amp; INSULATED SCREWDRIVERS</b>
<b>9</b>	<b>HOLLOWCORE™ NUT DRIVERS</b>
<b>10</b>	<b>HOLLOW SHAFT NUT DRIVERS</b>
<b>11</b>	<b>PLIERS</b>
<b>17</b>	<b>CLAMPS</b>
<b>18</b>	<b>SNIPS &amp; SCISSORS</b>
<b>21</b>	<b>ProPEX®/ TUBING CUTTER &amp; SAWS</b>
<b>22</b>	<b>LEVELS</b>
<b>23</b>	<b>KNIVES</b>
<b>24</b>	<b>UTILITY KNIVES</b>
<b>25</b>	<b>POCKET KNIVES</b>
<b>26</b>	<b>UTILITY BLADES</b>
<b>27</b>	<b>STAPLE GUN &amp; HAMMER TACKER &amp; HVAC</b>
<b>28</b>	<b>INKZALL™ MARKERS</b>
<b>29</b>	<b>SOFT STORAGE</b>

## TAPE MEASURES



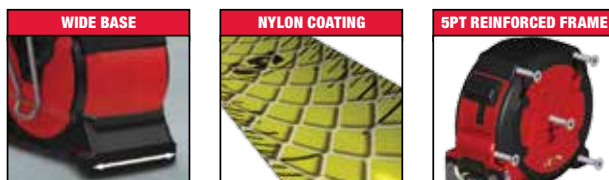
UP TO **10x** LONGER LIFE



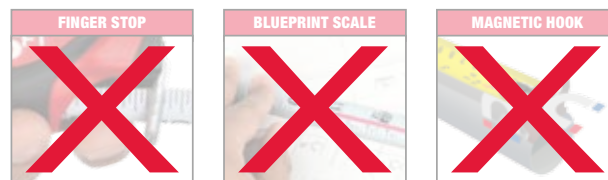
\* Blueprint Scale, Finger Stop and Magnetic Hook not available on the general contractor tape measures.

General Information		Tool Specifications			Application Specifications	
Part #	Description	Graduation Type	Magnetic	Tape Color	Hook Type	Blueprint Scale
48-22-5116	16' Magnetic Tape Measure	Inches	YES	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1'
48-22-5117	16' Tape Measure	Inches	NO	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1'
48-22-5125	25' Magnetic Tape Measure	Inches	YES	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1'
48-22-5126	25' Tape Measure	Inches	NO	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1'
48-22-5130	30' Magnetic Tape Measure	Inches	YES	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1'
48-22-5131	30' Tape Measure	Inches	NO	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1'
48-22-5135	35' Magnetic Tape Measure	Inches	YES	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1'
48-22-5136	35' Tape Measure	Inches	NO	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1'
48-22-5216	5m/16' Magnetic Tape Measure	Inches/Centimeters	YES	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1' and 1:50, 1:20
48-22-5217	5m/16' Tape Measure	Inches/Centimeters	NO	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1' and 1:50, 1:20
48-22-5225	8m/26' Magnetic Tape Measure	Inches/Centimeters	YES	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1' and 1:50, 1:20
48-22-5226	8m/26' Tape Measure	Inches/Centimeters	NO	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1' and 1:50, 1:20
48-22-5233	10m/33' Magnetic Tape Measure	Inches/Centimeters	YES	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1' and 1:50, 1:20
48-22-5234	10m/33' Tape Measure	Inches/Centimeters	NO	Yellow (top) and White (bottom)	360°	1/4": 1', 1/8": 1' and 1:50, 1:20
48-22-5305	5m Magnetic Tape Measure	Centimeters	YES	Yellow (top) and White (bottom)	360°	1:50, 1:20
48-22-5306	5m Tape Measure	Centimeters	NO	Yellow (top) and White (bottom)	360°	1:50, 1:20
48-22-5308	8m Magnetic Tape Measure	Centimeters	YES	Yellow (top) and White (bottom)	360°	1:50, 1:20
48-22-5309	8m Tape Measure	Centimeters	NO	Yellow (top) and White (bottom)	360°	1:50, 1:20

## GENERAL CONTRACTORS TAPE MEASURES

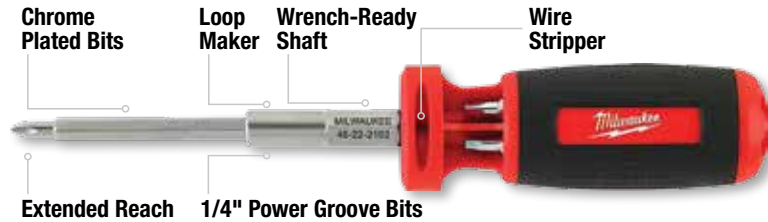


NOT INCLUDED:



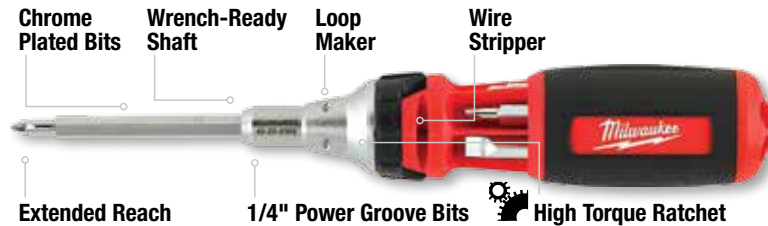
General Information		Tool Specifications			Application Specifications	
Part #	Description	Graduation Type	Magnetic	Tape Color	Hook Type	Blueprint Scale
48-22-5516	16' General Contractor Tape Measure	Inches	NO	Yellow (top) and White (bottom)	360°	N/A
48-22-5525	25' General Contractor Tape Measure	Inches	NO	Yellow (top) and White (bottom)	360°	N/A

## 10<sub>IN</sub>1 MULTI-BIT DRIVERS



General Information		Tool Specifications		Application Specifications					
Part #	Description	Length	Shaft Length	Bit Length	Nut Drivers	Bit Types	Loop Maker	Wire Stripper	
48-22-2101	10 <sub>IN</sub> 1 ECX™ Multi-Bit Driver	9"	1-3/4"	3-1/2"	1/4"	P#1, P#2, SL 3/16", SL 1/4", SQ#2, ECX™#1, ECX™#2	Up to 12ga	Up to 12ga	
48-22-2102	10 <sub>IN</sub> 1 Square Multi-Bit Driver	9"	1-3/4"	3-1/2"	1/4"	SQ#1, SQ#2, SQ#3, P#1, P#2, SL 3/16", SL 1/4"	Up to 12ga	Up to 12ga	

## 10<sub>IN</sub>1 RATCHET MULTI-BIT DRIVERS

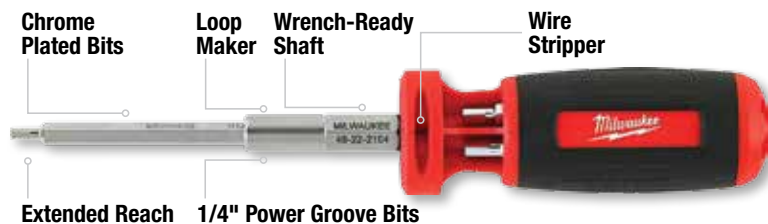


General Information		Tool Specifications		Application Specifications					
Part #	Description	Length	Shaft Length	Bit Length	Nut Drivers	Bit Types	Loop Maker	Wire Stripper	
48-22-2301	10 <sub>IN</sub> 1 Ratchet ECX™ Multi-Bit Driver	9"	1-3/4"	3-1/2"	1/4"	ECX™#1, ECX™#2, P#1, P#2, SL 3/16", SL 1/4", SQ#2	Up to 12ga	Up to 12ga	
48-22-2302	10 <sub>IN</sub> 1 Ratchet Square Multi-Bit Driver	9"	1-3/4"	3-1/2"	1/4"	SQ#1, SQ#2, SQ#3, PH#1, PH#2, SL 3/16", SL 1/4"	Up to 12ga	Up to 12ga	

## 10<sub>IN</sub>1 HEX/TORX® KEY DRIVERS



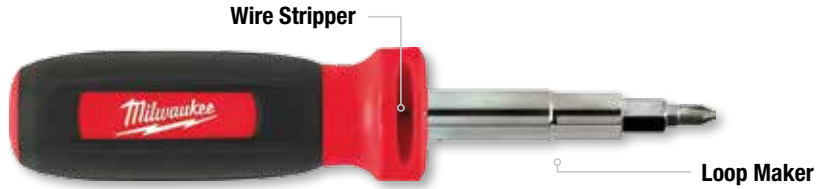
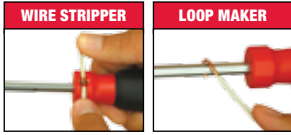
REPLACES



General Information		Tool Specifications		Application Specifications					
Part #	Description	Length	Shaft Length	Bit Length	Nut Drivers	Bit Types	Loop Maker	Wire Stripper	
48-22-2103	10 <sub>IN</sub> 1 TORX® Key Driver	9"	1-3/4"	3-1/2"	1/4"	T8, T10, T15, T20, T25, T27, T30	Up to 12ga	Up to 12ga	
48-22-2104	10 <sub>IN</sub> 1 SAE Hex Key Driver	9"	1-3/4"	3-1/2"	1/4"	7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"	Up to 12ga	Up to 12ga	
48-22-2106	10 <sub>IN</sub> 1 Metric Hex Key Driver	9"	1-3/4"	3-1/2"	1/4"	1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm	Up to 12ga	Up to 12ga	

TORX® is a registered trademark of Acument Intellectual Properties, LLC.

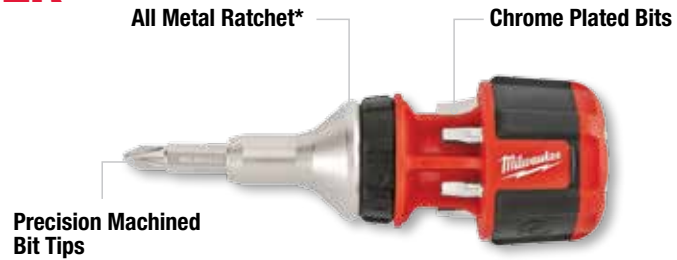
## 11 IN 1 SCREWDRIVER



- Square #2**
- Square #1**
- Nut Driver 3/8"**
- Nut Driver 5/16"**
- Nut Driver 1/4"**
- Slotted 1/4"**
- Slotted 3/16"**
- Phillips #2**
- Phillips #1**

General Information		Tool Specifications		Application Specifications			
Part #	Description	Overall Length	Shaft Length	Nut Drivers	Bit Types	Loop Maker	Wire Stripper
48-22-2114	11in1 Screwdriver w/ Square	7-1/2"	3-1/2"	1/4", 5/16", 3/8"	SL 3/16", SL 1/4" ; P#1, P#2 ; SQ#1, SQ#2	Up to 12ga	Up to 12ga
48-22-2110	4 Pc Replacement Bit Set				SL 3/16", SL 1/4" ; P#1, P#2 ; ECX™#1, ECX™#2 ; SQ#1, SQ#2		

## 8 IN 1 COMPACT MULTI BIT DRIVER

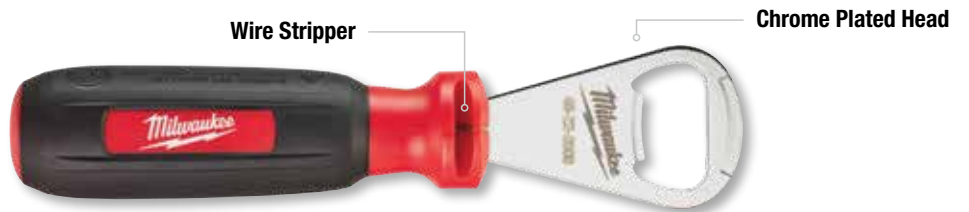


- Square #2**
- Square #1**
- Slotted 1/16"**
- Slotted 3/32"**
- Phillips #2**
- Phillips #1**
- TORX® 15**

\* Ratcheting Mechanism Not Available on 48-22-2120

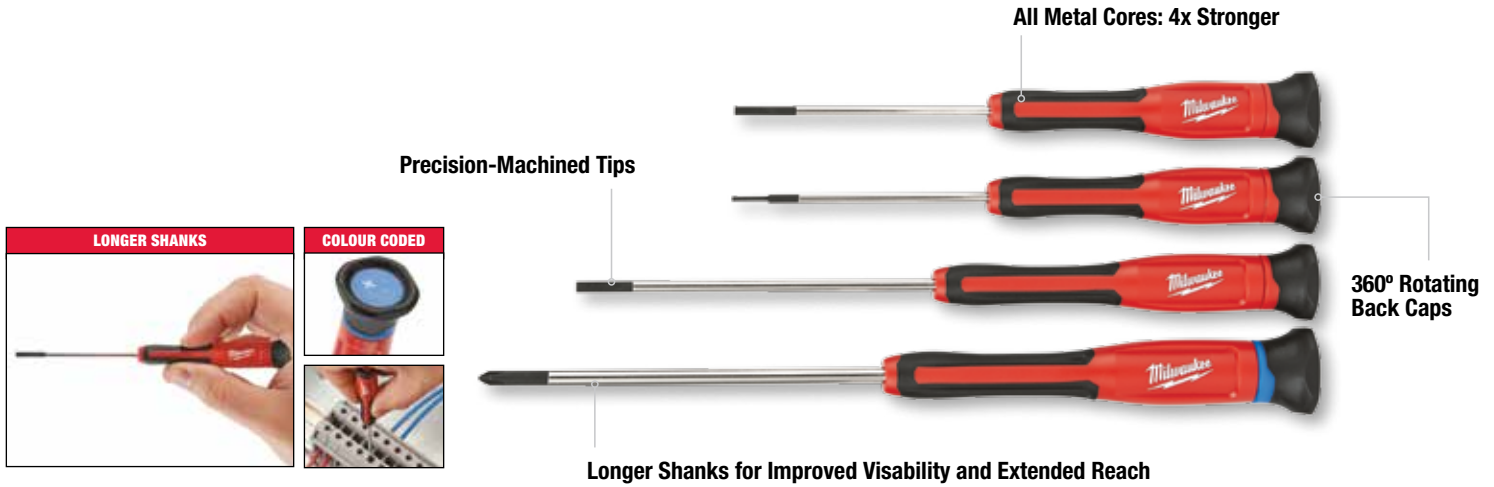
General Information		Tool Specifications		Application Specifications
Part #	Description	Opener Head	Tool Length	Bit Types
48-22-2120	Compact 8IN1 Multi Bit Driver	3.5"	1.5"	P#1, P#2, SL1/16, SL3/32, SQ#1, SQ#2, TORX® 15
48-22-2320	Compact 8IN1 Ratchet Multi Bit Driver	4.5"	1.5"	P#1, P#2, SL1/16, SL3/32, SQ#1, SQ#2, TORX® 15

## BOTTLE OPENER



General Information		Tool Specifications		Application Specifications
Part #	Description	Opener Head	Tool Length	Wire Stripper
48-22-2000	Bottle Opener	Hardened SK5 Steel	6.5"	12ga

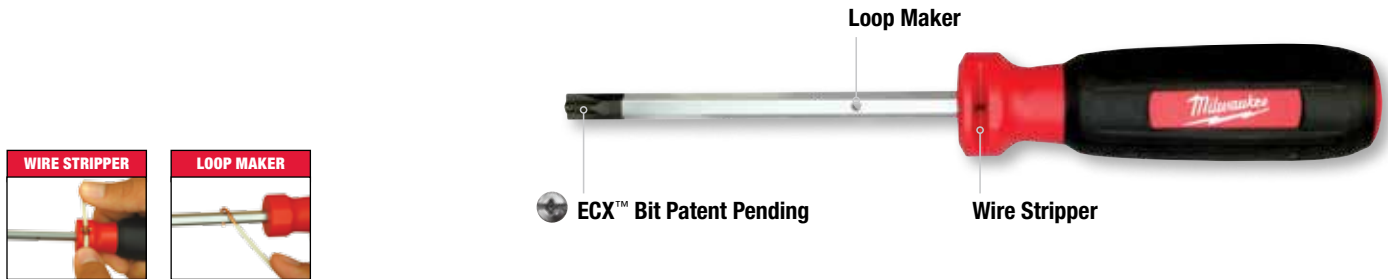
## 4 PIECE PRECISION SCREWDRIVER SET



General Information		Tool Specifications
Part #	Description	Bit Type
48-22-2604	4 PC Precision Screwdriver Set	Phillip #1 - 4" length, Slotted 1/16" - 2 1/2" length, Slotted 3/32" - 2 1/2" length, Slotted 1/8" - 3 1/2" length
48-22-2606	6 PC Precision Screwdriver Set	Phillip #0 - 2 1/2" length, Phillips #00 - 2" length, Slotted 1/16" - 2 1/2" length, Slotted 3/32" - 2 1/2" length, Slotted 1/8" - 3 1/2" length, Slotted 5/32" - 4" length, Precision Screwdriver Case
48-22-2610	6 PC Precision Screwdriver Set (TORX®)	T6 - 2 1/2" length, T7 - 3" length, T8 - 3" length, T9 - 3 1/2" length, T10 - 3 1/2" length, T15 - 4" length, Precision Screwdriver Case

# SCREWDRIVERS

## SCREWDRIVERS



General Information		Tool Specifications			Application Specifications
Part #	Description	Bit Type	Shaft Length	Shaft Type	Loop Maker
48-22-2011	#1 Phillips Screwdriver	P#1	3"	Wrench-Ready Hex	Up to 12ga
48-22-2012	#2 Phillips Screwdriver	P#2	4"	Wrench-Ready Hex	Up to 12ga
48-22-2013	#3 Phillips Screwdriver	P#3	6"	Wrench-Ready Hex	Up to 12ga
48-22-2031	3/16" Cabinet Screwdriver	CAB 3/16"	3"	Round	
48-22-2032	3/16" Cabinet Screwdriver	CAB 3/16"	6"	Round	
48-22-2033	3/16" Cabinet Screwdriver	CAB 3/16"	8"	Round	
48-22-2041	#1 ECX™ Screwdriver	ECX™#1	4"	Wrench-Ready Hex	Up to 12ga
48-22-2042	#2 ECX™ Screwdriver	ECX™#2	4"	Wrench-Ready Hex	Up to 12ga
48-22-2051	#1 Square Screwdriver	SQ#1	4"	Wrench-Ready Hex	Up to 12ga
48-22-2052	#2 Square Screwdriver	SQ#2	4"	Wrench-Ready Hex	Up to 12ga
48-22-2053	#3 Square Screwdriver	SQ#3	6"	Wrench-Ready Hex	Up to 12ga

## STEEL CAP DEMOLITION SCREWDRIVERS






General Information		Tool Specifications			Application Specifications
Part #	Description	Bit Type	Shaft Length	Shaft Type	Steel Cap
48-22-2021	1/4" Slotted Screwdriver	SL 1/4"	4"	Wrench-Ready Hex	YES
48-22-2022	5/16" Slotted Screwdriver	SL 5/16"	6"	Wrench-Ready Hex	YES
48-22-2023	3/8" Slotted Screwdriver	SL 3/8"	8"	Wrench-Ready Hex	YES

## 1000V INSULATED SCREWDRIVERS



General Information		Tool Specifications				
Part #	Description	Bit Type	Shaft Length	Shaft Type	Rating	Certification
48-22-2211	#1 Phillips Insulated Screwdriver	P#1	3"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2212	#2 Phillips Insulated Screwdriver	P#2	4"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2213	#3 Phillips Insulated Screwdriver	P#3	6"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2221	1/4" Slotted Insulated Screwdriver	SL 1/4"	6"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2222	5/16" Slotted Insulated Screwdriver	SL 5/16"	7"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2223	3/8" Slotted Insulated Screwdriver	SL 3/8"	8"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2224	3/8" Slotted Insulated Screwdriver	SL 3/8"	10"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2231	3/16" Cabinet Insulated Screwdriver	CAB 3/16"	4"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2232	3/16" Cabinet Insulated Screwdriver	CAB 3/16"	6"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2233	3/16" Cabinet Insulated Screwdriver	CAB 3/16"	8"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2241	#1 ECX™ Insulated Screwdriver	ECX™#1	4"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2242	#2 ECX™ Insulated Screwdriver	ECX™#2	4"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2251	#1 Square Insulated Screwdriver	SQ#1	3"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2252	#2 Square Insulated Screwdriver	SQ#2	4"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.
48-22-2253	#3 Square Insulated Screwdriver	SQ#3	6"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.

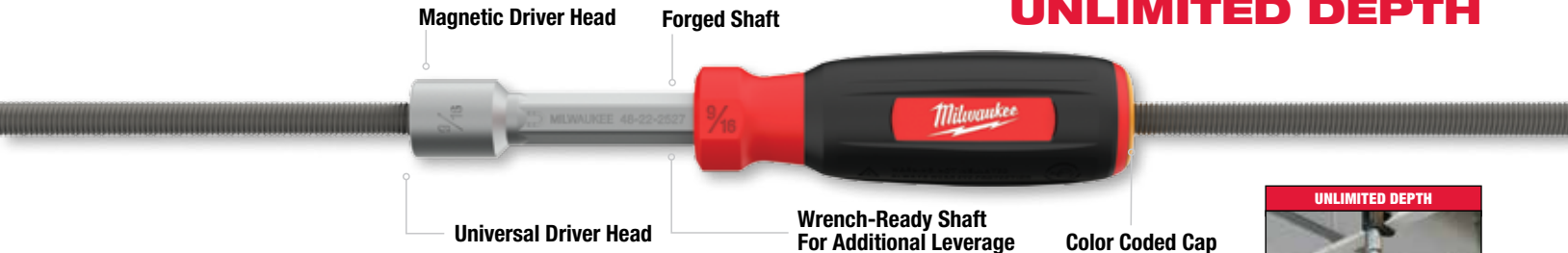
General Information		Tool Specifications			Application Specifications		
Part #	Description	Bit Type	Shaft Length	Shaft Type	Steel Cap	Loop Maker	Wire Stripper
48-22-2002	2 Pc Steel Cap Demolition Screwdriver Set	P#2	6"	Wrench-Ready Hex	YES		
		SL 5/16"	6"	Wrench-Ready Hex	YES		
48-22-2006	6 Pc Screwdriver Set	SL 1/4"	4"	Wrench-Ready Hex	YES		
		SL 5/16"	6"	Wrench-Ready Hex	YES		
		P#1	3"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		P#2	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		CAB 3/16"	3"	Wrench-Ready Hex			
		CAB 3/16"	6"	Wrench-Ready Hex			
48-22-2008	8 Pc Screwdriver Set	ECX™#1	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		ECX™#2	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		P#1	3"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		P#2	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		SL 1/4"	4"	Wrench-Ready Hex	YES		
		SL 5/16"	6"	Wrench-Ready Hex	YES		
		CAB 3/16"	3"	Wrench-Ready Hex			
		CAB 3/16"	6"	Wrench-Ready Hex			
48-22-2009	8 Pc Screwdriver Set w/ Square	ECX™#1	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		ECX™#2	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		SQ#1	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		SQ#2	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		SL 1/4"	4"	Wrench-Ready Hex	YES		
		SL 5/16"	6"	Wrench-Ready Hex	YES		
		P#1	3"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		P#2	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
48-22-2018	8 Pc Screwdriver Set	ECX™#1	3"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		ECX™#2	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		SL 1/4"	4"	Wrench-Ready Hex			
		SL 5/16"	6"	Wrench-Ready Hex			
		SL 3/16"	3"	Round			
		SL 3/16"	6"	Round			
		P#1	3"	Wrench-Ready Hex		Up to 12ga	Up to 12ga
		P#2	4"	Wrench-Ready Hex		Up to 12ga	Up to 12ga

General Information		Tool Specifications					
Part #	Description	Bit Type	Shaft Length	Shaft Type	Rating	Certification	Storage Included
48-22-2202	3 Pc 1000V Insulated Screwdriver Set	ECX™#1	4"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.	
		SL 1/4"	6"				
		P#2	4"				
48-22-2204	4 Pc 1000V Insulated Screwdriver Set	P#2	4"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.	
		SL 1/4"	6"				
		SL 3/8"	8"				
48-22-2205	4 Pc 1000V Insulated Screwdriver Set	P#1	3"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.	
		SQ #1	3"				
		SQ #2	4"				
		SL 1/4"	6"				
48-22-2210	10 Pc 1000V Insulated Screwdriver Set	SL 3/8"	8"	Dual Layer Insulated	1000V	UL® Classified, ASTM F1505-10, IEC 60900:2004, NFPA 70E, 2012 ed.	
		ECX™#1	4"				
		SL 1/4"	6"				
		SL 5/16"	7"				
		SL 3/8"	8"				
		P#1	3"				
		P#2	4"				
		P#3	6"				
SQ#1	3"						
SQ#2	4"						
SQ#3	6"						

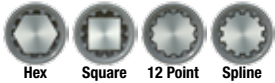


## HOLLOWCORE™ MAGNETIC NUT DRIVERS

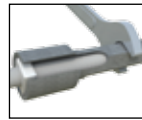
### UNLIMITED DEPTH



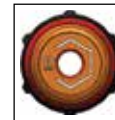
**FITS 4X MORE FASTENERS**



**Wrench-Ready Shaft  
For Additional Leverage**



**Color Coded Cap**



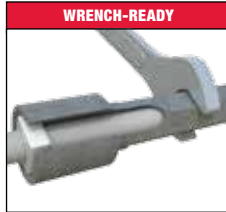
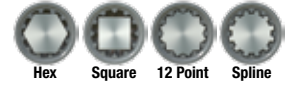
General Information		Tool Specifications			Application Specifications	
Part #	Description	Size	Shaft Length	Hollow Shaft Depth	Shaft Type	Head Type
48-22-2520	3/16" HOLLOWCORE™ Magnetic Nut Driver	3/16"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2521	1/4" HOLLOWCORE™ Magnetic Nut Driver	1/4"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2522	5/16" HOLLOWCORE™ Magnetic Nut Driver	5/16"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2523	11/32" HOLLOWCORE™ Magnetic Nut Driver	11/32"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2524	3/8" HOLLOWCORE™ Magnetic Nut Driver	3/8"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2525	7/16" HOLLOWCORE™ Magnetic Nut Driver	7/16"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2526	1/2" HOLLOWCORE™ Magnetic Nut Driver	1/2"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2527	9/16" HOLLOWCORE™ Magnetic Nut Driver	9/16"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2531	5mm HOLLOWCORE™ Magnetic Nut Driver	5mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2532	5.5mm HOLLOWCORE™ Magnetic Nut Driver	5.5mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2533	6mm HOLLOWCORE™ Magnetic Nut Driver	6mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2534	7mm HOLLOWCORE™ Magnetic Nut Driver	7mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2535	8mm HOLLOWCORE™ Magnetic Nut Driver	8mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2536	10mm HOLLOWCORE™ Magnetic Nut Driver	10mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2537	13mm HOLLOWCORE™ Magnetic Nut Driver	13mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point

General Information		Tool Specifications			Application Specifications	
Part #	Description	Size	Shaft Length	Hollow Shaft Depth	Shaft Type	Head Type
48-22-2502	2 Pc HOLLOWCORE™ Magnetic Nut Driver Set	1/4"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		5/16"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2507	7 Pc HOLLOWCORE™ SAE Magnetic Nut Driver Set	1/4"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		5/16"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		11/32"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		3/8"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		7/16"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		1/2"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		9/16"	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2517	7 Pc HOLLOWCORE™ Metric Magnetic Nut Driver Set	5mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		5.5mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		6mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		7mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		8mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		10mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		13mm	3"	Unlimited Depth	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point

## HOLLOW SHAFT NUT DRIVERS



**FITS 4X MORE FASTENERS**



Removes Rusted & Stripped Bolts

Universal Driver Head 3" Depth



Color Coded Cap



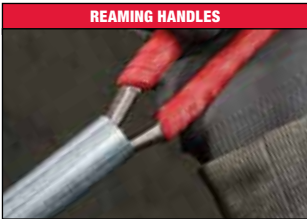
Wrench-Ready Shaft for Additional Leverage

General Information		Tool Specifications			Application Specifications	
Part #	Description	Size	Shaft Length	Hollow Shaft Depth	Shaft Type	Head Type
48-22-2420	3/16" Hollow Shaft Nut Driver	3/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2421	1/4" Hollow Shaft Nut Driver	1/4"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2422	5/16" Hollow Shaft Nut Driver	5/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2423	11/32" Hollow Shaft Nut Driver	11/32"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2424	3/8" Hollow Shaft Nut Driver	3/8"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2425	7/16" Hollow Shaft Nut Driver	7/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2426	1/2" Hollow Shaft Nut Driver	1/2"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2427	9/16" Hollow Shaft Nut Driver	9/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2431	5mm Hollow Shaft Nut Driver	5mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2432	5.5mm Hollow Shaft Nut Driver	5.5mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2433	6mm Hollow Shaft Nut Driver	6mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2434	7mm Hollow Shaft Nut Driver	7mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2435	8mm Hollow Shaft Nut Driver	8mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2436	10mm Hollow Shaft Nut Driver	10mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2437	13mm Hollow Shaft Nut Driver	13mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point

General Information		Tool Specifications			Application Specifications	
Part #	Description	Size	Shaft Length	Hollow Shaft Depth	Shaft Type	Head Type
48-22-2402	2 Pc SAE Hollow Shaft Nut Driver Set	1/4"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		5/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2404	4 Pc SAE Hollow Shaft Nut Driver Set	1/4"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		5/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		7/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		9/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2407	7 Pc SAE Hollow Shaft Nut Driver Set	1/4"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		5/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		11/32"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		3/8"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		7/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		1/2"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
48-22-2417	7 Pc Metric Hollow Shaft Nut Driver Set	9/16"	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		5mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		5.5mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		6mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		7mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		8mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
		10mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point
13mm	3"	3"	Wrench-Ready Hex	Universal Driver Head: Hex, Square, Spline, 12 Point		

## STRAIGHT JAW

# REAM and PUNCH™



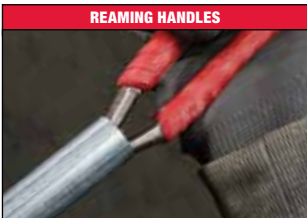
REAMING HANDLES



PUNCH HANDLES

Part #	Description	Jaw Capacity	Reaming Capacity
48-22-6306	6" Straight Jaw Pliers	1"	3/4"
48-22-6310	10" Straight Jaw Pliers	2"	2"
48-22-6312	12" Straight Jaw Pliers	2-1/4"	2-3/4"
48-22-6316	16" Straight Jaw Pliers	4-1/4"	3"
48-22-6320	20" Straight Jaw Pliers	5-1/2"	3-1/2"
48-22-6330	2 Pc 6" & 10" Straight Jaw Pliers Set	1" / 2"	3/4" / 2"

## V-JAW



REAMING HANDLES



PUNCH HANDLES



BEST FIT ON HEX BOLTS

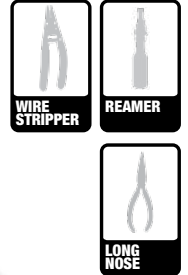
Part #	Description	Jaw Capacity	Reaming Capacity
48-22-6208	8" V-Jaw Pliers	1-1/2"	1-1/2"
48-22-6210	10" V-Jaw Pliers	2"	2"
48-22-6212	12" V-Jaw Pliers	2-3/4"	2-3/4"

## 6in1 COMBINATION PLIERS



UP TO **2X MORE CUTS**  
IRON-CARBINE EDGE

REPLACES



General Information		Tool Specifications				Application Specifications			
Part #	Description	Length	Jaw Length	Jaw Capacity	Cutting Length	Wire Stripper		Bolt Cutter	Pipe Reamer
						Solid	Stranded		
48-22-3069	6in1 Combination Pliers	7-1/2"	2-1/4"	1-1/2"	1/2"	10-18awg	12-20awg	#6 and #8	Up to 1-1/2"

