





## About Us

Midwest Tool began manufacturing metal cutting snips and related edge hand tools in Sturgis, Michigan in 1945. Today, Midwest is a privately held Michigan corporation that operates manufacturing facilities in Sturgis, MI; Kalkaska, MI; and Caledonia, OH.

In the beginning, Midwest Tool operated as a highest quality private label manufacturer of edge hand tools for many leading professional quality brands. Today, the company's national brand has become a leading tradesman brand both domestically and in many regions globally. All models of the company's aviation and tinner snips are manufactured by Midwest Tool in its USA facilities.

As a leading innovator and manufacturer of metal cutting snips and specialty hand tools, Midwest Tool has developed and owns numerous product design and utility patents that enhance Midwest Tool product performance.



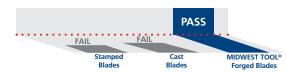
#### SETTING AND MEETING STANDARDS

A tradesman can make more cuts in a day than the home handyman makes in a lifetime – and Midwest Tool® are made for tradesmen. Our Aviation Snips have the center pivot bolt threaded into the bottom blade. This keeps the blades in adjustment longer – over 30,000 cuts can be made in 18 gauge cold-rolled steel (the ASME Performance Standard) before they may need readjustment. Most snips manufacturers don't bother with either standards or adjustment – but we do. Because, at Midwest Tool® we care about quality tools.

#### TIP END CUTTING TEST

Aviation snips must cut at the tips of their blades when used to fabricate or trim sheet metal to size (as illustrated in the picture below). Cutting completely through 18-gauge cold-rolled steel to a bend or fold line is an ASME Standard minimum requirement.

Aviation snip brands tested with cast or stamped blades will not cut through their points and will not cut to the specified material bend line. Cast and Stamped Blade aviation snip models tested FAIL this ASME Standard Performance Test Requirement.



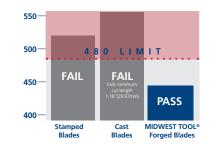
#### FORGED LIKE EXCALIBUR

Blacksmiths have known it since the Middle Ages – when you forge metal to "flow" its grain in a desired direction or shape, you get a stronger blade with a longer lasting cutting edge. A Midwest Tool® aviation snip uses the same principle. In a unique, hot drop-forging process, the flow of the metal grain is directed to the shape of each blade, which is forged from molybdenum alloy steel. The result is cutting blades that are virtually unbreakable. Other brands of snips may have"stamped" blades, made from sheet steel, or cast blades made in a mold from molten steel. In either instance, the metal does not have its grain flow matched to shape, and so it doesn't have the strength or long lasting cutting edge of a Midwest Tool® blade.

#### LOAD CUT TEST

Measures how many pounds of handle force is required to make a "pinch-thru-point" cut through 18 gauge cold-rolled sheet steel.

Cast or Stamped Blade offset model aviation snips require over 20% more hand force and FAIL the ASME Standard Performance Requirement.



#### INDEPENDENT LAB CERTIFIED TEST RESULTS



#### THIS SPRING'S ETERNAL

In tests of return springs, the springs of Midwest Tool® aviation snips on average exceed 120,000 compressions without failure. No wonder – they're a heavy-duty double-overwind spring that's unconditionally guaranteed forever.

#### SPRING COMPRESSIONS TEST

This test measures how many compressions (cuts) the return spring can make before failing (which ours never do).





SEAMERS ,

**KNIFTI S** 

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## The Right Tools Since 1945

Midwest Tool has been manufacturing tradesmen quality hand tools, Made in the USA, since 1945.

No matter what Midwest tool is in your belt, you can count on Midwest to provide the Fastest, Easiest, and Safest tools available.



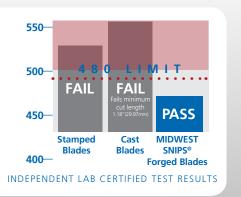
## THE WORLD'S BEST AVIATION SNIPS

If you care about the quality of the tools you use or sell, you'll appreciate a company that cares about the quality of the tools it makes. At Midwest Tool, we take pride in manufacturing in the USA the very best aviation snips you can buy anywhere in the world today. You'll find that our aviation snips perform better and last longer than any others.



LOAD CUT TEST Measures how many pounds of handle force is required to make a "pinch-thru-point" cut through 18 gauge cold-rolled sheet steel.

Cast or Stamped Blade offset model aviation snips require over 20% more hand force and FAIL the ASME Standard Performance Requirement.



## WHY MIDWEST?

### • Strongest Blades

Hot drop-forged process uses the grain structure of steel to produce maximum strength

### • Longest Lasting Cutting Edge

The hot drop-forged blades of molybdenum alloy steel are austemper heat-treated for a long lasting cutting edge

### Stays in Adjustment

Blade pivot bolt is threaded into the bottom blade keeping blades in adjustment for ease of operation

### • Optimum Serrations

Blades have 40 serrations per inch to grip material without scarring

## Highest Quality Components Grade 8 blade pivot bolt and heavy-duty double overwind spring are unconditionally guaranteed!

- Compound Leverage Multiplies handle force by 8:1
- Strongest Handles

High Tensile strength steel will not bend from hand pressure and provides efficient conversion of hand force to cutting power

• Comfortable Grips

Kush'N-Power grips confroms with the motion of the user's hands. The indented ribs prevent hand and finger slippage

### **SNIPS & TINNERS**



## OFFSET MODELS

## The Sheetmetal Tradesman's Choice



## GLIDE-TECH TOUGH

GLIDETECH® manufacturing process produces unequalled strength, longest lasting edge life, and the most precise cutting action.

Blades are hot drop-forged of molybdenum alloy steel for exceptional strength and durability

## KUSH'N-POWER

KUSH'N-POWER® compound leverage handle action with patented handle grip design multiplies handle force to cutting blades requiring the least amount of hand force while providing a soft, sturdy and comfortable grip.

## RUGGED

Using the highest quality components, Midwest Snips use a heavy duty doubleoverwind spring that is unconditionally guaranteed.

Grade 8 bolt that is threaded and affixed into the bottom blade keeping blades in precision adjustment.

# KUSH'N-POWER PATENT D718,6028 GRIPS

#### Full Sheets - Tight Curves - Trim Cuts

#### Left Offset Aviation Snip MWT-6510L

Use in Right Hand
Cuts straight and tight left curves
Length of Cut : 1.25"(31.8mm)
Nominal Length : 9.75" (247.7mm) UPC: 7 27226 13031 0



#### Right Offset Aviation Snip MWT-6510R

- Use in Left Hand
- Cuts straight and tight right curves
   Length of Cut : 1.25"(31.8mm)
   Nominal Length : 9.75"(247.7mm)



UPC: 7 27226 13032 7

#### Straight Offset Aviation Snip MWT-6510S

- Use in either Hand
- Cuts Straight &
- Wide left/right curves • Length of Cut : 1.5"(38.1mm)
- Nominal Length : 9.75" (247.7mm)
- UPC: 7 27226 13065 5





## FORGED BLADE OFFSET MODELS

Offset Models are versatile and easiest to use when cutting full sheets of material and tight curves. They cut a wide range of sheet materials including sheet metal, vinyl, plastic, rubber, screening, canvas, cloth, cardboard, etc.



Shelf Pk Qty. 6 Master Carton Qty. 36



The offset models keep your hands safely above sharp edges.



#### Full Sheets - Wide Curves - Trim Cuts



#### Shelf Pk Qty. 1 Master Carton Qty. 9

#### Left & Right Offset Aviation Snips MWT-6510C

Includes Left & Right offset models.
Cuts straight and tight left / right curves
Length of Cut : 1.25"(31.8mm)
Nominal Length : 9.75"(247.7mm)
UPC: 7 27226 13033 4





#### Shelf Pk Qty. 00 Master Carton Qty. 00

#### Left, Right & Straight Offset Aviation Snips MW-P6510RLS

Includes Left, Right, & Straight offset models.
Cuts left, right & straight and tight left/right

- curves • Length of Cut : 1.25"(31.8mm)
- Nominal Length : 9.75"(247.7mm)

UPC: 7 27226 56050 6





ASME, founded as the American Society of Mechanical Engineers in 1880, is a global non-profit organization.

- One of the primary functions of ASME is to set engineering standards for manufactured goods.
- ASME produces approximately 600 standards over a wide spectrum of industries.
- Midwest Tool<sup>®</sup> meets and exceeds every applicable ASME standard.
- Look for the **ASME** symbol next to our tools to know that the tool has met a standard and you are buying the very best.

If there is not a symbol next to the tool, there is not an ASME standard for that tool...but rest assured that Midwest manufactures all of our tools to our same high standards.





## STANDARD MODELS

## You'll feel the difference!

Midwest Snips® forged blade regular model aviation snips are the world's best! We offer four different blade pattern models and two blade hardness options in this product category. These models perform superior to ASME Standard B107.500.2010(B107.16) Performance Requirements.



## GLIDE-TECH TOUGH

GLIDETECH® manufacturing process produces unequalled strength, longest lasting edge life, and the most precise cutting action.

Blades are hot drop-forged of molybdenum alloy steel for exceptional strength and durability

## KUSH'N-POWER COMFORT

KUSH'N-POWER® compound leverage handle action with patented handle grip design multiplies handle force to cutting blades requiring the least amount of hand force while providing a soft, sturdy and comfortable grip.

## **RUGGED** RELIABILITY

Using the highest quality components, Midwest Snips use a heavy duty doubleoverwind spring that is unconditionally guaranteed.

Grade 8 bolt is threaded and affixed into the bottom blade keeping blades in precision adjustment.

#### **Trim Cuts - Curves**



#### Right Aviation Snip MWT-6716R

- Use in Left Hand
- Cuts straight and right curves
- Serrated blades
- Length of Cut : 1.25"(31.8mm) • Nominal Length : 10.0"(254.0mm) UPC: 7 27226 13067 9



#### Straight Aviation Snip MWT-6716S

- Use in Either Hand
- Cuts straight and wide curves to the Left and Right.
- Serrated blades

Length of Cut : 1.375"(34.9mm)
 Nominal Length : 10.0"(254.0mm)
 UPC: 7 27226 13068 6



### FORGED BLADE STANDARD MODELS

Standard Models are good for making short trim cuts and curve cuts on the outer edges of material. Standard Models are versatile and can be used to cut a wide range of sheet materials including metal, vinyl, plastic, rubber, screening, canvas, cloth, etc.





#### RUGGED RELIABILITY

Grade 8 bolt is threaded and affixed into the bottom blade keeping blades in precision adjustment.



Extremely Hard Materials - Stainless Steel, Inconel, Titanium

### SPECIAL HARDNESS FORGED BLADE MODELS

Special Hardness Models are recommended for cutting extremely hard sheet materials such as stainless steel, inconel, titanium, etc.

#### Shelf Pk Qty. 6 Master Carton Qty. 36

- **Special Hardness** Left Offset **Aviation Snip** MWT-SS6510L
- Use in Left Hand
- Use to cut hardened metals
- Cuts straight and right curves
- Length of Cut : 1.25"(31.8mm) • Nominal Length : 9.75"(247.7mm) UPC: 7 27226 13077 8



**Special Hardness Right Offset Aviation Snip** MWT-SS6510R

- Use in Right Hand
- Use to cut hardened metals
- Cuts straight and left curves
- Length of Cut : 1.25"(31.8mm) • Nominal Length : 9.75"(247.7mm) UPC: 7 27226 13078 5



#### Shelf Pk Otv. 6 Master Carton Otv. 36

#### **Special Hardness** Left Aviation Snip MWT-SS6716L

- Use in Right Hand
- Serrated Blades

22ga.

- Cuts Straight and Wide Left Curves.
- Cuts Hardened Metals • Length of Cut : 1.25"(31.8 mm)
- Nominal Length : 10.0"(254.0mm) UPC: 7 27226 13079 2



- Left Aviation Snip **MWT-SS6716R**
- Use in Left Hand
- Serrated Blades
- Cuts Straight and Wide Right Curves.
- Cuts Hardened Metals
- Length of Cut : 1.25"(31.8 mm)
- Nominal Length : 10.0"(254.0mm) UPC: 7 27226 13080 8



## **40% LESS FORCE**

**Thick Materials - Trim Cuts** 

The Bulldog Aviation Snip requires 40% less hand force to cut 18 gauge cold rolled steel when compared to other standard models.



Shelf Pk Otv. 6 Master Carton Otv. 36

#### **Bulldog Aviation Snip** MWT-6716B

- Use in Either Hand
- Cuts Straight.
- Serrated Blades.
- Thick Materials/ Lavered / Seams
- Length of Cut : .875"(22.0 mm) • Nominal Length : 9.0"(228.6mm)
- UPC: 7 27226 13036 5







## UPRIGHT **SNIPS**<sup>®</sup> **Ergonomic 90-degree** handle-to-blades design

Midwest Tool forged blade UPRIGHT® aviation snips are the world's best! We offer two models in this product category – a left and a right. These models were developed and design patented by Midwest Tool in response to NIOSH (National Institution of Occupational Safety and Health) research conducted by a major university ergonomics department and test data collected from representatives of the sheetmetal workers trade. UPRIGHT® aviation snips offer ergonomic advantages and are ideal for use in confined spaces, and overhead use.



## **GLIDE-TECH** TOUGH

GLIDETECH® manufacturing process produces unequalled strength, longest lasting edge life, and the most precise cutting action. Blades are hot drop-forged of molybdenum alloy steel for exceptional strength and durability

**UPRIGHT** COMFORT Requires Less Hand Force.

Ideal for use in confined spaces and overhead use.

## RUGGED RELIABILITY

Blade pivot bolt is affixed in bottom blade and secured with special locknut to hold blades in adjustment.



#### **Tight Spaces**

#### Shelf Pk Qty. 6 Master Carton Qty. 36

#### **UPRIGHT® Left Aviation Snip MWT-6900L**

- Use in Right Hand
- Cuts straight and tight left curves.
- Ideal for working in confined areas.
- Length of Cut : 1.25"(31.8mm)
- Nominal Length : 8.0"(203.2mm)
- UPC: 7 27226 13070 9





#### **UPRIGHT® Right Aviation Snip MWT-6900R**

- Use in Left Hand
- Cuts straight and tight right curves.
- Ideal for working in confined areas.
- Length of Cut : 1.25"(31.8mm)
- Nominal Length : 8.0"(203.2mm)
- UPC: 7 27226 13071 6









The Midwest Upright Design was so revolutionary, our competitors could not wait to copy them as fast as possible.

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## INDUSTRIAL SHEAR

## For precision fabrication

## NOPEUS MWT-NS1 Industrial Profile Shear

The Nopeus Industrial Profile Shear quickly & easily cuts profile, flat, spiral duct, wire mesh and other materials. It cuts up to 1,680 inches per hour. The scissor action blades can cut straight and tight left curves. The blades are manufactured out of high quality heat treated steel and precisely ground and aligned for maximum cutting speed. The variable speed action gives the user complete cutting control and accuracy.

#### INDUSTRIAL TOUGH Capacity to cut up to 18 gauge cold rolled stee

18 gauge cold rolled steel. Cuts sheet & profile material quickly.

HIGH POWERED COMFORT Veriable speed power unit

gives you control & comfort.

#### RUGGED RELIABILITY Constructed with high quality

steel.

Precisely ground & aligned blades



## NOPEUS MWT-NS1 Industrial Profile Shear



#### Nopeus Profile Shear MWT-NS1

The Nopeus Industrial Profile Shear quickly and easily cuts profile material, spiral duct, wire mesh, and other material cleanly without a second pass. The scissor action blades cut straight and tight left curves. Cutting capacity up to 18 gauge cold rolled steel. The blades are manufactured out of heat-treated steel and precisely ground and aligned for maximum cutting speed. The Nopeus Industrial Profile Shear has a variable speed power unit allowing it to cut up to 1,680 in. per hour UPC: 7 27226 13138 6



HIGH POWER Do you want to make A LOT of long cuts? This is the tool for you!



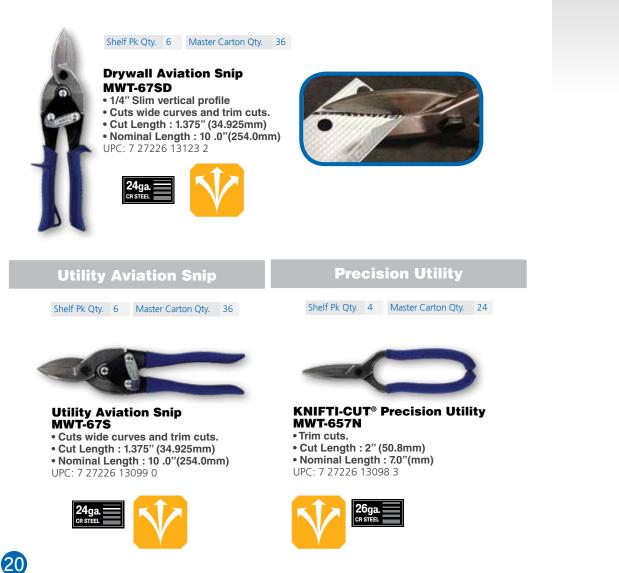
**SNIPS & TINNERS** 

MILLAR STITE



## **SPECIALTY SNIPS**

#### Drywall Corner Bead



## KUSH'N-KOTE° TINNER SNIPS



Midwest Tinner Others with wave fitted with special washer locknut



## **ALL PURPOSE** MODELS

## **Traditional Blade Patterns**

All-Purpose Models of Midwest Tool Kush'n-Kote® forged blade tinner snips are the world's best! We offer two different blade patterns and four different model sizes in this product category. All perform superior to respective model ASME performance requirements.



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## GLIDE-TECH®

GLIDETECH<sup>®</sup> manufacturing process produces unequalled strength, longest lasting edge life, and the most precise cutting action. Blades are hot drop-forged of molybdenum alloy steel for exceptional strength and durability and Austemper heat treated to best accept and hold their precision around cutting edge. Glide-Tech<sup>®</sup> Forged Blades cut complete from "pinch of the blades through their point".

### **KUSH'N-KOTE®** COMFORT

KUSH'N-KOTE<sup>®</sup> soft textured plastisol, which provide a comfortable secure grip.

## RUGGED RELIABILITY

Grade8 bolt that is threaded and affixed into the bottom blade keeping blades in precision adjustment.

Special design locknut allows blades to be re-adjusted if necessary after extensive use



### STRAIGHT BLADE **PATTERN MODELS**

• Cuts straight and tight curves. · Hot drop-forged of high carbon steel.

## **Straight & Wide Curves Straight & Tight Curves** Shelf Pk Qty. 6 Master Carton Qty. 36 8-Inch Straight Tinner Snip **MWT-87S** UPC: 7 27226 13059 4 **10-Inch Straight Tinner Snip MWT-107S** UPC: 7 27226 13061 7



### "DUCKBILL" (CIRCULAR) **BLADE PATTERN MODELS**

· Cuts straight and tight curves. • Hot drop-forged of high carbon steel.



