



Nothing but **HEAVY DUTY**.\*

## MILWAUKEE® KNOCKOUT SYSTEM

# THE EASIEST WAY TO PUNCH



**M18**

**FORCE LOGIC™**  
**10 Ton Knockout Tool**  
(2676-20)



**KNOCKOUT QUICK GUIDE**



Nothing but **HEAVY DUTY.**

## How to Knockout

1. Measure panel and mark box
2. Drill pilot holes
3. Set up tool and punches/dies
4. Tighten to panel, and align with pre-drawn crosshairs
5. Pump or power knockout tool
6. Unthread and remove material

## Milwaukee® Improves Every Step

1. **Measure panel and mark box**  
Crosshairs match dies. Milwaukee® tapes and Inkzall®.
2. **Drill pilot holes**  
Milwaukee® Step Drill Bit for cordless drill.
3. **Set up tool and punches/dies**  
Milwaukee®'s Quick Connect Alignment System delivers tool-free set-up.
4. **Tighten to panel, and align with pre-drawn crosshairs**  
EXACT™ crosshair alignment, and easy thread-on draw stud.
5. **Pump or power knockout tool**  
M18™ powered, or hand ratchet with improved leverage.
6. **Unthread and remove material**  
Slug removal ports and reliable splitting geometry for best in class reset times.



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# Hole Guide

RATCHET USE			DIES		PUNCHES		DRAW STUDS	
Conduit Size	Nominal Hole Size (in)	Nominal Hole Size (mm)	Milwaukee®	Description	Milwaukee®	Description	3/8" (7/16" Pilot Hole)	3/4" (7/8" Pilot Hole)
1/2"	0.885	22.5	49-16-2660	1/2" die	49-16-2661	1/2" punch	49-16-2621	–
3/4"	1.115	28.3	49-16-2662	3/4" die	49-16-2663	3/4" punch	–	49-16-2622
1"	1.362	34.6	49-16-2664	1" die	49-16-2665	1" punch	–	
1-1/4"	1.701	43.2	49-16-2666	1-1/4" die	49-16-2667	1-1/4" punch	–	
1-1/2"	1.951	49.6	49-16-2668	1-1/2" die	49-16-2669	1-1/2" punch	–	
2"	2.416	61.4	49-16-2670	2" die	49-16-2671	2" punch	–	

MILD STEEL CAPACITY = 10 GAUGE

BATTERY POWERED HYDRAULIC			DIES		PUNCHES		M18® KNOCKOUT TOOL DRAW STUDS		
Conduit Size	Nominal Hole Size (in)	Nominal Hole Size (mm)	Milwaukee®	Description	Milwaukee®	Description	7/16" (1/2" Pilot Hole)	3/4" (7/8" Pilot Hole)	1-1/8" (1-1/4" Pilot Hole)
1/2"	0.885	22.5	49-16-2660S	1/2" SS die	49-16-2661S	1/2" SS punch	49-16-2680	–	
3/4"	1.115	28.3	49-16-2662	3/4" die	49-16-2663	3/4" punch	–	49-16-2681	
1"	1.362	34.6	49-16-2664	1" die	49-16-2665	1" punch	–		
1-1/4"	1.701	43.2	49-16-2666	1-1/4" die	49-16-2667	1-1/4" punch	–		
1-1/2"	1.951	49.6	49-16-2668	1-1/2" die	49-16-2669	1-1/2" punch	–		
2"	2.416	61.4	49-16-2670	2" die	49-16-2671	2" punch	–		
2-1/2"	2.914	74.0	49-16-2672	2-1/2" die	49-16-2673	2-1/2" punch			49-16-2682
3"	3.539	89.9	49-16-2674	3" die	49-16-2675	3" punch			
3-1/2"	4.044	102.7	49-16-2676	3-1/2" die	49-16-2677	3-1/2" punch			
4"	4.544	115.4	49-16-2678	4" die	49-16-2679	4" punch			