## 6in1 LONG NOSE PLIERS



UP TO **2X MORE CUTS**  
IRON-CARBINE EDGE

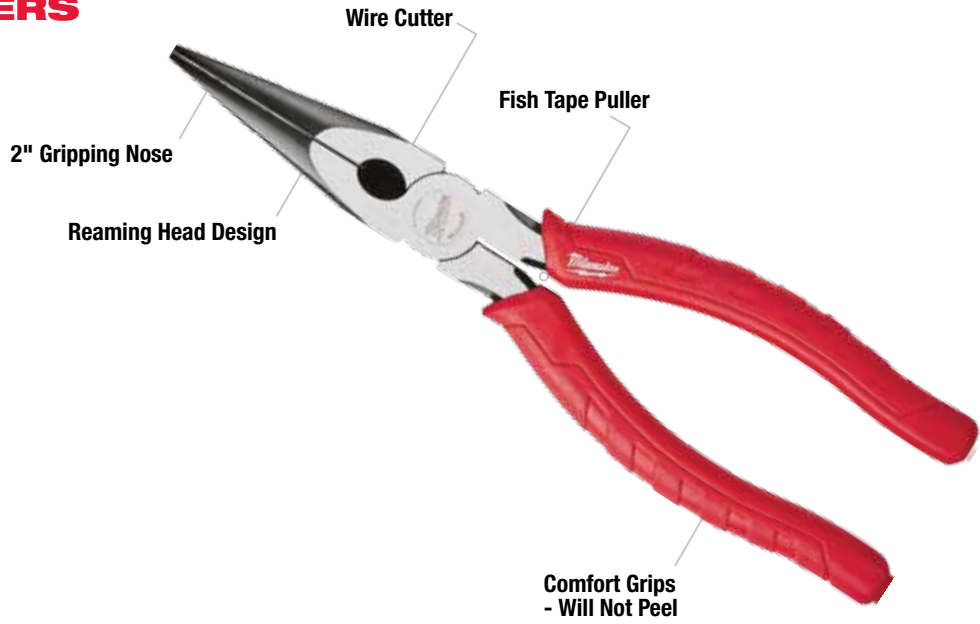
REPLACES



General Information		Tool Specifications				Application Specifications			
Part #	Description	Length	Jaw Length	Jaw Capacity	Cutting Length	Wire Stripper		Pipe Reamer	
						Solid	Stranded		
48-22-3068	6in1 Long Nose Pliers	8"	2-1/4"	1-3/4"	11/16"	10-14awg	12-16awg	Up to 1-1/2"	

## LONG NOSE PLIERS

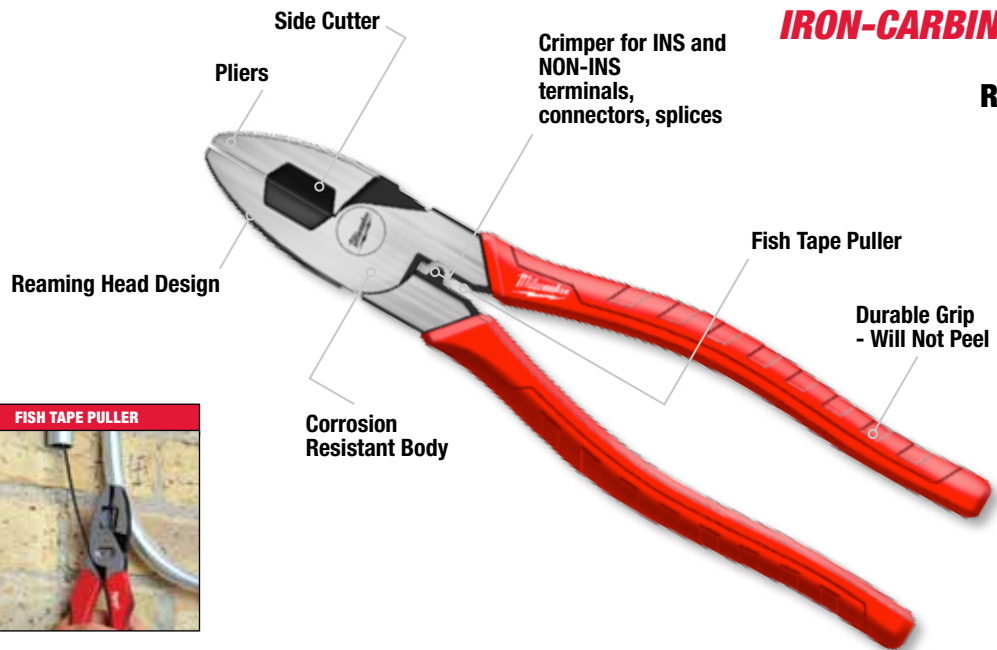
**LONG REACH**



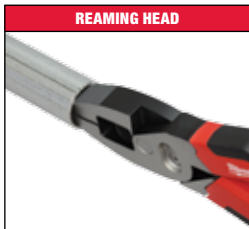
Part #	Description
48-22-6101	8" Long Nose Pliers

## LINEMAN'S PLIERS

UP TO **2X MORE CUTS**  
**IRON-CARBINE EDGE**



REPLACES

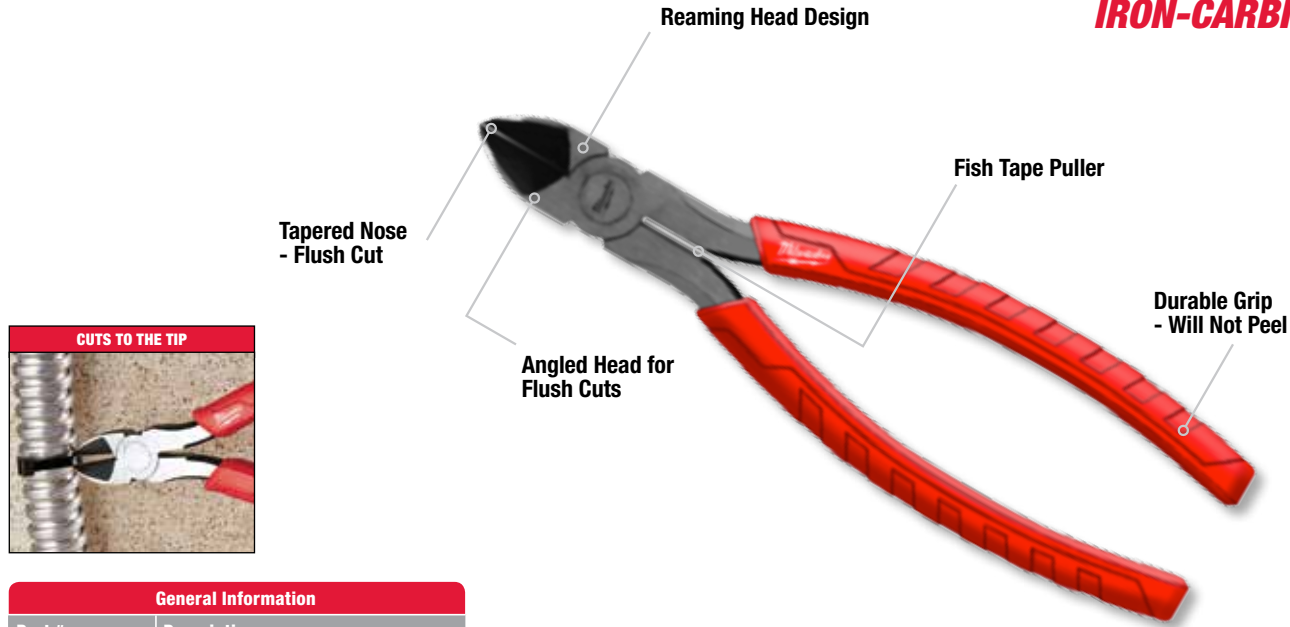


General Information	
Part #	Description
48-22-6100*	Lineman's Pliers

\* Replaces 48-22-3309

## DIAGONAL CUTTING PLIERS

UP TO **2X MORE CUTS**  
**IRON-CARBINE EDGE**



### REPLACES



General Information	
Part #	Description
48-22-6106*	6" Diagonal Cutting Pliers
48-22-6107*	7" Diagonal Cutting Pliers
48-22-6108*	8" Diagonal Cutting Pliers

\* Replaces 48-22-4106, 48-22-4107, 48-22-4108





**NEW!**

# **TORQUE LOCK™**

## **LOCKING TOOLS**



### **STOP LOCK™**

### **HAND CLAMPS**

Patented Clamp jaws will not back off jobsite material



**FASTER**  
Setup

**MAXIMUM**  
Clamp Force

**DESIGNED**  
for Greater Leverage  
and Control

## TORQUE LOCK™ FASTER SET UP



General Information	
Part #	Description
48-22-3507	7" Straight Jaw Torque Lock™ Locking Pliers
48-22-3510	10" Straight Jaw Torque Lock™ Locking Pliers
48-22-3420	10" Curved Jaw Torque Lock™ Locking Pliers

Applications
Maximizes pressure points for any bolt, nut or locking tool application
Maximizes contact points on curved jobsite work surfaces

## TORQUE LOCK™ GRIPPED LOCKING PLIERS



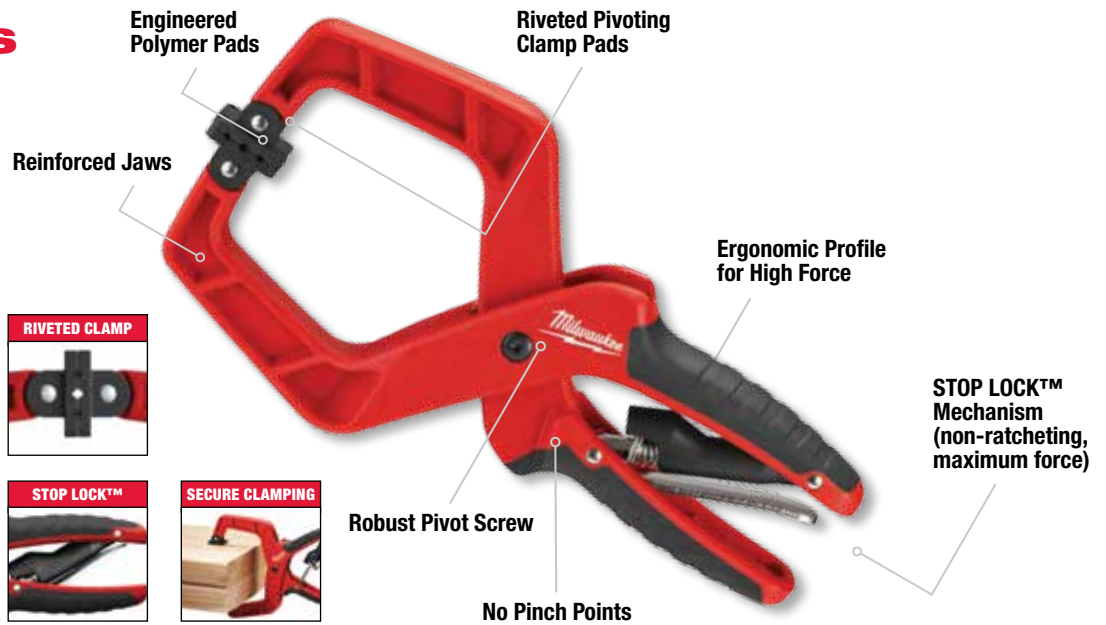
General Information	
Part #	Description
48-22-3410	10" TORQUE LOCK™ Curved Jaw Locking Pliers with Durable Grip
48-22-3407	7" TORQUE LOCK™ Curved Jaw Locking Pliers with Durable Grip
48-22-3405	5" TORQUE LOCK™ Curved Jaw Locking Pliers with Durable Grip
48-22-3409	9" TORQUE LOCK™ Long Nose Locking Pliers with Durable Grip
48-22-3406	6" TORQUE LOCK™ Long Nose Locking Pliers with Durable Grip
48-22-3402	2 PC TORQUE LOCK™ Curved Jaw Locking Pliers Set

Applications
Maximizes contact points on curved jobsite work surfaces
Best for long reach applications
Maximizes contact points on curved jobsite work surfaces



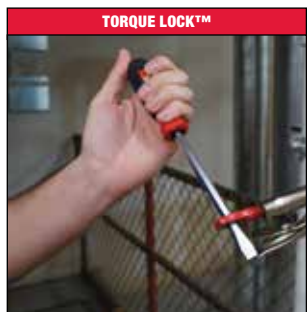
## STOP LOCK™ HAND CLAMPS

Patented Clamp jaws will not back off jobsite material



General Information	
Part #	Description
48-22-3002	2" STOP LOCK™ Hand Clamp
48-22-3004	4" STOP LOCK™ Hand Clamp

## TORQUE LOCK™ LOCKING CLAMPS

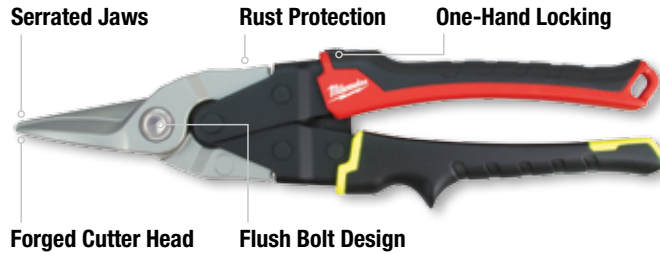


General Information	
Part #	Description
48-22-3521	11" TORQUE LOCK™ C-Clamp with Swivel Jaws
48-22-3522	6" TORQUE LOCK™ C-Clamp with Swivel Jaws
48-22-3531	11" TORQUE LOCK™ C-Clamp with Regular Jaws
48-22-3532	6" TORQUE LOCK™ C-Clamp with Regular Jaws

Applications
Pads provide surface stabilization and protect work surfaces from damage
Greater clamping versatility on a variety of shapes and surfaces

## AVIATION SNIPS

UP TO **10X MORE CUTS**

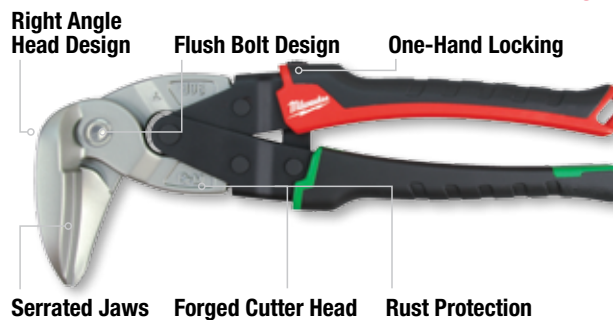


General Information		Tool Specifications				Application Specifications	
Part #	Description	Length	Cutter Head	Cutting Length	Thumb Lock	Cold Rolled Steel	Stainless Steel
48-22-4030	Straight Cutting Aviation Snips	10"	Forged	1.76"	YES	18ga	22ga
48-22-4010	Left Cutting Aviation Snips	10"	Forged	1.76"	YES	18ga	22ga
48-22-4020	Right Cutting Aviation Snips	10"	Forged	1.76"	YES	18ga	22ga
48-22-4000	Bulldog Snips	9-3/4"	Forged	1.00"	YES	16ga	18ga

General Information		Tool Specifications				Application Specifications		
Part #	Description	Cutting Direction	Length	Cutter Head	Cutting Length	Thumb Lock	Cold Rolled Steel	Stainless Steel
48-22-4033	3 Pc Aviation Snip Set	Straight	10"	Forged	1.76"	YES	18ga	22ga
		Left	10"	Forged	1.76"	YES	18ga	22ga
		Right	10"	Forged	1.76"	YES	18ga	22ga

## RIGHT ANGLE SNIPS

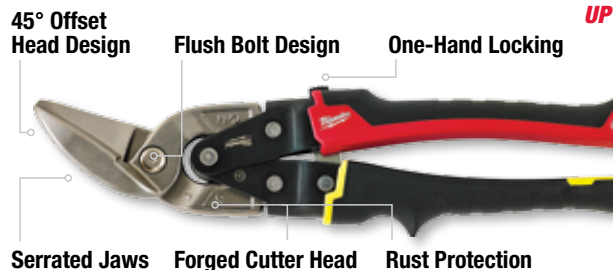
UP TO **10X MORE CUTS**



General Information		Tool Specifications				Application Specifications	
Part #	Description	Length	Cutter Head	Cutting Length	Thumb Lock	Cold Rolled Steel	Stainless Steel
48-22-4011	Left Cutting Right Angle Snips	9-1/2"	Forged	1.15"	YES	24ga	28ga
48-22-4021	Right Cutting Right Angle Snips	9-1/2"	Forged	1.15"	YES	24ga	28ga

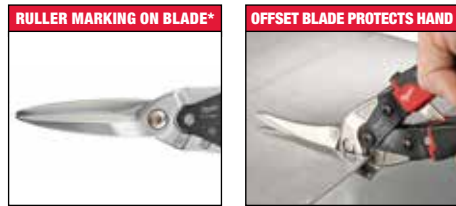
## OFFSET SNIPS

UP TO **10X MORE CUTS**



General Information		Tool Specifications				Application Specifications	
Part #	Description	Length	Cutter Head	Cutting Length	Thumb Lock	Cold Rolled Steel	Stainless Steel
48-22-4012	Left Cutting Offset Snips	10"	Forged	1.25"	YES	18ga	22ga
48-22-4022	Right Cutting Offset Snips	10"	Forged	1.5"	YES	18ga	22ga
48-22-4032	Straight Cutting Offset Snips	10"	Forged	1.25"	YES	18ga	22ga

## LONG SNIPS



\*48-22-4037 Long Straight Snips only

Longest Cut Length

Serrated Jaws

Ergonomic Handles

UP TO **10X MORE CUTS**

Flush Bolt

45-Degree Offset

Forged Blade

One Handed Lock

UP TO **2X LONGER CUT**  
FOR STRAIGHTER, CLEANER CUTS

General Information			Application Specifications	
Part #	Description	Cutting Length	Cold Rolled Steel	Stainless Steel
48-22-4037	3" Long Straight Snips	3"	Up to 20 ga	Up to 22 ga
48-22-4038	3" Long Offset Left Snips - 45° Offset	2.5"	Up to 20 ga	Up to 22 ga

## TINNER SNIPS

CLASSIC TINNERS

DUCKBILL TINNERS

BULLDOG TINNERS

**TOUGH CUTS**  
2X POWER, LESS EFFORT



General Information		Application Specifications	
Part #	Description	Cold Rolled Steel	Stainless Steel
48-22-4001	16" Bulldog Tinner	Up to 16ga	Up to 18ga
48-22-4002	12" Classic Tinner	Up to 20ga	Up to 22ga
48-22-4003	10" Classic Tinner	Up to 22ga	Up to 24ga
48-22-4004	10" Duckbill Tinner	Up to 22ga	Up to 24ga
48-22-4005	Compound Tinner	Up to 18ga	Up to 20ga
48-22-4006	Lightweight Tinner	Up to 24ga	Up to 26ga
48-22-4007	Replaceable Blades	-	-

COMPOUND TINNERS



LIGHTWEIGHT TINNERS



**ALL TINNER SNIPS INCLUDE:**

**BOLT LOCK** Ⓞ  
BLADES WILL NOT LOOSEN

**ALL METAL CONTOURED RED HANDLES**



**FORGED STRENGTH**

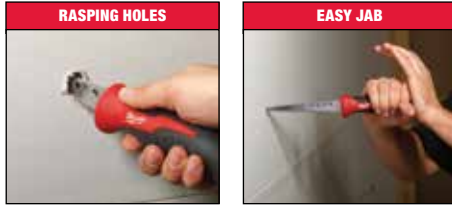
## SCISSORS

**1000+ DROPS**  
**6'**  
**BOLT LOCK** Ⓞ  
BLADES WILL NOT LOOSEN



UP TO **10X MORE CUTS**

General Information		Tool Specifications			Application Specifications	
Part #	Description	Tool Length	Blade Angle		Blade Type	
48-22-4040	Scissors - Offset	9.5"	4.5"	Offset handle keeps hand above cutting material	Serrated	Optimal for gripping material
48-22-4041	Scissors - Straight	9"	3.75"	Shorter blade for better control in tight corners	Smooth	Optimal for burr-free cuts

**RASPING JAB SAW**
**UP TO 2X FASTER HOLE EXPANSION**


General Information		Tool Specifications	Application Specifications
Part #	Description	Blade	Recommended Applications
48-22-0304	Rasping Jab Saw	(1) 6" Fixed Blade	Drywall/Plaster

**FOLDING UTILITY SAW**
**UP TO 10X FASTER BLADE CHANGE**


General Information		Tool Specifications	Application Specifications
Part #	Description	Blades Included	Recommended Applications
48-22-0305	Folding Utility Saw	(1) Wood (1) Metal (1) Gen. Purpose	Wood, Metal and General Purpose

**18" PVC/ABS SAW**
**UP TO 10X FASTER BLADE CHANGE**


General Information		Tool Specifications	Application Specifications
Part #	Description	Blades Included	Recommended Applications
48-22-0223	PVC/ABS Saw	(1) 18"	PVC/ABS, Plywood, Wallboard and Laminates
48-22-0220	PVC/ABS Saw Replacement Blade	(1) 18"	PVC/ABS, Plywood, Wallboard and Laminates

## ProPEX®/TUBING CUTTER



General Information		Tool Specifications		Application Specifications			
Part #	Description	Blades Included	Jaw Capacity	Part #	Description	Quantity	Recommended Applications
48-22-4200	ProPEX® / Tubing Cutter	(1) ProPEX® / Tubing Cutter Blade	1"	48-22-4203	ProPEX® / Tubing Cutter Blade	1	ProPEX® Type A
48-22-4202*	ProPEX® / Tubing Cutter	(1) ProPEX® / Tubing Cutter Blade	1"				

\* will replace 48-22-4200 when launched

## COMPACT HACK SAW

UP TO **10X** FASTER BLADE CHANGE



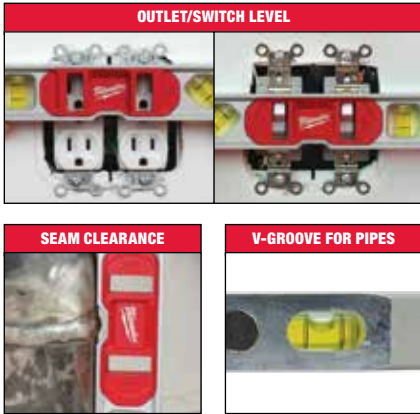
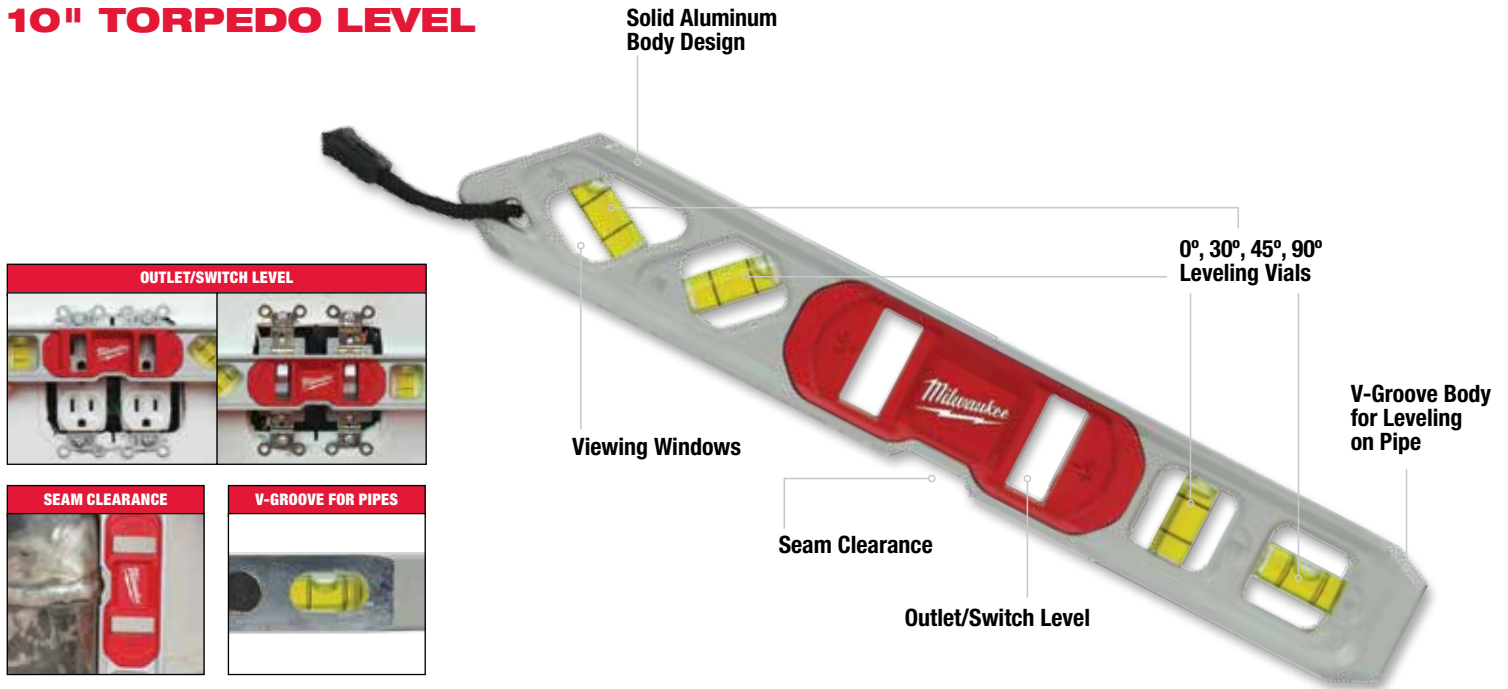
General Information		Tool Specifications		Application Specifications	
Part #	Description	Blades Included	Recommended Applications		
48-22-0012	Compact Hack Saw	(1) 10"	Copper tubing, metal and PVC		

## HACK SAW BLADES

General Information		Blade Specifications		
Part #	Description	Length	Width	Pack Qty
48-43-0200	12" Carbide Grit Hack Saw Blade	12"	1/16"	1
48-43-0520	12" Carbide Grit Rod Saw Blade	12"	3/4"	1
48-43-0600	12" 14TPI Hack Saw Blade	12"	1/2"	10
48-43-0610	12" 18TPI Hack Saw Blade	12"	1/2"	10
48-43-0620	12" 24TPI Hack Saw Blade	12"	1/2"	10
48-43-0630	12" 32TPI Hack Saw Blade	12"	1/2"	10

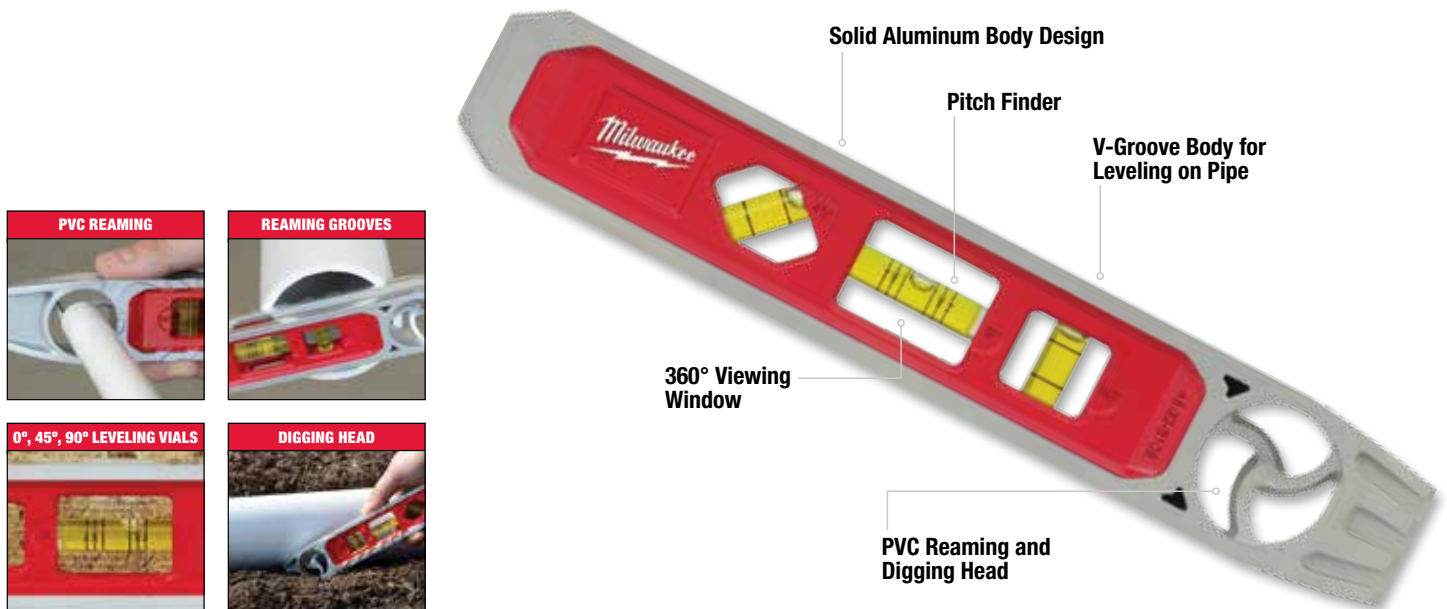
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## 10" TORPEDO LEVEL



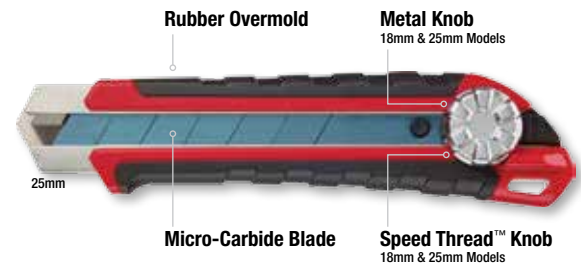
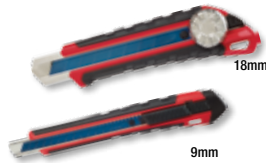
General Information		Tool Specifications				Application Specifications		
Part #	Description	Length	Leveling Vials	Magnet Type	Storage Included	Electrical Applications	Plumbing Applications	HVAC Applications
48-22-5009	10" Torpedo Level	10"	0°, 30°, 45°, 90°	4 Rare Earth Magnets	Lanyard	Outlet and switch alignment, 30 degree vial for conduit bending	Pipe seam clearance	Strong magnets hold onto duct work

## 10" REAMING TORPEDO LEVEL



General Information		Tool Specifications			Application Specifications	
Part #	Description	Length	Leveling Vials	Magnet Type	Plumbing Applications	HVAC Applications
48-22-5109	10" Reaming Torpedo Level	10"	0°, 45°, 90°	4 Rare Earth Magnets	Reams PVC pipe between 1/2" and 6", vials show slope in either direction, digging function	Strong magnets hold onto duct work

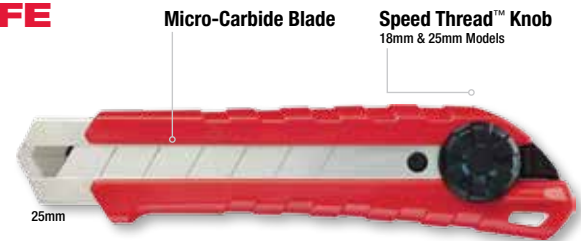
## PRECISION SNAP-OFF KNIFE



General Information		Tool Specifications				
Part #	Description	Blade Size	Snap Off Cap	Lock Type	Overmold Grip	Blade Grind
48-22-1960	9mm Precision Snap-Off Knife	A (9mm)	YES	Auto Lock Slide	YES	Precision Cut
48-22-1961	18mm Snap-Off Knife w/ Metal Lock	L (18mm)		Metal Knob - Speed Thread™	YES	Precision Cut
48-22-1962	25mm Snap-Off Knife w/ Metal Lock	H (25mm)		Metal Knob - Speed Thread™	YES	Precision Cut