 Nominal Length : 12.0" (0mm) UPC: 7 27226 13062 4



## HEAVY-DUTY MODELS

## **Molybdenum Alloy Blades**

Heavy-Duty Models of Midwest Tool's Kush'n-Kote® forged blade tinner snips are the world's best! We offer two blade patterns and three models in this product category. These models cut heavier gauges of sheet metal than any other tinner type snips. All are made in the USA and perform superior to respective model ASME performance requirements.



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## MIDWEST TOUGH

Precision cuts completely thru blade tip end, which reduces cutting strokes and enables complete and accurate cuts of heavy gauge materials.

## KUSH'N KOTE® COMFORT

KUSH'N-KOTE<sup>®</sup> soft textured plastisol, which provide a comfortable secure grip

## RUGGED RELIABILITY

Blade pivot bolt is affixed in bottom blade and secured with special locknut to hold blades in adjustment. Can be re-adjusted after extensive use if necessary.



# Hot drop-forged Combination blade pattern Cuts straight and wide curves Use in either hand

Shelf Pk Qty. 1 Master Carton Qty. 16



14-Inch Combination Blade Pattern Tinner Snip MWT-147C • Cut Length : 3.875" (98.425 mm)

• Cut Length : 3.875" (98.425 mm UPC: 7 27226 13100 3



### LATH SNIP MODEL

Hot drop-forged
Cuts straight and wide curves
Designed for cutting lath materials
Bent handles for increased leverage

Shelf Pk Qty. 1 Master Carton Qty. 16



#### 14-Inch Lath Tinner Snip MW-P147CBT

• Cut Length : 3.875" (98.425 mm) • Nominal Length : 14.0" (355.6 mm) UPC: 7 27226 21477 5



### BULLDOG BLADE PATTERN MODEL

• Hot drop-forged • Cuts straight and wide curves • Use in either hand



Shelf Pk Qty. 1 Master Carton Qty. 14

16-Inch Bulldog Blade Pattern Tinner Snip MWT-167B • Cut Length: 2.5" (63.5 mm) UPC: 7 27226 13064 8





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## **MAGSNIPS**<sup>®</sup> Versatility

Use in a wide range of sheet materials including vinyl or metal siding, metal flashing, asphalt shingles, landscape materials, canvas, etc. Replaceable blades are economical and easy to replace. Light weight magnesium handles reduce fatigue. Offset blade pattern models are tradesman preferred because they flow material away from the blades making long cuts easier.



## MAGSNIPS® TOUGH

Use in a wide range of sheet materials including vinyl or metal siding, metal flashing, asphalt shingles, landscape materials, canvas, etc.

## MAGNESIUM COMFORT

Light weight magnesium handles reduce fatigue.

## REPLACEABLE An economical and easy way to extend tool life.

**OPTIMIZED POWER RANGE** 

#### **Straight & Wide Curves**

## STRAIGHT MODELS

• Cuts straight and wide curves. • Use in either hand. • 3-1/2"(89mm) length of cut and replaceable blades.

#### Shelf Pk Otv. 3 Master Carton Otv. 18







### **Straight & Tight Curves**

### **OFFSET MODELS**

· Cuts straight and tight curves Both models ship with vinyl siding blades. • 2-3/4"(70mm) length of cut and replaceable blades.

#### Shelf Pk Qty. 3 Master Carton Qty. 18

#### **Offset Left Replaceable** Blade Snip -MWT-2210

- Cuts to the Left • Use in the right hand
- Vinyl siding blades
- Cut Length : 2.75" (70mm) UPC: 7 27226 13045 7



#### **Offset Right Replaceable** Blade Snip -MWT-2110

• Cuts to the Right • Use in the left hand Vinyl siding blades • Cut Length : 2.75" (70mm) UPC: 7 27226 13044 0



#### **Replaceable Blade Kits**

All purpose blades are optimized for cutting sheet metal. Vinyl siding blades are optimized for cutting vinyl siding.

#### Shelf Pk Qty. 2 Master Carton Qty. 12



All Purpose MWT-1200R UPC: 7 27226 13043 3 MWT-2210R UPC: 7 27226 13046 4 MWT-2110R UPC: 7 27226 13104 1

Vinyl Siding

MWT-1200RV UPC: 7 27226 13124 9 MWT-2210RV UPC: 7 27226 13126 3 MWT-2110RV UPC: 7 27226 13125 6



## **POWER CUTTERS®**

A better way to cut thin & irregular materials

Midwest Tool forged blade Power Cutter® long-cut aviation snips are the world's best!

We offer 3 different models in this product category. All feature an extended length of cut and a wide blade opening. The extended cut length allows the user to cut thin materials faster with fewer re-bites.

Our forged blade Power Cutter<sup>®</sup> models are of tradesman quality and perform far superior to other manufacturers' stamped blade models.



## FORGED TOUGH

Our forged blade Power Cutter<sup>®</sup> models are of tradesman quality and perform far superior to other manufacturers' stamped blade models.

## KUSH'N-POWER®

Extra Long Cut "Pinch-Thru-Point" Reduces cutting strokes and re-bites.

Ergonomic Handle Width Opening Reduces muscles stress.

### **RUGGED** RELIABILITY

Grade 8 bolt that is threaded and affixed into the bottom blade keeping blades in precision adjustment.



#### Thin, Soft & Irregular Materials

### FORGED BLADE POWER CUTTER® MODELS

#### Shelf Pk Qty. 6 Master Carton Qty. 36

#### Power Cutter® Long-Cut Aviation Snip MWT-6716A

Optimum 40 serrations per inch to both blades for secure grip of thin gauge metal and other sheet materials.

- Cuts Straight
  Use in either hand
- Cut Length : 3.0" (76.2mm)
- Nominal Length : 12.0" (304.8 mm)
- UPC: 7 27226 13035 8





#### Power Cutter® Deep Serration Long-Cut Aviation Snip MWT-6716AS

Wide blade opening with six deep serrations per inch to bottom blade for secure grip of soft materials such as rubber, plastic hose, etc. Not recommended for sheet metal.

- Cuts Straight
- Use in either hand
- Cut Length : 3.0" (76.2mm)
  Nominal Length : 12.0" (304.8 mm)
- UPC: 7 27226 13048 8

#### Shelf Pk Qty. 3 Master Carton Qty. 18

#### Power Cutter® Offset Long-Cut Aviation Snip MWT-6516

Wide blade opening and optimum 40 serrations per inch to bottom blade for secure grip of irregular surface materials such as ribbed metal roofing and siding, vinyl siding nail lip, etc. • Cuts Straight

- Use in either hand
- Cut Length : 2.375" (60.325 mm)
- Nominal Length : 11.0" (279.4 mm)

UPC: 7 27226 13034 1











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	Model Number	UPC Code 7-27226	Shelf Pack Qty.	Master Carton Qty.	Blade Pattern	Nominal Length	Length of Cut	CUTTING C Cold-Roll	APACITY Stainless
	MWT-6510S	13065-5	6	36	straight	9.75" (247.7mm)	1.5" (38.1mm)	18 gauge	22 gauge
Offset Model	MWT-6510L	13031-0	6	36	left	9.75" (247.7mm)	1.25" (31.8mm)	18 gauge	22 gauge
Aviation Snips	MWT-6510R	13031-7	6	36	right	9.75" (247.7mm)	1.25" (31.8mm)	18 gauge	22 gauge
	MWT-6510C	13033-4	3	18	left	9.75" (247.7mm)	1.25" (31.8mm)		22 gauge
	MW-6510RLS	56050-6	1	10	R,L,S	9.75" (247.7mm)	1.25" (31.8mm)		22 gauge
	MWT-SS6510L	13077-8	6	36	right	9.75" (247.7mm)	1.25" (31.8mm)		22 gauge
	MWT-SS6510R	13087-5	6	36	left	9.75" (247.7mm)	1.25" (31.8mm)		
•••••	• • • • • • • • • • • •	•••••	• • • • •	•••••	••••	•••••		• • • • • • • • •	•••••
	MWT-6716S	13068-6	6	36	straight	10.0" (254.0mm)	1.375" (34.9mm)	18 gauge	22 gauge
	MWT-6716L	13066-2	6	36	left	10.0" (254.0mm)	1.25" (31.8mm)	18 gauge	22 gauge
Regular Model	MWT-6716R	13067-9	6	36	right	10.0" (254.0mm)	1.25" (31.8mm)	18 gauge	22 gauge
Aviation Snips	MWT-6716B	13036-5	6	36	bulldog	9.0" (228.6mm)	.875" (22mm)	16 gauge	18 gauge
	MWT-SS6716L	13079-2	6	36	left	10.0" (254.0mm)	1.25" (31.8mm)		22 gauge
	MWT-SS6716R	13080-8	6	36	right	10.0" (254.0mm)	1.25" (31.8mm)		22 gauge
•••••		•••••	••••	•••••	••••	•••••		•••••	•••••
Upright <sup>®</sup> Model Aviation Snips	MWT-6900L	69001-2	6	36	left	8.0" (203.2mm)	1.25" (31.8mm)	24 gauge	28 gauge
Aviation Ships	MWT-6900R	69002-9	6	36	right	8.0" (203.2mm)	1.25" (31.8mm)	24 gauge	28 gauge
	MWT-67S	13099-0	6	36	left	10.0" (254.0mm)	1.375" (34.9mm)	24 gauge	28 gauge
Specialty Snips	MWT-67SD	13123-2	6	36	right	9.75" (247.7mm)	1.25" (31.8mm)	18 gauge	22 gauge
Specially Ships	MWT-657N	13098-3	3	36	left	9.75" (247.7mm)	1.25" (31.8mm)		22 gauge
	MWT-127SV	13047-1	3	36	Straight	9.75" (247.7mm)	1.25" (31.8mm)		22 gauge
•••••	• • • • • • • • • • •	•••••	••••	• • • • • •		•••••		• • • • • • • •	• • • • • • • • • •
	MWT-6716A	13035-8	6	36	long deep	12.0" (304.8mm)	3.0" (76.2mm)	20 gauge	24 gauge
Powercutters	MWT-6716AS	13048-8	6	36	deep serrated long	11.0" (279.4mm)	3.0" (76.2mm)	Soft Materials	Soft Materials
	MWT-6516	13034-1	6	36	offset long	10.5" (266.7mm)	2.375" (60.5mm)	20 gauge	24 gauge
•••••	MWT-87D	13032-7	6	36	straight	8.0" (203.2mm)	1.75" (44.45mm)	20 gauge	28 gauge
Straight	MWT-107S	13061-7	6	36	straight	10.0" (254.0mm)	2.5" (63.5mm)	22 gauge	26 gauge
Tinner Models	MWT-127S	13063-1	6	36	straight	12.0" (301.8mm)	3.0" (76.2mm)	20 gauge	24 gauge
•••••					••••••	•••••		•••••••	••••••
	MWT-77D	13078-5	6	36	right	7.0" (203.2mm)	1.75" (44.45mm)	26 gauge	28 gauge
Straight Tinner Models	MWT-107D	13060-0	6	36	left	10.0" (254.0mm)	2.5" (63.5mm)	24 gauge	26 gauge
Timer models	MWT-127D	13063-1	6	36	straight	12.0" (301.8mm)	3.0" (76.2mm)	22 gauge	24 gauge
Combo Diodo Madal		••••	••••			•••••		• • • • • • • •	•••••
Combo Blade Model	MWT-147C	13100-3	1	16	straight	14.0" (355.6mm)	3.875" (98.43mm)	18 gauge	28 gauge
Lath Snip	MW-P147CBT	21477-5	1	16	straight	14.0" (355.6mm)	3.875" (98.43mm)	18 gauge	22 gauge
Nopeus Shear	MW-NS1	13138-6	1	n/a					

	Model Number	UPC Code 7-27226	Shelf Pack Qty.	Master Carton Qty.	Blade Pattern	Nominal Length	Length of Cut	CUTTING C Cold-Roll	APACITY Stainless
Bulldog Tinner	MWT-167B	1-0	1	16	straight	16.0" (406.4mm)	1.5" (38.1mm)	18 gauge	22 gauge
•••••	MWT-1200SV	13127-0	3	18	left	13.0" (330.2mm)	1.25" (31.8mm)	18 gauge	22 gauge
MagSnip Models	MWT-1200	13042-6	3	18	right	13.0" (330.2mm)	1.25" (31.8mm)	18 gauge	22 gauge
Magorip Models	MWT-2210	13045-7	3	18	left	13.0" (330.2mm)	1.25" (31.8mm)		22 gauge
	MWT-2110	13044-0	3	18	right	13.0" (330.2mm)	1.25" (31.8mm)		22 gauge
•••••	MWT-1200R	13043-3	2	12	straight	10.0" (254.0mm)	3.5" (88.9mm)	18 gauge	22 gauge
	MWT-2210R	13046-4	2	12	left	10.0" (254.0mm)	2.75" (69.9mm)	18 gauge	22 gauge
MagSnip	MWT-2110R	13104-1	2	12	right	10.0" (254.0mm)	2.75" (69.9mm)	18 gauge	22 gauge
Blade Kits	MWT-1200RV	13124-9	2	12	straight	9.0" (228.6mm)	3.5" (88.9mm)	16 gauge	18 gauge
	MWT-2210RV	13126-3	2	12	left	10.0" (254.0mm)	2.75" (69.9mm)	18 gauge	22 gauge
	MWT-2110RV	13125-6	2	12	right	9.0" (228.6mm)	2.75" (69.9mm)	16 gauge	18 gauge

#### **SEAMERS & FOLDING TOOLS**

Tools for Fabrication, Installation, Maintenance & Repair SEAMERS & FOLDING TOOLS

MIDMEST

#### **SEAMERS & FOLDING TOOLS**



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## INTERCHANGEABLE FORGED BLADE SEAMERS **Compound Leverage** Handle Action

Midwest Tool® interchangeable blade seamers are tradesman quality. These interchangeable blade kits offer both distributors and end-users an economical alternative to carrying multiple seamer models.



### INTERCHANGEABLE BLADES

• Quick Change - Over

#### CHOOSE FROM **TWO BLADE SIZES** • Forged Blades : 3" & 6"

#### **HEAVY-DUTY COMPONETS**

- Forged Bracket Supports Blades
- Compound Leverage Action Handles
- Kush'N-Power® Grips



#### **Bending & Folding Tools**

### INTERCHANGEABLE BLADE SEAMERS







**Offset Seamer** 

UPC: 7 27226 13072 3	Master Carton	Qty.	12	
3"(76.2mm) x 1-1/4"(31.8mm) blades with 1-7/16"(36.5mm) throat depth.	Shelf Pk Qty.	2		
3-Inch Straight Seamer - MW I-S1				

#### 6-Inch Straight Seamer - MWT-S6 6"(152.4mm) x 1-1/4"(31.8mm) blades with 1-7/16"(36.5mm) throat depth. UPC: 7 27226 13075 4

3"(76.2mm) x 1-1/4"(31.8mm) blades with 1-7/16"(36.5mm) throat depth.

Shelf Pk Qty. 2 Master Carton Qty. 10

#### 3-Inch & 6-Inch Straight Seamer Set - MWT-S36 Includes 3-inch seamer and 6-inch interchangeable blades. UPC: 7 27226 13074 7

Shelf Pk Qty. 2

Master Carton Qty. 8

Shelf Pk Qty. 2 Master Carton Qty. 12

6-Inch Offset Seamer - MWT-SO6 Shelf Pk Qty. 2 6"(152.4mm) x 1-1/4"(31.8mm) blades with 1-7/16"(36.5mm) throat depth. UPC: 7 27226 13105 8 Master Carton Qty. 10

#### 3-Inch & 6-Inch Offset Seamer - MW-SO36 6"(152.4mm) x 1-1/4"(31.8mm) blades with 1-7/16"(36.5mm) throat depth. UPC: 7 27226 56057 5

Shelf Pk Qty. 2 Master Carton Qty. 10

## FORGED BLADE SEAMER KITS



3-Inch Offset Seamer - MWT-S2

UPC: 7 27226 13073 0

Shelf Pk Qty. 2 Master Carton Qty. 12

3-Inch Seamer Blade Kit - MW-S1BK UPC: 7 27226 13113 3

6-Inch Seamer Blade Kit - MW-S6BK UPC: 7 27226 13116 4





## **INTERCHANGEABLE ALUMINUM BLADE** SEAMERS

## Compound Leverage Handle Action

Midwest Tool® interchangeable blade seamers are tradesman quality. These interchangeable blade kits offer both distributors and end-users an economical alternative to carrying multiple seamer models



### **INTERCHANGEABLE** BLADES

Quick Change - Over

#### **CHOOSE FROM** THREE BLADE SIZES • Aluminum Blades : 5", 9" & 15"

**HEAVY-DUTY** COMPONETS

 Forged Bracket Supports Blades Compound Leverage Action Handles • Kush'N-Power® Grips





5-Inch Straight Seamer - MWT-S5 UPC: 7 27226 13107 2 5"(127.0mm) x 2"(50.8mm) blades with 2-1/4"(57.2mm) throat depth.

Shelf Pk Qty. 2 Master Carton Qty. 10

9-Inch Straight Seamer - MWT-S9 UPC: 7 27226 13055 6 9"(228.6mm) x 2"(50.8mm) blades with 2-1/4"(57.2mm) throat depth

Shelf Pk Qty. 2 Master Carton Qty. 6

5 & 9-Inch Seamer Set - MW-S59 UPC: 7 27226 13195 9

Shelf Pk Qty. 2 Master Carton Qty. 8

15-Inch Straight Seamer - MWT-S15 UPC: 7 27226 13111 9 15"(381mm) x 2"(50.8mm) blades with 2-1/4"(57.2mm) throat depth.

Shelf Pk Qty. 1 Master Carton Qty. 2

### **OFFSET ALUMINUM BLADE SEAMER MODELS**

STRAIGHT ALUMINUM BLADE SEAMER MODELS These models feature extruded aluminum blades and are most often used by siding and roofing installers

These models feature an offset design for additional leverage and extruded aluminum blades.



5-Inch Offset Seamer - MWT-SO5 UPC: 7 27226 13109 6 5"(127.0mm) x 2"(50.8mm) blades with 2-1/4"(57.2mm) throat depth. Shelf Pk Qty. 2 Master Carton Qty. 10

9-Inch Offset Seamer - MWT-SO9 UPC: 7 27226 13056 3 9"(228.6mm) x 2"(50.8mm) blades with 2-1/4"(57.2mm) throat depth. Shelf Pk Qty. 2 Master Carton Qty. 6

5-Inch & 9-Inch Offset Seamer - MW-SO59 Includes 5-Inch Seamer and 9-Inch Seamer UPC: 7 27226 56058 2

15-Inch Offset Seamer - MWT-SO15 UPC: 7 27226 13112 6 15"(381mm) x 2"(50.8mm) blades with 2-1/4"(57.2mm) throat depth. Shelf Pk Qty. 1 Master Carton Qty. 2

### **ALUMINUM SEAMER BLADE KITS**

Interchangeable blade kits include set of two blades, replacement fasteners, and hex key.