MILD STEEL CAPACITY = 10 GAUGE

STAINLESS STEEL CAPACITY = 12 GAUGE

# Compatibility Charts

MILWAUKEE TOOL PLUS COMPETITIVE P&D'S					
Size	Greenlee Slug-Busters (1/2" – 2") and Standard (2-1/2" – 4")	Greenlee Slug Splitter Punches and Dies	Greenlee SPEED PUNCH™ Punches and Dies	Maxis Max Punch Pro Stainless Steel Punches and Dies	Maxis Max Punch
1/2" MS	YES, with small Greenlee spacer	–	YES, with small Greenlee spacer	–	YES
1/2" SS	–	YES, with small Greenlee spacer	–	YES, with small draw stud and small spacer	–
3/4"	YES	YES, with small Greenlee spacer	YES, with small Greenlee spacer	YES, with small spacer	YES
1"	YES	YES, with small Greenlee spacer	YES, with small Greenlee spacer	YES, with small spacer	YES
1-1/4"	YES	YES	YES, with small Greenlee spacer	YES, with small spacer	YES
1-1/2"	YES	YES	YES, with small Greenlee spacer	YES	YES
2"	YES	YES	YES, with small Greenlee spacer	YES	YES
2-1/2"	YES	YES	YES, with small Greenlee spacer	YES	YES
3"	YES	YES	YES, with small Greenlee spacer	YES	YES
3-1/2"	YES + METCO adaptor 49-16-2684	YES + METCO adaptor 49-16-2684	YES	YES	YES
4"	YES + METCO adaptor 49-16-2684	YES + METCO adaptor 49-16-2684	YES	YES	YES

\*\*COMPETITIVE PUNCHES MUST BE USED IN TRADITIONAL KNOCKOUT FORM. MILWAUKEE® QUICK CONNECT ALIGNMENT SYSTEM IS FOR USE WITH EXACT™ PUNCHES AND DIES

\*\*COMPETITIVE DRAW STUDS ARE RECOMMENDED FOR USE WITH COMPETITIVE PUNCHES AND DIES



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# Compatibility Charts

COMPETITIVE TOOL PLUS MILWAUKEE P&D'S				
Size	Greenlee LS50L Gator	Greenlee 767 Hand Pump Hydraulic	Greenlee Quick Draw 90 (7906SB)	Maxis Max Punch Pro
1/2" MS	YES	Yes	YES, WITH SMALLEST GREENLEE SPACER	-
1/2" SS	YES	-	-	YES
3/4"	YES	YES	YES	YES
1"	YES	YES	YES	YES
1-1/4"	YES	YES	YES	YES
1-1/2"	YES	YES	YES	YES
2"	YES	YES	YES	YES
2-1/2"	YES + METCO adaptor 49-16-2685	YES + METCO adaptor 49-16-2685	TOOL NOT RECOMMENDED FOR THIS RANGE	YES
3"	YES + METCO adaptor 49-16-2685	YES + METCO adaptor 49-16-2685		YES
3-1/2"	YES + METCO adaptor 49-16-2685	YES + METCO adaptor 49-16-2685		YES
4"	YES + METCO adaptor 49-16-2685	YES + METCO adaptor 49-16-2685		YES

\*\*\* USE MANUFACTURER SPECIFIC DRAWS STUDS WITH MILWAUKEE® PUNCHES AND DIES FOR COMPATIBILITY



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# Milwaukee® Knockout Tool System FAQs

## Do our punches/dies work with competitive knockout tools?

**YES**, verify that both the draw stud is the right size and that the correct adaptor is used where needed before punching, but Milwaukee® punches and dies can be sold as an upgrade set for people with other knockout tools.

## Can you use the Quick Connect alignment system with other tools?

**NO**, the front end is proprietary to Milwaukee® product and will not fit or function with competitive products.

## Why do punches 2" and larger not split?

Through testing it was found that splitting at 2" and higher was very inconsistent and would lead to more jams and more downtime than a three tooth design. With a three tooth design we deliver the most consistent slug removal and extend the life of a 3/4" draw stud for 2" punching.





## MILWAUKEE® KNOCKOUT SYSTEM

Each product within the Milwaukee® Knockout system was built on the principles of reducing the tedious steps of hole making, improving the speed of the process, and limiting the fatigue of the contractor.

The result is a group of tools and accessories that redefine accuracy, durability and productivity for the electrical contractor.

## EVERY STEP MADE FASTER AND EASIER

*Milwaukee*®

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