General Information		Tool Specifications						
Description	Blade Size	Blade Material	Snap Off Points	Thickness	Blade Grind	3 Pc	10 Pc	
9mm Precision Cut Snap-Off Replacement Blades	A (9mm)	C1.25 Steel	13	0.015"	Precision Cut	48-22-9309	48-22-9109	
18mm Precision Cut Snap-Off Replacement Blades	L (18mm)	C1.25 Steel	8	0.020"	Precision Cut	48-22-9318	48-22-9118	
25mm Precision Cut Snap-Off Replacement Blades	H (25mm)	C1.25 Steel	7	0.027"	Precision Cut	48-22-9325	48-22-9125	

## GENERAL PURPOSE SNAP-OFF KNIFE



General Information		Tool Specifications			
Part #	Description	Blade Size	Snap Off Cap	Lock Type	Blade Grind
48-22-1963	9mm Snap-Off Knife	A (9mm)	YES	Auto Lock Slide	General Purpose
48-22-1964	18mm Snap-Off Knife	L (18mm)		Plastic Knob - Speed Thread™	General Purpose
48-22-1965	25mm Snap-Off Knife	H (25mm)		Plastic Knob - Speed Thread™	General Purpose

General Information		Tool Specifications						
Description	Blade Size	Blade Material	Snap Off Points	Thickness	Blade Grind	3 Pc	10 Pc	
9mm Snap-Off Replacement Blades	A (9mm)	1095 Steel	13	0.015"	General Purpose	48-22-1309	48-22-1109	
18mm Snap-Off Replacement Blades	L (18mm)	1095 Steel	8	0.020"	General Purpose	48-22-1318	48-22-1118	
25mm Snap-Off Replacement Blades	H (25mm)	1095 Steel	7	0.027"	General Purpose	48-22-1325	48-22-1125	

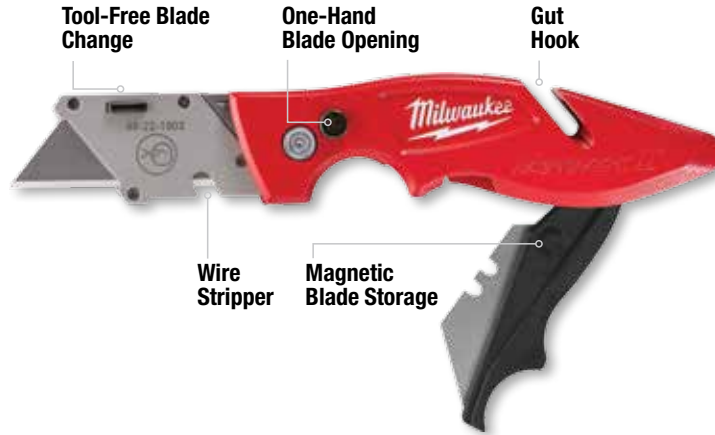
## SAFETY UTILITY KNIFE



General Information		Tool Specifications			Application Specifications
Part #	Description	Blades	Blade Storage	Tool-Free Blade Change	Wire Stripper
48-22-1915	Self-Retracting Safety Knife	2	5	YES	Up to 10ga

General Information		Tool Specifications				
Description	Blade Material	Blade Length	Thickness	5 Pc	50 Pc (Dispenser Included)	
Carton Utility Blades	Micro Carbide Dispersed Metal	2-7/16"	0.024	48-22-1934	48-22-1954	

## FASTBACK II™ FLIP UTILITY KNIFE



**PRESS  
AND  
FLIP**



General Information		Tool Specifications				Application Specifications
Part #	Description	Blades Included	Blade Storage	Wire Form Belt Clip	Tool-Free Blade Change	Wire Stripper
48-22-1902	FASTBACK II™ Flip Utility Knife	2	Magnetic	YES	YES	Up to 10ga

## FASTBACK™ FLIP UTILITY KNIFE



**PRESS  
AND  
FLIP**



General Information		Tool Specifications			Application Specifications
Part #	Description	Blades Included	Wire Form Belt Clip	Tool-Free Blade Change	Wire Stripper
48-22-1901	FASTBACK™ Flip Utility Knife	1	YES	YES	Up to 10ga

## SIDE SLIDING UTILITY KNIFE

UP TO **5X FASTER BLADE CHANGE**



General Information		Tool Specifications			Application Specifications
Part #	Description	Blades Included	Blade Storage	Tool-Free Blade Change	Wire Stripper
48-22-1910	Side Sliding Utility Knife	1	Magnetic	YES	Up to 10ga



## FASTBACK™ FLIP KNIFE



# PRESS AND FLIP



General Information		Tool Specifications		
Part #	Description	Blade Type	Blade Material	Reversible Belt Clip
48-22-1990	FASTBACK™ Flip Knife*	Smooth Drop Point	Stainless Steel	YES

## FASTBACK™ HAWKBILL FLIP KNIFE



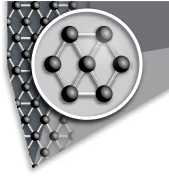
# PRESS AND FLIP



General Information		Tool Specifications		
Part #	Description	Blade Type	Blade Material	Reversible Belt Clip
48-22-1985	FASTBACK™ Hawkbill Flip Knife*	Smooth Curved	Stainless Steel	YES

## GENERAL PURPOSE

UP TO **3X** BLADE LIFE



Micro-Carbide Dispersed Metal

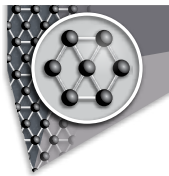


Dispenser Included with 50, 75, 100 Pc



## HOOK

UP TO **2X** STRONGER



Micro-Carbide Dispersed Metal

High Quality Steel for Maximum Strength in Roofing Applications

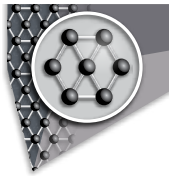


Dispenser Included with 50 Pc



## DRYWALL

UP TO **2X** SHARPER



Micro-Carbide Dispersed Metal

Custom Grind Angle for Maximum Sharpness and Strength in Drywall Applications

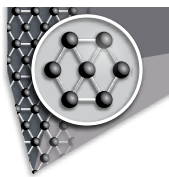


Dispenser Included with 50 Pc



## CARTON

UP TO **3X** BLADE LIFE



Micro-Carbide Dispersed Metal

Rounded Edges to Prevent Damage When Opening Packages



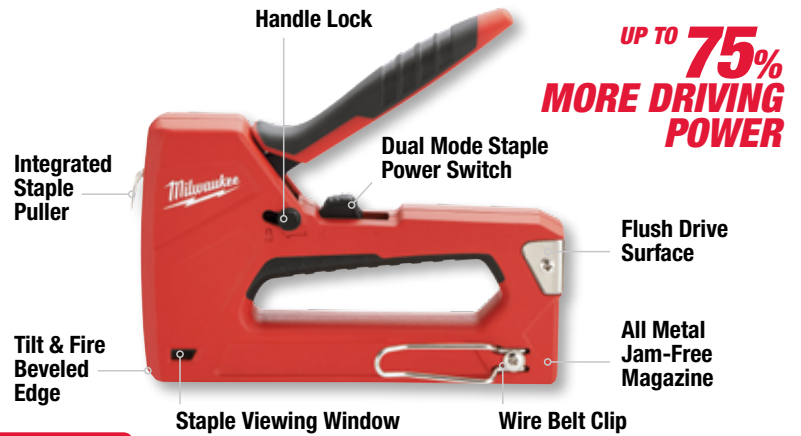
Dispenser Included with 50 Pc



General Information	Tool Specifications						
	Description	Blade Material	Blade Length	Thickness	5 Pc	Bulk Packs - Dispenser Included	
50 Pc						75 Pc	100 Pc
General Purpose Utility Blades	Micro Carbide Dispersed Metal	2-7/16"	0.024	48-22-1905	48-22-1950	48-22-1975	48-22-1900
Hook Utility Blades	Micro Carbide Dispersed Metal	1-7/8"	0.024	48-22-1932	48-22-1952		
Drywall Utility Blades	Micro Carbide Dispersed Metal	2-7/16"	0.024	48-22-1933	48-22-1953		
Carton Utility Blades	Micro Carbide Dispersed Metal	2-7/16"	0.024	48-22-1934	48-22-1954		

# STAPLE GUN & HAMMER TACKER

## STAPLE GUN



UP TO **75%**  
MORE DRIVING  
POWER

General Information		Compatibility	
Part #	Description		
48-22-1010	Staple Gun	Arrow T50® Staple Sizes: 9/16", 1/2", 3/8", 5/16", 1/4"	18 ga Brad Nails: 5/8", 1/2"

## HAMMER TACKER

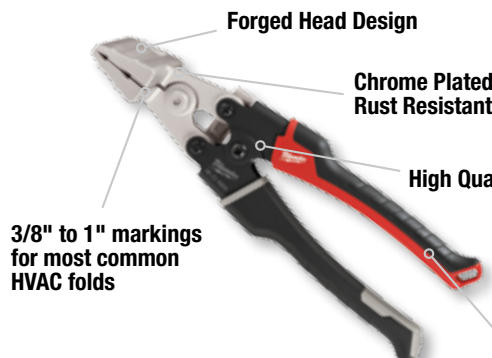


UP TO **3X**  
LONGER LIFE

General Information		Compatibility
Part #	Description	
48-22-1020	Hammer Tacker	Arrow T50® Staple Sizes: 1/2", 3/8", 5/16"

# HVAC HAND TOOLS (SPEED SEAMER™ & PIPE CRIMPER)

## SPEED SEAMER™ For Square Duct



3/8" to 1" markings  
for most common  
HVAC folds



## 5-BLADE PIPE CRIMPER For Round Duct



REINFORCED CRIMPER RIBS

General Information		Applications
Part #	Description	
48-22-6000	3" Hand Seamer with 3/8" & 1" Markings	For common duct folds
48-22-6001	5-Blade Pipe Crimper	Consistent crimps up to 22 ga cold rolled steel

UP TO **2X** LONGER LIFE



**CLOG  
RESISTANT**



**WRITES ON  
DUST  
WET  
OILY  
SURFACES**

## INKZALL™ STYLUS & JOBSITE MARKER

**STYLUS TIP  
FOR USE WITH GLOVES**



General Information		Specifications			
Part #	Description	Color	Point Size	Tip Style	Anti-Roll Body
48-22-3101	INKZALL™ Stylus & Jobsite Marker (1pk)	Black	Fine	Bullet	YES

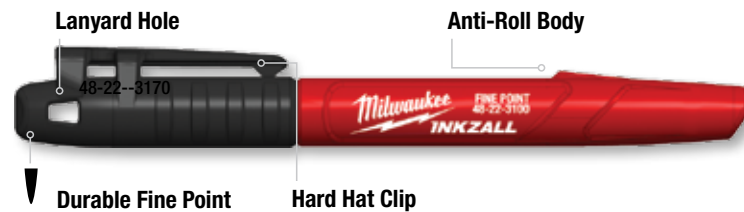
## INKZALL™ JOBSITE MARKERS

**UP TO 2X LONGER LIFE**



General Information		Specifications			
Part #	Description	Color	Point Size	Tip Style	Anti-Roll Body
48-22-3102	INKZALL™ Jobsite Markers (2pk)	Black	Medium	Bullet	YES
48-22-3103	INKZALL™ Jobsite Markers (1pk)	Black	Fine	Chisel	YES
48-22-3130	INKZALL™ Jobsite Markers (36pk)	Black	Fine	Chisel	YES

## INKZALL™ JOBSITE MARKER



General Information		Specifications			
Part #	Description	Color	Point Size	Tip Style	Anti-Roll Body
48-22-3100	INKZALL™ Jobsite Marker (36 PC)	Black	Fine	Bullet	YES
48-22-3104	INKZALL™ Jobsite Markers (4pk)	Black	Fine	Bullet	YES
48-22-3105	INKZALL™ Jobsite Markers (2pk)	Black	Fine	Bullet	YES
48-22-3106	INKZALL™ Jobsite Markers (4pk - Colour)	Black, Red, Blue, Green	Fine	Bullet	YES
48-22-3170	INKZALL™ Jobsite Markers (36 PC)	Red	Fine	Bullet	YES
48-22-3180	INKZALL™ Jobsite Markers (36 PC)	Blue	Fine	Bullet	YES
48-22-3190	INKZALL™ Jobsite Markers (36 PC)	Green	Fine	Bullet	YES

## ELECTRICIAN'S WORK POUCH

UP TO **5X MORE DURABLE**  
1680D BALLISTIC NYLON

UP TO **4X STRONGER SEAMS**



Integrated Belt Loop (up to 3" wide belt)

15 Pockets

Puncture Resistant Pockets

Nylon Hammer Loop



Integrated Handle

Riveted Seams

Metal Tape Measure Clip

Stand Up Base

General Information	
Part #	Description
48-22-8100	Electrician's Work Pouch

## ELECTRICIAN'S WORK BELT

UP TO **5X MORE DURABLE**  
1680D BALLISTIC NYLON

UP TO **4X STRONGER SEAMS**



Integrated Handles

Compact Electrician's Pouch

Metal Suspenders Attachments

Padded Breathable Work Belt

**ALL METAL HARDWARE**



29 Pockets

Tape Measure Clip

Puncture Resistant Pockets

Stand Up Base

General Information	
Part #	Description
48-22-8110	Electrician's Work Belt

## CONTRACTOR WORK BELT WITH SUSPENSION RIG

UP TO **5X MORE DURABLE**  
1680D BALLISTIC NYLON

UP TO **4X STRONGER SEAMS**



Metal Suspenders Attachments

Smart Phone Pocket

**ALL METAL HARDWARE**

Integrated Handles

Quick Access Pouch

Rafter Square Slot



24 Pockets

Puncture Resistant Pockets

Tiered Pocket Design

Hammer Loop

General Information	
Part #	Description
48-22-8120	Contractor Work Belt w/ Suspension Rig

## ZIPPER POUCH

UP TO **2X MORE DURABLE**

General Information	
Part #	Description
48-22-8180	Zipper Pouch
48-22-8193	3 Pack Zippered Pouches



Multi-Coloured 3 Pack

Rugged Metal Zippers

Weather Resistant - Stand up Base



Heavy Duty #10 Canvas

## JOBSITE BACKPACK

UP TO **2X MORE DURABLE**  
**1680D BALLISTIC NYLON**  
**FOR ULTIMATE DURABILITY**



General Information	
Part #	Description
48-22-8200	Jobsite Backpack

Separate Tech Pocket

Rugged Metal Zippers

Load-Bearing Harness

Water Bottle Pocket

Front Bulk Pocket

Hard Molded Base



Attachment Strap  
 For Rolling Luggage



**MILWAUKEE® POWER TOOL ACCESSORIES**



**ULTIMATE PRODUCTIVITY.  
SUPERIOR PERFORMANCE.**

## SAWZALL® BLADE 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 (3/8" - 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	PLASTER/ DRYWALL	TILE	FIBERGLASS	BRICK	CAST IRON
WOOD CUTTING	4/6 TPI 	FASTER/ ROUGHER												
	5 TPI 													
	6 TPI 													
MULTI-MATERIAL	8 TPI 		FASTER/ ROUGHER	FASTER/ ROUGHER	FASTER/ ROUGHER									
	8/12 TPI 													
	10/14 TPI 	SLOWER/ SMOOTHER												
METAL CUTTING	10 TPI 		SLOWER/ SMOOTHER	SLOWER/ SMOOTHER		FASTER/ ROUGHER								
	14 TPI 				SLOWER/ SMOOTHER		FASTER/ ROUGHER							
	18 TPI 					SLOWER/ SMOOTHER		FASTER/ ROUGHER						
	24 TPI 						SLOWER/ SMOOTHER	SLOWER/ SMOOTHER						
SPECIALTY	PRUNING 													
	CLEAN WOOD 													
	PLASTER 													
	CARBIDE GRIT 													
	DIAMOND GRIT 													

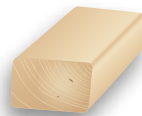
- 4 Choose the Blade Length (Width of Material + 3" = Minimum Blade Length)

**EXAMPLE**

2x4

Schedule 40 PVC Pipe

Angle Iron



Width



Width



Width

- 5 Choose the Blade Profile

### DEMO BLADES FOR TOUGH STRAIGHT CUTS:

#### MAXIMUM DURABILITY

- A thicker, more rigid blade body resists fracturing and bending.

#### STRAIGHTER CUTS

- The 1" tall blade body reduces blade twisting for straighter, more accurate cuts.



### THIN KERF BLADES FOR FAST FLEXIBLE CUTS:

#### FASTER CUTS

- A thinner kerf and blade body allow for faster cutting through material.

#### FLEXIBLE CUTS

- The 3/4" tall blade body and thinner blade width allow for flexible cutting like flush or scroll cuts.





# SAWZALL® BLADES

## METAL CUTTING SAWZALL® BLADES

**DOUBLE DUTY**  
UPGRADE™

**LONGEST**  
LIFE OF ANY SAWZALL®  
BLADE EVER **2X**

**STRONGEST**  
SAWZALL® TANG  
FOR INCREASED  
DURABILITY **TOUGH**  
**NECK**

**STIFFEST**  
HONEYCOMB  
STRUCTURE FOR  
RIGIDITY **GRID**  
**IRON**



THE TORCH™ metal-cutting blades are designed to provide tough, straight cuts in all metal materials. Choose THE TORCH™ blades when you need straight cuts in pipe or tube, or when you need greater tooth durability in hollow materials like strut or conduit. THE TORCH™ blades are 1" tall and .042" thick.

Thin Kerf metal-cutting blades are designed to provide fast, flexible cuts in all metal materials. Choose Thin Kerf blades when you need flexibility for flush cuts or scroll cuts, or when you want faster cuts in solid materials like threaded rod or bar stock. Thin Kerf metal-cutting blades are 3/4" tall and .035" thick.

\* versus previous SAWZALL™ metal blades

TPI	Length	Materials	THE TORCH™ TOUGH STRAIGHT CUTS						THIN KERF FAST FLEXIBLE CUTS						
			5 Packs	25 Packs	50 Packs	Bulk (10)	Bulk (25)	Bulk (100)	5 Packs	25 Packs	50 Packs	Bulk (10)	Bulk (25)	Bulk (100)	
10	4"		-	-	-	-	-	-	48-00-5090	-	-	-	-	-	-
10	6"		48-00-5712	48-00-8712	-	-	48-01-2712	48-01-7712	48-00-5092	-	48-01-6092	-	-	48-01-7092	
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	4"		-	-	-	-	-	-	48-00-5181	-	-	-	-	-	
14	6"		48-00-5782	48-00-8782	-	48-01-2762	48-01-2782	48-01-7782	48-00-5182	48-00-8182	48-01-6182	48-01-2162	48-01-2182	48-01-7182	
14	9"		48-00-5787	48-00-8787	-	48-01-2767	48-01-2787	48-01-7787	48-00-5187	-	48-01-6187	48-01-2167	48-01-2187	48-01-7187	
14	12"		48-00-5794	-	-	-	48-01-2794	-	-	-	-	-	-	-	
18	4"		-	-	-	-	-	-	48-00-5183	-	-	-	-	-	
18	6"		48-00-5784	48-00-8784	-	48-01-2764	48-01-2784	48-01-7784	48-00-5184	48-00-8184	48-01-6184	48-01-2164	48-01-2184	48-01-7184	
18	9"		48-00-5788	48-00-8788	-	48-01-2768	48-01-2788	48-01-7788	48-00-5188	-	48-01-6188	48-01-2168	48-01-2188	48-01-7188	
18	12"		48-00-5789	48-00-8789	-	48-01-2769	48-01-2789	48-01-7789	48-00-5189	-	48-01-6189	48-01-2169	-	48-01-7189	
24	4"		-	-	-	-	-	-	48-00-5185	-	-	-	-	-	
24	6"		48-00-5786	-	-	-	-	-	48-00-5186	48-00-8186	48-01-6186	-	48-01-2186	48-01-7186	
24	9"		48-00-5790	-	-	-	-	-	-	-	-	-	-	-	
24	12"		48-00-5791	-	-	-	-	-	-	-	-	-	-	-	



Up to 50%  
Longer Life

ICE HARDENED™ cryogenic treatment is available on both Thin Kerf and THE TORCH™ metal-cutting blades. Choose ICE HARDENED™ blades when cutting thick or hard materials like angle iron, rebar and Schedule 80 pipe that cause excessive heat build up. In these extreme applications, ICE HARDENED™ cryogenics will extend the wear life of the blade.

TPI	Length	Materials	THE TORCH™ TOUGH STRAIGHT CUTS					THIN KERF FAST FLEXIBLE CUTS				
			5 Packs	25 Packs	50 Packs	Bulk (25)	Bulk (100)	5 Packs	25 Packs	50 Packs	Bulk (25)	Bulk (100)
10	6"		48-00-4712	-	48-01-8712	-	48-01-9712	-	-	-	-	-
10	9"		48-00-4713	-	48-01-8713	-	48-01-9713	-	-	-	-	-
14	6"		48-00-4782	-	48-01-8782	-	48-01-9782	48-00-4182	-	48-01-8182	-	48-01-9182
14	9"		48-00-4787	-	48-01-8787	-	48-01-9787	48-00-4187	-	48-01-8187	-	48-01-9187
18	6"		48-00-4784	-	48-01-8784	-	48-01-9784	48-00-4184	-	48-01-8184	-	48-01-9184
18	9"		48-00-4788	-	48-01-8788	-	48-01-9788	48-00-4188	-	48-01-8188	-	48-01-9188
18	12"		-	-	-	-	-	48-00-4189	-	-	-	-
24	6"		-	-	-	-	-	48-00-4186	-	48-01-8186	-	48-01-9186

**DUCTWORK**  
48-00-1630

**IDEAL FOR  
INSTALLING  
TAKE-OFFS**

**DRYWALL  
ACCESS**  
48-00-1640

**IDEAL FOR  
SERVICING  
PLUMBING AND  
ELECTRICAL**

## WOOD CUTTING SAWZALL® BLADES



THE AX™ wood-cutting blades are designed to provide tough, straight cuts in nail-embedded wood and engineered lumber. Choose THE AX™ blades for straighter door and window cut-outs or for greater tooth durability when cutting a lot of nails. THE AX™ blades are 1" tall and .062" thick.

Thin Kerf wood-cutting blades are designed to provide fast, flexible cuts in nail-embedded wood and engineered lumber. Choose Thin Kerf blades for flush cuts and scroll cuts or for slightly faster cutting in dimensional lumber, plywood and OSB. Thin Kerf wood-cutting blades are 3/4" tall and .050" thick.

**2X FASTER**

		THE AX™ TOUGH STRAIGHT CUTS					THIN KERF FAST FLEXIBLE CUTS						
TPI	Length	Materials	5 Packs	25 Packs	Bulk (10)	Bulk (25)	Bulk (100)	5 Packs	25 Packs	50 Packs	Bulk (10)	Bulk (25)	Bulk (100)
5	6"		48-00-5021	48-00-8021	48-01-2001	48-01-2021	48-01-7021	48-00-5035	-	48-01-6035	48-01-2015	48-01-2035	48-01-7035
5	9"		48-00-5026	48-00-8026	48-01-2006	48-01-2026	48-01-7026	48-00-5036	48-00-8036	48-01-6036	48-01-2016	48-01-2036	48-01-7036
5	12"		48-00-5027	48-00-8027	48-01-2007	48-01-2027	48-01-7027	48-00-5037	-	48-01-6037	48-01-2017	48-01-2037	48-01-7037

**ROUGH-IN**  
48-00-1610

**IDEAL FOR TIGHT RADIUS CUTS**

**FLUSH CUT**  
48-00-1600

**IDEAL FOR DOOR CUT-OUTS**

## MULTI-MATERIAL SAWZALL® BLADES

Both Thin Kerf and THE WRECKER™ multi-material blades are designed to handle the broadest spectrum of applications. Choose multi-material blades when cutting wood, plastic and metal at the same time or when you need to quickly switch between applications without changing your blade.

THE **WRECKER™**  
TACKLE ANYTHING



THE WRECKER™ multi-material blades are designed for true demolition work. Choose THE WRECKER™ blades when you need tough cuts in nail-embedded wood, plaster and ferrous and non-ferrous metals. THE WRECKER™ blades are 1" tall and .062" thick.

Thin Kerf multi-material blades are designed to provide fast, flexible cuts in woods, plastics and metals. 8/12 TPI blades are 3/4" tall and .050" thick, while 10/14 TPI blades are 3/4" tall and .035" thick.

		THE WRECKER™ TOUGH STRAIGHT CUTS					THIN KERF FAST FLEXIBLE CUTS						
TPI	Length	Materials	5 Packs	25 Packs	Bulk (10)	Bulk (25)	Bulk (100)	5 Packs	25 Packs	50 Packs	Bulk (10)	Bulk (25)	Bulk (100)
8	6"		48-00-5701	48-00-8701	-	48-01-2701	48-01-7701	-	-	-	-	-	-
8	9"		48-00-5706	48-00-8706	48-01-2702	48-01-2706	48-01-7706	-	-	-	-	-	-
8	12"		48-00-5711	48-00-8711	-	48-01-2711	48-01-7711	-	-	-	-	-	-
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	-	-	-	-	-












**ice** hardened  
Up to 50% Longer Life

The same ICE HARDENED™ cryogenic treatment that is available in metal cutting blades is also available in multi-material blades.

		THE WRECKER™ TOUGH STRAIGHT CUTS				THIN KERF FAST FLEXIBLE CUTS					
TPI	Length	Materials	5 Packs	25 Packs	Bulk (25)	Bulk (100)	5 Packs	25 Packs	50 Packs	Bulk (25)	Bulk (100)
8/12	6"		-	-	-	-	48-00-4091	-	48-01-8091	-	48-01-9091
8/12	8"		-	-	-	-	48-00-4093	-	48-01-8093	-	48-01-9093

# SAWZALL® BLADES

## SPECIALTY SAWZALL® BLADES

Description	TPI	Length	Height	Width	1 Pack	3 Pack	5 Pack	50 Pack	Bulk (100)
 <b>DUCTWORK</b>	30	3.33"	0.75"	0.050"	-	-	48-00-1630	-	-
 <b>DRYWALL ACCESS</b>	-	2.5"	0.75"	0.062"	48-00-1640	-	-	-	-
 <b>FLUSH CUT</b>	5	12"	2-1/8"	0.062"	48-00-1600	-	-	-	-
 <b>ROUGH-IN</b>	5	7-3/8"	1/2"	0.062"	-	-	48-00-1610	-	-
 <b>THE TORCH™ DIAMOND GRIT</b>	GRIT	6"	1"	0.042"	48-00-1440	-	-	-	-
		9"	1"	0.042"	48-00-1450	-	-	-	-
 <b>CARBIDE GRIT</b>	GRIT	6"	3/4"	0.032"	48-00-1421	48-00-1420	-	48-01-6420	-
	GRIT	9"	3/4"	0.032"	48-00-1431	48-00-1430	-	48-01-6430	-
 <b>PRUNING</b>	5	9"	3/4"	0.049"	48-00-1304	-	48-00-1301	-	-
	5	12"	3/4"	0.049"	48-00-1305	-	48-00-1303	-	-
 <b>CLEAN WOOD</b>	6	6"	3/4"	0.050"	-	-	48-00-5015	-	48-01-7015
	6	9"	3/4"	0.050"	-	-	48-00-5016	-	48-01-7016
	6	12"	3/4"	0.050"	-	-	48-00-5017	-	-
 <b>PLASTER</b>	6	5"	3/4"	0.050"	-	-	48-00-5052	-	-
 <b>METAL SCROLLING</b>	10	3-5/8"	5/16"	0.035"	-	-	48-00-5161	-	-
	14	3-5/8"	5/16"	0.035"	-	-	48-00-5162	-	-
	18	3-5/8"	5/16"	0.035"	-	-	48-00-5163	-	-
 <b>WOOD SCROLLING</b>	4/6	6"	1/2"	0.050"	-	-	48-00-5041	-	-

**DIAMOND GRIT THE TORCH™**  
48-00-1440 and 48-00-1450



**IDEAL FOR CAST IRON**

**SCRAPER BLADES**  
49-00-5455, 49-00-5456 and 49-00-5463



**IDEAL FOR MATERIAL REMOVAL**

## SAWZALL® / HACKZALL® UTILITY BLADES

 <b>GROUT REMOVAL TOOL</b>	1 Pack	49-00-5450	 <b>5" SCRAPER BLADE</b>	1 Pack	49-00-5455	 <b>3" SCRAPER BLADE</b>	1 Pack	49-00-5456	<b>Bulk (5)</b>	49-01-5456	 <b>1-1/2" SCRAPER BLADE</b>	1 Pack	49-00-5463	<b>Bulk (5)</b>	49-01-5463
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## HACKZALL® BLADES

Application	Length	Product No.	Qty	Application	Length	Product No.	Qty
WOOD	4"	49-00-5460	5	PVC	4"	49-00-5414	5
WOOD SCROLLING	3-1/2"	49-00-5310	5		6"	49-00-5614	5
METAL SCROLLING	3-1/2"	49-00-5324	5	EMT	4"	49-00-5418	5
FIBERGLASS	4"	49-00-5400	3	DUCT	4"	49-00-5424	5
MULTI-MATERIAL	4"	49-00-5410	5	PLASTER AND DRYWALL	4"	49-00-5461	5



Designed to optimize the cutting performance of HACKZALL® recip saws.

Accessibility: Shorter blades allow access to tight spaces.