Shelf Pk Qty. 2 Master Carton Qty. 12

5-Inch Seamer Blade Kit - MW-S5BK UPC: 7 27226 13115 7 5"(127.0mm) x 2"(50.8mm) blades

9-Inch Seamer Blade Kit - MW-S9BK UPC: 7 27226 13119 5 9"(228.6mm) x 2"(50.8mm) blades

15-Inch Seamer Blade Kit - MW-S15BK UPC: 7 27226 56070 15"(381mm) x 2"(50.8mm) blades



## BRAKE & FOLDING TOOLS

## For precision fabrication

Heavy-duty stainless steel adjustable hand brake with brass adjustment screws and sight guide. Makes quick and accurate bends in aluminum, steel, copper, and galvanized steel. Convenient 6-inch pocket size is great for forming the "bird box" at the end of soffits and is also used to bend siding trim, fascia, etc.

Folding tools made of tempered 16 gauge steel are strong and double-sided. Makes 1" (25mm) and 3/8" (10mm) wide folds commonly used in Roofing/Siding to form drive cleat tabs, wide folds on plenums, trunk line caps, etc. Sight gauge holes ensure accurate depth alignment.



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### CHOOSE PRESET OR ADJUSTABLE

Use ajustable brake or preset folding tool depths.

**SIGHT GAUGES** Featured on all models for proper alignment.

#### HEAVY-DUTY CONSTRUCTION

Stainless steel brake and folding tools of 16 gauge.







#### Hand Brake

6-Inch Hand Brake MW-6HB Stainless steel with lined sight gauge and brass depth adjustment screws. UPC: 7 27226 50016 8

#### Folding Tools

#### Midwest Tool Folding Tools

Made of 16 gauge tempered steel. Double sided throat depth presets. Use one side for 1"(25.4mm) or the opposite side for 3/8"(9.53mm). Sight gauges on both sides. Availible in 12", 18" & 24" sizes.



Shelf Pk Qty. 6 Master Carton Qty. 36

**12-Inch Folding Tool - MWT-F1** UPC: 7 27226 13090 7



Shelf Pk Qty. 4 Master Carton Qty. 16

**18-Inch Folding Tool - MWT-F2** UPC: 7 27226 13091 4



Shelf Pk Qty. 4 Master Carton Qty. 16

**24-Inch Folding Tool - MWT-F3** UPC: 7 27226 13092 1

#### **SEAMERS & FOLDING TOOLS**



## FORGED SEAMER TONGS

## **Strongest of all Seamers**

Our hot drop-forged seamer tong models are of traditional design. They are the strongest and most durable of our bending and folding tool offerings. Throat depth graduations are forged into the jaws in 1/4"(6.4mm) increments for user accuracy. Kush'n-Kote® handle grips provide a secure grip and comfort the user's hand.

### SIGHT GAUGES

Featured on all models for proper alignment.

## KUSH'N-KOTE® COMFORT GRIPS

Comfort the User's hand.

Bending	& F	olding	
20.00			

### **FORGED SEAMER TONGS**



#### Shelf Pk Qty. 2 Master Carton Qty. 12

#### 3-Inch Straight Seamer Tong MWT-ST1

Use straight handle seamer tong to bend or form sheet metal and other pliable sheet materials. 1-1/4"(31.8mm) throat depth with 1/4"(6.4mm) depth graduations. UPC: 7 27226 13081 5



Shelf Pk Qty. 2 Master Carton Qty. 12

#### 3-Inch Offset Seamer Tong MWT-ST2

Use offset handle seamer tong for additional leverage to bend or form sheet metal and other pliable sheet materials. 1-1/4" (31.8mm) throat depth with 1/4"(6.4mm) depth graduations. UPC: 7 27226 13082 2

		UPC Code		Master Cartor					CAF	PACIT	Y
	Model No.	7-27226			Туре	Blade Length	Throat Depth	SS Steel		Aluminum	
Forged	MW-ST1	13181-2	2	12	straight	3"(76.2mm)	1-1/4"(31.8mm)	24 ga.	22 ga.	20 ga.	22 ga.
Seamer Tongs	MW-ST2	13182-9	2	12	offset	3"(76.2mm)	1-1/4"(31.8mm)	24 ga.	22 ga.	20 ga.	22 ga.
•••••	• • • • • • • • •	• • • • • •	••••	••••	• • • • • •	•••••	•••••	• • • • •	• • • •	••••	• • • • • • • • • • • • • •
	MW-S1	13196-6	2	12	straight	3"(76.2mm)	1-1/4"(31.8mm)	24 ga.	22 ga.	20 ga.	22 ga.
	MW-S2	13194-2	2	12	offset	3"(76.2mm)	1-1/4"(31.8mm)	24 ga.	22 ga.	20 ga.	22 ga.
Interchangeable Blade Seamers	MWT-S5	13197-3	2	10	straight	5"(127.0mm)	2"(50.8mm)		22 ga.	22 ga.	22 ga.
	MWT-SO5	56055-1	2	10	offset	5"(127.0mm)	2"(50.8mm)		22 ga.	22 ga.	22 ga.
	MW-S6	13113-3	2	12	straight	6"(152.4mm)	1-1/4"(31.8mm)	24 ga.	22 ga.	20 ga.	22 ga.
	MW-SO6	13116-4	2	12	offset	6"(152.4mm)	1-1/4"(31.8mm)	24 ga.	22 ga.	20 ga.	22 ga.
	MWT-S9	13194-2	2	8	straight	9"(228.6mm)	2"(50.8mm)		28 ga.	22 ga.	22 ga.
	MWT-SO9	56057-5	2	6	offset	9"(228.6mm)	2"(50.8mm)		28 ga.	22 ga.	22 ga.
•••••	• • • • • • • • •	• • • • • •	••••	••••	• • • • • •	•••••	• • • • • • • • • • • • • • •	• • • • •	• • • • •	••••	•••••
Hand Brake	MWT-6HB	13194-2	2	18	adjustable	6"(152.4mm)	1"(25.4mm)	28 ga.	22 ga.	20 ga.	20 ga.
•••••	• • • • • • • • •	• • • • • •	• • • •	••••	• • • • • •	•••••	•••••	• • • • •	• • • •	••••	•••••
	MWT-F1	13151-5	6	36	2-sided	12"(304.8mm)	3/8"(9.55mm)/1"(25.4mm)	28 ga.	24 ga.	22 ga.	22 ga.
Folding Tools	MWT-F2	13152-2	4	24	2-sided	18"(457.2mm)	3/8"(9.55mm)/1"(25.4mm)	28 ga.	24 ga.	22 ga.	22 ga.
	MWT-F3	13150-8	4	16	2-sided	24"(609.6mm)	3/8"(9.55mm)/1"(25.4mm)	28 ga.	24 ga.	22 ga.	22 ga.
•••••	•••••	• • • • • •	• • • •	• • • • •	• • • • • •	•••••	• • • • • • • • • • • • • •	••••	••••	• • • • •	•••••
	MWT-S1BK	13113-3	2	12	forged	3"(76.2mm)	Kits include: **				
Seamer	MWT-S5BK	13115-7	2	12	aluminum	5"(127.0mm)	2 blades     fasteners				
Blade Kits	MWT-S6BK	13116-4	2	12	forged	6"(152.4mm)	hex key [blades fit all				
	MWT-S9BK	13119-5	2	12	aluminum	9"(228.6mm)	model seamers]				
•••••	•••••	• • • • • •	••••	••••	••••	•••••	•••••	• • • • •	• • • • •	••••	•••••
	MWT-S36	13194-2	2	8	forged	Includes: MW-S6 (6"	Seamer) & MW-S1BK (3" in	terchange	able blade	es w/ hex k	ey)

 Seamer Sets
 MW-S036
 56057-5
 2
 8
 aluminum
 Includes: MW-S06 (6" Offset Seamer) & MW-S1BK (3" interchangeable blades w/ hex key)

 MWT-S05
 13195-9
 2
 8
 forged
 Includes: MW-S09 (9" Seamer) & MW-S5BK (5" interchangeable blades w/ hex key)

 MW-S059
 56058-2
 2
 8
 aluminum
 Includes: MW-S09 (9" Offset Seamer) & MW-S5BK (3" interchangeable blades w/ hex key)

16 ga. = 0.060"(1.52mm) | 18 ga. = 0.048"(1.22mm) | 20 ga. = 0.036"(0.91mm) | 22 ga. = 0.030"(0.76mm) | 24 ga. = 0.24"(0.61mm) | 26 ga. = 0.018"(0.46mm) | 28 ga. = 0.015"(0.38mm)







## Specialty Tools for Fabrication, Installation, Maintenance & Repair HVAC SPECIALITY TOOLS

#### FEEL THE DIFFERENCE!

Midwest Tool<sup>®</sup> sheet metal duct specialty tool offerings include models designed by sheet metal tradesmen. We take pride in our relationship with the sheet metal worker and are proud to manufacture and offer to them the snips and specialty hand tools that meet their needs.



### COMPOUND LEVERAGE SHEET METAL DUCT TOOL MODELS

Shelf Pk Qty. 3 Master Carton Qty. 18





#### Snap Lock Punch MWT-L1

Punches 3/8"(9.5mm) snaplock tab to join two sheet metal sides together. (Lock rolled edge side into tabbed side.) Precision CNC milled cutting head with 1/4"(6.35mm) throat depth. Made in USA. UPC: 7 27226 13093 8





Creates 2 finished edges with 1 cut removing 3/16" (4.8mm) width of material from center of cut with maximum 1-1/4"(31.7mm) length of cut per stroke. Made in USA. UPC: 7 27226 13084 6





31-Degree Notcher MWT-N1

Cuts 31-degree V-notch to form connector tabs. Precision CNC milled cutting jaw with 1-3/16"(30.2mm) throat depth. Made in USA. UPC: 7 27226 13085 3





5-Blade Crimper MWT-C5

Crimps duct ends up to 1-5/8"(41.3mm) throat depth for tight fitting joints. Made in USA. UPC: 7 27226 13083 9











MWT-L1

MWT-N1

MWT-P1

MWT-C5



### SHEET METAL DUCT TOOL MODELS



#### Shelf Pk Qty. 4 Master Carton Qty. 24

**12-Inch Duct Slitter - MWT-X1** Use to pierce a starter hole, slit light gauge sheet metal or scribe a line. Forged blade with acrylic handle. Made in USA. UPC: 7 27226 13095 2

#### Shelf Pk Qty.3Master Carton Qty.18

**Cable Tie Tension Tool - MW-T1** Use to tighten cable tie securing flex duct to fittings. Cutter handle trims excess cable. Handles all types of nylon cable ties including thin designs. Imported.



#### Shelf Pk Qty. 3 Master Carton Qty. 18

#### **Duct Tightener - MW-D2**

Use to join and clamp duct runs together for cleating. Drive V-slot into duct flanges with hammer. Drive cleat over flanges and remove duct tightener after cleat is in place. Made in USA. UPC: 7 27226 13159 1



#### Shelf Pk Qty. 4 Master Carton Qty. 24

**16 oz. Tinner Hammer - MW-H1** Forged steel head with 8-sided striking face opposite rounded chisel end. Fiberglass shock-absorbing handle with rubber grip. Made in USA. UPC: 7 27226 13158 4



#### Shelf Pk Qty. 6 Master Carton Qty. 36

#### 16-Inch Duct Stretcher - MW-D1

Use as a lever to pull duct runs together for cleating. The handle is made of light weight aluminum. The rollers are made of hardened spring steel. Offset handle with Kush'n-Kote® textured grip. Made in USA. UPC: 7 27226 13153 9



#### Shelf Pk Qty. 10 Master Carton Qty. 60

#### 3-1/2"(88.9mm) Scratch Awl - MW-A1

Use to scribe mark sheet metal and align holes. Forged for long-lasting point. Made in USA.





#### Shelf Pk Qty. 3 Master Carton Qty. 36

#### Scribe-MWT-A2

10 common preset depths (1/8" - 1") Use to scribe mark sheet metal Made in USA. UPC: 7 27226 13137 9

		Model Number		Pack Qty.	Qty.	Nominal Length	Tab or Cut Width	Throat Depth	Cold-Roll Capacity
	Compound	MW-L1	13154-6	3	18	9"(228.6mm)	3/8"(9.5mm)	1/4"(9.5mm)	24 gauge
	Leverage Models	MW-P1	13157-7	3	18	9.25"(235mm)	3/16"(4.8mm)	1"(25.4mm)	24 gauge
		MW-C5	13030-3	3	18	1/8"(215.9mm)		1-5/8"(41.28mm)	22 gauge
		MW-N1	13141-6	3	18	8.75"(222.3mm)	31-degree	1-3/16"(30.17mm)	24 gauge
		MWT-X1	13095-2	4	24	12"(304.8mm)			
		MW-D1	13153-9	6	36	16"(406.4mm)			
	Sheet Metal Duct Tools	MW-D2	13159-1	3	18	5.5"(139.7mm)			
		MW-H1	13158-4	4	24	13"(330.2mm)			
		MW-A1	13185-0	10	60	3.5"(88.9mm)			
		MW-A2	13137-9		36	4.0"			
		MW-T1	13155-3	3	18	8"(203.2mm)			
••	Nopeus	MW-NS1	13138-6	1	n/a		•••••	• • • • • • • • • • • • •	

Chalf Master

Shear

#### 16 ga. = 0.060"(1.52mm) | 18 ga. = 0.048"(1.22mm) | 20 ga. = 0.036"(0.91mm) | 22 ga. = 0.030"(0.76mm) | 24 ga. = 0.24"(0.61mm) | 26 ga. = 0.018"(0.46mm) | 28 ga. = 0.015"(0.38mm) | 28 ga. = 0.015"(0.38mm) | 28 ga. = 0.015"(0.38mm) | 28 ga. = 0.016"(0.46mm) | 28 ga. = 0.016"(0.46mm) | 28 ga. = 0.015"(0.38mm) | 28 ga. = 0.016"(0.46mm) | 28 ga. = 0.016"(0.4







PRECISION PULLT ROOFING, SIDING & GUTTER TOOLS

## The Right Tools Since 1945

Midwest Tool has been manufacturing tradesmen quality hand tools, Made in the USA, since 1945.

No matter what Midwest tool is in your belt, you can count on Midwest to provide the Fastest, Easiest, and Safest tools available.





#### Shelf Pk Qty. 3 Master Carton Qty. 18

- **Combo Punch MWT-CT**
- 3/8" Snap-Lock Tab
- 5/32" x 1/2" Nail Slot
  3/8" Throat Depth
- UPC: 7 27226 13041 9

**Compound Leverage Siding & Trim Tools** 





#### Shelf Pk Qty. 3 Master Carton Qty. 18

## Siding Lap & J-Channel Combo Notcher MWT-VN

1/8" Notch Width
3/8"-1" Depth Gauge
1 3/8" Throat Depth
UPC: 7 27226 13051 8





#### Shelf Pk Qty. 3 Master Carton Qty. 18

Permatab Crimper - MW-PTC
 Attaches perma tab to siding

Adjustable throat depth stop
 UPC: 7 27226 50006 9



#### **Siding and Trim Tools**

WA-THO ( MIDWEST Made In USA

#### Shelf Pk Qty. 6 Master Carton Qty. 36

Trim Nail Driver - MWT-TND Hex shape stays in place Ball bearing for smooth action UPC: 7 27226 13050 1

Shelf Pk Qty. 3 Master Carton Qty. 18



Snap Lock Punch - MWT-DVSSL 3/8" Snap-Lock Tab 3/8" Throat Depth UPC: 7 27226 13053 2





#### Shelf Pk Qty. 6 Master Carton Qty. 36

Siding Removal Tool - MWT-ST Brass riveted hardwood handle fits user's hand comfortably. Hardened spring steel blade for long lasting durability. Offset blade design protects hand and knuckles from siding surface. Handy hang-hole. UPC: 7 27226 13049 5

#### Shelf Pk Oty. 6 Master Carton Oty. 36



"Labor Saver" Lap Siding Gauges - MW-LSG The gauges keep siding securely in place preventing slippage during nailing. Strong one-piece stainless steel constructed gauges will not bend or rust. There are no moving parts or screws to lose. The "Labor Saver" gauges lap siding to standard 1-1/4 inch lap. Made In USA. US Patent 6,367,160 UPC: 7 27226 56067 4



#### Shelf Pk Qty. 3 Master Carton Qty. 18

#### Vertical Slot Punch - MW-VSP

from hand pressure. UPC: 7 27226 13040 2

Makes vertical slot hole 3/16"(4.77mm) X 1/2"(12.7mm) in bracket sometimes required for installation of cover or helmet. Also can be used for siding and trim installation depending upon position of material and desired direction of nail slot UPC: 7 27226 56056 8



#### Shelf Pk Qty. 3 Master Carton Qty. 18

3-Blade Crimper - MWT-3BC Hardened steel blades for long-lasting durability. Makes factory precision crimp to throat depth of 1-1/4"(31.75mm). Heavy-duty steel handles will not bend from hand pressure. UPC: 7 27226 13039 6

Shelf Pk Qty. 3 Master Carton Qty. 18







#### Shelf Pk Qty. 3 Master Carton Qty. 18

**Compound Leverage Gutter Tools** 

#### End-Cap Crimper - MW-ECC

Securely fastens end-cap to gutter with a double cut on the inside and louver cut on the outside. Adjustable throat depth. Heavy-duty handles will not bend from hand pressure. Tempered steel head for long-lasting accuracy. UPC: 7 27226 50013 7



#### 5-Blade Crimper - MWT-5BC Hardened steel blades for long-lasting durability. Makes factory precision crimp to throat depth of 1-1/4"(31.75mm). Heavy-duty steel handles will not bend



Nominal



## Compound Leverage Gutter Tools Shelf Pk Qty. 3 Master Carton Qty. 18

### End-Cap/PermaTab Crimper - MW-DECPC

Securely fastens end-cap to gutter with louver style cut on the inside. Also can be used to secure permatabs to siding. Handles are made of hardened and tempered spring steel with a Kush'n-Kote® textured grip to comfort user's hand. UPC: 7 27226 50008 3

#### Shelf Pk Qty. 6 Master Carton Qty. 36

Hardened steel punch for long-lasting durability. Copper coated steel ball-bearing for smooth action. 9.75"(247.65mm) length for extra reach. Hex shape for secure grip. **Gutter Nail Driver (pallet nail style) - MW-GND** UPC: 7 27226 50009 0 **Gutter Nail Driver (8-penny nail style) - MW-GNDS** UPC: 7 27226 50010 6

#### **Speciality Vinyl Tools**



W-DO DOWN WE NISA -



#### Vinyl Siding Replaceable Blade Snip - MWT-1200SV

- Cuts straight and wide curves.
- Use in either hand.
- 3-1/2"(89mm) length of cut
- Replaceable blades.
- Ships with Vinyl Siding blades
- Kush'n-Kote® handles.
- UPC: 7 27226 13127 0



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#### Shelf Pk Qty. 6 Master Carton Qty.