## SAWZALL® BLADE SETS



Product No.	49-22-5403	49-22-0240	49-22-1145	49-22-0220	49-22-1129	49-22-1131	49-22-1132
<b>Description</b>	<b>3 PC MATERIAL REMOVAL SET</b>	<b>8 PC THIN KERF SAWZALL® BLADE SET</b>	<b>9 PC THIN KERF SAWZALL® BLADE SET</b>	<b>10 PC HACKZALL® BLADE SET</b>	<b>12 PC DEMO SAWZALL® BLADE SET</b>	<b>14 PC ICE HARDENED™ DEMO &amp; THIN KERF METAL CUTTING SAWZALL® BLADE SET</b>	<b>32 PC DEMO &amp; THIN KERF SAWZALL® BLADE SET</b>
<b>Contents</b>	(1) 1-1/2" scraper blade (1) 3" scraper blade (1) grout removal tool	(2) 6" 5TPI Thin Kerf wood blades (2) 9" 5TPI Thin Kerf wood blades (2) 6" 14TPI ICE HARDENED™ Thin Kerf metal blades (2) 6" 18TPI ICE HARDENED™ Thin Kerf metal blades	(3) 6" 24TPI Thin Kerf metal blades (3) 6" 14TPI Thin Kerf metal blades (2) 6" 5TPI Thin Kerf wood blades (1) 9" 5TPI Thin Kerf wood blade	(2) Wood blades (3) EMT blades (2) Duct blades (3) 6" PVC blades	(4) 6" 18TPI THE TORCH™ blades (2) 6" 8TPI THE WRECKER™ blades (2) 6" 5TPI THE AX™ blades (2) 9" 5TPI THE AX™ blades (2) 9" 14TPI THE TORCH™ blades	(4) 6" 14TPI ICE HARDENED™ Thin Kerf metal blades (4) 6" 18TPI ICE HARDENED™ Thin Kerf metal blades (2) 9" 10TPI ICE HARDENED™ THE TORCH™ blades (2) 9" 14TPI ICE HARDENED™ THE TORCH™ blades (2) 9" 18TPI ICE HARDENED™ THE TORCH™ blades	(4) 9" 5TPI THE AX™ blades (4) 9" 8TPI THE WRECKER™ blades (4) 9" 10TPI THE TORCH™ blades (4) 9" 18TPI THE TORCH™ blades (4) 9" 5TPI Thin Kerf wood blades (4) 8" 12TPI Thin Kerf multi-material blades (4) 6" 14TPI Thin Kerf metal blades (4) 6" 24TPI Thin Kerf metal blades



# SAWZALL® & BAND SAW BLADES

## COMPETITIVE CROSS REFERENCE

Description	TPI	Length	MILWAUKEE®	LENOX®	BOSCH®	DEWALT®	MK MORSE®	DIABLO®
<b>METAL CUTTING</b>								
THIN KERF	10	4"	48-00-5090	-	-	-	-	-
	10	6"	48-00-5092	610R	RAP810	DW4806	RB610, RB65010, RBMC610	DS0608BFD
	14	4"	48-00-5181	414R	RM414	DW4807	RB414	DS0414BF
	14	6"	48-00-5182	614R	RM614	DW4808	RB614, RB65014, RBMC614	DS0614BF
	14	9"	48-00-5187	814R	RM914	DW4809	RB914	DS0914BF
	18	4"	48-00-5183	418R	RM418	DW4810	RB418, RH318	DS0414BF
	18	6"	48-00-5184	618R	RM618	DW4811	RB618, RBMC618	DS0614BF
	18	9"	48-00-5188	818R	RM918	DW4821	RB918	DS0914BF
	18	12"	48-00-5189	118R	RM1218	-	RB1218, RBMC1218	DS01214BF
	24	4"	48-00-5185	424R	RM424	DW4812	RB424	-
	24	6"	48-00-5186	624R	RM624	DW4813	RB624, RBMC624	-
	10	6"	48-00-5712	6110R	RESM6X2, RSM6X2, RRD6V	DW4864	RBFR66210, RBMC64210, RBFR66210W	-
	10	9"	48-00-5713	9110R	RESM9X2, RRD9V	DW4865	RBMC95010, RBMC94210, RBFR96210W	DS0908BFD
	10	12"	48-00-5714	12110R	-	DW4870	RBMC125010, RBMC124210	-
THE TORCH™	14	6"	48-00-5782	6114R	RCM6X2, RRD6V	DW4866, DWA4186	RBFR66214, RBMC64214, RBFR66214W	DS0614BF
	14	9"	48-00-5787	9114R	RCM9X2, RRD9V	DW4868, DWA4188	RBMC95014, RBMC94214, RBFR96214W	DS0914BF
	14	12"	48-00-5794	12114R	RCM12X2	DW4838	RBMC125014, RBMC124214	DS1214BF
	18	6"	48-00-5784	6118R	RCM6X2	DW4867, DWA4186	RB65018, RBMC64218	DS0614BF
	18	9"	48-00-5788	9118R	RCM9X2	DW4869, DWA4188	RBMC95018, RBMC94218	DS0914BF
	18	12"	48-00-5789	12118R	RCM12X2	DW4871	RBMC125018, RBMC124218	DS1214BF
	24	6"	48-00-5786	-	-	-	RBMC64224	-
	24	9"	48-00-5790	824R	-	-	-	DS0920BF
	24	12"	48-00-5791	-	-	-	-	-
	THIN KERF ICE HARDENED™	14	6"	48-00-4182	614GR	-	-	-
14		9"	48-00-4187	-	-	-	-	-
18		6"	48-00-4184	618GR	-	-	-	-
18		9"	48-00-4188	818GR	-	-	-	-
18		12"	48-00-4189	-	-	-	-	-
24		6"	48-00-4186	624GR	-	-	-	-
THE TORCH™ ICE HARDENED™	10	6"	48-00-4712	6110GR	-	-	-	-
	10	9"	48-00-4713	9110GR	-	-	-	-
	14	6"	48-00-4782	6114GR	RECM6X2	-	-	-
	14	9"	48-00-4787	9114GR	RECM9X2	-	-	-
18	6"	48-00-4784	6118GR	DRECM6X2	-	-	-	
18	9"	48-00-4788	9118GR	DRECM9X2	-	-	-	
<b>WOOD CUTTING</b>								
THIN KERF	5	6"	48-00-5035	656R	RW66, RN66	DW4802, DW4847	RB63506, RB65006, RB65058, RB658	-
	5	9"	48-00-5036	956R	RSN9V, RW96, RN96	DW4803, DW4848	RB93506, RB95006	-
	5	12"	48-00-5037	156R	RW126, RN126	DW4804, DW4849	RB123506, RB125006, RB125058, RBMC125058ST, RBMC125023	-
THE AX™	5	6"	48-00-5021	6066R	RHN66	DW4862, DWA4166	RB66206C	DS0612BW, DS0606CWS
	5	9"	48-00-5026	966R	RHN96	DW4863, DWA4169	RB96206	DS0912BW, DS0906CWS
	5	12"	48-00-5027	106R	RHN126	DW4806, DWA41612	RB126206	DS1212BW, DS1206CWS
<b>MULTI-MATERIAL</b>								
THIN KERF	8/12	6"	48-00-5091	610R	RPRM6	DW4806, DW4845	-	-
	8/12	8"	48-00-5093	810R	RAP810	DW4846	RB8501014	DS0914AFC
	8/12	12"	48-00-5094	110R	RFM10V	DW4839	RB1250812	DS1214AFC
	10/14	8"	48-00-5193	-	-	-	-	-
	10/14	12"	48-00-5194	-	-	-	-	-
THE WRECKER™	8	6"	48-00-5701	6108R	RSM6X2, RDM6X2	DW4176	RB66206, RB66210	DS0614BGP
	8	9"	48-00-5706	9108R	RSM9X2, RDM9X2	DWA4179	RB96206, RB96210	DS0914BGP
	8	12"	48-00-5711	12108R	RSM12X2	DWA41712	RB126206, RB126210	-
THIN KERF ICE HARDENED™	8/12	6"	48-00-4091	-	-	-	-	-
	8/12	8"	48-00-4093	-	-	-	-	-
<b>SPECIALTY</b>								
DUCTWORK	30	3.33	48-00-1630	-	-	-	-	-
DRYWALL ACCESS	-	2.5	48-00-1640	-	-	-	-	-
FLUSH CUT	5	12"	48-00-1600	-	-	-	-	-
ROUGH-IN	5	7-3/8"	48-00-1610	-	-	-	-	-
PRUNING BLADE	5	9"	48-00-1301	-	RP95	-	RC905	DS0905FG
	5	12"	48-00-1303	-	RP125	-	-	DS1205FG
CLEAN WOOD	6	6"	48-00-5015	606R	RPRAP6, RSN6V	DW4850	RB6605T, RB658	-
	6	9"	48-00-5016	956R	RW96, RN96	-	RB93506, RB95006	-
	6	12"	48-00-5017	156R	-	-	RB123506, RB125006	-
SCROLLING	4/6	6"	48-00-5041	676RC	-	DW4816	RB65006C	-
	10	3-5/8"	48-00-5161	314RC	-	-	-	-
	14	3-5/8"	48-00-5162	314RC	-	DW4814	-	-
	18	3-5/8"	48-00-5163	318RC	RSM418	DW4815	RB318S	-
PLASTER	6	5"	48-00-5052	456RP	-	DW4851	RB606	-
CARBIDE GRIT	GRIT	6"	48-00-1420	600RG	RCB8G, RBDG6C	DW4844	RTCG6	-
	GRIT	9"	48-00-1430	800RP	RBDG9C	DW4843	RTCG8	DS0930CGX
THE TORCH™ DIAMOND GRIT	GRIT	6"	48-00-1440	-	-	-	RBDG6C	-
	GRIT	9"	48-00-1450	-	-	-	RBDG9C	DS0930DGX
GROUT REMOVAL TOOL	GRIT	-	49-00-5450	-	-	-	-	-
3" SCRAPER BLADE	-	5-1/2"	49-00-5456	-	-	-	-	-
1-1/2" SCRAPER BLADE	-	5-1/2"	49-00-5463	-	-	-	-	-

# HACK SAW & CIRC SAW BLADES

## HACK SAW BLADES

### Bi-Metal Blades

- Lasts up to 3X longer than conventional blades

Part Number	Length	TPI	Set	Pkg Qty
48-43-0600	12"	14	Raker	10
48-43-0610	12"	18	Raker	10
48-43-0620	12"	24	Wavy	10
48-43-0630	12"	32	Wavy	10

### Carbide Grit Blades

- Cuts cast iron, ceramic tile, fiberglass, slate, brick and marble

Part Number	Length	TPI	Set	Pkg Qty	Description
48-43-0200	12"	Carbide Grit	Med	1	Hack Saw
48-43-0250	12"	Carbide Grit	N/A	1	Rod Saw

## DRY CUT METAL CIRCULAR SAW BLADES

### LONG LIFE

- Micro ground carbide teeth stay sharper longer

### ACCURATE CUTS

- Fully hardened, tensioned steel plate prevents warping

### FAST CUTTING

- Extra thin kerf for faster, cleaner cuts



Diameter	Part Number	# of Teeth	Tooth Material	Arbor	Max RPM	Pkg Qty	Materials
6-1/2"	48-40-4005	60	Carbide	5/8"	4,200	1	Non-Ferrous
6-1/2"	48-40-4015	48	Carbide	5/8"	4,200	1	Ferrous
6-7/8"	48-40-4006	52	Carbide	20mm	4,200	1	Non-Ferrous
6-7/8"	48-40-4016	36	Carbide	20mm	4,200	1	Ferrous
8"	48-40-4515	42	Cermet	5/8"	5,000	1	Ferrous
8"	48-40-4520	50	Cermet	5/8"	5,000	1	Ferrous
8"	48-40-4530	60	Carbide	5/8"	5,000	1	Non-Ferrous
8"	48-40-4540	60	Carbide	5/8"	5,000	1	Non-Ferrous
14"	48-40-4505	72	Carbide	1"	1,800	1	Ferrous
14"	48-40-4510	90	Carbide	1"	1,800	1	Ferrous

## CONSTRUCTION CIRCULAR SAW BLADES

Diameter	Part Number	# of Teeth	Tooth Material	Arbor	Max RPM	Pkg Qty	Materials
6-1/2"	48-40-4108	24	Carbide	5/8"	7,000	1	Framing
6-1/2"	48-40-4112	40	Carbide	5/8"	7,000	1	Trim
7-1/4"	48-40-4116	16	Carbide	5/8"	7,000	1	Framing
7-1/4"	48-40-4120	24	Carbide	5/8"	7,000	1	Ripping
7-1/4"	48-40-4123	24	Carbide	5/8"	7,000	25	Ripping
7-1/4"	48-40-4126	40	Carbide	5/8"	7,000	1	Trim
7-1/4"	48-40-4132	48	Carbide	5/8"	7,000	1	Non-Ferrous
7-1/4"	48-40-4138	140	Steel	5/8"	7,000	1	Plywood
7-1/4"	48-40-4140	-	Steel	5/8"	7,000	1	Ferrous
8-1/4"	48-40-4148	18	Carbide	5/8"	7,000	1	Framing
8-1/4"	48-40-4150	24	Carbide	5/8"	7,000	1	Ripping
8-1/4"	48-40-4152	40	Carbide	5/8"	7,000	1	Trim
10"	48-40-4160	24	Carbide	5/8"	6,000	1	Framing
10"	48-40-4162	40	Carbide	5/8"	6,000	1	Trim
10"	48-40-4164	60	Carbide	5/8"	6,000	1	Trim
10"	48-40-4166	80	Carbide	5/8"	6,000	1	Trim
10"	48-40-4168	80	Carbide	5/8"	6,000	1	Non-Ferrous
10-1/4"	48-40-4170	28	Carbide	5/8"	6,000	1	Ripping
10-1/4"	48-40-4172	40	Carbide	5/8"	6,000	1	Trim

## JIG SAW BLADES

### BI-METAL BLADES

- Combines high speed steel and high carbon steel for extreme versatility

### HIGH SPEED STEEL BLADES

- Fully hardened blade for cutting ferrous and non-ferrous metals

### HIGH CARBON STEEL BLADES

- Good for soft materials like wood and plastic

### T-Shank



### U-Shank



	Length	TPI	Part Number	Qty	Blade Material	Recommended Use	Shank
GENERAL PURPOSE	4"	6	48-42-5300	5	Bi-Metal	Fast cutting, nail embedded wood	T-Shank
	4"	10	48-42-5310	5	Bi-Metal	Fast cutting, nail embedded wood	T-Shank
	3"	12	48-42-5390	5	Bi-Metal	Scroll cutting in wood & metal	T-Shank
	4"	6	48-42-5200	5	High Carbon Steel	Very fast rough cutting, wood	T-Shank
	4"	8	48-42-5220	5	High Carbon Steel	Fast straight cutting, wood	T-Shank
	4"	6	48-42-2300	5	Bi-Metal	Fast cutting, nail embedded wood	U-Shank
	4-1/8"	10	48-42-2310	5	Bi-Metal	Fast cutting, nail embedded wood	U-Shank
	2-3/4"	12	48-42-2390	5	Bi-Metal	Scroll cutting in wood & metal	U-Shank
	4"	6	48-42-0200	5	High Carbon Steel	Very fast rough cutting, wood	U-Shank
4"	8	48-42-0220	5	High Carbon Steel	Fast straight cutting, wood	U-Shank	
WOOD CUTTING	4"	6	48-42-5302	5	Bi-Metal	Very fast clean cutting	T-Shank
	4"	10	48-42-5311	5	Bi-Metal	Fast clean cutting	T-Shank
	3"	20	48-42-5385	5	Bi-Metal	Scroll cutting in wood & laminates	T-Shank
	4"	6	48-42-5421	5	High Carbon Steel	Very fast rough cutting	T-Shank
	4"	6	48-42-5500	5	High Carbon Steel	Very fast clean cutting	T-Shank
	4"	6	48-42-5512	5	High Carbon Steel	Very fast, rough curve cutting	T-Shank
	4"	10	48-42-5240	5	High Carbon Steel	Clean cutting	T-Shank
	4"	10	48-42-5540	5	High Carbon Steel	Reverse tooth, no top splinters	T-Shank
	3"	12	48-42-5640	5	High Carbon Steel	Clean scroll cutting	T-Shank
	4"	6	48-42-2302	5	Bi-Metal	Very fast clean cutting	U-Shank
	4"	10	48-42-2311	5	Bi-Metal	Fast clean cutting	U-Shank
	2-3/4"	20	48-42-2385	5	Bi-Metal	Scroll cutting in wood & laminates	U-Shank
	4"	6	48-42-0421	5	High Carbon Steel	Very fast rough cutting	U-Shank
	4"	6	48-42-0500	5	High Carbon Steel	Very fast clean cutting	U-Shank
	3-1/8"	8	48-42-0240	5	High Carbon Steel	Clean cutting	U-Shank
	3-5/8"	10	48-42-0540	5	High Carbon Steel	Straight clean cutting	U-Shank
	4"	10	48-42-0640	5	High Carbon Steel	Reverse tooth, no top splinters	U-Shank
2-3/4"	12	48-42-0650	5	High Carbon Steel	Clean scroll cutting	U-Shank	
METAL CUTTING	4"	8	48-42-5850	5	Bi-Metal	Aluminum, non-ferrous metals	T-Shank
	3"	14	48-42-5190	5	Bi-Metal	Thick metal over 1/4 inch thick	T-Shank
	5-1/4"	14	48-42-5192	5	Bi-Metal	Thick metal, tubing, etc.	T-Shank
	3"	18	48-42-5121	5	Bi-Metal	Metal over 1/8 inch thick	T-Shank
	3"	24	48-42-5161	5	Bi-Metal	Metal under 1/8 inch thick	T-Shank
	5-1/4"	24	48-42-5166	5	Bi-Metal	Thin metal under 1/8 inch thick	T-Shank
	3"	14	48-42-5101	5	High Speed Steel	Metal over 1/4 inch thick	T-Shank
	4"	8	48-42-0850	5	Bi-Metal	Aluminum, non-ferrous metals	U-Shank
	3-5/8"	14	48-42-2190	5	Bi-Metal	Thick metal over 1/4 inch thick	U-Shank
	5"	14	48-42-2192	5	Bi-Metal	Thick metal, tubing, etc.	U-Shank
	2-3/4"	18	48-42-2120	5	Bi-Metal	Metal over 1/8 inch thick	U-Shank
	2-3/4"	24	48-42-2160	5	Bi-Metal	Metal under 1/8 inch thick	U-Shank
	5"	24	48-42-2166	5	Bi-Metal	Thin metal under 1/8 inch thick	U-Shank
	2-3/4"	14	48-42-0101	5	High Speed Steel	Metal over 1/4 inch thick	U-Shank
	2-3/4"	18	48-42-0120	5	High Speed Steel	Metal over 1/8 inch thick	U-Shank
2-3/4"	24	48-42-0140	5	High Speed Steel	Metal under 1/8 inch thick	U-Shank	
SPECIALTY	2-3/4"	GRIT	48-42-0801	5	Carbide-Tipped	Ceramics, tile	U-Shank

## JIG SAW BLADE SETS

5 Pk T-Shank Blade Assortment 49-22-1178	5 Pk U-Shank Blade Assortment 49-22-1168
<b>Includes:</b> <ul style="list-style-type: none"> <li>48-42-5121 Metal cutting blade</li> <li>48-42-5190 Metal cutting blade</li> <li>48-42-5310 General purpose blade</li> <li>48-42-5161 Metal cutting blade</li> <li>48-42-5300 General purpose blade</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>48-42-2120 Metal cutting blade</li> <li>48-42-2300 General purpose blade</li> <li>48-42-2310 General purpose blade</li> <li>48-42-2160 Metal cutting blade</li> <li>48-42-2190 Metal cutting blade</li> </ul>

# HOLE SAWS

## HOLE SAW SELECTION GUIDE

1 Identify the material to be cut in the columns below    2 Choose the appropriate product **RECOMMENDED** or **ACCEPTABLE**

	METAL	STAINLESS STEEL	ALUMINUM & OTHER NON-FERROUS METALS	DUCT	WOOD WITH NAILS	CEILING TILE	PLASTER/ DRYWALL	PVC & PLASTICS	CLEAN WOOD	FIBERGLASS	CEMENT BOARD	TILE	GRANITE	BRICK & BLOCK	CAST IRON	
HOLE SAWS	BI-METAL															
	CARBIDE TIPPED															
	CARBIDE GRIT															
	DIAMOND GRIT															
	RECESSED LIGHT															
	ADJUSTABLE HOLE CUTTER															
PILOT BITS	IMPACT HOLE SAWS															
	THUNDERBOLT®															
	CARBIDE TIPPED															

### BI-METAL HOLE SAWS

Size	Metric	Hanging Container	Shrink Wrap	Packaged with Arbor	Bulk Package Item Qty	Conduit & Pipe	Pipe Tap	Copper Tube
9/16"	14 mm	49-56-0002	49-56-9690					
5/8"	16 mm	49-56-0012	49-56-9603					1/4"
11/16"	18 mm	49-56-0017	49-56-9604					3/8"
3/4"	19 mm	49-56-0023	49-56-9605		49-56-5090 25	3/8"	1/2"	1/2"
13/16"	21 mm	49-56-0027	49-56-9606					
7/8"	22 mm	49-56-0032	49-56-9607		49-56-5100 25	1/2"	3/4"	5/8"
15/16"	24 mm	49-56-0037	49-56-9608					
1"	25 mm	49-56-0043	49-56-9609	49-56-9662	49-56-5110 25			3/4"
1-1/16"	27 mm	49-56-0047	49-56-9610					
1-1/8"	29 mm	49-56-0052	49-56-9611	49-56-9663	49-56-5120 25	3/4"	1"	
1-3/16"	30 mm	49-56-0057	49-56-9612		49-56-5125 25			
1-1/4"	32 mm	49-56-0062	49-56-9613	49-56-9664	49-56-5130 25			1"
1-1/4" ; 1/2" - 20*	32 mm	49-56-0063	49-56-9693					
1-5/16"	33 mm	49-56-0067	49-56-9614					
1-3/8"	35 mm	49-56-0072	49-56-9615		49-56-5140 25	1"		
1-3/8" ; 1/2" - 20*	35 mm	49-56-0073	49-56-9694					
1-7/16"	37 mm	49-56-0077	49-56-9616					
1-1/2"	38 mm	49-56-0082	49-56-9617	49-56-9665	49-56-5150 25		1-1/4"	1-1/4"
1-9/16"	40 mm	49-56-0087	49-56-9618					
1-5/8"	41 mm	49-56-0092	49-56-9619		49-56-5152 25			
1-11/16"	43 mm	49-56-0097	49-56-9620					
1-3/4"	44 mm	49-56-0102	49-56-9621	49-56-9666	49-56-5155 25	1-1/4"	1-1/2"	1-1/2"
1-13/16"	46 mm	49-56-0107	49-56-9622					
1-7/8"	48 mm	49-56-0112	49-56-9623					
2"	51 mm	49-56-0117	49-56-9624	49-56-9667	49-56-5160 25	1-1/2"		
2-1/16"	52 mm	49-56-0122	49-56-9625					
2-1/8"	54 mm	49-56-0127	49-56-9626	49-56-9668	49-56-5165 25			
2-1/4"	57 mm	49-56-0132	49-56-9628		49-56-5167 25		2"	2"
2-5/16"	59 mm	49-56-0137	49-56-9629					
2-3/8"	60 mm	49-56-0142	49-56-9630					
2-1/2"	64 mm	49-56-0147	49-56-9631	49-56-9669	49-56-5170 25	2"		
2-9/16"	65 mm	49-56-0153	49-56-9632					
2-5/8"	67 mm	49-56-0158	49-56-9633		49-56-5175 16		2-1/2"	
2-11/16"	68 mm	49-56-0159	49-56-9634					
2-3/4"	70 mm	49-56-0163	49-56-9635					
2-7/8"	73 mm	49-56-0167	49-56-9636					
3"	76 mm	49-56-0173	49-56-9637	49-56-9670	49-56-5180 16	2-1/2"		2-1/2"
3-1/8"	79 mm	49-56-0177	49-56-9638					
3-1/4"	83 mm	49-56-0183	49-56-9639				3"	
3-3/8"	86 mm	49-56-0187	49-56-9640					
3-1/2"	89 mm	49-56-0193	49-56-9641		49-56-5190 9			
3-5/8"	92 mm	49-56-0197	49-56-9642		49-56-5195 9	3"		
3-3/4"	95 mm	49-56-0203	49-56-9643				3-1/2"	
3-7/8"	98 mm	49-56-0207	49-56-9644					
4"	102 mm	49-56-0213	49-56-9645		49-56-5200 9			
4-1/8"	105 mm	49-56-0217	49-56-9646		49-56-5205 9	3-1/2"		3-1/2"
4-1/4"	108 mm	49-56-0223	49-56-9647				4"	4"
4-3/8"	111 mm	49-56-0227	49-56-9648					
4-1/2"	114 mm	49-56-0233	49-56-9649				4"	
4-3/4"	121 mm	49-56-0237	49-56-9650					
5"	127 mm	49-56-0243	49-56-9652					
5-1/4"	133 mm	49-56-0244	49-56-9653					
5-1/2"	140 mm	49-56-0247	49-56-9654					
5-3/4"	146 mm	49-56-0249	49-56-9655			5"		5"
6"	152 mm	49-56-0253	49-56-9656					

\* 1/2" - 20 fits on arbours 49-56-7210, 49-56-7010, 49-56-7000, 49-56-6950

# HOLE DOZER™

## MOST DURABLE HOLE SAW. PERIOD.



**RIP GUARD™**  
Tooth Design  
Prevents Breaking

- Added steel for tooth strength

**YOU BREAK IT. WE REPLACE IT.**

**PLUG JACK™**  
All-Access Slot

- Wider slots with multiple leverage positions



## HOLE DOZER™ BI-METAL HOLE SAW KITS

### GENERAL PURPOSE



	9 Pc Kit 49-22-4005	13 Pc Kit 49-22-4025	15 Pc Kit 49-22-4175	28 Pc All Purpose Pro Kit 49-22-4185
Hole Saws	3/4", 7/8", 1", 1-1/8", 1-1/2"	3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/8", 2-1/2"	3/4", 7/8", 1", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/8", 2-1/4", 2-1/2"	3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/8", 2-1/4", 2-1/2", 2-5/8", 3", 3-1/4", 3-3/8", 3-5/8", 3-3/4", 4-1/8", 4-1/4", 4-1/2", 4-3/4"
Arbors	49-56-7210 <b>»TWIST »RELEASE»</b>	49-56-7010, 49-56-7250	49-56-7010, 49-56-9100	49-56-7000, 49-56-7010, 49-56-9100
Pilot Bits	Additional (2) 49-56-8010	(2) 49-56-8010	Additional (2) 49-56-8010	Additional (3) 49-56-8010
Other	Adapter, Spacer, 1/8" Hex Key	1/8" Hex Key	1/8" Hex Key	1/8" Hex Key

### ELECTRICIAN'S



	7 Pc Electrician's Kit 49-22-4088	8 Pc Electrician's Large Diameter Kit 49-22-4092	10 Pc Electrician's Kit 49-22-4095	19 Pc Master Electrician's Kit 49-22-4105
Hole Saws	7/8", (2) 1-1/8", 1-3/8"	2", 2-1/2", 3", 3-5/8", 4-1/8", 4-1/2"	7/8", 1-1/8", 1-3/8", 1-3/4", 2", 2-1/2"	3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-5/8", 3", 3-5/8", 4-1/8", 4-3/4"
Arbors	49-56-7010	49-56-9100	49-56-7010, 49-56-9100	49-56-7010, 49-56-9100
Pilot Bits	Additional 49-56-8010	Additional 49-56-8010	Additional (2) 49-56-8010	Additional (3) 49-56-8010
Other	Adapter, Spacer, 1/8" Hex Key	1/8" Hex Key	1/8" Hex Key	1/8" Hex Key

### PLUMBER'S



	8 Pc Plumber's Kit 49-22-4138	10 Pc Plumber's Kit 49-22-4145	12 Pc Plumber's Large Diameter Kit 49-22-4142	18 Pc Master Plumber's Kit 49-22-4155
Hole Saws	3/4", 7/8", 1-1/8", 1-3/8", 1-1/2"	3/4", 7/8", 1-1/8", 1-1/2", 1-3/4", 2-1/4"	1-1/2", 2-1/4", 2-9/16", 3", 3-1/2", 4", 4-1/4", 4-1/2"	3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2-1/4", 2-5/8", 3", 3-1/2", 4", 4-1/4", 4-1/2"
Arbors	49-56-7010	49-56-7010, 49-56-9100	49-56-9100	49-56-7010, 49-56-9100
Pilot Bits	Additional 49-56-8010	Additional (2) 49-56-8010	Additional 49-56-8010	Additional (3) 49-56-8010
Other	Adapter, Spacer, 1/8" Hex Key	1/8" Hex Key	1/8" Hex Key	1/8" Hex Key

### SPECIALTY



	7 Pc Mechanic's Kit 49-22-4081	7 Pc Automotive Kit 49-22-4083	8 Pc Locksmith's Kit 49-22-4074	8 Pc Refrigeration Kit 49-22-4079	8 Pc Welder's Kit 49-22-4076	Door Lock Kit 49-22-4063	10 Pc Door Lock Installation Kit 49-22-4073
Hole Saws	7/8", 1", 1-1/8", 1-1/4", 1-1/2"	3/4", 7/8", 1", 1-1/8", 1-1/4"	7/8", 1", 1-1/4", 1-1/2", 1-3/4", 2-1/8"	5/8", 7/8", 1-1/8", 1-3/8", 1-5/8", 2-1/8"	3/4", 7/8", 1", 1-1/4", 1-1/2", 2"	1", 2-1/8"	1", 2-1/8"
Arbors	49-56-7010	49-56-7010	49-56-7010, 49-56-7250	49-56-7010, 49-56-7250	49-56-7010, 49-56-7250	49-56-7010	49-56-7010
Pilot Bits							(2) 1/8", (2) 3/32"
Other	Adapter, Spacer, 1/8" Hex Key	Adapter, Spacer, 1/8" Hex Key	1/8" Hex Key	1/8" Hex Key	1/8" Hex Key	Adapter, Spacer	Installation Guide, Adapter, Spacer, Depth Stop Insert



## RECESSED LIGHT HOLE SAWS

ADJUSTABLE



**Debris Shield Collar**

**Tool-Free Adjustability (2" - 7")**

Description	Individual Package
Adjustable Hole Cutter (2" - 7")	49-56-0270
Adjustable Hole Cutter Replacement	49-56-0290



**SPECIALTY FOR RECESSED LIGHTING**

CONTINUOUS GRIT



**Continuous Grit Edge for Smooth Cuts**

**Open Back for Easy Plug Removal**

**Solid, Welded Construction for Accurate Hole Sizes**

Size	Description	Individual Package
3-1/8"	Recessed Light Hole Saw	49-56-0296
4-3/8"	Recessed Light Hole Saw	49-56-0300
5-3/8"	Recessed Light Hole Saw	49-56-0303
6-3/8"	Recessed Light Hole Saw	49-56-0305
6-5/8"	Recessed Light Hole Saw	49-56-0310
6-7/8"	Recessed Light Hole Saw	49-56-0315

All sizes include pilot bit.



## CARBIDE TIPPED HOLE SAWS



**Aggressive Tooth Form for Fast Cutting**

**Tungsten Carbide Tipped for Long Life**

**Wide, Angled & Offset Slots for Easy Plug Removal**



**SPECIALTY FOR HARD & ABRASIVE MATERIALS**

Size	Individual Package	Conduit & Pipe	Pipe Tap	Copper Tube
5/8"	49-56-0623			
3/4"	49-56-0753	3/8"	1/2"	1/2"
7/8"	49-56-0873	1/2"	3/4"	5/8"
1"	49-56-1003			3/4"
1-1/8"	49-56-1123	3/4"	1"	
1-1/4"	49-56-1253			1"
1-3/8"	49-56-1373	1"		
1-1/2"	49-56-1503		1-1/4"	1-1/4"
1-5/8"	49-56-1623			
1-3/4"	49-56-1753	1-1/4"	1-1/2"	1-1/2"

Size	Individual Package	Conduit & Pipe	Pipe Tap	Copper Tube
1-7/8"	49-56-1873			
2"	49-56-2003	1-1/2"		
2-1/8"	49-56-2123			
2-1/4"	49-56-2253		2"	2"
2-3/8"	49-56-2373			
2-1/2"	49-56-2503	2"		
2-5/8"	49-56-2623		2-1/2"	
2-3/4"	49-56-2753			
2-7/8"	49-56-2873			
3"	49-56-3003	2-1/2"		2-1/2"

Size	Individual Package	Conduit & Pipe	Pipe Tap	Copper Tube
3-1/4"	49-56-3253		3"	
3-1/2"	49-56-3503			
3-5/8"	49-56-3623	3"		
3-3/4"	49-56-3753		3-1/2"	
4"	49-56-4003			
4-1/4"	49-56-4253		4"	4"
4-1/2"	49-56-4503	4"		
5"	49-56-5003			
6"	49-56-6003			

## CARBIDE GRIT HOLE SAWS



**Coarse Grit & Segmented Edge for Fast Cutting**

**Wide, Angled & Offset Slots for Easy Plug Removal**

Size	Individual Package	Conduit & Pipe	Copper Tube
3/4"	49-56-0405	3/8"	1/2"
7/8"	49-56-0409	1/2"	5/8"
1"	49-56-0413		3/4"
1-1/8"	49-56-0417	3/4"	
1-1/4"	49-56-0422		1"
1-3/8"	49-56-0426	1"	
1-3/4"	49-56-0437	1-1/4"	1-1/2"
2	49-56-0444	1-1/2"	
2-1/4"	49-56-0449		2"
2-1/2"	49-56-0456	2"	

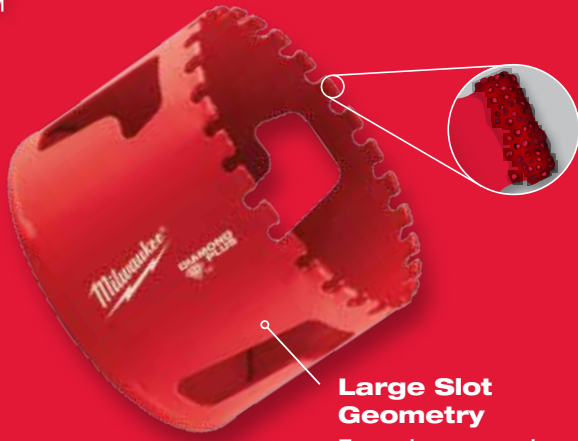
All sizes include carbide tipped pilot bit.