#### 12-Inch Vinyl Siding Snip MWT-127SV

- Cuts straight and wide curves.
- Cut Length : 3.0" (76.2 mm)
- Vinyl Siding, Vinyl Trim, Vinyl Siding Nail Lip.
- Soft Materials
- NOT FOR METAL OR WIRE CUTTING
- UPC: 7 27226 13047 1



	Compound Leverage	Model No.	7-27226	Qty.	Qty.	Function	Length	Throat Depth
	Siding & Trim	MW-CT	50004-5	3	18	snap-lock & nail hole punch	9.0"(228.6mm)	0.375"(9.53mm)
	Tools	MW-VN	50005-2	3	18	lap notcher & j-channel cutter	9.0"(228.6mm)	1.375"(34.93mm)
		MW-PTC	50006-9	3	18	permatab crimper	9.0"(228.6mm)	adjust to 0.375"(9.53mm)
••••	• • • • • • • • • • •	• • • • • • •	• • • • • •	••••	••••		•••••	• • • • • • • • • • • • • • • • • • • •
			UPC Code	Pack				
		Model No.		Qty.	Qty.	Function	Nominal Length	Throat Depth
		MW-TND	50001-4	6	36	trim nail driver	4.75"(120.65mm)	1.25"(31.75mm)
9	Siding & Trim Tools	MW-DVSSL	50007-6	3	18	snap-lock punch	9.0"(228.6mm)	0.375"(9.53mm)
		MW-ST	50002-1	6	36	siding removal tool	6.0"(152.4mm)	0.125"(3.175mm)
		MW-LSG	56067-4	6	36	lap gauge (2 gauge set)	6.0"(152.4mm)	
••••		MW-ECC	50013-7	••••	18	end-cap crimper	9 0"(228 6mm)	adjust to 0.375"(9.53mm)

Shelf Master

Pack Carton

LIPC

Code

	MW-VSP	56056-8	3	18	gutter helmet & vertical slot punch	9.0"(228.6mm)	0.75"(10.05mm)
Gutter 10018	MW-5BC	50012-0	3	18	5-blade crimper	9.25"(234.95mm)	1.25"(31.75mm)
Leverage Gutter Tools	MW-3BC	50011-3	3	18	3-blade crimper	9.25"(234.95mm)	1.25"(31.75mm)
Compound	MW-ECC	50013-7	3	18	end-cap crimper	9.0"(228.6mm)	adjust to 0.375"(9.53mm)

	Model No.	UPC Code 7-27226		Master Carton Qty.	Function	Nominal Length	Throat Depth
	MW-DECPC	50008-3	3	18	end-cap & permatab crimper	9.0"(228.6mm)	0.375"(9.53mm)
Gutter Tools	MW-GND	50009-0	6	36	gutter nail driver - pallet nails	7.75"(196.85mm)	1.5"(38.1mm)
	MW-GNDS	50010-6	6	36	gutter nail driver - 8 penny nails	7.75"(196.85mm)	2.25"(53.9mm)



## **PORTABLE** WORK SURFACE Fully Portable. Fully Powered. Limitless Projects.

The Midwest Portable Work Surface is a versatile tool that combines an industrial strength work platform and a professional grade workbench into a compact, portable and easily storable unit with a carrying weight of just 30 lbs.

It comes equipped with a built-in 3-outlet, 15-Amp surge protected power strip.

### INTERCHANGEABLE WORK SURFACES

Quickly Change between work surfaces with 4 quick release latches.

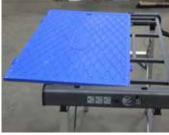
#### POWERED

15 Amp / Surge protected three port electrical outlet (UL & CE listed)

### TWO ADJUSTABLE HEIGHTS

Work Platform : 21.625" (54.93cm) Work Surface : 31.25" (79.38cm)

**HEAVY-DUTY** Holds up to 330 lbs. in Platform position Holds up to 330 lbs. in Surface position



Interchangeable Work Surface



Sturdy in the lower position



15 Amp/surge protected three port electrical outlet (UL and CE listed)



Work surface with printed measurements, drill hole, stainless steel hammering & cutting strip



Optional Workbench Pouch with multiple pockets for all your needs.



Convenient Carrying Handle and weighing only 30lbs, makes for easy portability







The MIDWEST® Portable Work Surface is a versatile tool that combines an industrial strength work platform and a professional grade workbench that offers limitless project possibilities.

Its compact design, convenient carrying handle and a weight of 30lbs (13.6kg) makes for easy portability.

The work surface has two easily interchangable sides, a non-slip textured platform side and a smooth MDF wood surface with printed measuring tools and a generous 18.375 in. x 33.5 in workspace.

There is a 15 Amp/Surge protected three port electrical outlet conveniently located on the side of the platform with three ports for your power needs.

UPC: 7 27226 14178 1



#### **KNIFTI FASTENERS & NUTSETTERS**





## INTRODUCING **KNIFTI-GRIP** SELF-PIERCING SCREWS

High Quality, Fast Grabbing, Non-Slip Slotted Heads. New improved packaging with BPA jars with secure lids.



Hex shank drive to female hex with rare earth magnetic insert. Precision forged for exceptional strength and durability.

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## **KNIFTI-GRIP SELF-PIERCING SCREWS**



- Conveniently packaged in bags and jars
- · Fast-Grabbing needle point and twin lead threads
- Rust-Proof zinc-plated steel
- Non-Slip Slotted Heads with 1/4" indented hex washer

### **PAINTED FASTENERS (SELF-PIERCING SCREWS)**

All sizes stocked in white and unpainted. Other colors available by special order.

Larger pail quantities available upon request.



SIZE X LENGTH.	QUANTITIES	
NO.6 X 3/8-in.	100	1000
	MW-6X38PW1	MW-6X38PW
NO.7 X 1/2-in.	100	1000
	MW-7X12PW1	MW-7X12PW10
NO.8 X 1/2-in.	100	1000
	MW-8X12PW1	MW-8X12PW10
NO.8 X 3/4-in.	500	
	MW-8X34PW5	
NO.8 x 1-in.	500	
	MW-8X1PW5	
NO.8 x 2-in.	250	

MW-8X2PW25

QUANTITIES

## **UNPAINTED FASTENERS** (SELF-PIERCING SCREWS)

SIZE Y LENGTH



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SIZE A LENGTH.	GUANTITL	3		
NO.6 X 3/8-in.	100	1000		
	MW-6X381	MW-3810		
NO.7 X 1/2-in.	100	1000	7500	
	MW-7X121	MW-7X1210	MW-7X1275	
NO.8 X 1/2-in.	100	1000	7000	12000
	MW-8X121	MW-8X1210	MW-8X1270	MW-8X12120
NO.8 X 5/8-in.	100			
	MW-8X581			
NO.8 X 3/4-in.	500	1000	5000	10000
	MW-8X345	MW-8x3410	MW-8x3450	MW-8x34100
NO.8 x 1-in.	100	500	3500	7000
	MW-8X11	MW-8x15	MW-8X135	MW-8X170
NO.8 x 1-1/2-in.	50	250	2250	
	MW-8X1125	MW-8x11225	MW-8x1122	25
NO.8 x 2-in.	50	250	2300	
	MW-8X25	MW-8X225	MW-8X223	
NO.10 x 1/2-in.	1000			
	MW-10X121	0		
NO.10 x 3/4-in.	1000			
	MW-10X341	D		

## **NUT SETTERS & POWER BITS** Hex Drivers and Phillips Power Bits

 Shelf Pk Qty.
 10
 Master Carton Qty.
 50

 MAGGNEETIC NUCL SECTERS - HEX DRIVERS

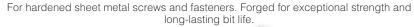
 Hex shank drive to female hex with magnetic insert. Precision forged for exceptional strength and durability.

 MWT-MSH

 MWT-MSH

HEX SIZE	LENGTH	QTY.	PART NUMBER	QTY.	PART NUMBER
	1-5/8"	20	MWT-MSH14	50	MWT-MSH14BK
1/4"	2-9/16"	5	MWT-MSHL14	25	MWT-MSHL14BK
1/4	4"	5	MWT-MSHML14		
	6"	1	MWT-MSHXL14		
	1-5/8"	20	MWT-MSH516	50	MWT-MSH516BK
E/16"	2-9/16"	4	MWT-MSHL516	25	MWT-MSHL516BK
5/16"	4"	5	MWT-MSHML516		
	6"	1	MWT-MSHXL516		
<b>၁/</b> 0"	1-3/4"	10	MWT-MSH38	45	MWT-MSH38BK
3/8"	2-9/16"	2	MWT-MSHL38	20	MWT-MSHL38BK

### **PHILLIPS POWER BITS**



## MW-E1103XM MW-E1102XM 1/4" x 1-5/16" #3 Phillips Power Bit - MW-E1103XM UPC: 7 27226 56012 4 1/4" x 2-3/4" #2 Phillips Power Bit - MW-E1102XM UPC: 7 27226 56013 1



## Item Specifications Knifti Fasteners

	Model No.	UPC Code 7-27226	Туре			Model No.	UPC Code 7-27226
	MWT-MSH14	14162-0	1/4"(6.35mm) H	lex •		MW-E1103XM	56012-4
KNIFTI-SET	MWT-MSH14BK	14163-7	1/4"(6.35mm) H		PHILLIPS	MW-E1102XM	56013-1
MAGNETIC NUTSETTERS	MWT-MSH516	14164-4	5/16"(7.94mm) I	•	POWER BITS		
	MWT-MSH516BK	14165-1	5/16"(7.94mm) I				
	MWT-MSH38	14166-8	3/8"(9.52mm) H	lex	• • • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • •
	MWT-MSH38BK	14167-5	3/8"(9.52mm) H	lex			
	MWT-MSHL14	14168-2	1/4"(6.35mm) H	lex			
	MWT-MSHL14BK	14169-9	1/4"(6.35mm) H	lex			
	MWT-MSHL516	14170-5	5/16"(7.94mm) I	Hex 🚦			
	MWT-MSHL516BK	14171-2	5/16"(7.94mm) I	lex			
	MWT-MSHL38	14172-9	3/8"(9.52mm) H	lex			
	MWT-MSHL38BK	14173-6	3/8"(9.52mm) H				
	MWT-MSHML14	14174-3	1/4"(6.35mm) H				
	MWT-MSHML516	14175-0	5/16"(7.94mm) I				
	MWT-MSHXL14	14176-7	1/4"(6.35mm) H				
	MWT-MSHXL516	14177-4	5/16"(7.94mm) I	lex			
•••••	MW-6x38PW1	56019-3	No.6 x 3/8"	Quan 100	tity	•••••	
KNIFTI-GRIP	MW-6X38PW10	56020-9	No.6 x 3/8"	1000			
PAINTED FASTENERS	MW-7X12PW1	56021-6	No.7 x 1/2"	100			
	MW-7X12PW10	56022-3	No.7 x 1/2"	1000			
	MW-8X12PW1	56023-0	No.8 x 1/2"	100			
	MW-8X12PW10	56024-7	No.8 x 1/2"	1000			
	MW-8X34PW5	56025-4	No.8 x 3/4"	500			
	MW-8X1PW5	56026-1	No.8 x 1"	500			
	MW-8X2PW25	56027-8	No.8 x 2"	250			
	MW-6X381	56028-5	No.6 x 3/8"	100			
KNIFTI-GRIP FASTENERS	MW-6X3810	56029-2	No.6 x 3/8"	1000			
FASTENERS	MW-7X121	56030-8	No.7 x 1/2"	100			
	MW-7X1210	56031-5	No.7 x 1/2"	1000			
	MW-7X1275	14116-3	No.7 x 1/2"	7500			
	MW-8X121	56032-2	No.8 x 1/2"	100			
	MW-8X1210	56033-9	No.8 x 1/2"	1000			
	MW-8X1270	14117-0	No.8 x 1/2"	7000			
	MW-8X12120	14118-7	No.8 x 1/2"	12000			
	MW-8X581	13128-7	No.8 x 5/8"	100			
	MW-8X345	56034-6	No.8 x 3/4"	500			
	MW-8X3410	14119-4	No.8 x 3/4"	1000			
	MW-8X3450	14120-0	No.8 x 3/4"	5000			
	MW-8X34100	14121-7	No.8 x 3/4"	10000			
	MW-8X11	14122-4	No.8 x 1"	100			
	MW-8X15	56035-3	No.8 x 1"	500			
	MW-8X135	14123-1	No.8 x 1"	3500			
	MW-8X170 MW-8X1125	14124-8	No.8 x 1"	7000			
	MW-8X1125 MW-8X11225	14125-5 56036-0	No.8 x 1-1/2"	50			
	MW-8X11225	14126-2	No.8 x 1-1/2" No.8 x 1-1/2"	250 2250			
	MW-8X25	14120-2					
	MW-8X225	56037-7	No.8 x 2" No.8 x 2"	50 250			
	MW-8X223	14128-6	No.8 x 2"	2300			
	MW-10X1210	14129-3	No.10 x 1/2"	1000			
	MW-10X1210	14130-9	No.10 x 3/4"	1000			



## **TOOL KITS** Tools of the Trade.

Our HVAC Tool Kits are great for new graduates to seasoned vets of the field.



### **HVAC TOOL BAG KITS**



#### HVAC Preferred Kit - MWT-HVACKIT01

MIDWEST® HVAC Preferred Kit contains five "go to" tools for HVAC sheetmetal work (Left and Right Offset Snips, Bulldog Snip, 3" Straight Seamer Tong, & Scribe) all contained in a durable tool bag. Everything is made in the USA! UPC: 7 27226 14155 2

### **HVAC TOOL BAG KITS**



#### HVAC Platnium Kit - MWT-HVACKIT03

MIDWEST® HVAC Platnium Kit contains nine "go to" tools for HVAC sheetmetal work (Left and Right Offset Snips, Bulldog Snip, Left and Right Upright Snips, 3"/6" Interchangable Straight Seamer Set, Crimping Tool, 12" Folding Tool & Scribe) all contained in a durable tool bag. Everything is made in the USA! UPC: 7 27226 14157 6



#### HVAC Premium Kit - MWT-HVACKIT02

MIDWEST® HVAC Premium Kit contains six "go to" tools for HVAC sheetmetal work (Left and Right Offset Snips, Bulldog Snip, 3"/6" Interchangable Straight Seamer Set, 12" Folding Tool & Scribe) all contained in a durable tool bag. Everything is made in the USA! UPC: 7 27226 14156 9







### **BUILDING TOOL BAG KITS**



#### Building Preferred Kit - MWT-BULDKIT01

MIDWEST® Building Preferred Kit contains five "go to" tools for Building sheetmetal work (Left and Right Offset Snips, Bulldog Snip, Powercutter Long Offset Snip, & Scratch Awl) all contained in a durable tool bag. Everything is made in the USA! UPC: 7 27226 14158 3



#### **Building Premium Kit - MWT-BULDKIT02**

60

MIDWEST® Building Preferred Kit contains eight "go to" tools for Building sheetmetal work (Left and Right Offset Snips, Bulldog Snip, Powercutter Long Offset Snip, 3" Straight Seamer Tong, Siding Removal Tool, Trim Nail Driver, & Scratch Awl) all contained in a durable tool bag. Everything is made in the USA! UPC: 7 27226 14159 0

### **BUILDING TOOL BAG KITS**



#### **Building Platinum Kit - MWT-BULDKIT3**

TOOL POUCH MWT-TP01

MIDWEST® Building Platinum Kit contains ten "go to" tools for Building sheetmetal work (Left and Right Offset Snips, Straight Snip,Bulldog Snip, Powercutter Long Offset Snip, 3"/6" Interchangable Straight Seamer Set, Magsnips Straight Replaceable Blade Snip, Replaceable Blade kit, Trim nail driver, Siding removal tool, & Scratch Awl) all contained in a durable tool bag. Everything is made in the USA! UPC: 7 27226 14160 6



14161-3

MWT-HVACKIT03	14157-6	MWT-TP01, MWT-6510 L, MWT-6510R, MWT-6516B, MWT-S1, MWT-A2, MWT-F1, MWT-S36, MWT-C5, MWT-6900L, MWT-6900R
MWT-BULDKIT01	14158-3	MWT-TP01, MWT-6510C, MWT-6716S, MWT-6716B, MWT-6516, MW-A1
MWT-BULDKIT02	14159-0	MWT-TP01, MWT-6510C, MWT-6716S, MWT-6716B, MWT-6516, MW-A1, MWT-TND, MWT-ST, MWT-ST2
MWT-BULDKIT03	14160-6	MWT-TP01, MWT-6510C, MWT-6716S, MWT-6716B, MWT-6516, MW-A1, MWT-TND, MWT-ST, MWT-S36, MWT-1200, MWT-1200B



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Be ready and build strong this season with these durable, high-quality products designed to make your work easier from shop-floor preparation to the field.

# **Vinyl & Aluminum FENCE TOOLS**

#### EXTRUDER – FABRICATOR – PROFESSIONAL INSTALLER – DO-IT-YOURSELFER

Midwest Tool® manufactures an extensive line of high quality hand tools used to fabricate and install vinyl and aluminum fence.

These tools have been designed to meet the needs of fence material extruders, fence fabricators, professional fence installers and the do-it-yourselfer.

The line includes our patented pneumatic notchers and rivet gun as well as manual notcher, nibbler, rail end clippers and rivet gun hand tools.



Shop www.myfencetools.com today.



## Vinyl Fence Manual Notchers

# Notch rails and pickets in the field

Choose from five models of compound leverage hand operated notchers for making the snap-lock in vinyl fence rail and pickets up to and including thicknesses of 0.135"(3.429mm).



FASTER!

**Precision Milled Jaws** Speeds field installation.

## EASIER!

Compound Leverage Requires less hand force.

## SAFER!

Heavy-Duty Components Won't bend or break from hand force.

Secures Rails & Pickets Creates a snap-lock tab that secures the fence rail into a post and/or picket into a rail.

#### Factory Tab Quality Duplicates 1/4"(6.35mm), 1/2"(12.7mm), and 3/4"(19.05mm) factory fabricated snap-lock tabs.

**Choose From Five Different Models** Handles vinyl fence material up to and including 0.135" (3.429mm) thicknesses.



#### Shelf Pk Qty. 3 Master Carton Qty. 18

#### 1/4-Inch Rail/Picket Notcher - MW-1/4VFN

Forged Punch has longer lasting cutting edge. Compound leverage handle action and 3/8"(9.53mm) throat depth. Makes 1/4"(6.35mm) snap-lock tab in vinyl material up to 0.075"(1.905mm) thickness. UPC: 7 27226 55007 1

#### 1/4-Inch Rail/Picket Notcher - Long - MW-1/4VFN-L

VINYL FENCE NOTCHER MODELS

Forged Punch has longer lasting cutting edge. Compound leverage handle action and 7/8"(22.23mm) throat depth. Makes 1/4"(6.35mm) snap-lock tab in vinyl material up to 0.075"(1.905mm) thickness. UPC: 7 27226 55008 8

#### 1/2-Inch Rail/Picket Notcher - MW-1/2VFN

Forged Punch has longer lasting cutting edge. Compound leverage handle action and 7/8"(22.23mm) throat depth. Makes 1/2"(12.7mm) snap-lock tab in vinyl material up to 0.090"(3.429mm) thickness. UPC: 7 27226 55009 5

#### Shelf Pk Qty. n/a Master Carton Qty. 1

#### 3/4-Inch Rail/Picket Notcher - MW-BRVFN

Cast steel handles and 1-1/4"(31.75mm) throat depth. Makes 3/4"(19.05mm) snap-lock tab in vinyl material up to 0.135"(3.429mm) thickness. (Non-replaceable cutting jaw.) UPC: 7 27226 55010 1



#### 3/4-Inch Rail/Picket Notcher - MW-3/4VFN

Long aluminum handles with variable leverage action and adjustable throat depth to 1-1/4"(31.75mm). Cutting jaw is milled from high quality tool steel for long-lasting durability and is designed for cost effective replacement if necessary after extensive use. Overall length is 16"(406.4mm) and weighs 3 lbs.(1.4kg).Notches vinyl material up to 0.135"(3.429mm). UPC: 7 27226 55011 8

#### Shelf Pk Qty. n/a Master Carton Qty. 1

Replacement Jaw (for MW-3/4VFN) - MW-3/4VFN-RJ UPC: 7 27226 55006 4



## **Vinyl Fence Manual Nibblers** "Must Have" tools for vinyl fence installation

These models are used in the field for vinyl fence installation. They are invaluable time-savers when it is necessary to elongate post rail holes or rail picket holes to rack fence for a slope or grade. All feature variable leverage handle action, long aluminum handles, and replaceable cutter blades.



66

## FASTER!

#### **Eliminates Filing**

Fence nibblers enlarge post opening 1/4"(6.35mm) depth per stroke and picket nibbler removes 1/8"(3.175mm) depth per stroke.

## EASIER!

**Self-Alignment** All models self-align with existing hole for ease of operation.

## SAFER!

**Protects Hands** Keeps hands away from working surface.

#### **Extended Aluminum Handles** Long aluminum handles with variable leverage action minimize required hand force.

**Replaceable Blade** Punch and die cutter is easily replaced if necessary after extensive use.

#### **Precision Milled** Punch and die cutter is precision CNC milled of high quality tool steel.

**Comfort Handle Grips** 

Textured molded handle grips prevent slippage and comfort user's hands.

### **VINYL FENCE POST** NIBBLER MODELS

Use to elongate rail hole in post when required Use to elongate picket hole in rail when to rack fence rails or section over a slope or grade. Variable leverage handle action. Long aluminum handles. Replaceable cutter jaws. Clean cutting action. Self-aligning to existing post rail hole opening. (Note: Move tool side- • to existing picket rail hole opening. (Note: to-side for post rail hole openings wider than nibbler.) Nibbles away 1/4"(6.35mm) depth of • material per stroke.

#### Shelf Pk Qty. n/a Master Carton Qty. 1



1-1/2-Inch Nibbler **MW-1-1/2VFRN** 1-1/2"(38.1mm) cutting width per stroke UPC: 7 27226 55012 5

1-1/2-Inch Nibbler Replacement Jaw (for MW-1-1/2VFRN) MW-1-1/2VFRN-RJ UPC: 7 27226 56061 2



2-Inch Nibbler MW-2VFRN 2"(50.8mm) cutting width per stroke UPC: 7 27226 55013 2

2-Inch Nibbler Replacement Jaw (for MW-2VFRN) MW-2VFRN-RJ UPC: 7 27226 56062 9

## **VINYL FENCE PICKET RAIL NIBBLER MODEL**

required to rack picket fence over a slope • or grade. Variable leverage handle action. Long aluminum handles. Replaceable cutter jaws. Clean cutting action. Self-aligning Move tool side-to-side for picket rail hole opening wider than nibbler.) Nibbles away 1/8"(3.175mm) of material per stroke.

Shelf Pk Qty. n/a Master Carton Qty. 1



7/8-Inch Nibbler MW-7/8VFPN 7/8"(22.23mm) cutting width per stroke UPC: 7 27226 55014 9

7/8-Inch Nibbler Replacement Jaw (for MW-7/8VFPN) MW-7/8VFPN-RJ UPC: 7 27226 56063 6





## Vinyl Fence Pneumatic Notchers

## Powerful. Portable. Compact. Convenient.

Used by extruders, fabricators and installers to notch vinyl fence rails and pickets. Patented three piston pneumatic cylinder is fast and powerful. Portability increases productivity by reducing material handling. Professionally notch material in its place without placing material on stationary tabletop. One-hand operation. Palm touch modular trigger assembly. Interchangeable notcher heads in three sizes. Cutter blades are milled from tool steel for long-lasting precision. US Patent 6,314,862



## FASTER!

**Patented 3-Piston Power Unit** Quickly notches rails up to 0.15" thick.

EASIER!

#### Portable

Notches material in-place (without table).



**One-Hand Operation** Second hand free to steady and feed material.

Interchangeable Heads MW-1/4VFNPIH, MW-1/4VFNPIHL, and MW-1/2VFNPIH heads are interchangeable.

**Compact** Less than 14"(355.6mm) in overall length.

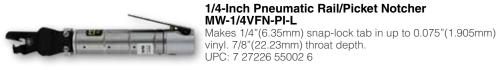
**Convenient** Reduces material handling required for tabletop models.



Powerful 3-piston pneumatic cylinder with palm touch actuator and precision milled notcher heads. Notches snap-lock tabs in vinyl fence rail and pickets. Notcher heads are interchangeable on all 1/4-Inch and 1/2-Inch models. Replaceable jaws are available for all models. (Air hose fittings not included.) US Patent 6,314.862.

Master Carton Qty. 1











Pneumatic Notcher Set MW-1/4+1/2VFN-PI Set includes MW-1/4VFN-PI complete unit and additional interchangeable notcher head MW-1/2VFNPIH.







### INTERCHANGEABLE PNEUMATIC NOTCHER HEAD MODELS

Notcher heads are interchangeable on all 1/4-Inch and 1/2-Inch pneumatic notcher models.

Master Carton Qty. 1





1/4-Inch Notcher Head Only MW-1/4VFN-PI-H 3/8"(9.53mm) throat depth UPC: 7 27226 55070 5

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1/4-Inch Notcher Head Only MW-1/4VFN-PI-HL 7/8"(22.23mm) throat depth UPC: 7 27226 55071 2

PNEUMATIC/AIR TOOL HOLDER MODELS

Made of lightweight aluminum. Hooks on tool belt loop for holstering almost any air tool by its NPT fitting.



1/2-Inch Notcher Head Only MW-1/2VFN-PI-H 7/8"(22.23mm) throat depth UPC: 7 27226 55072 9

FASTER!

Slide in, Slide Out



**No Rail Damage** 



**Includes Safety Strap** 

**Snap-Lock Tab Removers** Use to remove a fence rail for repair or replacement.

## **Vinyl Fence Rail Removers**



MW-TRR24





#### MW-TRR46

### **VINYL FENCE RAIL REMOVER MODELS**

For removal of vinyl fence rails. Insert the blades on both sides of the rail to unlock the snap-lock tabs. Makes repairs or replacement of rails faster, easier, and safer!

Shelf Pk Qty. 4 Master Carton Qty. 24

2"x4" Rail Remover - MW-TRR24 UPC: 7 27226 55018 7 4"x6" Rail Remover - MW-TRR46 UPC: 7 27226 55019 4



#### Shelf Pk Qty. 3 Master Carton Qty. 18

1/4-Inch NPT Air Tool Holder MW-ATH14 UPC: 7 27226 50014 4

3/8-Inch NPT Air Tool Holder **MW-ATH38** UPC: 7 27226 50015 1



## Vinyl Fence Rivet Guns & Rivets

## Pneumatic and Manual Operated Models

Use to prefab vinyl fence gates and sections or in the field for installations and repairs. Our patented pneumatic model MW-R62X6P is most often used for high-speed production. It features our 2-piston pneumatic power unit. The 6-inch long barrel is specifically designed to use our 3/16-inch aluminum rivets, requiring a pull strength of less than 500 pounds. We also offer two manual rivet gun models, one with a 3-inch barrel and rear ejection for use with our 3/16-inch aluminum rivets and one standard multi-purpose manual model with four interchangeable nosepieces for aluminum, copper, steel, and stainless steel rivets up to 3/16-inch. US Patent 6,314,862



## FASTER!

**Pneumatic or Manual Models** For high-speed production or quick installation and repairs.

## EASIER!

**Extended Barrels** Nosepiece extensions fit through 5/8-inch diameter holes.

## SAFER!

Self Release Of Stem Gravity release of rivet stem from end of barrel.

#### **Built To Last**

Both pneumatic and manual models are manufactured of heavy-duty components and designed for tradesman use.

#### **Patented Power Unit**

Features of the 2-piston powered pneumatic model are protected by US Patent 6314862.

#### **User Friendly**

Pneumatic model is trigger activated while manual models feature molded grips to comfort user's hand.

#### Aluminum Rivets Rust free aluminum rivets stocked in plain and white.

## **EXTENDED BARREL PNEUMATIC RIVET GUN MODEL**



#### Master Carton Qty. 1



Powerful 2-piston cylinder. Extended 6"(152.4mm) barrel fits through 5/8"(15.8mm) diameter hole. Uses only 3/16"(4.7mm) aluminum trifold rivets requiring a pull strength of 500 pounds or less at a recommended PSI of 80-90 pounds. Releases stem from barrel end. Pistol grip trigger actuated. (Note: Does not hold rivet when barrel is pointed down.) Made in USA. US Patent 6,314,862 UPC: 7 27226 55040 8

## STANDARD MANUAL RIVET GUN MODEL





#### Master Carton Qty. 1

#### 4 Tip Manual Rivet Gun - MW-HP2

Four interchangeable nosepieces for 3/32"(2.37mm), 1/8"(3.175mm), 5/32"(3.95mm), and 3/16"(4.77mm) diameter aluminum, copper, steel, or stainless steel rivets. Heavy-duty model. Molded grips comfort user's hand. UPC: 7 27226 50038 0

## **ALUMINUM TRIFOLD RIVETS**

Master Carton Qty. 1 500 Count



Low shear aluminum trifold type rivets require less than 500 pounds pull strength. Stocked in plain and white. Other colors available upon request. **3/16"x7/8" Aluminum Rivets - Plain - MW-R-78-P** UPC: 7 27226 55041 5 **3/16"x7/8" Aluminum Rivets - White - MW-R-78-W** UPC: 7 27226 55042 2 **3/16"x1" Aluminum Rivets - Plain - MW-R-10-P** UPC: 7 27226 55043 9 **3/16"x1" Aluminum Rivets - White** UPC: 7 27226 55044 6 **MW-R-10-W** 





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Be ready and build strong this season with these durable, high-quality products designed to make your work easier from shop-floor preparation to the field.



US Patent 7637017

## **Precision CNC Machined ALUMINUM FENCE TOOLS**

RELIED UPON BY ALUMINUM FENCE MANUFACTURERS AND INSTALLERS

This hand tool offering is designed to ease and speed the professional installation of aluminum fence.

Included are rail notchers, a post and rail hole nibbler, and the patented line of Midwest Snips® rail end clippers.

All models feature precision CNC machined tool heads from high quality tool steel and aircraft grade aluminum handles for maximum light-in-weight strength and durability.

The interchangeable tool heads for the patented rail end clipper line are designed and manufactured specific to over 30 different models of residential, commercial, and industrial aluminum fence brands.



## Aluminum Fence Nibblers & Notchers

## "Must Have" tools for aluminum fence installation

The nibbler model elongates rail and post holes allowing sections to be racked to accommodate land surface inclines or grade changes. The notcher models create snap-lock tabs in rail and picket ends of aluminum fencing. All models will handle aluminum fence thicknesses of 0.080" (2.032mm).



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## FASTER!

**Speeds Installation** Sections can be racked quickly in field to accommodate grade changes.

## EASIER!

#### Precision Cuts

CNC machined cutting jaws produce accurate cuts for a professional installation.



#### Long Handles

Increases leverage minimizing user hand force and protecting user's hand from sharp edges.

#### **Nibbler Enlarges Hole For Racking**

The MW-ALFN Nibbler removes 0.650" X 0.125" (16.51mm X 3.175mm) per cutting stroke leaving square corners. Use additional strokes to remove more material.

#### **Notchers Produce Snap-Lock Tabs**

The MW-1/4AFN and the MW-1/4X7/8AFN produce 1/4"(6.35mm) snap-lock tabs in aluminum fence rail ends for securing rail ends in aluminum fence posts.

#### **Field Ready**

These models allow installers to rack or reduce aluminum fence sections as required in the field saving valuable installation time.

#### Strong And Durable

Long aircraft grade aluminum handles increase leverage. Tempered steel cutting heads for long-lasting precision. Molded grips comfort user's hands.



## **ALUMINUM FENCE NIBBLER**

#### Master Carton Qty. 1

#### Nibbler - MW-ALFN

Use to elongate hole in aluminum fence posts and rails for racking fence section when required by grade. Cuts square corners through 0.080"(2.032mm) aluminum wall thickness. Use multiple strokes for wider or deeper cuts. Cutting Width Per Stroke: 0.650"(16.51mm) Cutting Depth Per Stroke: 0.125"(3.175mm) UPC: 7 27226 55020 0

### **ALUMINUM FENCE NOTCHERS**



Master Carton Qty. 1

#### Notcher - MW-1/4AFN

Use to make snap-lock tab in aluminum fence rail ends to secure rail in aluminum fence post. Produces 1/4"(6.35mm) wide tab through 0.080"(2.032mm) aluminum wall thickness. Throat Depth: 0.570"(14.478mm) UPC: 7 27226 55074 3



#### Notcher - MW-1/4X7/8AFN

Use to make snap-lock tab in aluminum fence rail ends to secure rail in aluminum fence post. Produces 1/4"(6.35mm) wide tab through 0.080"(2.032mm) aluminum wall thickness. Throat Depth: 7/8"(22.23mm) UPC: 7 27226 55075 0



## **Aluminum Fence Rail End Clippers** Patented Interchangeable

Head Design

The MW-ALREC aluminum fence rail end clipper produces the fence manufacturer designed rail end fabrication necessary to properly install the rail end into the aluminum fence post. This tool is invaluable when installation requires cutting sections to desired length.

The interchangeable tool heads for the patented rail end clipper are each designed specific to more than 30 different residential, commercial, and industrial models of aluminum fence.

More are added as aluminum fence manufacturers change and add fence models. Simply change the rail end clipper head to that designed for the fence model being installed. US Patent 7637017



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#### **Produces Manufacturer Designed Rail End**

Speeds installation by eliminating need for numerous individual saw cuts to rail end.

## EASIER!

#### **Interchangeable Tool Heads**

Each tool head is designed specific to a manufacturer's fence model. Simply change the tool head for different fence models. Ejects tabs cleanly with no build-up.



#### **Compound Leverage Handle Action**

Minimizes force required for use. Long handles further increase leverage and keep user's hand safely away from sharp material edges.











**MW-ALREC-IJ** MW-ALREC-IK MW-ALREC-IL MW-ALREC-IM MW-ALREC-IN **MW-ALREC-IO MW-ALREC-IR** MW-ALREC-IS **MW-ALREC-IT** MW-ALREC-IU MW-ALREC-IV **MW-ALREC-IW MW-ALREC-IX MW-ALREC-DHP** Digger (Hole Punch)

### **ALUMINUM FENCE NIBBLER**

#### Master Carton Qty. 1

Rail End Clipper (Handle Unit Only) - MW-ALREC-I Handles Only for Interchangeable Tool Heads. UPC: 7 27226 55021 7

#### **INTERCHANGEABLE TOOL HEADS** (TOOL HEADS ONLY)

Serrated cutting edges securely grab



**MW-ALREC-IA** 

**MW-ALREC-IB** 

MW-ALREC-IC

MW-ALREC-IE

**MW-ALREC-IF** 

**MW-ALREC-IG** 

**MW-ALREC-IH** 

material for easier cutting.

Delgard Residential, Jerith Residential Delgard Commercial, Elite Residential, OnGuard Residential, OnGuard Commercial, SpecRail Residential Ideal Residential MW-ALREC-ID2 Ideal Commercial, Jerith Commercial Elite Industrial, Jerith Industrial, SpecRail Industrial, Ultra Commercial, Ultra Industrial American Fence Factory Residential, Delgard Aero Ideal Industrial AlumiGuard Industrial Royal Residential, Royal Commercial, SpecRail Commercial, AlumiGuard Municipal Delgard Residential & Aero Elite Commercial Merchants Metals VSP American Fence Factory Commercial Ameristar Echelon Res'l. Radiance Residential. Sentinel Residential National Fence Systems - Residential National Fence Systems - Commercial Ultra Residential National Fence Systems - Industrial AlumiGuard Imperial AlumiGuard Residential/Commercial

Call or visit MidwestSnips.com for additional specifications.