**SPECIALTY FOR ABRASIVE MATERIALS**



## DIAMOND GRIT HOLE SAWS



**Large Slot Geometry**  
Easy plug removal

**Higher Grade Diamonds**  
Greater heat resistance  
Fewer fractures

**Improved Braze**  
Stronger bond between diamonds and cup  
Higher diamond retention

UP TO  
**10x LIFE**

**IDEAL FOR TILE AND STONE**



### One-Piece Hole Saws



Size	Individual Package	Size	Individual Package
3/16"	49-56-0503	1/2"	49-56-0511
1/4"	49-56-0505	5/8"	49-56-0513
5/16"	49-56-0507	3/4"	49-56-0515
3/8"	49-56-0509	1"	49-56-0517

### Threaded Hole Saws



Size	Individual Package
7/8"	49-56-5605
1-1/8"	49-56-5615
1-1/4"	49-56-5620
1-3/8"	49-56-5625
1-1/2"	49-56-5630
2"	49-56-5645
2-1/2"	49-56-5660

### Threaded Hole Saw Accessories



Description	Individual Package
Large Arbor w/ Retractable Starter Bit (1-1/4" and Larger)	49-56-7135
Retractable Starter Bit	49-56-8025
Angle Grinder Adapter (7/8" to 1-1/8")	49-56-7103
Angle Grinder Adapter (1-1/4" and Larger)	49-56-7105

## IMPACT HOLE SAWS



**Ejection Spring**  
Automatically  
Removes Slugs

**Thin Wall 8 TPI for Fast,**  
Burr-Free Holes

**Stop Shoulder Prevents**  
Over-Drilling

**1/4" Hex Shank for Use in**  
Impact Drivers

Up To  
**40%**  
Faster

**ENGINEERED FOR**  
IMPACT DRIVERS



### SHOCKWAVE™ Impact Hole Saws

Size	Individual Package	Size	Individual Package	Size	Individual Package
3/4"	49-56-9805	1-1/8"	49-56-9820	1-3/8"	49-56-9830
7/8"	49-56-9810	1-1/4"	49-56-9825	1-1/2"	49-56-9835
1"	49-56-9815				

### Kit

**3 Pc SHOCKWAVE™**  
**Impact Hole Saw Kit**  
49-22-4800  
**Includes:** 7/8", 1-1/8", 1-3/8"



# HOLE SAWS

## ARBORS FOR HOLE SAWS

### UNIVERSAL FIT

- Works with all major brands of hole saws
- Accepts any 1/4" straight or 3-flat shank pilot bit

### DURABLE

- Made from hardened steel and alloy steel for greater durability

### QUICK CHANGE ARBORS

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



TOOL FREE OPERATION



	49-56-7210	49-56-7010	49-56-7000	49-56-6950	49-56-7055	49-56-7040	49-56-9100	49-56-7250	49-56-7240
	Quick Change				Quick Change		Quick Change	Quick Change	Quick Change
Hole Saw Size Range	Up to 1-3/16"				1-1/4" & Larger				
Minimum Chuck Size	3/8"	3/8"	1/2"	1/4"	1/2"	3/8"	1/2"	3/8"	1/2"
Works with Pilot Bits	49-56-8000, 49-56-8010, 49-56-8005			49-56-8000, 49-56-8005		49-56-8000, 49-56-8010, 49-56-8005			

## PILOT BITS FOR HOLE SAWS

### DURABLE

- THUNDERBOLT® tapered web resists breaking

### UNIVERSAL FIT

- Will work with most brands of arbors

### STARTS ON CONTACT

- 135° split point for precision start and no walking

### No SPIN

- 3-Flat shank won't slip in arbor or chuck on THUNDERBOLT® bits

135° Split Point -  
No Walking



UP TO **5X MORE DURABLE**

Description	Length	Diameter	Individual Package	Bulk Package		For Use With
				Item	Qty	
HSS THUNDERBOLT® Bit	3-1/2"	1/4"	49-56-8010	49-56-8033	12	Metal, wood, drywall, plaster, plastics, fiberglass
HSS THUNDERBOLT® Bit	4"	1/4"	49-56-8000	49-56-8031	12	Metal, wood, drywall, plaster, plastics, fiberglass
Carbide Tipped Bit	4"	1/4"	49-56-8005			Fiberglass, cement board, tile, brick, block



## ENGINEERED FOR IMPACT DRIVERS

Up To  
**10x**  
Life



**\*SHOCK ZONE GEOMETRY™**

Reduces stress at the tip  
\*patent pending



**CUSTOM ENGINEERED STEEL**  
High shock resistance



**COMPRESSION FORGED TIP**  
Ideal fit and reduces breakage

**IMPACT DRIVING STRESS COMPARISON**  
STANDARD BIT VS. SHOCKWAVE™ BIT

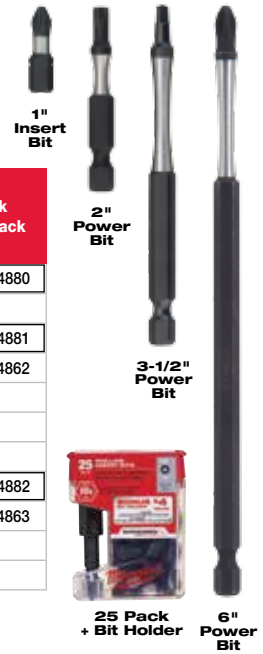


**SHOCKWAVE™ Absorbs Impact and Completes Application**

## DRIVER BITS INCLUDING **EXPAND**

### PHILLIPS® BITS

Bit	Length	1 Pack	2 Pack	5 Pack	15 Pack	25 Pack	25 Pack + Compact Magnetic Bit Holder	Bulk 10 Pack	Bulk 25 Pack	Bulk 250 Pack
P1	1"	-	48-32-4411	48-32-4661	-	-	-	-	48-32-4711	48-32-4880
	2"	48-32-4461	-	-	-	-	-	-	48-32-4760	-
P2	1"	-	48-32-4412	48-32-4601	48-32-5003	48-32-4604	48-32-5009	-	48-32-4712	48-32-4881
	2"	48-32-4462	-	48-32-4602	48-32-5004	-	-	-	48-32-4762	48-32-4862
	3.5"	48-32-4562	-	48-32-4564	-	-	-	-	48-32-4791	-
	6"	48-32-4802	-	-	-	-	-	48-32-4807	-	-
P2R	1"	-	48-32-4444	-	-	-	-	48-32-4746	-	-
P3	1"	-	48-32-4413	48-32-4663	-	-	-	-	48-32-4713	48-32-4882
	2"	48-32-4463	-	-	-	-	-	-	48-32-4763	48-32-4863
	3.5"	48-32-4563	-	-	-	-	-	-	48-32-4792	-
	6"	-	-	-	-	-	-	48-32-4808	-	-



### SQUARE RECESS BITS

Bit	Length	1 Pack	2 Pack	5 Pack	10 Pack	Bulk 10 Pack	Bulk 25 Pack
SQ1	1"	-	48-32-4421	48-32-4621	-	-	48-32-4761
	2"	48-32-4471	-	-	-	-	48-32-4771
	3.5"	-	-	-	-	-	48-32-4794
SQ2	1"	-	48-32-4422	48-32-4605	48-32-5008	-	48-32-4722
	2"	48-32-4472	-	48-32-4606	-	-	48-32-4772
	3.5"	48-32-4572	-	-	-	-	48-32-4795
	6"	48-32-4805	-	-	-	48-32-4815	-
SQ3	1"	-	48-32-4423	-	-	-	48-32-4723
	2"	48-32-4473	48-32-4910	-	-	-	48-32-4773
	3.5"	48-32-4573	-	-	-	-	48-32-4796
	6"	-	-	-	-	48-32-4816	-

### ECX™ BITS

Bit	Length	2 Pack	5 Pack	Bulk 25 Pack
ECX1	1"	48-32-4441	-	48-32-4741
	2"	-	48-32-4491	48-32-4744
ECX2	1"	48-32-4442	-	48-32-4742
	2"	-	48-32-4492	48-32-4745
ECX Combo (#1, #2)	2"	48-32-4443	-	-

**ANTI-STRIP TIP**  
Designed for Phillips, Slotted, and Square combination on electrical fasteners



\* TORX® is a registered trademark of Acument Intellectual Properties, LLC.  
\*\* Phillips® is a registered trademark of Phillips Screw Company.

**TORX® BITS**

Bit	Length	1 Pack	2 Pack	5 Pack	7 Pack	Bulk 10 Pack	Bulk 25 Pack
T10	2"	48-32-4482	-	-	-	-	48-32-4782
	1"	-	-	-	-	-	48-32-4734
T15	2"	48-32-4483	-	-	-	-	48-32-4783
	3.5"	-	-	-	-	-	48-32-4594
T20	1"	-	48-32-4414	-	-	-	48-32-4735
	2"	48-32-4484	48-32-4984	-	-	-	48-32-4784
	3.5"	-	-	-	-	-	48-32-4595
T25	1"	-	48-32-4436	-	-	-	48-32-4736
	2"	48-32-4485	48-32-4985	48-32-4685	-	-	48-32-4785
	3.5"	48-32-4561	-	-	-	-	48-32-4596
	6"	-	-	-	-	48-32-4846	-
T27	2"	48-32-4486	-	-	-	-	48-32-4786
	3.5"	-	-	-	-	-	48-32-4597
T30	2"	48-32-4487	48-32-4914	-	-	-	48-32-4787
	3.5"	-	-	-	-	-	48-32-4598
T40	2"	-	-	-	-	-	48-32-4788
7 Pc Torx® Insert Bits (T10, T15, T20, T25, T27, T30, T40)		-	-	-	48-32-4615	-	-

**SLOTTED BITS**

Bit	Length	1 Pack	2 Pack	Bulk 25 Pack
SL 7/64" (3-4)	1"	-	-	48-32-4715
	2"	-	-	48-32-4755
SL 1/8" (4-5)	1"	-	48-32-4416	48-32-4716
	2"	48-32-4916	-	48-32-4756
SL 3/16" (6-8)	1"	-	48-32-4417	48-32-4717
	2"	48-32-4919	-	48-32-4757
SL 1/4" (8-10)	1"	-	48-32-4418	48-32-4718
	2"	48-32-4918	-	48-32-4758
SL 9/32" (10-12)	1"	-	-	48-32-4719
	2"	-	-	48-32-4759

**MAGNETIC NUT DRIVERS INCLUDING EXPAND**

- **Color Coded Band**  
For easy identification
- **Chamfered Edge**  
For improved clearance
- **Radius Corners**  
Drives on flats to reduce stripping and breakage



Hex Size	Color Identification Band
1/4"	Red
5/16"	Yellow
3/8"	Blue
7/16"	Brown
1/2"	Red
7 mm	Orange/Gray
8 mm	Yellow/Gray
10 mm	Blue/Gray
12 mm	Red/Gray
13 mm	Orange/Gray



Length	Size	1 Pack	3 Pack	Bulk 10 Pack	Bulk 250 Pack
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	49-66-4702	-
	5/16"	49-66-4503	49-66-4523	49-66-4703	-
	3/8"	49-66-4505	49-66-4525	49-66-4705	-
	7/16"	49-66-4506	49-66-4526	49-66-4706	-
2-9/16"	1/4"	49-66-4532	-	49-66-4732	49-66-4832
	5/16"	49-66-4533	-	49-66-4733	49-66-4833
	3/8"	49-66-4535	-	49-66-4735	49-66-4835
	7/16"	49-66-4536	-	49-66-4736	-
	1/2"	49-66-4537	-	49-66-4737	-
	7mm	-	-	49-66-4607	-
	8mm	-	-	49-66-4608	-
	10mm	-	-	49-66-4610	-
	12mm	-	-	49-66-4612	-
	13mm	-	-	49-66-4613	-



<b>Product No.</b>	49-66-4561	49-66-4562	49-66-4563
<b>Description</b>	3 Pc Set	4 Pc Set	5 Pc Insert Set
<b>Length</b>	1-7/8"	1-7/8"	Insert
<b>Contents</b>	1/4", 5/16", 3/8"	1/4", 5/16", 3/8", 7/16"	1/4", 5/16", 3/8", 7/16", 1/2"

## SHOCKWAVE™ IMPACT DUTY SETS



<b>15 Pc SHOCKWAVE™ 1" Insert Bit Phillips #2 Set</b> 48-32-5003	<b>15 Pc SHOCKWAVE™ 2" Power Bit Phillips #2 Set</b> 48-32-5004	<b>10 Pc SHOCKWAVE™ 1" Square Recess Insert Bit #2 Set</b> 48-32-5008	<b>25 Pc SHOCKWAVE™ 1" Insert Bit Phillips #2 Set</b> 48-32-5009	<b>10 Pc SHOCKWAVE™ 1" Square Recess Insert Bit Phillips #2 Set</b> 48-32-4607
<b>Includes:</b> <ul style="list-style-type: none"> <li>(15) 1" Phillips #2 (Gravity Feed Merchandiser)</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>(15) 2" Phillips #2 (Gravity Feed Merchandiser)</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>(10) 1" Square Recess #2 (Gravity Feed Merchandiser)</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>(25) 1" Phillips #2</li> <li>(1) SHOCKWAVE™ 2.36" Magnetic Bit Tip Holder</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>(10) 1" Square Recess #2 (PDQ Tray Merchandiser)</li> </ul>



<b>25 Pc SHOCKWAVE™ 1" Insert Bit Phillips #2 Set</b> 48-32-4604	<b>12 Pc SHOCKWAVE™ Drive Guide Set</b> 48-32-4507	<b>22 Pc SHOCKWAVE™ Puck (10 per Tube)</b> 48-32-4011	<b>22 Pc SHOCKWAVE™ Puck</b> 48-32-4012
<b>Includes:</b> <ul style="list-style-type: none"> <li>(25) 1" Phillips #2 (PDQ Tray Merchandiser)</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>1" ECX™ Bits: (1) ECX #1, (1) ECX #2</li> <li>1" Phillips Bits: (1) PH #2, (1) PH #3</li> <li>1" Slotted Bits: (1) SL 1/4", (1) SL 3/16"</li> <li>1" Square Bits: (1) SQ #2</li> <li>1" TORX® Bits: (1) TX15, (1) TX20, (1) TX25</li> <li>(1) SHOCKWAVE™ 3" Magnetic Drive Guide</li> <li>(1) Drive Guide Case</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>1" Slotted Bits: (1) SL 1/8", (1) SL 3/16", (1) SL 1/4", (1) SL 9/32"</li> <li>1" Phillips Bits: (1) PH #1, (3) PH #2, (2) PH #3</li> <li>1" Square Bits: (1) SQ #1, (3) SQ #2, (1) SQ #3</li> <li>1" TORX® Bits: (1) TX10, (1) TX15, (1) TX20, (1) TX25, (1) TX27, (1) TX30</li> <li>(1) SHOCKWAVE™ 2.36" Magnetic Bit Holder (Gravity Feed Merchandiser)</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>1" Slotted Bits: (1) SL 1/8", (1) SL 3/16", (1) SL 1/4", (1) SL 9/32"</li> <li>1" Phillips Bits: (1) PH #1, (3) PH #2, (2) PH #3</li> <li>1" Square Bits: (1) SQ #1, (3) SQ #2, (1) SQ #3</li> <li>1" TORX® Bits: (1) TX10, (1) TX15, (1) TX20, (1) TX25, (1) TX27, (1) TX30</li> <li>(1) SHOCKWAVE™ 2.36" Magnetic Bit Holder (PDQ Tray Merchandiser)</li> </ul>



<b>18 Pc SHOCKWAVE™ Driver Bit Set</b> 48-32-4403	<b>26 Pc SHOCKWAVE™ Drive and Fasten Set</b> 48-32-4408	<b>32 Pc SHOCKWAVE™ Driver Bit Set</b> 48-32-4004	<b>36 Pc SHOCKWAVE™ Drill and Drive Set</b> 48-32-4005	<b>36 Pc SHOCKWAVE™ Drill and Drive Set</b> 48-32-4006
<b>Includes:</b> <ul style="list-style-type: none"> <li>Phillips Bits: 1" - (1) PH #1, (1) PH #2, (1) PH #3; 2" - (2) PH #2, (1) PH #3; 3-1/2" - (1) PH #2</li> <li>Slotted Bits: 1" - (1) SL #8, (1) SL #10</li> <li>Square Bits: 1" - (1) SQ #1, (1) SQ #2; 2" - (2) SQ #2, (1) SQ #3; 3-1/2" - (1) SQ #2</li> <li>TORX® Bits: 2" - (1) TX15, (1) TX20</li> <li>(1) Case with Bulk Storage Container</li> <li>(1) SHOCKWAVE™ Magnetic Bit Holder</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>Phillips Bits: 1" - (1) PH #1, (3) PH #2, (1) PH #3; 2" - (1) PH #2</li> <li>Square Bits: 1" - (1) SQ #1, (2) SQ #2, (1) SQ #3; 2" - (1) SQ #2</li> <li>TORX® Bits: 1" - (2) TX20, (2) TX25, (1) TX30; 2" - (1) TX20, (1) TX25</li> <li>Slotted Bits: 1" - (1) SL #8</li> <li>(1) 1/4" Hex to 3/8" Square Adapter</li> <li>Magnetic Nut Drivers: (1) 1/4", (1) 3/8", (1) 5/16"</li> <li>3/8" Drives: (1) 1/2" Socket, (1) 9/16" Socket</li> <li>(1) SHOCKWAVE™ Compact Magnetic Bit Holder</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>Phillips Bits: 1" - (1) PH #1, (4) PH #2, (1) PH #2R, (1) PH #3, 2" - (2) PH #2, (1) PH #3</li> <li>Square Bits: 1" - (1) SQ #1, (3) SQ #2, (1) SQ #2, (1) SQ #3, 2" - (1) SQ #2</li> <li>TORX® Bits: 1" - (1) T10, (1) T15, (2) T20, (2) T25, (1) T27, (1) T30, (1) T40</li> <li>1" Slotted Bits: (1) SL #8, (2) SL #10, (1) SL #12</li> <li>Hex Bits: (1) 5/64", (1) 3/32", (1) 7/64", (1) 1/8", (1) 9/64", (1) 5/32", (1) 3/16", (1) 1/4"</li> <li>Magnetic Nut Drivers: (1) 1/4", 1/4" to 3/8" Adapter</li> <li>Compact Magnetic Bit Holder</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>Phillips Bits: 1" - (1) PH #1, (3) PH #2, (1) PH #2R, (1) PH #3, 2" - (4) PH #2, (1) PH #3</li> <li>Square Bits: 1" - (1) SQ #1, (2) SQ #2, (1) SQ #3, 2" - (1) SB #2, (1) SB #3</li> <li>TORX® Bits: (1) T15, (1) T20, (2) T25, 2" - (1) T20, (2) T25</li> <li>Slotted Bits: (1) SL #8, (1) SL #10, 2" - (1) SL #10</li> <li>Hex Bits: (1) 1/8", (1) 5/32", (1) 3/16", (1) 1/4"</li> <li>Hex Drills: (1) 1/8", (1) 3/16", (1) 1/4"</li> <li>Magnetic Nut Drivers: (1) 1/4", (1) 5/16", (1) 3/8"</li> <li>(1) 1/4" to 3/8" Adapter (1) 1/4" to 1/2" Adapter</li> <li>Compact Magnetic Bit Holder</li> </ul>	

## STANDARD DRIVING BIT SETS



<b>21 Pc Driver Bit Set</b> 48-32-0221	<b>21 Pc Drive Guide Set</b> 48-32-1700	<b>38 Pc QUIK-LOK™ Drill and Drive Set</b> 48-32-1500	<b>40 Pc Drive Guide Set</b> 48-32-1505
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## DEEP WELL IMPACT SOCKETS



**Chromoly Steel & Custom Heat Treat**  
Maximum Durability in High Torque Applications



**Radius Corners**  
Drives on Flats to Reduce Stripping & Breakage



**Thin Wall Construction**  
Impact Strength in Tight Clearance Applications

Size	3/8" Drive 1 Pack	1/2" Drive 1 Pack
5/16"	49-66-4422	-
3/8"	49-66-4424	49-66-4461
7/16"	49-66-4425	49-66-4462
1/2"	49-66-4426	49-66-4463
9/16"	49-66-4427	49-66-4464
5/8"	49-66-4428	49-66-4465
11/16"	49-66-4429	49-66-4466
3/4"	49-66-4430	49-66-4467
13/16"	49-66-4431	49-66-4468
7/8"	49-66-4432	49-66-4469
1"	-	49-66-4471
1-1/16"	-	49-66-4472
1-1/8"	-	49-66-4473
1-1/4"	-	49-66-4475



## ADAPTERS INCLUDING EXPAND

Bit Length	Size	1 Pack	3 Pack	Bulk 10 Pack
Insert	1/4" Hex to 1/4" Socket	48-32-5020	-	-
	1/4" Hex to 3/8" Socket	48-32-5021	-	-
	1/4" Hex to 1/2" Socket	48-32-5022	-	-
	3 Pc Socket Adapters (1/4", 3/8", 1/2")	-	48-32-5023	-
1-7/8"	1/4" Hex to 1/4" Socket	48-32-5030	-	48-32-5730
	1/4" Hex to 3/8" Socket	48-32-5031	-	48-32-5731
	1/4" Hex to 1/2" Socket	48-32-5032	-	48-32-5732
	3/8" Socket to 1/4" Hex	48-03-4405	-	-
	1/2" Socket to 1/4" Hex	48-03-4410	-	-
	3 Pc Socket Adapters (1/4", 3/8", 1/2")	-	48-32-5033	-



## DEEP WELL IMPACT SOCKET SETS



Product No.	49-66-4301	49-66-4419	49-66-4484	49-66-4417
Description	12 Pc Deep Well Impact Socket Set	8 Pc Deep Well Impact Socket Set	9 Pc Deep Well Impact Socket Set	3 Pc Thin Wall Deep Impact Socket Set
Drive	1/4"	3/8"	1/2"	3/8"
Measurement Standard	Metric	SAE	SAE	SAE
Contents	5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 1/4" Hex to 1/4" Square Adapter	5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"	3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 1/4" Hex to 1/2" Square Adapter	1/2", 9/16", 1/4" Hex to 3/8" Square Adapter

### ADAPTERS



**30° Off-Set Drive Adapter**



**Right Angle Drive Attachment**

Description	Part Number
30° Off-Set Drive Adapter	48-32-2100
Right Angle Drive Attachment	49-22-8510
1/2" Square to 7/16" Hex Quick Change Impact Adapter	48-66-0061

## METAL DRILLING SELECTION GUIDE

**1** Identify the material to be cut in the columns below

**2** Follow the column down to find the accessory with **BEST PERFORMANCE** or **ACCEPTABLE PERFORMANCE**

	CLEAN WOOD	PVC & PLASTICS	ALUMINUM & OTHER NON-FERROUS METALS	PLATE STEEL (1" - 2")	PLATE STEEL (1/2" - 1")	PLATE STEEL (1/4" - 1/2")	METAL (3/16" - 1/4")	METAL (1/8" - 3/16")	SHEET METAL (UP TO 1/8")	CAST IRON	STAINLESS STEEL	PLASTER/ DRYWALL	MILD STEEL	HIGH ALLOY STEEL
PG. 46	<b>BLACK OXIDE</b>													
PG. 48	<b>TITANIUM</b>													
PG. 48	<b>COBALT</b>													
PG. 49	<b>STEP BITS</b>													
PG. 51	<b>CARBIDE TOOTH SHEET METAL CUTTERS</b>													
PG. 51	<b>CARBIDE TOOTH PLATE STEEL CUTTERS</b>													
PG. 49	<b>1" ANNULAR CUTTERS</b>													
PG. 49	<b>2" ANNULAR CUTTERS</b>													
PG. 50	<b>1 PC STEEL HAWG® CUTTER</b>													
PG. 50	<b>THREADED STEEL HAWG® CUTTER</b>													
PG. 50	<b>QUICK CHANGE TANG STEEL HAWG® CUTTER</b>													

## THUNDERBOLT® BLACK OXIDE DRILL BITS

### LONG LIFE

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

### EFFICIENT CHIP REMOVAL

- Parabolic flute clears chips fast

### PRECISION STARTS, NO WALKING

- 135° split point geometry starts fast, on contact

### CORROSION RESISTANT

- Black oxide coating provides lubricity and resists corrosion of the bit

### NO SPIN SECURE-GRIP™

- 3-Flat shank holds bit secure in drill chuck



Size	Part Number	Qty/Card	Bulk Pack	Bulk Qty
1/16"	48-89-2710	2	48-89-2820	12
5/64"	48-89-2711	2	48-89-2821	12
3/32"	48-89-2712	2	48-89-2822	12
7/64"	48-89-2713	2	48-89-2823	12
1/8"	48-89-2714	2	48-89-2824	12
9/64"	48-89-2715	1	48-89-2825	12
5/32"	48-89-2716	1	48-89-2826	12
11/64"	48-89-2717	1	48-89-2827	12
3/16"	48-89-2718	1	48-89-2828	12
13/64"	48-89-2719	1	48-89-2829	12
7/32"	48-89-2720	1	48-89-2830	12
15/64"	48-89-2721	1	48-89-2831	12
1/4"	48-89-2722	1	48-89-2832	12
17/64"	48-89-2723	1	48-89-2833	6
9/32"	48-89-2724	1	48-89-2834	6
19/64"	48-89-2725	1	48-89-2835	6
5/16"	48-89-2726	1	48-89-2836	6
21/64"	48-89-2727	1	48-89-2837	6
11/32"	48-89-2728	1	48-89-2838	6
23/64"	48-89-2729	1	48-89-2839	6
3/8"	48-89-2730	1	48-89-2840	6
25/64"	48-89-2731	1	48-89-2841	6
13/32"	48-89-2732	1	48-89-2842	6
27/64"	48-89-2733	1	48-89-2843	6
7/16"	48-89-2734	1	48-89-2844	6
29/64"	48-89-2735	1	48-89-2845	6
15/32"	48-89-2736	1	48-89-2846	6
31/64"	48-89-2737	1	48-89-2847	6
1/2"	48-89-2738	1	48-89-2848	6



# DRILL BITS

## THUNDERBOLT® BLACK OXIDE DRILL BIT SETS



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

## BLACK OXIDE S&D DRILL BITS

## BLACK OXIDE 12" AIRCRAFT LENGTH BITS



FLAT SECURE-GRIP™

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

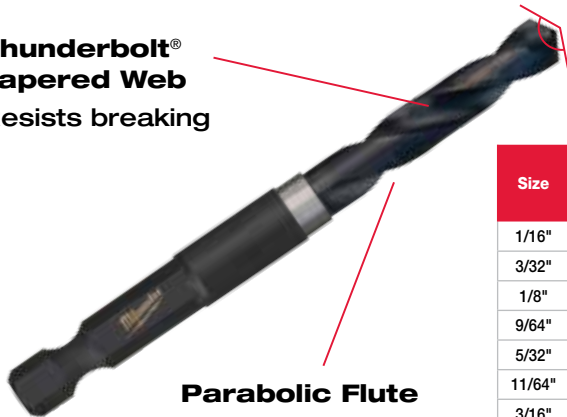


FLAT SECURE-GRIP™

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

## HEX DRILL BITS

**Thunderbolt® Tapered Web**  
Resists breaking



**Parabolic Flute**  
Faster chip removal

**135° Split Point**  
Starts on contact

Size	1 Pack	Bulk 10 Pack
1/16"	48-89-4401	-
3/32"	48-89-4403	-
1/8"	48-89-4405	48-89-4705
9/64"	48-89-4406	-
5/32"	48-89-4407	-
11/64"	48-89-4408	-
3/16"	48-89-4409	-
7/32"	48-89-4411	-
1/4"	48-89-4413	48-89-4713
5/16"	48-89-4414	-
3/8"	48-89-4415	-
1/2"	48-89-4417	-



Product No.	48-89-4444	48-89-4445
Description	4 Pc Drill Bit Set	10 Pc Drill Bit Set
Contents	1/8", 5/32", 3/16", 1/4"	(2) 1/8", 9/64", 5/32", 11/64", 3/16", 7/32", 1/4", 5/6", 3/8"

## THUNDERBOLT® TITANIUM DRILL BITS

### LONG LIFE

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

### EFFICIENT CHIP REMOVAL

- Parabolic flute clears chips fast

### PRECISION STARTS, NO WALKING

- 135° split point geometry starts fast, on contact

### CORROSION RESISTANT

- Titanium coating provides added protection from heat build-up

### NO SPIN SECURE-GRIP™

- 3-Flat shank holds bit secure in drill chuck



Size	Part Number	Qty/Card
1/16"	48-89-2201	2
5/64"	48-89-2202	2
3/32"	48-89-2203	2
7/64"	48-89-2204	2
1/8"	48-89-2205	2
9/64"	48-89-2206	1
5/32"	48-89-2207	1
11/64"	48-89-2208	1
3/16"	48-89-2209	1
13/64"	48-89-2210	1
7/32"	48-89-2211	1
15/64"	48-89-2212	1
1/4"	48-89-2213	1
17/64"	48-89-2214	1
9/32"	48-89-2215	1

Size	Part Number	Qty/Card
19/64"	48-89-2216	1
5/16"	48-89-2217	1
21/64"	48-89-2218	1
11/32"	48-89-2219	1
23/64"	48-89-2220	1
3/8"	48-89-2221	1
25/64"	48-89-2222	1
13/32"	48-89-2223	1
27/64"	48-89-2224	1
7/16"	48-89-2225	1
29/64"	48-89-2226	1
15/32"	48-89-2227	1
31/64"	48-89-2228	1
1/2"	48-89-2229	1

## THUNDERBOLT® TITANIUM DRILL BIT SETS



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

## THUNDERBOLT® COBALT DRILL BITS

### LONG LIFE

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

### EFFICIENT CHIP REMOVAL

- Parabolic flute clears chips fast

### PRECISION STARTS, NO WALKING

### NO SPIN SECURE-GRIP™

- 3-Flat Shank holds bit secure



## THUNDERBOLT® COBALT DRILL BIT SET



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

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

# STEP BITS & ANNULAR CUTTERS

## STEP BITS

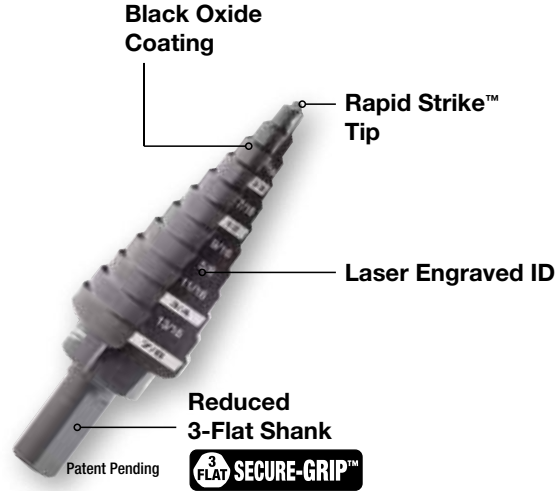
**JAM-FREE\***  
**PERFORMANCE**

UP TO  
**2X FASTER**  
WITH RAPID STRIKE™ TIP

UP TO  
**4X LIFE**

UP TO  
**50% MORE HOLES**  
PER CHARGE

Model #	Description	Holes
48-89-9201	#1 Step Drill Bit 1/8" - 1/2"	13
48-89-9202	#2 Step Drill Bit 3/16" - 1/2"	6
48-89-9203	#3 Step Drill Bit 1/4" - 3/4"	9
48-89-9204	#4 Step Drill Bit 3/16" - 7/8"	12
48-89-9205	#5 Step Drill Bit 1/4" - 1-3/8"	10
48-89-9206	#6 Step Drill Bit 3/8" & 1/2"	2
48-89-9207	#7 Step Drill Bit 7/8"	1
48-89-9208	#8 Step Drill Bit 1/2" - 1"	8
48-89-9209	#9 Step Drill Bit 7/8" & 1-1/8"	2
48-89-9211	#10 Step Drill Bit 7/8", 1-1/8", 1-7/32"	3
48-89-9212	#11 Step Drill Bit 7/8", 1-1/8", 1-7/32", 1-3/8"	4
48-89-9221	3 Pc Step Drill Bit Set (#1, #2, #4)	-
48-89-9223	4 Pc Step Drill Bit Set (#1, #4, #7, #12)	-
48-89-9224	6 Pc Step Drill Bit Set (#1, #4, #6, #7, #9)	-



**OPTIMIZED FOR**  
**CORDLESS DRILLS IN HIGH SPEED\***

\*When used in most professional 18V cordless drills with Lithium-Ion battery technology.