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Vinyl Fence	Model No.	UPC Code 7-27226	Shelf Pack Qty.	Master Carton Qty.	Blade Width	Blade Depth	Material Capacity
Rail & Picket	MW-TRR46	55018-7	4	24	6"(152.4mm)	4"(101.6mm)	0.150"(3.81mm)
Tab Removers	MW-TRR24	55019-4	4	24	4"(101.6mm)	2"(50.8mm)	0.150"(3.81mm)
•••••	•••••	•••••	••••	•••••		••••	Material
					Tab Width	Throat Depth	Capacity
Vinyl Fence	MW-1/4VFN	55007-1	3	18	1/4"(6.35mm)	3/8"(9.53mm)	0.075"(1.905mm)
Manual	MW-1/4VFN-L	55008-8	3	18	1/4"(6.35mm)	7/8"(22.23mm)	0.075"(1.905mm)
Notchers	MW-1/2VFN	55009-5	3	18	1/2"(12.7mm)	7/8"(22.23mm)	0.090"(2.286mm)
	MW-BRVFN	55010-1	NA	1	3/4"(19.05mm)	1-1/4"(31.75mm)	0.135"(3.429mm)
	MW-3/4VFN	55011-8	NA	1	3/4"(19.05mm)	1-1/4"(31.75mm)	0.135"(3.429mm)
	MW-3/4VFN-RJ	55006-4	NA	1	replacement cutting jaw on	ly for MW-3/4VFN	
•••••	•••••	••••	• • • • •	•••••	Cutting Width	Cutting Depth	Material Capacity
Vinyl Fence	MW-1-1/2VFRN	55012-5	NA	1	1-1/2"(38.1mm)	1/4"(6.35mm)	0.150"(3.81mm)
Manual	MW-2VFRN	55013-2	NA	1	2"(50.8mm)	1/4"(6.35mm)	0.150"(3.81mm)
Nibblers	MW-7/8VFPN	55014-9	NA	1	7/8"(22.23mm)	1/8"(3.175mm)	0.090"(2.286mm)
	MW-1-1/2VFRNRJ	56061-2	NA	1	replacement cutting jaw or	nly for MW-1-1/2VFRN	
	MW-2VFRNRJ	56062-9	NA	1	replacement cutting jaw or	nly for MW-2VFRN	
	MW-7/8VFPNRJ	56063-6	NA	1	replacement cutting jaw or	nly for MW-7/8VFPN	
					Tab Width	Threat Doubh	Material
Vinvl Fence	MW-1/4VFN-PI	55001-9	NA	1	1/4"(6.35mm)	Throat Depth 3/8"(9.53mm)	Capacity 0.075"(1.905mm)
Vinyl Fence Pneumatic	MW-1/4VFN-PI MW-1/4VFN-PI-L	55001-9 55002-6	NA NA	1 1			0.075"(1.905mm)
					1/4"(6.35mm)	3/8"(9.53mm)	0.075"(1.905mm) 0.075"(1.905mm)
Pneumatic Notchers and nterchangeable	MW-1/4VFN-PI-L	55002-6	NA	1	1/4"(6.35mm) 1/4"(6.35mm)	3/8"(9.53mm) 7/8"(22.23mm)	0.075"(1.905mm) 0.075"(1.905mm) 0.090"(2.286mm)
Pneumatic Notchers and	MW-1/4VFN-PI-L MW-1/2VFN-PI	55002-6 55003-3	NA NA	1 1	1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm)	3/8"(9.53mm) 7/8"(22.23mm) 7/8"(22.23mm)	0.075"(1.905mm) 0.075"(1.905mm)
Pneumatic Notchers and nterchangeable	MW-1/4VFN-PI-L MW-1/2VFN-PI MW-3/4VFN-P	55002-6 55003-3 55005-7	NA NA NA	1 1 1	1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) 3/4"(19.05mm) 1/4"(6.35mm)	3/8"(9.53mm) 7/8"(22.23mm) 7/8"(22.23mm) 1-3/16"(30.17mm) 3/8"(9.53mm)	0.075°(1.905mm) 0.075°(1.905mm) 0.090°(2.286mm) 0.150°(3.81mm) 0.075°(1.905mm)
Pneumatic Notchers and nterchangeable	MW-1/4VFN-PI-L MW-1/2VFN-PI MW-3/4VFN-P MW-1/4+1/2VFN-PI	55002-6 55003-3 55005-7 55004-0	NA NA NA	1 1 1	1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) 3/4"(19.05mm) 1/4"(6.35mm) 1/2"(12.7mm)	3/8"(9.53mm) 7/8"(22.23mm) 7/8"(22.23mm) 1-3/16"(30.17mm) 3/8"(9.53mm) 7/8"(22.23mm)	0.075"(1.905mm) 0.075"(1.905mm) 0.150"(2.286mm) 0.150"(3.81mm) 0.075"(1.905mm) 0.090"(2.286mm) 0.075"(1.905mm)
Pneumatic Notchers and nterchangeable	MW-1/4VFN-PI-L MW-1/2VFN-PI MW-3/4VFN-P MW-1/4+1/2VFN-PI MW-1/4VFNPIH	55002-6 55003-3 55005-7 55004-0 55070-5	NA NA NA NA	1 1 1 1	1/4"(6.35mm) 1/2"(12.7mm) 3/4"(19.05mm) 1/2"(12.7mm) 1/4"(6.35mm) 1/4"(6.35mm)	3/8'(9.53mm) 7/8'(22.23mm) 7/8'(22.23mm) 1-3/16'(30.17mm) 3/8''(9.53mm) 7/8''(22.23mm) 3/8''(9.53mm)	0.075°(1.905mm) 0.075°(1.905mm) 0.090°(2.286mm) 0.150°(3.81mm) 0.075°(1.905mm) 0.090°(2.286mm)
Preumatic Notchers and nterchangeable Heads	MW-1/4VFN-PI-L MW-1/2VFN-PI MW-3/4VFN-P MW-1/4+1/2VFN-PI MW-1/4+1/2VFN-PI MW-1/4VFNPIHL	55002-6 55003-3 55005-7 55004-0 55070-5 55071-2 55072-9	NA NA NA NA	1 1 1 1	1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) 3/4"(19.05mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/4"(6.35mm)	3/8°(9.53mm) 7/8°(22.23mm) 7/8°(22.23mm) 1-3/16°(30.17mm) 3/8°(9.53mm) 7/8°(22.23mm) 3/8°(9.53mm) 7/8°(22.23mm)	0.075"(1.905mm) 0.075"(1.905mm) 0.150"(2.286mm) 0.150"(3.81mm) 0.075"(1.805mm) 0.090"(2.286mm) 0.075"(1.905mm) 0.075"(1.905mm)
Preumatic Notchers and nterchangeable Heads Vinyl Fence	MW-1/4VFN-PI-L MW-1/2VFN-PI MW-3/4VFN-P MW-1/4+1/2VFN-PI MW-1/4+1/2VFN-PI MW-1/4VFNPIHL	55002-6 55003-3 55005-7 55004-0 55070-5 55071-2	NA NA NA NA	1 1 1 1	1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) 3/4"(19.05mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/4"(6.35mm)	3/8°(9.53mm) 7/8°(22.23mm) 7/8°(22.23mm) 1-3/16°(30.17mm) 3/8°(9.53mm) 7/8°(22.23mm) 3/8°(9.53mm) 7/8°(22.23mm)	0.075"(1.905mm) 0.075"(1.905mm) 0.150"(2.286mm) 0.150"(3.81mm) 0.075"(1.805mm) 0.090"(2.286mm) 0.075"(1.905mm) 0.075"(1.905mm)
Preumatic Notchers and nterchangeable Heads	MW-1/4VFN-PI-L MW-1/2VFN-PI MW-3/4VFN-P MW-1/4+1/2VFN-PI MW-1/4VFNPIH MW-1/4VFNPIHL MW-1/2VFNPIH	55002-6 55003-3 55005-7 55004-0 55070-5 55071-2 55072-9	NA NA NA NA NA	1 1 1 1 1 1 1	1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) 3/4"(19.05mm) 1/4"(19.05mm) 1/2"(12.7mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/4"(6.35mm)	3/8°(9.53mm) 7/8°(22.23mm) 7/8°(22.23mm) 1-3/16°(30.17mm) 3/8°(9.53mm) 7/8°(22.23mm) 3/8°(9.53mm) 7/8°(22.23mm)	0.075"(1.905mm) 0.075"(1.905mm) 0.150"(2.286mm) 0.150"(3.81mm) 0.075"(1.905mm) 0.075"(1.905mm) 0.075"(1.905mm)
Preumatic Notchers and Interchangeable Heads Vinyl Fence Pneumatic/Air	MW-1/4VFN-PI-L MW-1/2VFN-PI MW-3/4VFN-P MW-1/4+1/2VFN-PI MW-1/4+1/2VFN-PI MW-1/4VFNPIHL MW-1/2VFNPIHL MW-7/2VFNPIH	55002-6 55003-3 55005-7 55004-0 55070-5 55071-2 55072-9 50014-4	NA NA NA NA NA NA	1 1 1 1 1 1 1 1 1	1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) 3/4"(19.05mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) fits 1/4" NPT fits 3/8" NPT	3/8°(9.53mm) 7/8°(22.23mm) 1-3/16°(30.17mm) 3/8°(9.53mm) 7/8°(22.23mm) 3/8°(9.53mm) 7/8°(22.23mm) 7/8°(22.23mm) 7/8°(22.23mm)	0.075"(1.905mm) 0.075"(1.905mm) 0.150"(2.286mm) 0.150"(3.81mm) 0.075"(1.905mm) 0.090"(2.286mm) 0.075"(1.905mm) 0.075"(1.905mm) 0.075"(1.905mm)
Preumatic Notchers and Interchangeable Heads Vinyl Fence Pneumatic/Air	MW-1/4VFN-PI-L MW-1/2VFN-PI MW-3/4VFN-P MW-1/4+1/2VFN-PI MW-1/4+1/2VFN-PI MW-1/4VFNPIHL MW-1/2VFNPIHL MW-7/2VFNPIH	55002-6 55003-3 55005-7 55004-0 55070-5 55071-2 55072-9 50014-4	NA NA NA NA NA NA	1 1 1 1 1 1 1 1 1	1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) 3/4"(19.05mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) fits 1/4" NPT	3/8°(9.53mm) 7/8°(22.23mm) 7/8°(22.23mm) 1-3/16°(30.17mm) 3/8°(9.53mm) 7/8°(22.23mm) 3/8°(9.53mm) 7/8°(22.23mm)	0.075"(1.905mm) 0.075"(1.905mm) 0.150"(2.286mm) 0.150"(3.81mm) 0.075"(1.905mm) 0.075"(1.905mm) 0.075"(1.905mm)
Preumatic Notchers and Interchangeable Heads Vinyl Fence Pneumatic/Air Tool Holders Pneumatic	MW-1/4VFN-PI-L MW-1/2VFN-PI MW-3/4VFN-P MW-1/4+1/2VFN-PI MW-1/4+1/2VFNPIH MW-1/4VFNPIHL MW-1/2VFNPIH MW-ATH14 MW-ATH38	55002-6 55003-3 55005-7 55004-0 55070-5 55070-5 55072-9 50014-4 50015-1	NA NA NA NA NA S 3 3	1 1 1 1 1 1 1 1 8 18	1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) 3/4"(19.05mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/4"(6.35mm) 1/2"(12.7mm) fits 1/4" NPT fits 3/8" NPT	3/8°(9.53mm) 7/8°(22.23mm) 7/8°(22.23mm) 1-3/16°(30.17mm) 3/8°(9.53mm) 7/8°(22.23mm) 7/8°(22.23mm) 7/8°(22.23mm) 7/8°(22.23mm)	0.075°(1.905mm) 0.075°(1.905mm) 0.150°(2.286mm) 0.075°(1.905mm) 0.075°(1.905mm) 0.075°(1.905mm) 0.075°(1.905mm) 0.075°(1.905mm) 0.090°(2.286mm)

	MW-R-78-P	55041-5	NA	1	Rivet Size 3/16" x 7/8"	Color plain	Rivet Size aluminum trifold
<b>Rivets</b>	MW-R-78-W	55042-2	NA	1	3/16" x 7/8"	white	aluminum trifold
	MW-R-10-P	55043-9	NA	1	3/16" x 1"	plain	aluminum trifold
	MW-R-10-W	55044-6	NA	1	3/16" x 1"	white	aluminum trifold

Aluminum Fence Nibbler	<b>Model No.</b> MW-ALFN	UPC Code 7-27226 55020-0	Cutting Width Per Stroke L&&"(1&51mm)	Cutting Depth Per Stroke 0.125"(3.175mm)	Wall Thickness Capacity 0.080°(2.032mm) aluminum
Aluminum Fence Notchers	MW-1/4AFN MW-1/4X7/8AFN	55074-3 55075-0	<b>Snap Lock Tab Width</b> 1/4"(6.35mm) 1/4"(6.35mm)	Throat Depth 9/16"(14.31mm) 7/8"(22.23mm)	0.080"(2.032mm) aluminum 0.080"(2.032mm) aluminum
Aluminum Fence Rail End Clipper Handles Only	MW-ALREC-I	55021-7	Requires interchangeable	e head from list below spec	tific to fence brand and type/model.

	Model No.	UPC Code 7-27226	Fence Brand	Fence Type	Notch Cut Dimension (HxL)
	MW-ALREC-IA	55024-8	Delgard	Residential	3/16"(4.77mm) x 3/4"(19.05mm)
	MW-ALREC-IA	55024-8	Jerith	Residential	3/16"(4.77mm) x 3/4"(19.05mm)
	MW-ALREC-IB	55025-5	Delgard	Commercial	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IB	55025-5	Elite	Residential	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IB	55025-5	OnGuard	Residential	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IB	55025-5	OnGuard	Commercial	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IB	55025-5	SpecRail	Residential	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IC	55026-2	Ideal	Residential	3/16"(4.7mm) x 3/4"(19.05mm)
	MW-ALREC-ID2	55027-9	Ideal	Commercial	3/4"(4.77mm) x 3/4"(4.77mm)
	MW-ALREC-ID2	55027-9	Jerith	Commercial	3/4"(4.77mm) x 3/4"(4.77mm)
	MW-ALREC-IE	55029-3	Elite	Industrial	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IE	55029-3	Jerith	Industrial	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IE	55029-3	SpecRail	Industrial	1/4"(6.35mm) x 3/4"(19.05mm)
Aluminum Fence	MW-ALREC-IE	55029-3	Ultra	Commercial	1/4"(6.35mm) x 3/4"(19.05mm)
Rail End Clipper	MW-ALREC-IE	55029-3	Ultra	Industrial	1/4"(6.35mm) x 3/4"(19.05mm)
Heads Only	MW-ALREC-IF	55030-9	American	Residential	1/4"(6.35mm) x 3/4"(19.05mm)
US Patent 7637017	MW-ALREC-IF	55030-9	Delgard	Aero	1/4"(6.35mm) x 3/4"(19.05mm)
NOTE: All clipper heads	MW-ALREC-IG	55031-6	Ideal	Industrial	3/8"(9.53mm) x 3/4"(19.05mm)
require	MW-ALREC-IH	55032-3	AlumiGuard	Industrial	3/8"(9.53mm) x 3/4"(19.05mm)
handles MW-ALREC-I.	MW-ALREC-IJ	55033-0	AlumiGuard	Municipal	1/4"(6.35mm) x 3/4"(19.05mm)
All heads are	MW-ALREC-IJ	55033-0	Royal	Residential	1/4"(6.35mm) x 3/4"(19.05mm)
interchangeable in	MW-ALREC-IJ	55033-0	Royal	Commercial	1/4"(6.35mm) x 3/4"(19.05mm)
handles MW-ALREC-I.	MW-ALREC-IJ	55033-0	SpecRail	Commercial	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IJ	55033-0	SpecRail	Commercial	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IK	55034-7	Delgard	Resi/Aero	3/16"(4.77mm) x 3/4"(19.05mm)
	MW-ALREC-IL	55035-4	Elite	Commercial	1"(25.4mm) x 3/8"(9.53mm)
	MW-ALREC-IM	55036-1	Merchants Metal	VSP	(cuts step and punches hole)
	MW-ALREC-IN	55037-8	American	Commercial	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IO	55045-3	Ameristar Echelon	Residential	3/16"(4.77mm) x 3/4"(19.05mm)
	MW-ALREC-IR	55046-0	Radiance	Residential	1/8"(3.175mm) x 3/4"(19.05mm)
	MW-ALREC-IR	55046-0	Sentinel	Residential	1/8"(3.175mm) x 3/4"(19.05mm)
	MW-ALREC-IS	56064-3	Nat'l Fence Syst.	Residential	5/16"(7.95mm) x 3/4"(19.05mm)
	MW-ALREC-IT	56065-0	Nat'l Fence Syst.	Commercial	5/16"(7.95mm) x 3/4"(19.05mm)
	MW-ALREC-IU	55038-5	Ultra	Residential	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-IV	56066-7	Nat'l Fence Syst.	Industrial	5/16"(7.95mm) x 3/4"(19.05mm)
	MW-ALREC-IW	13037-2	AlumiGuard	Imperial	3/8"(9.53mm) x 3/4"(19.05mm)
	MW-ALREC-IX	13038-9	AlumiGuard	Residential/Commercial	1/4"(6.35mm) x 3/4"(19.05mm)
	MW-ALREC-DHP	55028-6	Digger	(hole punch)	(hole punch head)

NOTE: Fence brand and model profiles are specific to the rail clipper head even though notch dimension may be the same. (Example: An MW-ALREC-IB and an MW-ALREC-IF clip the same dimension notch cut, however each is designed for a different fence profile.)



#### FENCE LAYOUT ACCESSORIES



#### Shelf Pk Qty. 4 Master Carton Qty. 16

MW-CBCLMP Cable Clamp

Cast malleable iron with 1000 lb. pull capacity up to 5/16" (8.0mm) diameter cable. Cam action ensures tight lock. Spring-loaded with large eyehole for guick connect to com-a-long. Zinc plating resists rust. Made in Taiwan. UPC: 7 27226 55017 0



#### Master Carton Qty. 1

1/8" (3.2mm) diameter steel cable on shatter and temperature resistant thermoplastic reel. Hand slide mechanism and swivel handle re-winds marking cable quickly and easily. Cables marked for 5"(127.0mm) post width on 8'(2.4m) centers. Assembled in USA.

250'(76.25m) Steel Marking Cable - MW-SMC250 UPC: 7 27226 55015 6 500'(152.5m) Steel Marking Cable - MW-SMC500 UPC: 7 27226 55016 3

**RIVETS** 



### **STANDARD MANUAL RIVET GUN MODEL**



## Master Carton Qty. 1

#### 4 Tip Manual Rivet Gun - MW-HP2

Four interchangeable nosepieces for 3/32" (2.37mm), 1/8" (3.175mm), 5/32" (3.95mm), and 3/16" (4.77mm) diameter aluminum, copper, steel, or stainless steel rivets. Heavy-duty model. Molded grips comfort user's hand. UPC: 7 27226 50038 0

### **ALUMINUM TRIFOLD RIVETS**



Master Carton Qty. 1 500 Count

Low shear aluminum trifold type rivets require less than 500 pounds pull strength. Stocked in plain and white. Other colors available upon request.

3/16"x1" Aluminum Rivets - Plain - MW-R-10-P UPC: 7 27226 55043 9 3/16"x1" Aluminum Rivets - White - MW-R-10-W UPC · 7 27226 55044 6

#### MANUAL





#### MW-41001 10.0 fl.oz. / 7:1 Wexford® Steel Caulk Gun Use for low to medium viscosity materials. Wear compensating device. Retractable seal puncturing device. Metal with epoxy finish. Hex drive rod. Built-in ladder hook. Steel

catch plate. Made in UK. UPC: 7 27226 50062 5



#### Use for low to medium viscosity materials. Retractable seal puncturing device. Corrosion resistant. Hex drive rod. Built-in ladder hook. Steel catch plate. Automatic dripless feature. Made in UK. UPC: 7 27226 50063 2

MW-21001 10.0 fl.oz. / 7:1 Wexford II® Nylon Fiberglass Caulk Gun



MW-41004 10.0 fl.oz. / 12:1 Chilton® Steel Caulk Gun Use for medium to high viscosity. Rotating barrel for corners. Wear compensating device. Patented sintered steel catch plate. Built-in ladder hook. High volume usage. Thumb activated instant pressure release. Made in USA\_UPC • 7 27226 50065 6

7	Cies:
MW-41004XT	

#### MW-41004XT 10.0 fl.oz. / 18:1 Chilton® Steel Caulk Gun

Extra thrust. Use for high viscosity materials. Wear compensating device. Built-in ladder hook. Patented sintered steel catch plate. Barrel turns for corners. Medium- high viscosity materials. Thumb activated instant pressure release. Made in USA. UPC: 7 27226 50066 3

#### **KNIFE & KNIFE BLADES**

UPC: 7 27226 50044 1

UPC: 7 27226 50045 8 Heavy-duty. 0.025" (0.63mm) thick steel.