## ANNULAR CUTTERS



### FASTER CUTTING

- Thinner wall design for faster, more efficient cutting

### LONG LIFE

- Proprietary steel, optimized for steel cutting

### UNIVERSAL SHANK

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

Size	1" Depth	2" Depth
1/2"	49-59-0500	49-59-2050
9/16"	49-59-0562	49-59-2056
5/8"	49-59-0625	49-59-2063
11/16"	49-59-0687	49-59-2069
3/4"	49-59-0750	49-59-2075
13/16"	49-59-0812	49-59-2081
7/8"	49-59-0875	49-59-2089
15/16"	49-59-0937	49-59-2094
1"	49-59-1000	49-59-2100
1-1/16"	49-59-1062	49-59-2106
1-1/8"	49-59-1125	49-59-2113
1-3/16"	49-59-1187	49-59-2119
1-1/4"	49-59-1250	49-59-2125

Size	1" Depth	2" Depth
1-5/16"	49-59-1312	49-59-2131
1-3/8"	49-59-1375	49-59-2138
1-7/16"	49-59-1437	49-59-2144
1-1/2"	49-59-1500	49-59-2150
1-9/16"	49-59-1562	49-59-2156
1-5/8"	49-59-1625	49-59-2163
1-11/16"	49-59-1687	49-59-2169
1-3/4"	49-59-1750	49-59-2175
1-13/16"	49-59-1812	49-59-2181
1-7/8"	49-59-1875	49-59-2188
1-15/16"	49-59-1937	49-59-2194
2"	49-59-2000	49-59-2200

## ANNULAR CUTTER SETS



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

## ANNULAR CUTTER ACCESSORIES

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

## THREADED STEEL HAWG® CUTTERS

### FAST CUTTING

- Alternating tooth geometry for up to 3X faster cutting

### LONG LIFE

- Hardened carbide steel teeth provide longer life

### 2" CUTTING DEPTH



Size	Part Number
3/4"	49-57-0750
13/16"	49-57-0812
7/8"	49-57-0875
15/16"	49-57-0937
1"	49-57-1000
1-1/16"	49-57-1062
1-1/8"	49-57-1125
1-3/16"	49-57-1187
1-1/4"	49-57-1250
1-5/16"	49-57-1312
1-3/8"	49-57-1375
1-7/16"	49-57-1437
1-1/2"	49-57-1500
1-9/16"	49-57-1562
1-5/8"	49-57-1625
1-11/16"	49-57-1687
1-3/4"	49-57-1750
1-13/16"	49-57-1812
1-7/8"	49-57-1875
1-15/16"	49-57-1937
2"	49-57-2000
2-1/16"	49-57-2060
2-1/8"	49-57-2120
2-1/4"	49-57-2250
2-5/16"	49-57-2310

Size	Part Number
2-3/8"	49-57-2370
2-1/2"	49-57-2500
2-9/16"	49-57-2560
2-5/8"	49-57-2620
2-3/4"	49-57-2750
2-7/8"	49-57-2870
3"	49-57-3000
3-1/8"	49-57-3120
3-1/4"	49-57-3250
3-3/8"	49-57-3370
3-1/2"	49-57-3500
3-5/8"	49-57-3620
3-3/4"	49-57-3750
3-7/8"	49-57-3870
4"	49-57-4000
4-1/8"	49-57-4120
4-1/4"	49-57-4250
4-3/8"	49-57-4370
4-1/2"	49-57-4500
4-5/8"	49-57-4620
4-3/4"	49-57-4750
5"	49-57-5000
5-1/2"	49-57-5500
6"	49-57-6000

### ARBORS



#3 Morse Taper Arbor 49-57-0010	3/4" Shank Arbor 49-57-0030
<ul style="list-style-type: none"> <li>▪ Works with threaded STEEL HAWG® cutters</li> <li>▪ Use with motors 4292-1 and 4297-1</li> </ul>	<ul style="list-style-type: none"> <li>▪ Works with threaded STEEL HAWG® cutters</li> <li>▪ Use with 4262-1 motor</li> </ul>
<b>Includes:</b> <ul style="list-style-type: none"> <li>▪ Oil hose and hand pump</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>▪ Oil hose and hand pump</li> </ul>

## QUICK CHANGE TANG STEEL HAWG® CUTTERS

### FAST CUTTING

- Alternating tooth geometry for up to 3X faster cutting

### LONG LIFE

- Hardened carbide steel teeth provide longer life

### QUICK CHANGE

- Tool-free operation for fast changes

### 1" CUTTING DEPTH



Size	Part Number
1/2"	49-57-0251
9/16"	49-57-0564
5/8"	49-57-0626
11/16"	49-57-0689
3/4"	49-57-0752
13/16"	49-57-0814
7/8"	49-57-0877
15/16"	49-57-0939
1"	49-57-1002
1-1/16"	49-57-1064
1-1/8"	49-57-1127
1-3/16"	49-57-1189
1-1/4"	49-57-1252

Size	Part Number
1-5/16"	49-57-1314
1-3/8"	49-57-1377
1-7/16"	49-57-1439
1-1/2"	49-57-1502
1-9/16"	49-57-1564
1-5/8"	49-57-1627
1-11/16"	49-57-1689
1-3/4"	49-57-1752
1-13/16"	49-57-1814
1-7/8"	49-57-1877
1-15/16"	49-57-1939
2"	49-57-2002

### ARBORS



#3 Morse Taper Quick Change Arbor 49-57-0012	#3 Morse Taper Quick Change Arbor w/Chip Breaker 49-57-0013	3/4" Straight Shank Quick Change Arbor 49-57-0032
<ul style="list-style-type: none"> <li>▪ Works with quick-change tang STEEL HAWG® cutters</li> <li>▪ Use with motors 4292-1 and 4297-1</li> </ul>	<ul style="list-style-type: none"> <li>▪ Works with quick-change tang STEEL HAWG® cutters</li> <li>▪ Use with motors 4292-1 and 4297-1</li> </ul>	<ul style="list-style-type: none"> <li>▪ Works with quick-change tang STEEL HAWG® cutters</li> <li>▪ Use with 4262-1 motor</li> </ul>
<b>Includes:</b> <ul style="list-style-type: none"> <li>▪ Oil hose and hand pump</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>▪ Oil hose and hand pump</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>▪ Oil hose and hand pump</li> </ul>

## ONE PIECE STEEL HAWG® CUTTERS

### 1/2" CUTTING DEPTH

- Recommended for use with Milwaukee® electromagnetic drill presses or hand drill



Size	Part Number
11/16"	49-57-8068
13/16"	49-57-8081
Pilot Bit	49-57-0038

# CARBIDE CUTTERS

## CARBIDE TOOTH CUTTERS FOR SHEET METAL

### CLEAN HOLES

- Drills burr-free holes
- Specifically designed for hand held applications to produce drill press quality holes

### LONG LIFE

- Carbide tips stay sharper longer than high-speed steel or bi-metal cutters

### VERSATILE

- For material up to 3/16" thick
- Ideal for stainless steel, structural steel studs and electrical boxes



Size	Metric	Part Number
3/4"	19 mm	49-57-8305
7/8"	22 mm	49-57-8309
1"	25 mm	49-57-8311
1-1/8"	29 mm	49-57-8315
1-7/32"	31 mm	49-57-8317
1-1/4"	32 mm	49-57-8319
1-5/16"	33 mm	49-57-8321
1-3/8"	35 mm	49-57-8323
1-7/16"	37 mm	49-57-8325
1-1/2"	38 mm	49-57-8327
1-3/4"	44 mm	49-57-8329
2"	51 mm	49-57-8331
2-1/8"	54 mm	49-57-8333
2-1/4"	57 mm	49-57-8335
2-3/8"	60 mm	49-57-8337
2-1/2"	64 mm	49-57-8339
2-5/8"	67 mm	49-57-8341
3"	76 mm	49-57-8343

## CARBIDE TOOTH CUTTERS FOR STEEL PLATE

### CLEAN HOLES

- Drills burr-free holes

### LONG LIFE

- Carbide tips stay sharper longer than high-speed steel or bi-metal cutters

### VERSATILE

- For material up to 1/2" thick
- Ideal for stainless steel, structural steel studs and electrical boxes



Size	Metric	Part Number
11/16"	18 mm	49-57-8201
3/4"	19 mm	49-57-8203
13/16"	21 mm	49-57-8205
7/8"	22 mm	49-57-8207
15/16"	24 mm	49-57-8209
1"	25 mm	49-57-8211
1-1/16"	27 mm	49-57-8213
1-1/8"	29 mm	49-57-8215
1-3/16"	30 mm	49-57-8217
1-1/4"	32 mm	49-57-8219
1-5/16"	33 mm	49-57-8221
1-3/8"	35 mm	49-57-8223
1-7/16"	37 mm	49-57-8225
1-1/2"	38 mm	49-57-8227

## SHEET METAL CARBIDE TOOTH CUTTER KITS



5 Pc Electrician's Kit 49-22-8300	7 Pc Electrician's Kit 49-22-8310
<b>Includes:</b> <ul style="list-style-type: none"> <li>7/8", 1-1/8", 1-3/8" carbide steel plate cutters</li> <li>Arbor with pilot bit and one additional pilot bit</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>7/8", 1-1/8", 1-3/8", 1-3/4" &amp; 2" carbide sheet metal cutters</li> <li>Arbor with pilot bit and one additional pilot bit</li> </ul>

## STEEL PLATE CARBIDE TOOTH CUTTER KITS



5 Pc Contractor's Kit 49-22-8200	7 Pc Contractor's Kit 49-22-8210
<b>Includes:</b> <ul style="list-style-type: none"> <li>11/16", 13/16" &amp; 15/16" carbide steel plate cutters</li> <li>Arbor with pilot bit and one additional pilot bit</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>11/16", 13/16", 15/16", 1-1/8" &amp; 1-3/8" carbide steel plate cutters</li> <li>Arbor with pilot bit and one additional pilot bit</li> </ul>

## ARBORS AND PILOT BITS FOR CARBIDE TOOTH CUTTERS

### QUICK CHANGE ARBOR



Description	Part Number
Quick Change Arbor For All Carbide Cutters	49-57-0035
Pilot Bit For 49-57-0035 Quick Change Arbor	49-57-0038
Ejector Spring For 49-57-0035 Quick Change Arbor	40-50-8780

### RETRACTABLE PIN ARBOR



Description	Part Number
Centering Pin Arbor With Detachable Drill Cap*	49-57-0037
Drill Cap For 49-57-0037 Quick Change Arbor*	42-52-1015

\*Drill cap is for drilling a pilot hole if used in a hand held application

## WOOD BORING SELECTION GUIDE

- Identify the material to be cut in the columns below
- Follow the column down to find **BEST PERFORMANCE** or **ACCEPTABLE PERFORMANCE**

		CLEAN WOOD	WOOD WITH NAILS	HOLE FINISH	FAST DRILLING	DRILLS POCKET HOLES	WIRE PULLING	IMPACT RATED
PG. 52	<b>SELFEED BIT</b>			ROUGH				
PG. 54	<b>BIG HAWG®</b>							
PG. 54	<b>SHIP AUGER</b>							
PG. 55	<b>SPUR AUGER</b>							
PG. 55	<b>SPEED FEED™</b>							
PG. 55	<b>FLAT BORING</b>							
PG. 56	<b>BRAD POINT</b>							
PG. 56	<b>FORSTNER</b>			FINE				
PG. 56	<b>BELLHANGER</b>							
PG. 56	<b>CABLE</b>							

## SWITCHBLADE™ SELFEED BITS

### LONG LIFE

- Cutting edge is replaceable, made with hardened steel to increase bit life

### FAST DRILLING

- Aggressive feed screw design allows the bit to pull through the wood faster

### EASY SIZE REFERENCE

- Bit and blades are engraved for quick and easy size identification

### SWITCHBLADE™



Size	Part Number	Qty	Shank Type	Entrance For Pipe and Rigid Conduit	Entrance For Tubing
1-3/8"	48-25-5120	1	7/16" Hex	1"	1-1/4"
1-1/2"	48-25-5125	1	7/16" Hex		1-3/8"
2"	48-25-5135	1	7/16" Hex	1-1/2"	1-7/8"
2-1/8"	48-25-5140	1	7/16" Hex		2"
2-1/4"	48-25-5143	1	7/16" Hex		2-1/8"
2-9/16"	48-25-5150	1	7/16" Hex	2"	2-1/2"

## SWITCHBLADE™ SELFEED BIT KIT



5 Pc SWITCHBLADE™ Plumber's Kit  
49-22-5100

### Includes:

- (1) Each SWITCHBLADE™ selffeed bits (1-3/8", 1-1/2", 2-1/8", 2-9/16")
- (1) 5-1/2" QUIK-LOK™ extension
- (1) Each replacement blades
- (4) Feed screws
- (4) Set screws
- (1) Hex wrench
- Case with bulk storage container

## SWITCHBLADE™ REPLACEMENT BLADES

Size	Part Number	Qty	Size	Part Number	Qty
1-3/8"	48-25-5420	1	2-1/8"	48-25-5240	3*
1-1/2"	48-25-5425	1	2-9/16"	48-25-5250	3*
2"	48-25-5435	1	1-3/8"	48-25-5320	10*
2-1/8"	48-25-5440	1	1-1/2"	48-25-5325	10*
2-1/4"	48-25-5443	1	2"	48-25-5335	10*
2-9/16"	48-25-5450	1	2-1/8"	48-25-5340	10*
1-3/8"	48-25-5220	3*	2-9/16"	48-25-5350	10*
1-1/2"	48-25-5225	3*			
2"	48-25-5235	3*			

\*Includes hex wrench and case



Replacement Feedscrew Pack  
48-25-5275



SWITCHBLADE™ Accessory Service Kit  
48-25-5280

# SELFEED BITS & EXTENSIONS

## STANDARD SELFEED BITS

### FAST DRILLING

- Aggressive feed screw design allows the bit to pull through the wood faster

### CLEAN HOLES

- Alloy steel kerf cutters provide clean holes

### RESHARPENABLE

- Cutting edge can be resharpened



Size	Part Number	Qty	Shank Type	Entrance For Pipe and Rigid Conduit	Entrance For Tubing	Package Type
1"	48-25-1001	1	7/16" Hex	1/2"	7/8"	Carton
1"	48-25-1002	1	7/16" Hex	1/2"	7/8"	Clamshell
1-1/8"	48-25-1121	1	7/16" Hex	1/2"	1"	Carton
1-1/8"	48-25-1122	1	7/16" Hex	1/2"	1"	Clamshell
1-1/4"	48-25-1251	1	7/16" Hex	3/4"	1-1/8"	Carton
1-1/4"	48-25-1252	1	7/16" Hex	3/4"	1-1/8"	Clamshell
1-3/8"	48-25-1371	1	7/16" Hex	1"	1-1/4"	Carton
1-3/8"	48-25-1372	1	7/16" Hex	1"	1-1/4"	Clamshell
1-1/2"	48-25-1501	1	7/16" Hex		1-3/8"	Carton
1-1/2"	48-25-1502	1	7/16" Hex		1-3/8"	Clamshell
1-3/4"	48-25-1751	1	7/16" Hex	1-1/4"	1-1/2"	Carton
1-3/4"	48-25-1752	1	7/16" Hex	1-1/4"	1-1/2"	Clamshell
2"	48-25-2001	1	7/16" Hex	1-1/2"	1-7/8"	Carton
2"	48-25-2002	1	7/16" Hex	1-1/2"	1-7/8"	Clamshell
2-1/8"	48-25-2121	1	7/16" Hex		2"	Carton
2-1/8"	48-25-2122	1	7/16" Hex		2"	Clamshell
2-1/4"	48-25-2251	1	7/16" Hex		2-1/8"	Carton
2-1/4"	48-25-2252	1	7/16" Hex		2-1/8"	Clamshell
2-9/16"	48-25-2561	1	7/16" Hex	2"	2-1/2"	Carton
2-9/16"	48-25-2562	1	7/16" Hex	2"	2-1/2"	Clamshell
3"	48-25-3001	1	3-Flat	2-1/2"	2-7/8"	Carton
3-5/8"	48-25-3621	1	3-Flat	3"	3-1/2"	Carton
4-1/8"	48-25-4125	1	3-Flat	3**		Carton
4-5/8"	48-25-4621	1	3-Flat	4"	4-1/2"	Carton

## STANDARD SELFEED BIT KITS

7 Pc Plumber's Kit 49-22-0065	7 Pc Contractor's Kit 49-22-0130	4 Pc Contractor's Kit 49-22-0135
<b>Includes:</b> <ul style="list-style-type: none"> <li>(1) Each augers (7/8", 1-1/8", 1-1/4", 1-1/2")</li> <li>(1) Each selffeed bits (1-3/4", 2-1/8", 2-9/16")</li> <li>(1) 5-1/2" Hex key extension</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>(2) Each augers (7/8", 1-1/8", 1-1/4", 1-1/2")</li> <li>(1) Each selffeed bits (1", 1-1/8", 1-1/4", 1-1/2", 1-3/4", 2-1/8", 2-9/16")</li> <li>(1) 5-1/2" Hex key extension</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>(1) Each selffeed bits (1-3/8", 1-1/2", 2-1/8", 2-9/16")</li> <li>(1) 5-1/2" Hex key extension</li> </ul>

## STANDARD SELFEED BIT ACCESSORIES

Small Standard Selffeed Bit Accessory Kit 48-25-6000	Coarse Thread Feed Screw for Selffeed Bit 48-28-6870	1/8" Hex Wrench for Selffeed Bit 49-96-0060
<b>Includes set screws, feed screws and hex key for sizes:</b> <ul style="list-style-type: none"> <li>1" - 2-9/16"</li> </ul>	<b>Includes feed screw for sizes:</b> <ul style="list-style-type: none"> <li>1" - 2-9/16"</li> </ul>	<b>Includes hex wrench for sizes:</b> <ul style="list-style-type: none"> <li>1" - 2-9/16"</li> </ul>
Large Standard Selffeed Bit Accessory Kit 48-25-7000	Replacement Feed Screw for Selffeed Bit 48-28-6880	5/32" Hex Wrench for Selffeed Bit 49-96-0070
<b>Includes set screws, feed screws and hex key for sizes:</b> <ul style="list-style-type: none"> <li>3" - 4-5/8"</li> </ul>	<b>Includes feed screw for sizes:</b> <ul style="list-style-type: none"> <li>3" - 4-5/8"</li> </ul>	<b>Includes hex wrench for sizes:</b> <ul style="list-style-type: none"> <li>3" - 4-5/8"</li> </ul>

## EXTENSIONS

### UNIVERSAL FIT

- All extensions work with all major brands

### QUIK-LOK™ EXTENSIONS

- Fits any 1/4" or 7/16" hex shank product
- Impact rated for maximum durability
- Releases by hand for quick operation



HEX WRENCH



QUIK-LOK™

Part Number	Shank Size	Length	Type	Accepts Shank Size
48-28-1000	1/4"	3"	QUIK-LOK™	1/4"
48-28-1010	1/4"	6"	QUIK-LOK™	1/4"
48-28-1020	1/4"	12"	QUIK-LOK™	1/4"
48-28-4008	3/8"	12"	Hex Wrench	3/8"
48-28-1030	7/16"	5-1/2"	QUIK-LOK™	7/16"
48-28-1040	7/16"	12"	QUIK-LOK™	7/16"
48-28-1050	7/16"	18"	QUIK-LOK™	7/16"
48-28-1060	7/16"	24"	QUIK-LOK™	7/16"
48-28-4001	7/16"	5-1/2"	Hex Wrench	7/16"
48-28-4006	7/16"	12"	Hex Wrench	7/16"
48-28-4011	7/16"	18"	Hex Wrench	7/16"
48-28-4016	7/16"	24"	Hex Wrench	7/16"



# BIG HAWG™ CUTTERS & SHIP AUGERS

## BIG HAWG™ HOLE CUTTERS

### FAST CUTTING

Aggressive tooth geometry for up to 10X faster cutting than hole saws

### LONG LIFE

Cuts up to 600 holes in wood without needing to be resharpened

### DURABLE

Three hardened steel teeth provide maximum durability against unintended nail impacts

### EASY PLUG REMOVAL

Wide and deep gullets for easy plug removal

Size	Part Number	With Pilot Bit
1-3/8"	49-56-8995	49-56-9110
2-1/8"	49-56-9000	49-56-9120
2-1/4"	49-56-9005	-
2-9/16"	49-56-9010	49-56-9130
3"	49-56-9020	-
3-3/8"	49-56-9025	-

Size	Part Number	With Pilot Bit
3-5/8"	49-56-9030	-
4-1/4"	49-56-9045	-
4-5/16"	49-56-9047	-
4-5/8"	49-56-9050	-
5-1/4"	49-56-9055	-
6-1/4"	49-56-9065	-

## BIGHAWG™



UP TO  
**10x**  
FASTER THAN  
HOLE SAWS

UP TO  
**600**  
HOLES WITHOUT  
RESHARPENING

## BIG HAWG™ HOLE CUTTER KITS



7 Pc BIG HAWG™ Hole Cutter Kit 49-56-9075	8 Pc Plumbers BIG HAWG™ Hole Cutter Kit 49-56-9080	10 Pc BIG HAWG™ Hole Cutter Kit 49-56-9085
<b>Includes:</b> <ul style="list-style-type: none"> <li>(1) Each BIG HAWG™ hole cutters (2-1/8", 2-9/16", 3-5/8")</li> <li>(1) Arbor with pilot bit</li> <li>(2) Additional pilot bits</li> <li>(1) Diamond file</li> <li>(1) Hex wrench</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>(1) Each BIG HAWG™ hole cutters (2-1/8", 2-9/16", 3-5/8", 4-5/8")</li> <li>(1) Arbor with pilot bit</li> <li>(2) Additional pilot bits</li> <li>(1) Diamond file</li> <li>(1) Hex wrench</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>(1) Each BIG HAWG™ hole cutters (2-1/8", 2-1/4", 2-9/16", 3", 3-5/8", 4-1/4")</li> <li>(1) Arbor with pilot bit</li> <li>(2) Additional pilot bits</li> <li>(1) Diamond file</li> <li>(1) Hex wrench</li> </ul>

## BIG HAWG™ HOLE CUTTER ACCESSORIES

Description	Part Number
BIG HAWG™ File	48-09-5055
BIG HAWG™ Pilot Bit	48-27-1401
BIG HAWG™ Hole Cutter Arbor	49-56-9105

## SHIP AUGERS

### DURABLE

- Hardened tip for added nail durability

### FAST CHIP REMOVAL

- Coated flutes for fast chip removal

### IMPACT RATED



Size	Part Number	Shank	Overall Length	Twist Length	Size	Part Number	Shank	Overall Length	Twist Length
3/8"	48-13-0373	5/16"	6"	3"	3/8"	48-13-5500	5/16"	18"	15"
1/2"	48-13-0503	5/16"	6"	3"	7/16"	48-13-5520	5/16"	18"	15"
5/8"	48-13-0623	7/16"	6"	3"	1/2"	48-13-5540	5/16"	18"	15"
11/16"	48-13-0683	7/16"	6"	3"	9/16"	48-13-5560	7/16"	18"	15"
3/4"	48-13-0753	7/16"	6"	3"	5/8"	48-13-5620	7/16"	18"	15"
13/16"	48-13-0813	7/16"	6"	3"	11/16"	48-13-5680	7/16"	18"	15"
7/8"	48-13-0873	7/16"	6"	3"	3/4"	48-13-5750	7/16"	18"	15"
15/16"	48-13-0933	7/16"	6"	3"	13/16"	48-13-5810	7/16"	18"	15"
1"	48-13-1003	7/16"	6"	3"	7/8"	48-13-5870	7/16"	18"	15"
1-1/16"	48-13-1063	7/16"	6"	3"	15/16"	48-13-5930	7/16"	18"	15"
1-1/8"	48-13-1123	7/16"	6"	3"	1"	48-13-6000	7/16"	18"	15"
1-1/4"	48-13-1253	7/16"	6"	3"	1-1/16"	48-13-6010	7/16"	18"	15"
1-3/8"	48-13-1373	7/16"	6"	3"	1-1/8"	48-13-6120	7/16"	18"	15"
1-1/2"	48-13-1503	7/16"	6"	3"	1-1/4"	48-13-6250	7/16"	18"	15"
					1-3/8"	48-13-6370	7/16"	18"	15"
					1-1/2"	48-13-6500	7/16"	18"	15"



## SHIP AUGER SET

3 Pc Ship Auger Bit Set (18") 49-13-3000
<b>Includes:</b> <ul style="list-style-type: none"> <li>1/2", 3/4", 1"</li> </ul>





# SPUR AUGERS, SPEED FEED™ & FLAT BORING BITS

## SPUR AUGERS

### CLEAN HOLES

- Double wing spurs for clean hole cutting



### FAST CHIP REMOVAL

- Coated flutes for fast chip removal



### IMPACT RATED

Size	Part Number	Shank	Overall Length	Twist Length
1/2"	48-13-0700	5/16"	6-1/2"	4"
5/8"	48-13-0725	7/16"	6-1/2"	4"
3/4"	48-13-0750	7/16"	6-1/2"	4"
7/8"	48-13-0870	7/16"	6-1/2"	4"
1"	48-13-1000	7/16"	6-1/2"	4"
1-1/8"	48-13-1120	7/16"	6-1/2"	4"
1-1/4"	48-13-1250	7/16"	6-1/2"	4"
1-3/8"	48-13-1370	7/16"	6-1/2"	4"
1-1/2"	48-13-1500	7/16"	6-1/2"	4"

## SPUR AUGER SET



4 Pc Spur Auger Bit Set (6-1/2")  
48-13-4000

### Includes:

- 1/2", 3/4", 7/8", 1"

## SPEED FEED™ SELF-FEEDING WOOD BITS

### FAST CUTTING

- Up to 10X faster than flat boring bits

### CLEAN HOLES

- Double wing spurs for clean hole cutting

### FAST CHIP REMOVAL

- Coated flutes for fast chip removal



Size	Part Number
1/2"	48-13-0048
5/8"	48-13-0058
3/4"	48-13-0068
7/8"	48-13-0078
1"	48-13-0088
1-1/4"	48-13-0108

## SPEED FEED™

### SPEED FEED™ SELF-FEEDING WOOD BIT SET

4 Pc Speed Feed™ Self-Feeding Wood Bit Set  
48-13-0400

### Includes:

- 1/2", 5/8", 3/4", 1"

6 Pc Speed Feed™ Self-Feeding Wood Bit Set  
48-13-0600

### Includes:

- 1/2", 5/8", 3/4", 1"

## FLAT BORING BITS

### FAST CUTTING

- Cutting edge designed for fast, easy wood boring

### CLEAN HOLES

- Double wing spurs for clean hole cutting

Size	Part Number	Length
1/4"	48-27-0251	6"
5/16"	48-27-0311	6"
3/8"	48-27-0371	6"
7/16"	48-27-0441	6"
1/2"	48-27-0501	6"
9/16"	48-27-0561	6"
5/8"	48-27-0621	6"
11/16"	48-27-0681	6"
3/4"	48-27-0751	6"
13/16"	48-27-0811	6"
7/8"	48-27-0871	6"

Size	Part Number	Length
15/16"	48-27-0941	6"
1"	48-27-1001	6"
1-1/8"	48-27-1121	6"
1-1/4"	48-27-1251	6"
1-3/8"	48-27-1371	6"
1-1/2"	48-27-1501	6"
3/8"	48-27-0170	16"
1/2"	48-27-0175	16"
5/8"	48-27-0180	16"
3/4"	48-27-0185	16"
7/8"	48-27-0190	16"
1"	48-27-0195	16"



## FLAT BORING BIT SETS



8 Pc Universal QUIK-LOK™ Flat Boring Set (6")  
49-22-0175

### Includes:

- 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", and 6" QUIK-LOK™ extension

6 Pc Flat Boring Bit Kit (6")  
49-22-0071

### Includes:

- 3/8", 1/2", 5/8", 3/4", 7/8", 1"

## BELLHANGER BITS

### VERSATILE

- Wire pulling hole for easy wire installation

### FAST CHIP REMOVAL

- Coated flutes for fast chip removal

### NO SPIN

- 3-Flat shank holds bit secure in drill chuck

Size	Part Number	Length
1/4"	48-13-7125	12"
5/16"	48-13-7131	12"
3/8"	48-13-7137	12"
3/16"	48-13-7218	18"
1/4"	48-13-7225	18"
5/16"	48-13-7231	18"
3/8"	48-13-7237	18"
7/16"	48-13-7243	18"
1/2"	48-13-7249	18"
1/4"	48-13-7325	24"
3/8"	48-13-7337	24"



## CABLE BITS

### FLEXIBLE

- Flexible steel shaft allows user to reach areas between or behind walls

### VERSATILE

- Wire pulling holes at both ends for easy wire installation



Size	Part Number	Length
3/8"	48-13-8237	54"
1/2"	48-13-8250	54"
9/16"	48-13-8256	54"
3/4"	48-13-8275	54"
3/8"	48-13-8337	72"
1/2"	48-13-8350	72"
9/16"	48-13-8356	72"
3/4"	48-13-8375	72"

### Placement Guide 48-08-0275



## BRAD POINT BITS

### EASY VISUAL REFERENCE

- 1/4" depth marks for easy identification

### ACCURATE, CLEAN HOLES

- Brad point style tip for accurate hole placement

### LONG LASTING

- Precision ground tip maintains a sharp cutting edge

Size	Part Number
1/8"	48-15-0125
3/16"	48-15-0185
1/4"	48-15-0250
5/16"	48-15-0312
3/8"	48-15-0375
7/16"	48-15-0437
1/2"	48-15-0500



## FORSTNER BITS

### ACCURATE HOLES

- Precision ground kerf cutters create accurate holes

### CLEAN HOLE FINISH

- Polished surface finish makes very clean, flat holes

### PRECISION CONTROL

- Round shank style reduces runout for more precise holes

Size	Part Number
3/8"	48-14-0376
1/2"	48-14-0501
5/8"	48-14-0626
3/4"	48-14-0751
1"	48-14-1001
1-3/8"	48-14-1374
35 mm	48-14-1376



## FORSTNER BIT SET



4 Pc Forstner Bit Set  
48-14-0004

### Includes:

- 1/4", 1/2", 5/8", 3/4"

## HAMMER DRILL BITS

### FASTER DRILLING

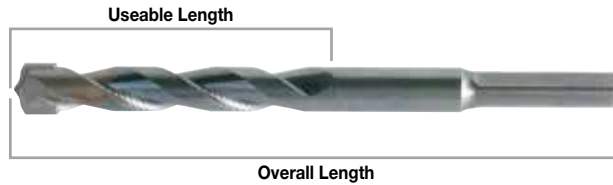
- Unique flute geometry provides efficient dust and debris removal

### STARTS ON CONTACT

- Patented self-centering carbide tip maintains hole placement

### NO SPIN

- 3-Flat shank holds bit secure in drill chuck



Size	Part Number	Useable Length	Overall Length	Pack Qty
1/8"	48-20-8800	1-1/2"	3"	2
5/32"	48-20-8801	4"	6"	2
3/16"	48-20-8805	2"	4"	2
3/16"	48-20-8806	4"	6"	2
1/4"	48-20-8810	2"	4"	1
1/4"	48-20-8811	4"	6"	1
1/4"	48-20-8812	10"	12"	1
5/16"	48-20-8816	4"	6"	1
5/16"	48-20-8817	10"	12"	1
3/8"	48-20-8821	4"	6"	1
3/8"	48-20-8822	10"	12"	1
3/8"	48-20-8823	16"	18"	1
7/16"	48-20-8825	4"	6"	1
1/2"	48-20-8830	4"	6"	1
1/2"	48-20-8831	10"	12"	1
1/2"	48-20-8832	16"	18"	1
9/16"	48-20-8835	4"	6"	1
5/8"	48-20-8840	4"	6"	1
5/8"	48-20-8841	10"	12"	1
5/8"	48-20-8842	16"	18"	1

Size	Part Number	Useable Length	Overall Length	Pack Qty
3/4"	48-20-8845	4"	6"	1
3/4"	48-20-8846	10"	12"	1
7/8"	48-20-8847	4"	6"	1
7/8"	48-20-8848	10"	12"	1
1"	48-20-8849	4"	6"	1
1"	48-20-8854	10"	12"	1
3/16"	48-20-8957	4"	6"	5
1/4"	48-20-8961	2"	4"	5
1/4"	48-20-8962	4"	6"	5
1/8"	48-20-8900	1-1/2"	3"	25
5/32"	48-20-8901	4"	6"	25
3/16"	48-20-8905	2"	4"	25
3/16"	48-20-8906	4"	6"	25
1/4"	48-20-8910	2"	4"	25
1/4"	48-20-8911	4"	6"	25
5/16"	48-20-8916	4"	6"	25
3/8"	48-20-8921	4"	6"	20
7/16"	48-20-8925	4"	6"	20
1/2"	48-20-8930	4"	6"	15
5/8"	48-20-8940	4"	6"	10

## HAMMER DRILL BIT SETS

3 Pc 3-Flat SECURE-GRIP™ Hammer Drill Bit Set 48-20-8850	5 Pc 3-Flat SECURE-GRIP™ Hammer Drill Bit Set 48-20-8851
<b>Includes:</b> <ul style="list-style-type: none"> <li>■ 5/32" x 6"</li> <li>■ 3/16" x 6"</li> <li>■ 1/4" x 6"</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>■ 5/32" x 6"</li> <li>■ 3/16" x 6"</li> <li>■ 1/4" x 6"</li> <li>■ 5/16" x 6"</li> <li>■ 3/8" x 6"</li> </ul>

6 Pc 3-Flat SECURE-GRIP™ Hammer Drill Bit Set 48-20-8856	7 Pc 3-Flat SECURE-GRIP™ Hammer Drill Bit Set 48-20-8852
<b>Includes:</b> <ul style="list-style-type: none"> <li>■ (2) 1/4" x 6"</li> <li>■ 5/32" x 6"</li> <li>■ 3/16" x 6"</li> <li>■ 5/16" x 6"</li> <li>■ 3/8" x 6"</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>■ (2) 3/16" x 6"</li> <li>■ (2) 1/4" x 6"</li> <li>■ 5/32" x 6"</li> <li>■ 5/16" x 6"</li> <li>■ 3/8" x 6"</li> </ul>

## SDS+ ROTARY HAMMER BITS

### 4-CUTTER PREMIUM MX4 SDS+ CARBIDE BITS

#### LONG LIFE

- 4-Cutter solid carbide tip for up to 3X life in rebar



#### ACCURATE HOLES

- Centering tip and 4-Cutter design drills more accurate holes for anchoring applications

Size	Useable Length	Overall Length	Individual Part Number	Bulk Part Number	Bulk Qty
3/16"	2"	4"	48-20-7310	-	-
3/16"	4"	6"	48-20-7311	48-20-7911	15
3/16"	6"	8"	48-20-7312	-	-
3/16"	8"	10"	48-20-7313	-	-
3/16"	10"	12"	48-20-7314	-	-
1/4"	2"	4"	48-20-7330	-	-
1/4"	4"	6"	48-20-7331	48-20-7931	15
1/4"	6"	8"	48-20-7332	-	-
1/4"	8"	10"	48-20-7334	-	-
1/4"	10"	12"	48-20-7335	-	-
5/16"	4"	6"	48-20-7341	-	-
3/8"	4"	6"	48-20-7351	48-20-7951	10
3/8"	10"	12"	48-20-7354	-	-
3/8"	16"	18"	48-20-7357	-	-
1/2"	4"	6"	48-20-7371	48-20-7971	10
1/2"	10"	12"	48-20-7374	-	-
1/2"	16"	18"	48-20-7377	-	-

### 4-CUTTER SDS+ BITS

#### DURABLE

- 4-Cutter design lasts longer when encountering small diameter rebar and mesh

#### ACCURATE STARTS

- Centering point ensures correct hole placement

#### FASTER DRILLING

- Unique face design directs dust through the 4 fluted spiral for faster drilling

Size	Part Number	Useable Length	Overall Length
5/8"	48-20-7200	6"	8"
5/8"	48-20-7203	10"	12"
5/8"	48-20-7206	16"	18"
3/4"	48-20-7210	6"	8"
3/4"	48-20-7215	10"	12"
3/4"	48-20-7220	16"	18"
7/8"	48-20-7225	6"	8"
7/8"	48-20-7230	10"	12"
7/8"	48-20-7236	16"	18"
1"	48-20-7240	8"	10"
1"	48-20-7246	16"	18"
1-1/8"	48-20-7250	8"	10"
1-1/8"	48-20-7256	16"	18"

## SDS+ ROTARY HAMMER BITS

### 2-CUTTER SDS+ CARBIDE BITS

#### ACCURATE STARTS

- Centering point ensures correct hole placement

#### FAST DRILLING

- Chisel shaped head for fast drilling in hard materials
- High volume flute entrance quickly channels debris to the flute



#### 4 FLUTED SPIRAL IN SMALL DIAMETERS

- Fast debris removal
- Minimizes bending and breaking
- Minimizes vibrations

Size	Useable Length	Overall Length	Individual Part Number	Bulk Part Number	Bulk Qty	Monster Pack Part Number	Qty
5/32"	2"	4-1/2"	48-20-7400	48-20-7500	25	-	-
5/32"	4"	6"	48-20-7401	48-20-7501	25	-	-
3/16"	2"	4-1/2"	48-20-7410	48-20-7510	25	48-20-7810	200
3/16"	4"	6"	48-20-7411	48-20-7511	25	48-20-7811	200
3/16"	6"	8"	48-20-7412	48-20-7512	25	-	-
3/16"	8"	10"	48-20-7413	48-20-7513	25	-	-
3/16"	10"	12"	48-20-7414	48-20-7514	25	-	-
3/16"	12"	14"	48-20-7415	48-20-7515	25	-	-
3/16"	14"	16"	48-20-7416	48-20-7516	25	-	-
7/32"	4"	6"	48-20-7421	48-20-7521	25	-	-
7/32"	6"	8"	48-20-7422	48-20-7522	25	-	-
7/32"	9"	11"	48-20-7424	48-20-7524	25	-	-
7/32"	12"	14"	48-20-7425	48-20-7525	25	-	-
7/32"	14"	16"	48-20-7426	48-20-7526	25	-	-
1/4"	2"	4-1/2"	48-20-7430	48-20-7530	25	48-20-7830	200
1/4"	4"	6"	48-20-7431	48-20-7531	25	48-20-7831	200
1/4"	6"	8"	48-20-7432	48-20-7532	25	-	-
1/4"	9"	11"	48-20-7434	48-20-7534	25	-	-
1/4"	12"	14"	48-20-7435	48-20-7535	25	-	-
1/4"	14"	16"	48-20-7436	48-20-7536	25	-	-
1/4"	18"	20"	48-20-7438	-	-	-	-
5/16"	4"	6"	48-20-7441	48-20-7541	25	48-20-7841	150
5/16"	10"	12"	48-20-7444	-	-	-	-
3/8"	4"	6"	48-20-7451	48-20-7551	20	48-20-7851	125
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	-	-
3/8"	16"	18"	48-20-7457	-	-	-	-
3/8"	22"	24"	48-20-7459	-	-	-	-

Size	Useable Length	Overall Length	Individual Part Number	Bulk Part Number	Bulk Qty	Monster Pack Part Number	Qty
7/16"	4"	6"	48-20-7461	-	-	-	-
7/16"	10"	12-1/2"	48-20-7464	-	-	-	-
7/16"	16"	18"	48-20-7467	-	-	-	-
1/2"	4"	6"	48-20-7471	48-20-7571	15	48-20-7871	100
1/2"	8"	10"	48-20-7473	-	-	-	-
1/2"	10"	12"	48-20-7474	48-20-7574	15	-	-
1/2"	16"	18"	48-20-7477	-	-	-	-
1/2"	22"	24"	48-20-7479	-	-	-	-
9/16"	4"	6-1/2"	48-20-7481	-	-	-	-
9/16"	10"	12-1/2"	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	-	-
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	-	-	-	-
27/32"	6"	8"	48-20-7069	-	-	-	-
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	-	-	-	-

### 2-CUTTER SDS+ CARBIDE BIT SETS

5 Pc SDS+ Kit 48-20-7490	6 Pc SDS+ Kit 48-20-7495
<b>Includes:</b> <ul style="list-style-type: none"> <li>3/16" x 4-1/2"</li> <li>1/4" x 6"</li> <li>5/16" x 6"</li> <li>3/8" x 6"</li> <li>1/2" x 6"</li> </ul>	<b>Includes:</b> <ul style="list-style-type: none"> <li>(2) 3/16" x 6"</li> <li>(2) 1/4" x 6"</li> <li>(1) 3/8" x 6"</li> <li>(1) 1/2" x 6"</li> </ul>

### 2-CUTTER SDS+ BITS WITH HEX SHOULDER

- Fits hex 5/16" CONDRIVE™ sleeve for Tap-Con® screw system

Size	Useable Length	Overall Length	Individual Part Number	Bulk Part Number	Bulk Qty
5/32"	2"	5"	48-20-7090	-	-
5/32"	3"	6"	48-20-7096	48-20-7196	25
5/32"	4"	7"	48-20-7091	48-20-7191	25
3/16"	2"	5"	48-20-7097	-	-
3/16"	3"	6"	48-20-7098	48-20-7198	25
3/16"	4"	7"	48-20-7092	48-20-7192	25

### SDS+ STOP BITS

Overall Length	Diameter	Individual Part Number
1-1/16"	3/8" (1/4" Drop-in)	48-20-7651
13/16"	1/2" (3/8" Drop-in, Short)	48-20-7652
1-11/16"	1/2" (3/8" Drop-in)	48-20-7653
1-1/16"	5/8" (1/2" Drop-in, Short)	48-20-7654
2-1/16"	5/8" (1/2" Drop-in)	48-20-7655



## SDS-MAX ROTARY HAMMER BITS

### LONG LIFE

- Brazing formula optimizes drilling for up to 20% longer life

### FAST DUST REMOVAL

- Unique flute geometry provides efficient dust removal

### PRECISE ROUND HOLES

- Centering point and 4-Cutter design provide accurate and precise round holes



Size	Useable Length	Overall Length	2-Cutter Part Number	4-Cutter Part Number
3/8"	7-1/2"	13"	48-20-3901	
1/2"	7-1/2"	13"	48-20-3902	
1/2"	11-1/2"	17"	48-20-3903	
1/2"	15-1/2"	21"	48-20-3904	
1/2"	22-1/2"	28"	48-20-3905	
1/2"	30-1/2"	36"	48-20-3906	
1/2"	54"	60"	48-20-3909	
9/16"	7-1/2"	13"	48-20-3910	
9/16"	15-1/2"	21"	48-20-3912	
5/8"	7-1/2"	13"		48-20-3916
5/8"	11-1/2"	17"		48-20-3917
5/8"	15-1/2"	21"		48-20-3918
5/8"	30-1/2"	36"		48-20-3922
5/8"	54"	60"		48-20-3923
11/16"	15-1/2"	21"		48-20-3926
3/4"	8"	13"		48-20-3930
3/4"	12"	17"		48-20-3931
3/4"	16"	21"		48-20-3932
3/4"	31"	36"		48-20-3936

Size	Useable Length	Overall Length	2-Cutter Part Number	4-Cutter Part Number
13/16"	16"	21"		48-20-3938
7/8"	8"	13"		48-20-3944
7/8"	12"	17"		48-20-3945
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
1-3/16"	18"	23"		48-20-3968
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

## SPLINE ROTARY HAMMER BITS

### LONG LIFE

- Brazing formula optimizes drilling for up to 20% longer life

### FAST DUST REMOVAL

- Unique flute geometry provides efficient dust removal

### ACCURATE PRECISE ROUND HOLES

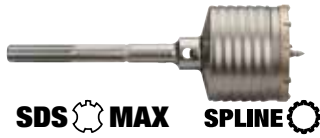
- Centering point and 4-Cutter design provides accurate and precise round holes



Size	Useable Length	Overall Length	2-Cutter	4-Cutter
3/8"	4"	10"	48-20-4037	
1/2"	4"	10"	48-20-4050	
1/2"	10"	16"	48-20-4051	
1/2"	16"	22"	48-20-4052	
1/2"	22"	27"	48-20-4053	
1/2"	31"	36"	48-20-4054	
9/16"	4"	10"	48-20-4056	
9/16"	18"	23"	48-20-4057	
5/8"	5"	10"	48-20-4062	48-20-4300
5/8"	11"	16"	48-20-4063	48-20-4305
5/8"	16"	22"	48-20-4064	48-20-4310
5/8"	24"	29"		48-20-4315
5/8"	31"	36"		48-20-4320
11/16"	11"	16"	48-20-4068	48-20-4325
3/4"	5"	10"	48-20-4075	48-20-4330
3/4"	11"	16"	48-20-4076	48-20-4335
3/4"	17"	22"	48-20-4078	48-20-4340
3/4"	24"	29"		48-20-4345
3/4"	31"	36"		48-20-4350

Size	Useable Length	Overall Length	2-Cutter	4-Cutter
13/16"	11"	16"	48-20-4081	
7/8"	11"	16"	48-20-4087	48-20-4360
7/8"	17"	22"	48-20-4088	48-20-4365
7/8"	31"	36"		48-20-4367
1"	11"	16"	48-20-4100	48-20-4370
1"	17"	22"	48-20-4101	48-20-4375
1"	31"	36"		48-20-4380
1-1/8"	11"	16"	48-20-4112	48-20-4385
1-1/8"	17"	22"	48-20-4113	48-20-4390
1-1/4"	11"	16"	48-20-4125	48-20-4395
1-1/4"	17"	22"	48-20-4126	48-20-4400
1-1/4"	31"	36"		48-20-4405
1-3/8"	11"	16"	48-20-4137	
1-3/8"	17"	22"	48-20-4138	48-20-4410
1-1/2"	11"	16"	48-20-4150	
1-1/2"	17"	22"	48-20-4151	48-20-4415
1-5/8"	17"	22"	48-20-4153	
1-3/4"	18"	23"		48-20-4418
2"	18"	23"		48-20-4419

## ONE-PIECE CORE BITS



Diameter	Inner Core Depth	Overall Length	SDS-MAX Part No.	SPLINE Part No.
1-1/2"	3"	11-3/8"	48-20-5400	48-20-5450
1-1/2"	3"	22"	48-20-5402	48-20-5452
1-3/4"	3"	11-3/8"	48-20-5404	48-20-5454
1-3/4"	3"	22"	48-20-5406	48-20-5456
2"	3"	11-3/8"	48-20-5408	48-20-5458
2"	3"	22"	48-20-5410	48-20-5460
2-5/8"	3"	11-3/8"	48-20-5412	48-20-5462
2-5/8"	3"	22"	48-20-5414	48-20-5464
3-1/8"	3"	11-3/8"	48-20-5420	48-20-5470
3-1/8"	3"	22"	48-20-5422	48-20-5472
3-9/16"	3"	11-3/8"	48-20-5428	48-20-5478
3-9/16"	3"	22"	48-20-5430	48-20-5480
4"	3"	11-3/8"	48-20-5432	48-20-5482
4"	3"	22"	48-20-5434	48-20-5484
5"	3"	11-3/8"	48-20-5436	48-20-5486
5"	3"	22"	48-20-5438	48-20-5488
6"	3"	22"	48-20-5440	48-20-5490

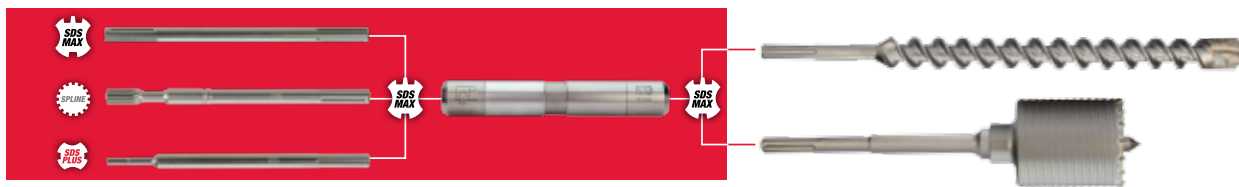
## SDS-MAX TUNNEL BITS



Diameter	Overall Length	Part No.
1-1/2"	12-1/4"	48-20-5300
1-1/2"	22"	48-20-5302
1-3/4"	12-1/4"	48-20-5304
1-3/4"	22"	48-20-5306
1-3/4"	39"	48-20-5308
2-1/8"	12-1/4"	48-20-5310
2-1/8"	22"	48-20-5312
2-1/8"	39"	48-20-5314
2-1/2"	12-1/4"	48-20-5316
2-1/2"	22"	48-20-5318
2-1/2"	39"	48-20-5320
3-1/8"	12-1/4"	48-20-5322
3-1/8"	22"	48-20-5324

Replacement Parts	Part No.
1Pc Core Centering Pin	48-20-5495
1Pc Core Drift Pin	48-20-5497

## MAX-LOK™ EXTENSION SYSTEM



### CONNECTION

Part No.	Description
48-20-6950	Max-Lok™ Connection, includes grease 49-08-5385



### SDS-MAX EXTENSIONS



Part No.	Length
48-20-6960	12-1/2"
48-20-6962	29-1/2"
48-20-6964	43"
48-20-6966	63"
48-20-6968	82-1/2"

### GREASE

Part No.	Description
49-08-5385	Max-Lok™ Replacement Grease



### SPLINE EXTENSIONS



Part No.	Length
48-20-6970	12-1/2"
48-20-6972	29-1/2"
48-20-6974	43"



### SDS-PLUS EXTENSIONS



Part No.	Length
48-20-6980	12-1/2"
48-20-6982	29-1/2"

# CARBIDE BITS

## SDS+ THIN WALL CARBIDE TIPPED CORE BITS



Size	Depth	Core Body w/ Guide Plate & Centering Pin*	8" SDS+ Adapter Shank	12" SDS+ Adapter Shank	7-1/2" Extension	Replacement Guide Plate	Replacement Centering Pin
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

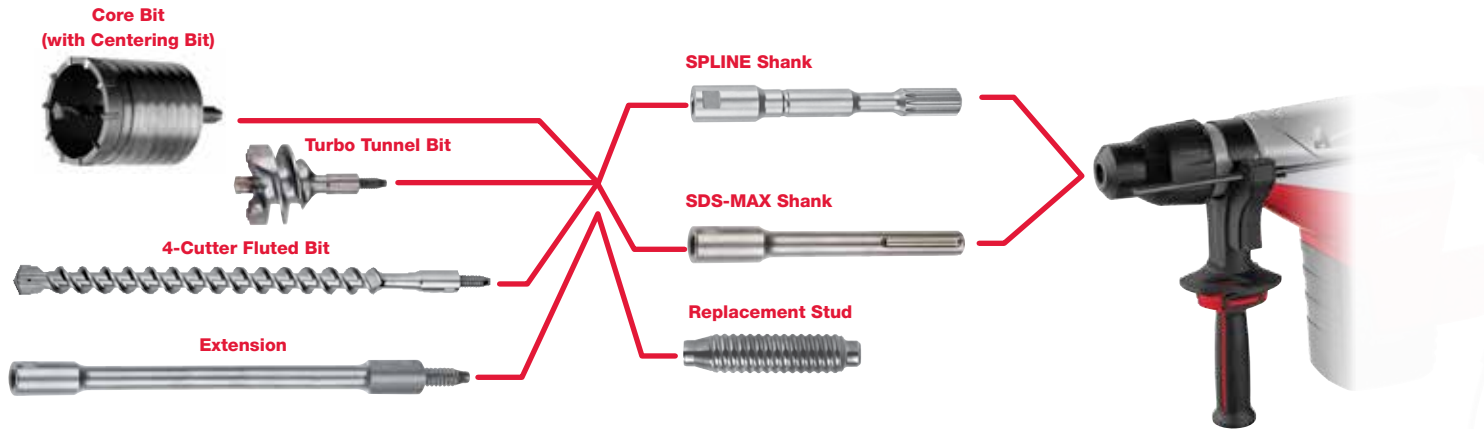
\*Guide plate and centering pin not included with 1" & 1-1/8" diameter core bits

## SDS-MAX AND SPLINE THICK WALL CARBIDE TIPPED CORE BITS



	Size	Depth	Core Body w/ Guide Plate & Centering Pin	12" SPLINE Adapter Shank	18" SPLINE Adapter Shank	12" SDS-MAX Adapter Shank	18" SDS-MAX Adapter Shank	7-1/2" Extension	Replacement Guide Plate	Replacement Centering Pin
THICK WALL	1-1/2"	4-1/16"	48-20-5125	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5168	48-20-5199
	1-3/4"	4-1/16"	48-20-5130	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5169	48-20-5199
	2"	4-1/16"	48-20-5135	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5170	48-20-5199
	2-1/2"	4-1/16"	48-20-5140	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5171	48-20-5199
	3"	4-1/16"	48-20-5145	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5172	48-20-5199
	3-1/2"	4-1/16"	48-20-5150	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5173	48-20-5199
	4"	4-1/16"	48-20-5155	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5174	48-20-5199
	5"	4-1/16"	48-20-5160	48-03-3564	48-03-3565	48-03-3572	48-03-3573	48-95-6085	48-20-5175	48-20-5199
THIN WALL	5"	2-13/16"	48-20-5060	48-03-3540	-	48-03-3574	-	48-95-6075	48-20-6162	48-20-6155
	6"	2-13/16"	48-20-5065	48-03-3540	-	48-03-3574	-	48-95-6075	48-20-6163	48-20-6155

## LHS SYSTEM



### LHS 4-CUTTER FLUTED BITS



Size	Part Number	Depth
1-1/8"	48-20-5070	18"
1-1/4"	48-20-5071	18"

### TURBO TUNNEL BITS

Size	Part Number	Depth
1-3/8"	48-20-5082	35 mm
1-1/2"	48-20-5083	40 mm
1-3/4"	48-20-5084	45 mm
2-1/8"	48-20-5085	55 mm
2-5/8"	48-20-5087	68 mm
3-1/8"	48-20-5089	80 mm



### LHS THICK WALL CARBIDE-TIPPED CORE BITS

Size	Part Number	Depth	Metric
1-1/2"	48-20-5090	3"	40 mm
1-3/4"	48-20-5091	3"	45 mm
2-1/8"	48-20-5092	3"	55 mm
2-5/8"	48-20-5093	3"	68 mm
3-1/8"	48-20-5094	3"	80 mm
3-1/2"	48-20-5095	3"	90 mm
4"	48-20-5096	3"	100 mm
5"	48-20-5097	3"	120 mm
	48-20-5099	Replacement Centering Bit	



### LHS REPLACEMENT PARTS

Description	Part Number
7" SPLINE Shank	48-20-5075
7-1/2" SDS-MAX Shank	48-20-5077
11" Extension	48-20-5079
2-1/2" Replacement Threaded Stud	48-20-5081





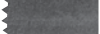







## CARBIDE BIT ADAPTERS

Description	Part Number
SPLINE to "B" Taper Adapter	48-66-6503
SPLINE to "A" Taper Adapter	48-66-6502
SPLINE TO SDS MAX	48-03-3010
SDS MAX TO SPLINE	48-03-3012
SPLINE To SDS+ Bit Adapter	48-03-3015
SDS-MAX To SDS+ Bit Adapter	48-03-3025
SDS+ to 3-Jaw Chuck Adapter Kit	48-66-1370
SDS+ Dust Shield	48-03-3030













# DEMOLITION HAMMER ACCESSORIES

## DEMOLITION HAMMER ACCESSORIES (SDS+, SDS-MAX, SPLINE, 3/4" HEX)

Type	Description	Size	SDS+			SDS-MAX (Slotted 18 mm Round)			SPLINE or Round Hex (3/4" Hex with 21/32" Round)			3/4" Hex		
			Individual Part Number	Bulk Part Number	Qty	Individual Part Number	Bulk Part Number	Qty	Individual Part Number	Bulk Part Number	Qty	Individual Part Number	Bulk Part Number	Qty
 <b>BULL POINT</b>	Starts holes in concrete slabs, general chipping and breaking	10"	48-62-6010	48-62-6110	25	-	-	-	-	-	-	-	-	
		12"	-	-	-	48-62-4075	48-62-4175	25	48-62-2000	48-62-2100	25	48-62-3000	-	-
		18"	-	-	-	48-62-4077	48-62-4177	25	48-62-2010	48-62-2110	25	48-62-3005	-	-
 <b>FLAT CHISEL</b>	General chipping and breaking	3/4" x 10"	48-62-6015	48-62-6115	25	-	-	-	-	-	-	-	-	
		1" x 12"	-	-	-	48-62-4079	48-62-4179	25	48-62-2020	48-62-2120	25	48-62-3010	48-62-3110	25
		1" x 18"	-	-	-	48-62-4081	48-62-4181	25	48-62-2030	48-62-2130	25	48-62-3015	-	-
 <b>SCALING CHISEL</b>	Cleans concrete, scale, rust, cuts troughs and some asphalt	1-1/2" x 10"	48-62-6020	48-62-6120	25	-	-	-	-	-	-	-	-	
		1-1/2" x 12"	-	-	-	48-62-4082	-	-	48-62-2040	-	-	48-62-3020	-	-
		2" x 12"	-	-	-	48-62-4085	48-62-4185	25	48-62-2050	48-62-2150	25	48-62-3035	-	-
		3" x 12"	-	-	-	48-62-4087	48-62-4187	25	48-62-2055	48-62-2155	25	48-62-3030	48-62-3130	25
 <b>SCRAPING CHISEL</b>	Scrapes surface rather than breaking material on top	2" x 12"	-	-	-	48-62-4089	-	-	48-62-2065	-	-	48-62-3025	-	-
 <b>SLOTTING TOOL</b>	Breaks out the "web" between closely spaced drilled holes to make a large opening	1-1/4" x 15"	-	-	-	48-62-4073	-	-	-	-	-	-	-	
		1-1/2" x 12"	-	-	-	-	-	-	48-62-2060	-	-	-	-	
 <b>SEAM TOOL</b>	Removes mortar between brick or block, cuts narrow channels	1" x 15"	-	-	-	48-62-4080	-	-	48-62-2080	-	-	-	-	
 <b>BUSHING TOOL - ONE PIECE</b>	Removes excess concrete, produces exterior finish, roughens surface before surface coating	1-3/4" Sq. x 10-1/2"	-	-	-	48-62-4065	-	-	48-62-2070	48-62-2170	15	48-62-3085	48-62-3185	15
		1-3/4" Sq. x 9-3/4"	-	-	-	-	-	-	-	-	-	-	-	-
 <b>ASPALT CUTTER</b>	Cuts asphalt or hard packed gravel (Do NOT use for concrete)	5" x 16-1/2"	-	-	-	48-62-4066	-	-	-	-	-	48-62-3090	-	-
 <b>CLAY SPADE</b>	Digging clay, hard packed gravel (Do NOT use for concrete)	4-1/2" x 16-5/8"	-	-	-	48-62-4068	48-62-4168	12	-	-	-	-	-	
		4-1/2" x 16-3/4"	-	-	-	-	-	-	48-62-2095	-	-	48-62-3040	48-62-3140	12
 <b>GROUND ROD DRIVER</b>	Drives soft ground rods. Socket depth - 2-3/4", inner dia. - .906"	9-3/4"L - 5/8" & 3/4" Rod Dia.	-	-	-	48-62-4091	-	-	-	-	-	48-62-3070	-	-
		10"L - 5/8" & 3/4" Rod Dia.	-	-	-	-	-	-	48-62-2046	-	-	-	-	-
 <b>TAMPER PLATE SHANK</b>	Used to mount tamper plate	12"	-	-	-	48-62-4092	-	-	48-62-2097	-	-	48-62-3065	-	-
 <b>TAMPER PLATE</b>	Compacts dirt, tamps asphalt	5" x 5"	-	-	-	48-62-3060	-	-	48-62-3060	-	-	48-62-3060	-	-

## DEMOLITION HAMMER ACCESSORIES (1-1/8" COLLARED HEX WITH NOTCH)

Type	Description	Size	Individual Part Number	Bulk Part Number	Qty
 <b>MOIL POINT</b>	Starts holes in concrete slabs, general chipping and breaking	20"	48-62-4000	48-62-4100	8
 <b>NARROW CHISEL</b>	General chipping and breaking	20-1/2"	48-62-4005	48-62-4105	8
 <b>CHISEL</b>	Wide chisel with two 60° cutting angles cleans concrete, scale, rust, cuts troughs and some asphalt	3" x 20-1/2"	48-62-4010	48-62-4110	8
 <b>ASPALT CUTTER</b>	Cuts asphalt or hard ground (DO NOT use for concrete)	5" x 17-1/2"	48-62-4020	48-62-4120	6
 <b>CLAY SPADE</b>	Digs clay, hard packed gravel, dirt (DO NOT use for concrete)	5-1/2" x 20"	48-62-4030	48-62-4130	5
 <b>SPIKE PIN DRIVER</b>	Drives anchoring pins for concrete forms	14-1/2"	48-62-4040	-	-
 <b>GROUND ROD DRIVER</b>	Drives ground rods	15-1/2" long / 3" Depth	48-62-4045	-	-
 <b>TAMPER PLATE</b>	Compacts dirt, tamps asphalt. Use with 48-62-4060	6" x 6"	48-62-4050	-	-
		8" x 8"	48-62-4055	-	-
 <b>TAMPER SHANK</b>	For use with 48-62-4050, 48-62-4055 and 48-62-4061	15-1/2"	48-62-4060	-	-
 <b>TENT STAKE DRIVER</b>	Used to drive in large tent stakes. Use with 48-62-4060	5-1/2" L / 3-1/2" OD / 2-3/4" ID	48-62-4061	-	-

Demolition Accessory Set  
48-20-4200

Includes: 48-20-4051, 48-20-4063, 48-20-4076, 48-62-2000, 48-62-2020

## DIAMOND CORE BITS

### Premium Series

- Designed to offer exceptional drilling life and speed in cured concrete with hard aggregate and medium steel reinforcement