Made in USA

**CAULK GUNS** 

#### **RETRACTABLE KNIFE**



#### MW-RO1 Retractable Knife

Heavy-duty die cast handle with comfortable grip. Design prevents blade from pushing up through handle under extreme pressure. Spring-loaded thumb switch adjusts blades to four cutting positions and retracts for safe locking. Includes three blades. Made in USA UPC · 7 27226 50043 4

#### **REGULAR BLADES**

HADE IN

NADE IN





MW-2SQH5 5 Pack Hook (Square Hole) Blades UPC: 7 27226 50046 5 MW-2SQH100 100 Pack Hook (Square Hole) Blades UPC: 7 27226 50047 2 Heavy-duty .025" (0.635mm) thick steel. Made in USA

MW-2SB5 5 Pack Standard Utility Blades

MW-2SB50 50 Pack Standard Utility Blades

MW-2SOH5

MW-2585





HOOK BLADES



#### Saw Blades



MW-RB65058

MW-RB618

#### MW-RB65058 6" / 6TPI Demolition Blade UPC: 7 27226 56014 8

MW-RB618 6" / 18TPI Heavy Gauge Sheet Metal Blade UPC: 7 27226 56015 5

MW-RB624 6" / 24TPI Light Gauge Sheet Metal Blade UPC: 7 27226 56016 2

Extra tough. Fits all reciprocating saws. 8% cobalt edge offers more wear resistance. Made in USA.



## **MW-100397** Titanium Carbide Tipped Saw Blade 7 1/4"(184mm) Titanium Carbide Tipped Saw Blade for cutting

Thin Steel. Made in USA. UPC: 7 27226 56017 9



#### MW-26370 Steel Plywood Saw Blade 7 1/4"(184mm) Titanium Carbide Tipped Saw Blade for cutting Thin Steel. Made in USA. UPC: 7 27226 56018 6



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#### **Drill Bits & Jobbers**

1/8" x 2" Double Ender Drill Bit - MW-DE18 Black oxide coated. Utilize both ends. 118 point starts drilling immediately. UPC: 7 27226 56001 8

1/8" x 2-3/4" Jobber Drill Bit - MW-FJ 18 Black oxide coated. Heavy-duty M1 through-hardened tool steel UPC: 7 27226 56004 9

#### #30 x 2" Double Ender Drill Bit - MW-DE30 Statement Street Street drilling immediately.

Black oxide coated. Utilize both ends. 118 point starts UPC: 7 27226 56002 5

#### Tools

Handle

Handle







#### Nail Puller - MW-NP12G 12" Nail Puller UPC: 7 27226 50034 2



#### 6 in 1 Screwdriver - MW-R6N1 6 in 1 Screwdriver UPC: 7 27226 50039 7

#### **Measuring Tools**



#### 30' Retracting Measuring Tape - MW-RC130

High quality tape measure with impact resistant chrome case, yellow blade with graduated red and black 1/16" increments and stud marks 16" apart. Durable steel blade has self-adjusting notched end, nail hole slot, locking mechanism and belt clip. UPC: 7 27226 50030 4



#### 100' Neon Measuring Tape - MW-R100P

3/8" (9.5mm)tape width in 1/8" measuring units. Closed reel handwind in tough ABS plastic case. Thick steel blade with epoxy polycoat. Meets or exceeds GSA specifications. Made in USA. UPC: 7 27226 50027 4



Superbar 15" - MW-B215

16 oz. Hammer - MW-FS99

16 oz. Claw Hammer w/ Fiberglass

20 oz. Hammer - MW-FS999 20 oz. Claw Hammer w/ Fiberglass

15" (381.0mm) Pry Bar UPC: 7 27226 50032 8

UPC: 7 27226 50035 9

UPC: 7 27226 50036 6



#### **Strap and Band Cutting**

Shelf Pk	Qty.	6	Master Carton	Qty.	36		Shelf Pk Q	ty.	1	Master Carton (	)ty.	4
	• Us • Cu • Bo • St • No	VT-e se in uts S otton ceel S omin	<b>cutter</b> 5510U Left Hand iteel, Nylon, n blade wed Strapping up al Length : 27226 13121	ge to 3 10.0"	/4"			Br BB S S Stra	eak 1 trap trap trap	s ng up to 2" gth : 19 .0"(482	2.6m	ım)

#### **Cable Cutter**

Shelf Pk Qty. 3 Master Carton Qty. 18



#### **Cable Cutter MWT-6300**

• Use in either hand

- Compound leverage handle action.
- Use to cut wire rope cable, spring hardened wire, mild steel rod

• Cuts hardened round diameter materials up to 5/32" (4mm) • Nominal Length : 9.0"(228.6mm)

UPC: 7 27226 63100 8





STAINLESS WIRE ROPE SPRING/HARD WIRE MILD STEEL ROD

Up to 1/8" (3.175mm) Up to 3/32" (2.4mm) Up to 1/8" (3.175mm)

	Model No.	UPC Code 7-27226	Shelf Pack Qty.	Master Carton Qty.			
Fence	MW-CBCLMP	55017-0	4	16			
Layout Tools	MW-SMC250	55015-6	N/A	1			
	MW-SMC500	55016-3	N/A	1			
Manual Rivet Gun	MW-HP2	55038-0	3	18	•••••	••••	
•••••	•••••	•••••	••••	•••••	Rivet Size	Color	Rivet Size
Rivets	MW-R-10-P	55043-9		1	3/16" x 1"	Plain	aluminum trifold
	MW-R-10-W	55044-6		1	3/16" x 1"	White	aluminum trifold
		• • • • • • •	• • • • •		• • • • • • • •	• • • •	
Manual	MW-41001	50062-5	3	12			
Caulk Guns	MW-21001	50063-2	3	12			
	MW-41004	50065-6	2	6			
	MW-41004XT	50066-3	2	6			
		• • • • • • •	• • • • •			• • • •	
Knife &	MW-R01	50043-4	10	1			
Knife Blades	MW-2SB5	50044-1	10	1			
	MW-2SB50	50045-8	6	1			
	MW-2SQH5	50046-5	10	1			
	MW-2SQH100	50047-2	6	1			
•••••		•••••	••••	•••••	•••••	••••	•••••••••••••••••••••••••••••••••••••••
Saw Blades	MW-RB65058	56014-8	3	18			
	MW-RB618	56015-5	3	18			
	MW-RB624	56016-2	3	18			
	MW-100397	56017-9					
	MW-26370	56018-6					

					Туре	Diameter	Length
Drill Bits	MW-DE18	56001-8	3	18	Double-Ender	1/8" (3.18mm)	2" (50.8mm)
& Jobbers	MW-FJ18	56004-9	3	18	Jobber	1/8" (3.18mm)	2-3/4" (69.85mm)
	MW-DE30	56002-5	3	18	Double-Ender	#30-0.1285"(3.26mm)	2" (50.8mm)
•••••	MW-B215	50032-8	3	18	•••••	•••••	
Tools	MW-FS99	50035-9	3	18			
	MW-FS999	50036-6	3	18			
	MW-NP12G	50034-2					
	MW-R6N1	50039-7					
	MW-RC130	50030-4					
easuring Tools	MW-R100P	50027-4					
•••••			• • • •				• • • • • • • • • • • • • • • • • • • •
Strap & Band	MWT-6510U	13121-8	3	18			
Cutting	MWT-BB1	13120-1	3	18			
Cable Cutter	MWT-6300	63100-8	3		•••••	•••••	•••••••••••••••••••••••••••••••••••••••