### Contractor Series

- Optimized to provide value for coring fewer holes in cured concrete with no reinforcement or with small diameter steel mesh and rebar



### Pre-Stressed Series

- Designed specifically for the extra demands of drilling pre-stressed concrete



Size	Thread	Premium	Contractor	Pre-Stressed
3/4"	5/8" - 11	48-16-0756	-	-
7/8"	5/8" - 11	48-16-0876	-	-
1"	5/8" - 11	48-16-1006	-	48-16-1007
1-1/4"	5/8" - 11	48-16-1260	-	-
1-1/2"	5/8" - 11	48-16-1506	-	48-16-1507
2"	1-1/4" - 7	48-16-2013	48-16-2007	48-16-2014
2-1/2"	1-1/4" - 7	48-16-2513	48-16-2507	48-16-2514
2-3/4"	1-1/4" - 7	48-16-2756	-	-
3"	1-1/4" - 7	48-16-3013	48-16-3007	48-16-3014
3-1/2"	1-1/4" - 7	48-16-3511	48-16-3507	48-16-3512
4"	1-1/4" - 7	48-16-4013	48-16-4007	48-16-4014
4-1/4"	1-1/4" - 7	-	48-16-4257	-
4-1/2"	1-1/4" - 7	48-16-4506	-	48-16-4507
5"	1-1/4" - 7	48-16-5013	48-16-5007	48-16-5014
6"	1-1/4" - 7	48-16-6013	48-16-6007	48-16-6014
7"	1-1/4" - 7	48-16-7006	-	-
8"	1-1/4" - 7	48-16-8006	-	-
9"	1-1/4" - 7	48-16-9006	-	-
10"	1-1/4" - 7	48-16-9506	-	-
12"	1-1/4" - 7	48-16-9605	-	-
14"	1-1/4" - 7	48-16-9705	-	-

## DIAMOND CORE BIT ACCESSORIES



Threaded Adaptor 48-04-0160	Copper Spindle Spacer 45-88-8565	3/16" Socket Wrench 49-96-0085	1-3/8" Open End Wrench 49-96-4700
<ul style="list-style-type: none"> <li>Reduces 1-1/4"-7 threads to 5/8"-11 for diamond core bits and extensions</li> </ul>	<ul style="list-style-type: none"> <li>Minimizes friction lock</li> </ul>	<ul style="list-style-type: none"> <li>For mounting DYMODRILLS to cradle</li> </ul>	<ul style="list-style-type: none"> <li>For use with DYMODRILLS. Also for threaded adapters and bit extensions</li> </ul>



Spacer Assembly 49-67-0110	Spacer Assembly 49-67-0050	Spacer Assembly 49-67-0115
<ul style="list-style-type: none"> <li>For use with models: 4125, 4130, and 4136</li> <li>Mounts between cradle and DYMODRILL motor to increase DYMO-RIG bit capacity from 10" to 14"</li> <li>Net weight 3 lbs. Shipping weight 5 lbs</li> </ul>	<ul style="list-style-type: none"> <li>For use with previous DYMO-RIG models 4104, 4114 and 4119</li> <li>Spacer 1" thick, mounts between cradle and DYMODRILL motor</li> <li>Allows use of bits thru 10" diameter</li> </ul>	<ul style="list-style-type: none"> <li>For use with models 4115, 4120, 4115-21, 4115-22, 4120-21 and 4120-22 to increase bit capacity from 10" to 14"</li> <li>Net weight 3-1/2 lbs. Shipping weight 5-1/2 lbs</li> </ul>



9" Bit Extension 48-95-1500	10-1/2" Bit Extension 48-95-2100
<ul style="list-style-type: none"> <li>Extension threaded on both ends with 1-1/4"-7 thread, for use with Diamond Core Bits over 2" diameter with 1-1/4"-4 thread</li> <li>Extension mounts directly to DYMODRILL – up to two can be coupled together for extended coring</li> </ul>	<ul style="list-style-type: none"> <li>Extension threaded on both ends with 5/8"-11 thread, for use with 1-1/4" and 1-1/2" diameter Diamond Core bits with 5/8"-11 thread</li> <li>Extension requires 48-04-0160 threaded adaptor for mounting to DYMODRILLS – up to two can be coupled together for extended coring</li> </ul>

# ABRASIVE WHEELS

## TYPE 1 PREMIUM ABRASIVE CUT-OFF WHEELS FOR CUT-OFF MACHINES



### TYPE 1 CUT-OFF WHEELS

- Designed for fast cutting and long life
- Type 1 cut-off wheels are designed for cutting only



### TYPE 27 DEPRESSED CENTER WHEELS

- Designed for fast cutting and long life



### TYPE 27 DEPRESSED CENTER WHEELS WITH 5/8"-11 THREADED HUB

- Designed for grinding, blending and other general purpose applications

### TYPE 27 GRINDING WHEELS

- Designed for grinding, blending and other general purpose applications

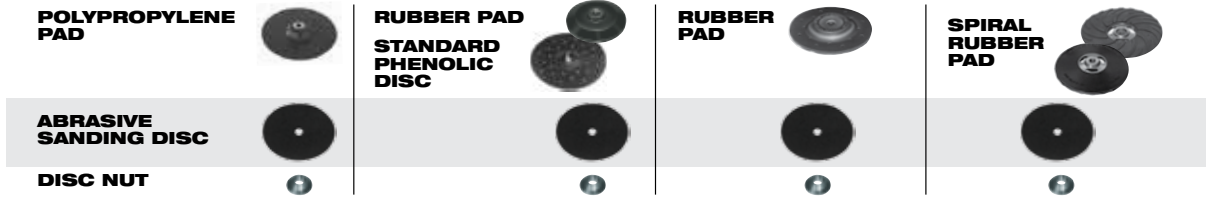
Size	Thickness	Arbor	Part Number	Abrasive Type	Abrasive Spec.	Application	Max RPM	Qty
<b>FOR STATIONARY ABRASIVE CUT-OFF MACHINES (NOT INTENDED FOR USE ON HAND HELD CUT-OFF MACHINES)</b>								
12"	3/32"	1"	49-94-1220	Aluminum Oxide	A36P	General Purpose - Metal	5,095	10
14"	3/32"	1"	49-94-1405	Aluminum Oxide	A36P	General Purpose - Metal (Double Reinforced)	4,365	5
14"	3/32"	1"	49-94-1410	Aluminum Oxide	A36P	Metal Stud	4,365	10
14"	3/32"	1"	49-94-1415	Aluminum Oxide	A36P	General Purpose - Metal (Center Reinforced)	4,365	5
<b>FOR HAND HELD ABRASIVE CUT-OFF MACHINES (NOT INTENDED FOR USE ON STATIONARY CUT-OFF MACHINES)</b>								
12"	1/8"	20mm	49-94-1270	Aluminum Oxide	A24R	General Purpose - Metal	6,360	10
12"	1/8"	1"	49-94-1275	Aluminum Oxide	A24R	General Purpose - Metal	6,360	10
12"	1/8"	20mm	49-94-1280	Silicon Carbide	C24T	Masonry	6,360	10
12"	1/8"	1"	49-94-1285	Silicon Carbide	C24T	Masonry	6,360	10
14"	1/8"	20mm	49-94-1470	Aluminum Oxide	A24R	General Purpose - Metal	5,400	10
14"	1/8"	1"	49-94-1475	Aluminum Oxide	A24R	General Purpose - Metal	5,400	10
14"	1/8"	20mm	49-94-1480	Silicon Carbide	C24T	Masonry	5,400	10
14"	1/8"	1"	49-94-1485	Silicon Carbide	C24T	Masonry	5,400	10

## TYPE 1 AND TYPE 27 REINFORCED DEPRESSED CENTER WHEELS

Size	Thickness	Arbor	Part Number	Abrasive Spec.	Applications	Characteristics	Max RPM	Case Qty
<b>TYPE 1 CUT-OFF WHEELS</b>								
4-1/2"	0.045"	7/8"	49-94-4500	A60T	Metal/Stainless Cutting	Fast Cut/Long Life	13,580	25
5"	0.045"	7/8"	49-94-5000	A60T	Metal/Stainless Cutting	Fast Cut/Long Life	12,225	25
6"	0.045"	7/8"	49-94-6300	A60T	Metal/Stainless Cutting	Fast Cut/Long Life	10,185	25
7"	3/32"	5/8"	49-94-7050	A24R	General Purpose - Metal	Fast Cut/Long Life	8,730	25
7"	1/8"	5/8"	49-94-7055	C24T	Masonry Cutting	Fast Cut/Long Life	8,730	25
<b>TYPE 27 CUT-OFF WHEELS</b>								
4-1/2"	0.045"	7/8"	49-94-4505	A60T	Metal/Stainless Cutting	Fast Cut/Long Life	13,580	25
5"	0.045"	7/8"	49-94-5005	A60T	Metal/Stainless Cutting	Fast Cut/Long Life	12,225	25
6"	0.045"	7/8"	49-94-6305	A60T	Metal/Stainless Cutting	Fast Cut/Long Life	10,185	25
<b>TYPE 27 GRINDING WHEELS</b>								
4-1/2"	1/8"	7/8"	49-94-4510	A30S	Pipeline - Light Grinding/Cutting	Fast Cut	13,580	10
4-1/2"	1/4"	5/8"-11	49-94-4515	A24R	Metal/Stainless Grinding	Long Life	13,580	5
4-1/2"	1/4"	7/8"	49-94-4520	A24R	Metal/Stainless Grinding	Long Life	13,580	10
4-1/2"	1/8"	5/8"-11	49-94-4525	A30S	Pipeline - Light Grinding/Cutting	Fast Cut	13,580	5
4-1/2"	1/4"	7/8"	49-94-4570	C24T	Concrete Grinding	Aggressive Material Removal	13,580	10
4-1/2"	1/4"	7/8"	49-94-4580	ZA24R	Metal Grinding	Extra Long Life	13,580	10
4-1/2"	1/4"	5/8"-11	49-94-4585	ZA24R	Metal Grinding	Extra Long Life	13,580	5
5"	1/8"	7/8"	49-94-5010	A30S	Pipeline - Light Grinding/Cutting	Fast Cut	12,225	10
5"	1/4"	7/8"	49-94-5020	A24R	Metal/Stainless Grinding	Long Life	12,225	10
5"	1/4"	7/8"	49-94-5730	C24T	Concrete Grinding	Aggressive Material Removal	12,225	10
5"	1/8"	7/8"	49-94-5740	C24T	Concrete Grinding	Aggressive Material Removal	12,225	10
5"	1/4"	7/8"	49-94-5080	ZA24R	Metal/Stainless Cutting	Extra Long Life	12,225	10
6"	1/4"	5/8"-11	49-94-6330	A24R	Metal/Stainless Grinding	Long Life	10,185	5
6"	1/4"	7/8"	49-94-6340	A24R	Metal/Stainless Grinding	Long Life	10,185	10
6"	1/8"	5/8"-11	49-94-6360	A30S	Pipeline - Light Grinding/Cutting	Fast Cut	10,185	5
7"	1/8"	5/8"-11	49-94-7015	A30S	Pipeline - Light Grinding/Cutting	Fast Cut	8,600	5
7"	1/4"	7/8"	49-94-7020	A24R	Metal/Stainless Grinding	Long Life	8,600	10
7"	1/4"	5/8"-11	49-94-7025	A24R	Metal/Stainless Grinding	Long Life	8,600	5
7"	1/4"	5/8"-11	49-94-7735	C24T	Concrete Grinding	Aggressive Material Removal	8,600	5
7"	1/8"	5/8"-11	49-94-7075	ZA24R	Pipeline - Light Grinding/Cutting	Extra Long Life	8,600	5
7"	1/4"	5/8"-11	49-94-7085	ZA24R	Metal Grinding	Extra Long Life	8,600	5
9"	1/8"	5/8"-11	49-94-9015	A30S	Pipeline - Light Grinding/Cutting	Fast Cut	6,600	10
9"	1/4"	5/8"-11	49-94-9025	A24R	Metal/Stainless Grinding	Long Life	6,600	10
9"	1/4"	5/8"-11	49-94-9735	C24T	Concrete Grinding	Aggressive Material Removal	6,600	10
9"	1/4"	5/8"-11	49-94-9085	ZA24R	Metal Grinding	Extra Long Life	6,600	10
<b>ALUMINUM OXIDE RESINOID BOND GRINDING WHEELS (FOR USE WITH STRAIGHT GRINDERS ONLY)</b>								
2-1/2"	1/2"	3/8"	49-92-0200	60 Grit	For use with Straight Grinders	Long Life	21,000	1
2-1/2"	1/2"	3/8"	49-92-0250	36 Grit	For use with Straight Grinders	Long Life	21,000	1
3"	1/2"	3/8"	49-92-0500	36 Grit	For use with Straight Grinders	Long Life	18,000	1
3"	1/2"	3/8"	49-92-0510	60 Grit	For use with Straight Grinders	Long Life	18,000	1
5"	1"	5/8"	49-92-2240	24 Grit	For use with Straight Grinders	Long Life	7,260	1
6"	1"	5/8"	49-92-3260	24 Grit	For use with Straight Grinders	Long Life	6,000	1

\*Includes diamond knockout

## BACKING PAD ASSEMBLIES



Part Number	Diameter	Thread	Max RPM
<b>SPIRAL RUBBER PAD ASSEMBLIES (INCLUDES RUBBER PAD AND DISC NUT)</b>			
49-36-3800	7"	5/8"-11	7,500
49-36-3850	9"	5/8"-11	6,000
49-40-0360	Disc Nut Only	5/8"-11	-
<b>RUBBER PAD ASSEMBLIES (INCLUDES RUBBER PAD AND DISC NUT)</b>			
49-36-3700	7"	5/8"-11	8,500
49-36-3750	9"	5/8"-11	7,500
49-40-0360	Disc Nut Only	5/8"-11	-
<b>STANDARD PHENOLIC DISC ASSEMBLIES (INCLUDES RUBBER PAD AND DISC NUT)</b>			
49-36-6000	7"	5/8"-11	7,000
49-36-6050	9"	5/8"-11	7,000
49-40-0350	Disc Nut Only	5/8"-11	-
<b>PHENOLIC DISC ONLY (WHEN PURCHASED SEPARATELY)</b>			
48-80-6000	7"	5/8"-11	7,000
48-80-6050	9"	5/8"-11	7,000
49-36-3500	Rubber Pad Only	-	7,000
49-40-0350	Disc Nut Only	5/8"-11	-

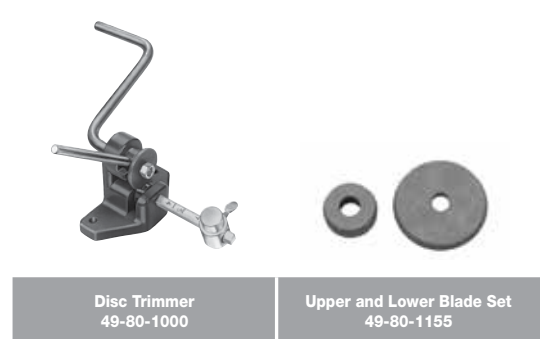
Part Number	Diameter	Thread	Max RPM
<b>POLYPROPYLENE PAD KITS (INCLUDES BACKING PAD AND DISC NUT)</b>			
49-36-3455	4-1/2"	5/8"-11	13,000
49-36-3450	4-1/2"	1/2"-13	13,000
49-36-3465	5"	5/8"-11	13,000
49-36-3460	5"	1/2"-13	13,000
<b>POLYPROPYLENE PADS</b>			
49-36-3452	4-1/2"	1/2"-13	13,000
49-36-3453	4-1/2"	5/8"-11	13,000
49-36-3462	5"	1/2"-13	13,000
49-36-3463	5"	5/8"-11	13,000
49-36-3900	7"	5/8"-11	10,000
49-36-3950	9"	5/8"-11	8,000
49-40-0350	Disc Nut	5/8"-11	-
49-40-0360	Disc Nut	5/8"-11	-
49-40-0370	Disc Nut	1/2"-13	-

## RESIN BONDED ABRASIVE SANDING DISCS

Grit	4-1/2" 13,000 MAX RPM	5" 13,000 MAX RPM	7" 7,000 MAX RPM	9" 7,000 MAX RPM	Qty
<b>ALUMINA ZIRCONIA RESIN FIBRE DISCS - FOR HEAVY WELD AND METAL GRINDING - IDEAL FOR ALL FERROUS METALS</b>					
24	48-80-0681	48-80-0693	48-80-0705	48-80-0717	25
36	48-80-0683	48-80-0695	48-80-0707	48-80-0719	25
50	48-80-0685	48-80-0697	48-80-0709	48-80-0723	25
60	48-80-0687	48-80-0699	48-80-0713	48-80-0725	25
80	48-80-0689	48-80-0703	48-80-0715	48-80-0727	25
<b>ALUMINUM OXIDE RESIN FIBRE DISCS - FOR ALUMINUM AND NON-FERROUS METALS, WOOD AND FIBERGLASS</b>					
24	48-80-0622	48-80-0636	48-80-0652	-	5
24	48-80-0623	48-80-0637	48-80-0653	48-80-0667	25
36	48-80-0626	48-80-0642	48-80-0656	-	5
36	48-80-0627	48-80-0643	48-80-0657	48-80-0673	25
50	48-80-0632	48-80-0646	48-80-0662	-	5
50	48-80-0633	48-80-0647	48-80-0663	48-80-0677	25
<b>CERAMIC RESIN FIBRE DISCS - FOR CARBON ALLOY APPLICATIONS ONLY - LONG LASTING AND SUPERIOR PERFORMANCE</b>					
24	48-80-0770	48-80-0812	48-80-0820	48-80-0830	5
36	48-80-0780	48-80-0814	48-80-0822	48-80-0832	5
50	48-80-0790	48-80-0815	48-80-0824	48-80-0834	5
60	48-80-0800	48-80-0816	48-80-0826	48-80-0836	5
80	48-80-0810	48-80-0817	48-80-0828	48-80-0838	5
<b>ALUMINUM OXIDE RESIN FIBRE DISCS - GENERAL PURPOSE - FOR RUST AND SCALE REMOVAL LIGHT GRINDING OF VARIOUS METALS</b>					
ASSORT*	48-80-0501	48-80-0534	48-80-0572	-	5
16	-	-	48-80-0575	-	5
16	-	-	48-80-0576	48-80-0603	25
24	48-80-0504	48-80-0536	48-80-0579	-	5
24	48-80-0505	48-80-0537	48-80-0580	48-80-0605	25
36	48-80-0508	48-80-0542	48-80-0583	-	5
36	48-80-0509	48-80-0543	48-80-0584	48-80-0607	25
50	48-80-0514	48-80-0548	48-80-0587	-	5
50	48-80-0515	48-80-0549	48-80-0588	48-80-0609	25
60	48-80-0518	48-80-0554	48-80-0591	-	5
60	48-80-0519	48-80-0555	48-80-0592	48-80-0613	25
80	48-80-0524	48-80-0560	48-80-0595	-	5
80	48-80-0525	48-80-0561	48-80-0596	48-80-0615	25
120	48-80-0528	48-80-0566	48-80-0599	-	5
120	48-80-0529	48-80-0567	48-80-0601	48-80-0617	25

\*Includes one each of: 36, 50, 60, 80 and 120 grit discs

## DISC TRIMMER










Disc Trimmer  
49-80-1000





Upper and Lower Blade Set  
49-80-1155

# WIRE BRUSHES/WHEELS

## WIRE BRUSHES

Description	Diameter	Thread	Wire Thickness	Max RPM	Carbon Steel	Stainless Steel
 <b>KNOT WIRE CUP BRUSH</b>	2-3/4"	5/8"-11	0.020"	12,000	48-52-5040	48-52-5050
	2-3/4"	1/2"-13	0.020"	12,000	48-52-1125	48-52-1130
	3-1/2"	5/8"-11	0.020"	13,000	48-52-5067	-
	4"	5/8"-11	0.020"	7,000	48-52-1350	-
	6"	5/8"-11	0.020"	6,000	48-52-1650	-
 <b>CRIMPED WIRE CUP BRUSH</b>	3"	5/8"-11	0.012"	12,000	48-52-5060	-
	3"	1/2"-13	0.012"	12,000	48-52-1135	-
	3-1/2"	5/8"-11	0.014"	12,000	48-52-5065	-
	4"	5/8"-11	0.014"	7,000	48-52-1300	-
	5"	5/8"-11	0.020"	8,000	48-52-1400	-
 <b>BEVEL KNOT BRUSH</b>	4"	5/8"-11	0.014"	12,000	48-52-1280	48-52-1290
	4"	1/2"-13	0.014"	12,000	48-52-1285	48-52-1295
	4"	5/8"-11	0.020"	12,000	48-52-1305	48-52-1315
	4"	1/2"-13	0.020"	12,000	48-52-1310	48-52-1320
 <b>BEVEL CRIMPED BRUSH</b>	4"	5/8"-11	0.014"	12,000	48-52-1325	48-52-1335
	4"	1/2"-13	0.014"	12000	48-52-1330	48-52-1340
 <b>CRIMPED END WIRE BRUSHES</b>	1/2"	-	0.014"	25,000	48-52-1000	-
	3/4"	-	0.014"	22,000	48-52-1010	-
	1"	-	0.014"	22,000	48-52-1015	-
	1"	-	0.020"	22,000	48-52-1020	-
	3/4"	-	0.006"	22,000	-	48-52-1022
	1"	-	0.006"	22000	-	48-52-1025
	1"	-	0.010"	22,000	-	48-52-1027
 <b>KNOT END WIRE BRUSHES</b>	3/4"	-	0.014"	22,000	48-52-1030	-
	3/4"	-	0.020"	22,000	48-52-1035	-
	1-1/8"	-	0.014"	22,000	48-52-1040	-
	1-1/8"	-	0.020"	22,000	48-52-1045	48-52-1055
 <b>CUP FLARED, END BRUSH</b>	2-1/2"	-	0.014"	22,000	48-52-1050	-

## WIRE WHEELS

Description	Diameter	Thread	Wire Thickness	Max RPM	Carbon Steel	Stainless Steel
 <b>STRINGER BEAD WIRE WHEEL</b>	4"	5/8"-11	0.020"	12,000	48-52-5010	48-52-5000
	4"	1/2"-13	0.020"	12,000	48-52-2220	48-52-1225
	5"	5/8"-11	0.020"	12,500	48-52-1700	48-52-1705
	6"	5/8"-11	0.020"	9,500	48-52-1715	48-52-1720
 <b>FULL CABLE TWIST KNOT WIRE WHEEL</b>	4"	5/8"-11	0.020"	12,000	48-52-5030	48-52-5020
	4"	1/2"-13	0.020"	12,000	48-52-1250	48-52-2225
	5"	5/8"-11	0.020"	12,500	48-52-1710	-
 <b>RADIAL CRIMPED WIRE WHEEL</b>	6"	5/8"-11	0.020"	9,500	48-52-1725	-
	4"	5/8"-11	0.014"	12,000	48-52-5070	-
 <b>KNOT WIRE WHEEL - FOR USE WITH STRAIGHT GRINDERS ONLY</b>	4"	1/2"-13	0.014"	12,000	48-52-1275	-
	3"	3/8"-1/2"	0.014"	25,000	48-52-2300	-
	5"	5/8"	0.014"	8,000	48-52-2310	-
	6"	1/2"-5/8"	0.014"	8,000	48-52-2510	-

## THREADED ADAPTERS

Part Number	Description
48-03-1005	5/8"-11 - M10 x 1.25
48-03-1010	5/8"-11 - M10 x 1.50

## HOOK AND LOOP FOAM PADS, BLENDED WOOL PADS, AND TWISTED, TUFTED WOOL PADS



49-48-0500



49-36-2175



49-36-0670



49-36-0600



49-36-2500

Diameter	Depth of Pile	Part Number	Description	Application
8"	2"	49-36-0650*	White Foam Polishing Pad	Removes swirls on clearcoat, gelcoat and most finishes. Produces medium to high gloss
8"	2"	49-36-1550*	Yellow Foam Compounding Pad	Compounding removes 1500-2000 sand scratches. Produces low to medium gloss
8"	2"	49-36-0670*	Red Foam Finishing Pad	Final finishing on clearcoat, gelcoat and most finishes. For applying waxes and polish/sealants, produces high gloss finish
7-1/2"	1-1/2"	49-36-0600*	Blended Wool Pad	For polishing clearcoat, gelcoat and most finishes. Produces medium gloss
7-1/2"	1-1/2"	49-36-0500**	Blended Wool Pad	For polishing clearcoat, gelcoat and most finishes. Produces medium gloss
9"	1-1/2"	49-36-0700**	Blended Wool Pad	For polishing clearcoat, gelcoat and most finishes. Produces medium gloss
7-1/2"	1-1/2"	49-36-1500*	Twisted, Tufted 100% Wool Pad	Deep cleaning and compounding removes 1200-1500 sand scratches on clearcoat, gelcoat and most finishes. Produces low gloss
7-1/2"	1-1/2"	49-36-1450**	Twisted, Tufted 100% Wool Pad	Deep cleaning and compounding removes 1200-1500 sand scratches on clearcoat, gelcoat and most finishes. Produces low gloss
7-1/2"	2"	49-36-1455**	Twisted, Tufted 100% Wool Pad	Deep cleaning and compounding removes 1200-1500 sand scratches on clearcoat, gelcoat and most finishes. Produces low gloss
9"	1-1/2"	49-36-1600**	Twisted, Tufted 100% Wool Pad	Deep cleaning and compounding removes 1200-1500 sand scratches on clearcoat, gelcoat and most finishes. Produces low gloss
7"	1-1/2"	48-48-0500**	Blended Wool Acrylic Pad (tie on)	For polishing clearcoat, gelcoat and most finishes. Produces medium gloss
9"	1-1/2"	48-48-1000**	Blended Wool Acrylic Pad (tie on)	For polishing clearcoat, gelcoat and most finishes. Produces medium gloss
6-1/4"	-	49-36-2175	Hook and Loop Molded Urethane Back Up Plate	Flexible molded urethane provides forgiving flexibility lowering risk of spot heating and finish burning (includes centering tool)
7"	-	49-36-2500	Molded Rubber Backing Pad	Specifically designed to bolt buffing/polishing pads onto 5460-6, 5540 and 5455 speed control polishers (nut and washer sold separately)
8-1/2"	-	49-36-2200	Molded Rubber Backing Pad	Specifically designed to bolt buffing/polishing pads onto 5460-6, 5540 and 5455 speed control polishers (nut and washer sold separately)
-	-	49-67-0130	Pad Centering Tool	

\*Hook and loop attachment, no disc nut needed

\*\*Traditional bolt-on and tie attachment, requires appropriate rubber backing pad (49-36-2500 or 49-36-2200)

## FLAP DISCS



TYPE 27



TYPE 27 EXTRA THICK



TYPE 29

Size	Arbor	Part Number	Abrasive Spec.	Grit Spec.	Applications	Max RPM	Case Qty
<b>TYPE 27</b>							
4-1/2"	7/8"	48-80-8100	Zirconia Alumina	36	Stock removal, deburring, blending welds, edge chamfering	13,300	5
4-1/2"	7/8"	48-80-8101	Zirconia Alumina	60	Surface preparation, cleaning and finishing	13,300	5
4-1/2"	7/8"	48-80-8102	Zirconia Alumina	80	Surface preparation, cleaning and finishing	13,300	5
4-1/2"	5/8"-11	48-80-8110	Zirconia Alumina	36	Stock removal, deburring, blending welds, edge chamfering	13,300	5
4-1/2"	5/8"-11	48-80-8111	Zirconia Alumina	60	Surface preparation, cleaning and finishing	13,300	5
4-1/2"	5/8"-11	48-80-8112	Zirconia Alumina	80	Surface preparation, cleaning and finishing	13,300	5
<b>TYPE 27 - EXTRA THICK</b>							
4-1/2"	7/8"	48-80-8200	Zirconia Alumina	36	Stock removal, deburring, blending welds, edge chamfering	13,000	5
4-1/2"	7/8"	48-80-8201	Zirconia Alumina	60	Surface preparation, cleaning and finishing	13,000	5
4-1/2"	7/8"	48-80-8202	Zirconia Alumina	80	Surface preparation, cleaning and finishing	13,000	5
<b>TYPE 29</b>							
4-1/2"	7/8"	48-80-8000	Zirconia Alumina	36	Stock removal, deburring, blending welds, edge chamfering	13,300	5
4-1/2"	7/8"	48-80-8001	Zirconia Alumina	60	Surface preparation, cleaning and finishing	13,300	5
4-1/2"	7/8"	48-80-8002	Zirconia Alumina	80	Surface preparation, cleaning and finishing	13,300	5
4-1/2"	5/8"-11	48-80-8010	Zirconia Alumina	36	Stock removal, deburring, blending welds, edge chamfering	13,300	5
4-1/2"	5/8"-11	48-80-8011	Zirconia Alumina	60	Surface preparation, cleaning and finishing	13,300	5
4-1/2"	5/8"-11	48-80-8012	Zirconia Alumina	80	Surface preparation, cleaning and finishing	13,300	5
5"	7/8"	48-80-8020	Zirconia Alumina	36	Stock removal, deburring, blending welds, edge chamfering	12,000	5
5"	7/8"	48-80-8021	Zirconia Alumina	60	Surface preparation, cleaning and finishing	12,000	5
5"	7/8"	48-80-8022	Zirconia Alumina	80	Surface preparation, cleaning and finishing	12,000	5
7"	7/8"	48-80-8030	Zirconia Alumina	36	Stock removal, deburring, blending welds, edge chamfering	8,600	5
7"	7/8"	48-80-8031	Zirconia Alumina	60	Surface preparation, cleaning and finishing	8,600	5
7"	7/8"	48-80-8032	Zirconia Alumina	80	Surface preparation, cleaning and finishing	8,600	5
7"	5/8"-11	48-80-8040	Zirconia Alumina	36	Stock removal, deburring, blending welds, edge chamfering	8,600	5
7"	5/8"-11	48-80-8041	Zirconia Alumina	60	Surface preparation, cleaning and finishing	8,600	5
7"	5/8"-11	48-80-8042	Zirconia Alumina	80	Surface preparation, cleaning and finishing	8,600	5

## TOOL BELTS AND STORAGE



Contractor Parts Organizer  
49-17-0110

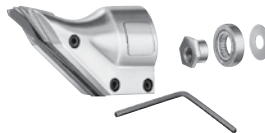


50 Pocket Bucket-Less Tool Organizer  
49-17-0180

## SHEAR AND NIBBLER ACCESSORIES

### SHEAR ACCESSORIES

Description	Part Number	For Use With
14 Gauge Shear Blade Set	48-44-0112	6815
16 and 18 Gauge Shear Blade Set	48-44-0122	6805
Shear Blade Set	48-44-0070	-
Center Blade	48-44-0150	6852-20
Left Blade	48-44-0160	6852-20
Right Blade	48-44-0170	6852-20



Replacement Swivel Shear  
Head Assembly  
48-08-0500

### NIBBLER ACCESSORIES

Description	Part Number	For Use With
Replacement Punch	48-44-0260	6890
Replacement Punch	48-44-0265	6880
Replacement Die	48-44-0270	6890
Replacement Die	48-44-0275	6880

## ACCESSORIES/HAND TOOLS/SERVICE PARTS - LIMITED LIFETIME WARRANTY

Every MILWAUKEE® accessory, hand tool and service part is warranted to the original purchaser only to be free from defects in material and workmanship. Subject to certain exceptions, MILWAUKEE® will issue credit for any accessory, hand tool or service part which, after examination, is determined by MILWAUKEE® to be defective in material or workmanship for the lifetime of the product. A MILWAUKEE® representative will inspect the defective item. A copy of the proof of purchase must be included with the credit request. This warranty does not apply to damage that MILWAUKEE® determines to be from misuse, alterations, abuse, normal wear and tear, lack of maintenance or accidents.

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