MAM-1021         MAM-1021         S4         MAM-1021         M	MIDWEST								PART NUMBER	QUICK RE
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INV-10397MM-3024PWSMM-3056AfMM-4056AfMM-40747.68NoNoMM-3050BMM-101210S4MM-A142MM-P126BSMM-F471.6815MM-751.9BMM-1112787NG7MM-41M42MM-P126BSMM-F471.6813MM-751.98BMM-1112787NG7MM-41BC-0H79MM-R10PBSMM-F471.6813MM-751.98BMM-1210S4MM-41BC-0H79MM-R10PB2MM-F67520MM-751.98BMM-1210S4MM-44BC-0H79MM-R10PB2MM-7675.020MM-75.98BMM-12010S4MM-44BC-0H79MM-81.0PB2MM-7600.0017MM-75.90BMM-12010S4MM-44BC-0H79MM-81.0PB2MM-7600.0017MM-75.90BMM-20270S4MM-44BC-0H79MM-82.0P73MM-777023MM-75.80BMM-2350100S4MM-44BC-0H79MM-82.0P73MM-74.2424MM-75.80BMM-2350100S4MM-44BC-0H79MM-82.0P73MM-74.2424MM-75.80BMM-2350100S4MM-44BC-0H79MM-82.0P73MM-74.2474MM-75.80BMM-2350100S4MM-44BC-0H79MM-82.0P73MM-74.2474MM-75.80BMM-2350100S4MM-44BC-0H79			MW-8X3450		MW-HP2		MWT-6716A		MWT-S059 35	
MAN-LOX 210SAMAV-ARC 3MAV-ARC 4SFMAV-F126SFMAV-F126SFMAV-F126SFMAV-F126SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F128SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127SFMAV-F127MAV			MW-8X34PW5		MW-LSG	the second se				
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MW4-1-TYVFRNR         O/V         MW4-AIP         P/V         MW4-R0P         B3         MW1-6716         B3         MW1-5158         B3           MW1-120         S4         MW4-ABEC-AU         P/V         MW4-R0P         B3         MW1-6750         2         MW1-5158         B3           MW1-120         S4         MW4-ABEC-AU         P/V         MW4-R0P         B2         MW1-6750         2         MW1-5158         B3           MW1-120         S4         MW4-ABEC-AU         P/V         MW4-R0P         B2         MW1-6750         20         MW1-556         B3           MW22001         S3         MW4-ABEC-AU         P/V         MW4-R0P         P3         MW4-R0P         P3         MW1-6900K         17         MW1-556         B3           MW2205         S3         MW4-ABEC-AU         P9         MW4-R0P         P3         MW1-6900K         P3         MW1-556         B3         MW1-556         B3         MW1-556         B3         MW1-800K         P3         MW1-556         B3         <			MW-A1		MW-NP12G		MWT-6716L			
MW-112VFRN-R1 MV-14PC-DPRFMV-A1RPC-APPFMV-A1RPC-APPFMV-A1RPC-APPFMV-A1RPC-APPFMV-A1RPC-APPFMV-A1RPC-APPFMV-A1RPC-APPFMV-A1RPC-APPFMV-A1RPC-APPFMV-A1RPC-APPFMV-A1RPC-APPFFMV-A1RPC-APPFFF			MW-ALFN		MW-R01		MWT-6716R			
NM-1210NM-ALRECIA79NM-R-10P73NM-Te7S20NM-TSS33NM-120064NM-ALRECIA79NM-R-10P62NMT-59071NMT-52033NM-2100183NM-ALRECIC79NM-R-10P62NMT-690017NMT-53635NM-2100183NM-ALRECIC79NM-R-10P73NMT-690017NMT-55935NM-250784M-ALRECIC79NM-R0XP73NMT-690017NMT-55935NM-250883NM-ALRECIA79NM-R0XP73NMT-620073NMT-55935NM-250H0083NM-ALRECIA79NM-R0XP73NMT-62074NMT-55935NM-250H0083NM-ALRECIA79NM-R0XP73NMT-62074NMT-5591035NM-250H0083NM-ALRECIA79NM-R0XP84NMT-62074NMT-5591014NM-250H0083NM-ALRECIA79NM-R0XP84NMT-8010160NMT-5591014NM-250H0164NM-ALRECIA79NM-R0XP82NMT-8010161NMT-5591114NM-250H1064NM-ALRECIA79NMT-801082NMT-80101414NM-250H1064NM-ALRECIA79NMT-801082NMT-8010141414NM-250H1064NM-ALRECIA79NMT-107023NMT-801014 <t< td=""><td></td><td></td><td>MW-ALREC-DHP</td><td></td><td>MW-R100P</td><td>85</td><td>MWT-6716S</td><td>13</td><td>MWT-S15BK 35</td><td></td></t<>			MW-ALREC-DHP		MW-R100P	85	MWT-6716S	13	MWT-S15BK 35	
NM-1275NM-ALREC-R79NM-R1-0-P82NM-T-675070NM-T-52633NM-2010183NM-ALREC-R79NM-R1-0-W82NMT-690017NMT-55035NM-2637084NM-ALREC-R79NM-R62KP73NMT-690017NMT-55K35NM-2637084NM-ALREC-R79NM-R62KP73NMT-690017NMT-55K35NM-255083NM-ALREC-R79NM-R62KP73NMT-75K23NMT-55K36NM-255016083NM-ALREC-R79NM-R62KP73NMT-75K23NMT-55K36NM-250H5083NM-ALREC-R79NM-R62KP73NMT-75KP36NMT-55KF36NM-250H583NM-ALREC-R79NM-R62KP82NMT-81LDKT0760NMT-55KF36NM-250H583NM-ALREC-R79NM-R62KP82NMT-81LDKT0761NMT-55KF36NM-247KN-R69NM-ALREC-R79NMT-50K82NMT-81LDKT0761NMT-55KF36NM-347KN-R69NM-ALREC-R79NMT-50K82NMT-75K41NMT-55KF36NM-447KN-R69NM-ALREC-R79NMT-10K70NMT-67K37NMT-55KF36NM-447KN-R69NMT-ALREC-R79NMT-10K70NMT-55KF36NMT-55KF36NM-447KN-R69NMT-10K79NMT-10K </td <td></td> <td></td> <td>MW-ALREC-IA</td> <td></td> <td>MW-R-10-P</td> <td>73</td> <td>MWT-67S</td> <td>20</td> <td>MWT-S1BK 33</td> <td></td>			MW-ALREC-IA		MW-R-10-P	73	MWT-67S	20	MWT-S1BK 33	
MW-12DUBMW-ALREC-CC79MW-R-10-W73MW-T-50071MW-T-55033MW-210784MW-ALREC-D279MW-R-20X073MWT-69D077MWT-55035MW-255583MW-ALREC-L779MW-R-8185MWT-7223MWT-550K33MW-250784MW-ALREC-L779MW-R-8187MWT-7223MWT-55K33MW-250783MW-ALREC-L779MW-R-8187MWT-8223MWT-55K35MW-250784MW-ALREC-L779MW-R-8184MWT-8186MWT-55K35MW-250784MW-ALREC-L779MW-R-8584MWT-81DLKT060MWT-55K1K14MW-2VTRN-R065MW-ALREC-L779MW-R-8582MWT-1061MWT-55K1K14MW-30VFN-R165MW-ALREC-L779MW-10223MWT-1061MWT-55K1K14MW-30VFN-R165MW-ALREC-L779MWT-10223MWT-1070MWT-55K1K14MW-400484MW-ALREC-L779MWT-10223MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270MWT-10270<			MW-ALREC-IB	79	MW-R-10-P	82	MWT-67SD	20	MWT-S2 33	
NW21001NW-ALRC-DQ79NW-4P-10-W82NWT-6900R71NWT-S535NW-2637084NW-ALRC-DQ79NWAR62X6P73NMT-75023NMT-S5K135NW-255083NW-ALRC-L79NW-R7-PP73NMT-77023NMT-S6K133NW-25010084NW-ALRC-L79NW-R61184NWT-22NMT-56K133NW-25015083NW-ALRC-L79NW-R62484NWT-8266NWT-59K135NW-2VFRN67NW-ALRC-L79NW-R62484NWT-8ULNT0060NWT-59K135NW-2VFRN67NW-ALRC-L79NW-R6250884NWT-8ULNT0061NWT-59K114NW-2VFRN67NW-ALRC-L79NW-R6250882NWT-8ULNT0061NWT-59K114NW-2VFRN67NW-ALRC-L79NW-R6250882NWT-8ULNT0061NWT-59K114NW-2VFN69NW-ALRC-L79NWT-1082NWT-1061NWT-55K114NW-3VFNF169NW-ALRC-L79NWT-1023NWT-1083NWT-55K114NW-100483NW-ALRC-L79NWT-1023NWT-1283NWT-15K13514NW-100484NW-ALRC-L79NWT-1024NWT-1284NWT-15K13514NW-202884NW-ALRC-L79NWT-1027NWT-10			MW-ALREC-IC	79	MW-R-10-W	73	MWT-6900L	17	MWT-S36 33	
NW-2637084NW-ALRC-IPC79NW-R6X1673NVM-F6H77NVM-F6H77NVM-F6H77NVM-F5H73NW-2385083NW-ALRC-IRC79NW-R6N185NUM-T7C23NVM-T5G33NW-25910083NW-ALRC-IRC79NW-R6N174NVM-T6H7212NVM-T5G33NW-25015083MW-ALRC-IRC79NW-R62484NVT-R4U74NVM-T5G34NW-20FRN67MW-ALRC-IRC79NW-R62484NVT-R4U74NVT-S951014NW-20FRN67MW-ALRC-IRC79NW-R62484NVT-BULDKIT0160NVT-S951014NW-20FRN67MW-ALRC-IRC79NW-R62484NVT-BULDKIT0160NVT-S951014NW-20FRN67MW-ALRC-IRC79NW-R62484NVT-BULDKIT0160NVT-S951014NW-20FRN67MW-ALRC-IRC79NW-R62484NVT-BULDKIT016114 <t< td=""><td></td><td></td><td>MW-ALREC-ID</td><td></td><td>MW-R-10-W</td><td></td><td>MWT-6900R</td><td>17</td><td>MWT-S5 35</td><td></td></t<>			MW-ALREC-ID		MW-R-10-W		MWT-6900R	17	MWT-S5 35	
NW-25B583NW-AREC-IE79NW-RN185NW-77D032NWT-55BX33MW-25QH0083NW-AREC-IE79NM-R-78-W73NWT-87S23NWT-55BX33MW-25QH5083MW-AREC-IE79MW-R61884NWT-18160NWT-5935MW-25QH567MW-AREC-IE79MW-R61884NWT-18160NWT-5935MW-25QH567MW-AREC-IE79MW-R650884NWT-181LDK10360NWT-556510E14MW-304VFN-PI67MW-AREC-IE79MW-R050082NWT-181LDK10361NWT-556510E14MW-304VFN-PI69MW-AREC-IE79MW-R050082NWT-181LDK10361NWT-556510E14MW-304VFN-PI69MW-AREC-IE79MWT-10023NWT-12081MWT-556510E14MW-4100483MW-AREC-IE79MWT-10023MWT-1281MWT-151E31MW-4100483MW-AREC-IE79MWT-10074MWT-1274MWT-1231MWT-1231MWT-1231			MW-ALREC-ID2	79	MW-R62X6P	73	MWT-6HB	37	MWT-S59 35	
NW-2585083NM-ALREC-IF79NM-A-78-W73NMT-8723NMT-5633MW-25QH10083NM-ALREC-IF79NM-A-78-W73NMT-8186NMT-5633MW-25QH15083NM-ALREC-IF79NM-R61384NMT-8UL66NMT-596K35MW-2VFRN67MM-ALREC-IF79NM-R62484NMT-8ULDKIT0160NMT-596K035MW-34VFN65MM-ALREC-IF79NM-R625082NMT-8ULDKIT0261NMT-556716114MW-34VFN-RI66MM-ALREC-IF79NM-SC5082NMT-8ULDKIT0261NMT-556716114MW-34VFN-RI69MM-ALREC-IF79NM-ST6032NMT-10737NMT-5514MW-34VFN-RI69MM-ALREC-IF79NMT-10723NMT-10737NMT-5138MW-4100483MM-ALREC-IF79NMT-10727NMT-10737NMT-10734MW-4100483MM-ALREC-IF79NMT-1200K27.48NMT-HVACKIT050MT-104MW-6X38PV1054MM-ALREC-IF79NMT-1205K23.48NMT-HVACKIT050MT-104MW-6X38PV1054MM-ALREC-IF79MT-1205K27.48MT-HVACKIT050MT-104MW-702B64MM-ALREC-IF79MT-1205K27.48MT-HVACKIT050MT-104MW-712F75			MW-ALREC-IE		MW-R6N1		MWT-77D		MWT-S5BK 35	
NW-2SQH10083MW-AREC-IG79MW-R-78.W73MW-T-20.WMW-T-20.W73MWT-58.C35MW-2VFRN67MW-AREC-IU79MW-R865084MWT-Bull MWT-Bull MCT60MWT-S98.L37MW-2VFRNA67MW-AREC-IK79MW-R865084MWT-Bull MLT60MWT-SS6510.14MW-34VFN65MW-AREC-IK79MW-R850082MWT-Bull MLT61MWT-SS6510.14MW-34VFN69MW-AREC-IK79MW-S0C50082MWT-Bull MLT81MWT-SS6716.14MW-34VFN-PI69MW-AREC-IK79MVT-10223MWT-DVS.L64MWT-SS6716.14MW-4100483MW-AREC-IK79MVT-10223MWT-DVS.L643838MW-41004XT84MW-AREC-IK79MVT-10227MWT-DVS.L74MVT-TND38MW-41004XT84MW-AREC-IK79MVT-12074MVT-HVACKITO58MVT-TND46MW-41004XT54MW-AREC-IK79MVT-12074MVT-HVACKITO58MVT-TND45MW-638PW1054MW-AREC-IK79MVT-12074MVT-HVACKITO58MVT-TND45MW-638PW1054MW-AREC-IK79MVT-12074MVT-HVACKITO50MVT-TND45MW-638PW1054MW-AREC-IK79MVT-12074MVT-HVACKITO50MVT-TND45			MW-ALREC-IF		MW-R-78-P		MWT-87S		MWT-S6 33	
NW-2SQH583MW-AREC-IH79MW-Re52484MWT-B186MWT-59675MW-2VFRN-R67MW-AREC-IK79MW-Re506884MWT-BULKTO160MWT-59510.014MW-3VFN-R163MW-AREC-IK79MW-SM250082MWT-BULKTO361MWT-5956108.114MW-34VFN-R169MW-AREC-IK79MW-SM250082MWT-15ULKTO361MWT-5956168.114MW-34VFN-R163MW-AREC-IM79MW-SM250082MWT-12ULKTO364MWT-5956168.114MW-34VFN-R163MW-AREC-IM79MWT-1023MWT-12ULKTO364MWT-5957168.114MW-4100483MW-AREC-IM79MWT-12023MWT-12ULKTO364MWT-5238MW-41004X183MW-AREC-IM79MWT-120RW27MWT-12ULKTO384MWT-12ULKTO384MWT-12ULKTO384MW-638PW1054MW-AREC-IM79MWT-120RW27MWT-14ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384MWT-17ULKTO384			MW-ALREC-IG	79	MW-R-78-W	73	MWT-A2	42	MWT-S6BK 33	
NW-2VFRN MW-2VFRN-RJ67MW-AREC-1U79MW-RB62484MWT-BULDKT0160MWT-S95K35MW-3VEVR-NF167MW-AREC-1K79MW-SNC25082MWT-BULDKT0361MWT-SS6510R14MW-3/4VFN-P169MW-AREC-1M79MW-SNC25082MWT-CT41MWT-SS6716R14MW-3/4VFN-P165MW-AREC-1M79MW-510223MWT-CT45MWT-SS6716R14MW-4100483MW-AREC-1R79MWT-107D23MWT-1737MWT-ST3138MW-4100483MW-AREC-1R79MWT-102OR27MWT-1237MWT-ST3138MW-4100483MW-AREC-1W79MWT-1200R27MWT-140CHT058MWT-TP0161MW-6X38PW1054MW-AREC-1W79MWT-1200R27MWT-140CHT058MWT-TP0251MW-6X38PW1054MW-AREC-1W79MWT-1200R27MWT-140CHT058MWT-TP0251MW-78VFPN-R167MW-AREC-1W79MWT-1200R27MWT-140CHT058MWT-TP0251MW-78VFPN-R167MW-AREC-1W79MWT-1200R27MWT-140CHT051MWT-TP0251MW-78VFPN-R167MW-AREC-1W79MWT-120S23MWT-140CHT051MWT-TP0251MW-78VFPN-R167MW-AREC-1W79MWT-120S23MWT-140CHT051MWT-TP02			MW-ALREC-IH	79	MW-RB618	84	MWT-BB1	86	MWT-S9 35	
NMV-2VFRN-R167MVW-ALREC-IK79MVW-RBSOBSE84MVM-FULDKITO260MVM-TSS6510L14MVM-34VFN-PI65MVW-ALREC-IM79MVW-SMC25082MVM-TBULDKITO261MVM-SS65116L14MVM-34VFN-PI65MVW-ALREC-IM79MVM-SMC25082MVM-TCT41MVT-SS6716L14MVM-34VFN-PI65MVM-ALREC-IM79MVM-T0723MVM-TCT45MVM-ST46MVM-100483MVM-ALREC-IS79MVT-107S23MVM-T277MVT-ST37MVT-ST38MVM-41004XT84MVM-ALREC-IS79MVT-100R27MVT-120MVT-12077MVT-12074MVT-12074MVT-12074MVT-1115MVT-11046MVM-78VFPN67MVM-ALREC-IV79MVT-1200RV27MVT-14VCKITO58MVT-11046MVM-78VFPN67MVM-ALREC-IV79MVT-1200RV27MVT-14VCKITO58MVT-11046MVM-78VFPN67MVM-ALREC-IV79MVT-1200RV27MVT-14VCKITO58MVT-11047MVM-78VFPN67MVM-ALREC-IV79MVT-1200RV23MVT-14VCKITO58MVT-11047MVM-78VFPN67MVM-ALREC-IV79MVT-120FV23MVT-14VCKITO58MVT-11047MVM-78VFPN67MVM-ALREC-IV79MVT-120FV23MVT-110MVT-110MVT-	MW-2VFRN		MW-ALREC-IJ	79	MW-RB624	84	MWT-BULDKITC	1 60	MWT-S9BK 35	
MW-3AVTN-P         60         MW-ALREC-IN         79         MW-S000         82         MWT-CS         61         MWT-S56716         14           MW-3/4VFN-RJ         65         MW-ALREC-IN         79         MWT102         82         MWT-CS         45         MWT-S56716         14           MW-3/4VFN-RJ         65         MW-ALREC-IN         79         MWT107         23         MWT-CT         45         MWT-ST         46           MW-41004         83         MW-ALREC-IS         79         MWT107         23         MWT-F12         37         MWT-ST         38           MW-41004XT         83         MW-ALREC-IT         79         MWT1200R         27         MWT-F2         37         MWT-ST         46           MW-6X38PW10         54         MW-ALREC-IV         79         MWT1200R         27         MWT-HVACKIT02         58         MWT-TND         46           MW-78VFPN         67         MW-ALREC-IW         79         MWT1200SV         27,48         MWT-HVACKIT02         58         MWT-NV         45           MW-7DVSPN-RJ         67         MW-ALREC-IX         79         MWT-127SV         23         MWT-HVACKIT02         58         MWT-NV         47	MW-2VFRN-RJ		MW-ALREC-IK	79	MW-RB65068	84	MWT-BULDKITC	2 60	MWT-SS6510L 14	
MW-3/4YFN-R1       65       MW-ALREC-IN       79       MW-T10       42       MWT-CT       45       MWT-SS6716R       14         MW-41001       83       MW-ALREC-IO       79       MWT-107D       23       MWT-DVSSL       46       MWT-ST       46         MW-41004       83       MW-ALREC-IR       79       MWT-107D       23       MWT-17       37       MWT-ST       38         MW-41004X       83       MW-ALREC-IR       79       MWT-1020       27       MWT-F1       37       MWT-ST       38         MW-6X38PW10       54       MW-ALREC-IT       79       MWT-1200RV       27       MWT-HVACKIT01       58       MWT-TND       46         MW-6X38PW10       54       MW-ALREC-IW       79       MWT-1200RV       27       MWT-HVACKIT01       58       MWT-TND       46         MW-78VFPN       67       MW-ALREC-IW       79       MWT-127D       23       MWT-HVACKIT01       58       MWT-TND       45         MW-78VFPN       67       MW-ALREC-IW       79       MWT-127D       23       MWT-HVACKIT01       58       MWT-10       47         MW-710VB       84       MW-ALREC-IW       79       MWT-127D       23       MWT-HVAC	MW-3/4VFN	65	MW-ALREC-IL	79	MW-SMC250	82	MWT-BULDKITC	3 61	MWT-SS6510R 14	
MW-41001         83         MW-ALREC-IO         79         MWT-107D         23         MWT-DVSSL         46         MWT-ST         46           MW-41004         83         MW-ALREC-IR         79         MWT-107S         23         MWT-11         37         MWT-ST         38           MW-41004XT         83         MW-ALREC-IS         79         MWT-1200         27         MWT-12         37         MWT-ST         38           MW-6X38PW10         54         MW-ALREC-IU         79         MWT-1200R         27         MWT-HVACKIT01         58         MWT-TP01         61           MW-6X38PW10         54         MW-ALREC-IV         79         MWT-1200RV         27         MWT-HVACKIT01         58         MWT-TP01         61           MW-6X38PW10         54         MW-ALREC-IV         79         MWT-1200RV         27,48         MWT-HVACKIT02         58         MWT-N         45           MW-7DUB         84         MW-ALREC-IV         79         MWT-1275         23         MWT-147CRT         59         MWT-N         45           MW-7DUB         84         MW-ALREC-IW         79         MWT-1275         23         MWT-151         50         MWT-10         10         MW-20	MW-3/4VFN-PI	69	MW-ALREC-IM	79	MW-SMC500	82	MWT-C5	41	MWT-SS6716L 14	
MW-41004       83       MW-ALREC-IR       79       MWT-107S       23       MWT-11       37       MWT-ST1       38         MW-41004XT       83       MW-ALREC-IS       79       MWT-1200       27       MWT-F2       37       MWT-ST2       38         MW-6X38PW1       54       MW-ALREC-IT       79       MWT-1200R       27       MWT-F2       37       MWT-ST2       38         MW-6X38PW10       54       MW-ALREC-IU       79       MWT-1200R       27       MWT-F4       57       MWT-TND       46         MW-6X38PW10       54       MW-ALREC-IU       79       MWT-1200RV       27       MWT-HVACKIT01       58       MWT-TP01       61         MW-778VFPN       67       MW-ALREC-IW       79       MWT-1200SV       27,48       MWT-HVACKIT02       58       MWT-TVN       45         MW-708VFPN-RJ       67       MW-ALREC-IW       79       MWT-127SV       23       MWT-HVACKIT03       59       MWT-VN       45         MW-7121       54       MW-ALREC-IW       79       MWT-127SV       48       MWT-14       70       MWT-147C       55       MW-ALREC-IW       74         MW-7X12PW10       54       MW-ALREC-IW       79 <th< td=""><td>MW-3/4VFN-RJ</td><td>65</td><td>MW-ALREC-IN</td><td>79</td><td>MW-T1</td><td>42</td><td>MWT-CT</td><td>45</td><td>MWT-SS6716R 14</td><td></td></th<>	MW-3/4VFN-RJ	65	MW-ALREC-IN	79	MW-T1	42	MWT-CT	45	MWT-SS6716R 14	
MW-410047       83       MW-ALREC-IS       79       MWT-120       27       MWT-F2       37       MWT-ST2       38         MW-6338PW1       54       MW-ALREC-IT       79       MWT-1200R       27       MWT-F3       37       MWT-ST2       38         MW-6538PW10       54       MW-ALREC-IU       79       MWT-1200RV       27       MWT-HVACKIT01       58       MWT-TP01       61         MW-7/8VFPN       67       MW-ALREC-IV       79       MWT-1200RV       27,48       MWT-HVACKIT02       58       MWT-TV02       50         MW-7/8VFPN-RJ       67       MW-ALREC-IV       79       MWT-127       23       MWT-HVACKIT03       59       MWT-VN       45         MW-70UB       84       MW-ALREC-IV       79       MWT-127       23       MWT-HVACKIT03       59       MWT-VN       47         MW-7121       54       MW-ALREC-IV       79       MWT-127       23       MWT-MT-MACKIT03       50       MWT-N       42         MW-7121       54       MW-ALREC-IV       79       MWT-127       23       MWT-MSH516       55       F       F       F       F       F       F       F       F       F       F       F       F <td>MW-41001</td> <td>83</td> <td>MW-ALREC-IO</td> <td>79</td> <td>MWT-107D</td> <td>23</td> <td>MWT-DVSSL</td> <td>46</td> <td>MWT-ST 46</td> <td></td>	MW-41001	83	MW-ALREC-IO	79	MWT-107D	23	MWT-DVSSL	46	MWT-ST 46	
MW-6X38PW10         54         MW-ALREC-IT         79         MWT-1200R         27         MWT-F3         37         MWT-TND         46           MW-6X38PW10         54         MW-ALREC-IU         79         MWT-1200RV         27         MWT-HXCKIT01         58         MWT-TD01         61           MW-78VFPN         67         MW-ALREC-IV         79         MWT-1200RV         27,48         MWT-HVACKIT02         58         MWT-VD2         50           MW-78VFPN-RJ         67         MW-ALREC-IW         79         MWT-127D         23         MWT-HVACKIT03         59         MWT-VN         45           MW-7121         54         MW-ATH14         70         MWT-127SV         48         MWT-MSH14         55         MW-X1         42           MW-7X12PW10         54         MW-ATH38         70         MWT-127SV         48         MWT-MSH14         55         MW-X1         42           MW-7X12PW10         54         MW-ATH38         70         MWT-147CBT         25         MWT-MSH516         55         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T         T	MW-41004	83	MW-ALREC-IR	79	MWT-107S	23	MWT-F1	37	MWT-ST1 38	
MW-6X38PW10       54       MW-ALREC-IU       79       MWT-1200RV       27       MWT-HVACKIT01       58       MWT-HP01       61         MW-78VFPN       67       MW-ALREC-IV       79       MWT-1200SV       27,48       MWT-HVACKIT02       58       MWT-HP02       50         MW-78VFPN-RJ       67       MW-ALREC-IW       79       MWT-127D       23       MWT-HVACKIT03       59       MWT-W       45         MW-7DUB       84       MW-ALREC-IX       79       MWT-127S       23       MWT-HVACKIT03       59       MWT-W       45         MW-7DUB       84       MW-ALREC-IX       79       MWT-127S       23       MWT-HVACKIT03       59       MWT-W       42         MW-7X121       54       MW-ALREC-IX       79       MWT-127S       23       MWT-HVACKIT03       55       MWT-W       42         MW-7X121       54       MW-ALREC-IX       79       MWT-127S       48       MWT-HVACKIT03       55       MW-X1       42         MW-7X12PW1       54       MW-8215       85       MWT-147CBT       25       MWT-MSH516       55       F       F       F       F       F       F       F       F       F       F       F <t< td=""><td>MW-41004XT</td><td>83</td><td>MW-ALREC-IS</td><td>79</td><td>MWT-1200</td><td>27</td><td>MWT-F2</td><td>37</td><td>MWT-ST2 38</td><td></td></t<>	MW-41004XT	83	MW-ALREC-IS	79	MWT-1200	27	MWT-F2	37	MWT-ST2 38	
MW-7/8VFPN       67       MW-ALREC-IV       79       MWT-120SV       27,48       MWT-HVACKITO3       59       MWT-TPO2       50         MW-7/8VFPN-RJ       67       MW-ALREC-IW       79       MWT-127D       23       MWT-HVACKITO3       59       MWT-TV0       45         MW-7/8VFPN-RJ       64       MW-ALREC-IX       79       MWT-127S       23       MWT-11       41       MW-VSP       47         MW-7X121       54       MW-ATH14       70       MWT-127SV       48       MWT-MSH14       55       MW-X1       42         MW-7X12PW10       54       MW-ATH38       70       MWT-147CBT       25       MWT-MSH14       55       MW-X1       42         MW-8X11225       54       MW-8EVFN       65       MWT-147CBT       25       MWT-MSH14       55       54       MW-8EVFN       65       MUT-167B       25       MWT-MSH14       55       54       MW-8EVFN       65       MUT-167B       27       MWT-MSH14       55       54       MW-8EVFN       65       MUT-167B       27       MWT-MSH14       55       54       MW-8EVFN       65       MUT-167B       27       MUT-167B       27       MWT-MSH14       55       MUT-15       16       56<	MW-6X38PW1	54	MW-ALREC-IT	79	MWT-1200R	27	MWT-F3	37	MWT-TND 46	
MW -7/8VFPN-RJ67MW-ALREC-IW79MWT-127D23MWT-HVACKIT0359MWT-VN45MW-7DUB84MW-ALREC-IX79MWT-127S23MWT-L141MW-VSP47MW-7X12154MW-ATH1470MWT-127SV48MWT-MSH1455MW-X142MW-7X12PW1054MW-ATH3870MWT-147C25MWT-MSH3855FFMW-8X1122554MW-BRVFN65MWT-167B25MWT-MSH51655FFFMW-8X1122554MW-CBCLMP82MWT-210027MWT-MSH14455FFFMW-8X112554MW-D142MWT-220027MWT-MSHL1455FFFFMW-8X12154MW-D242MWT-2210R27MWT-MSHL1455FFFFMW-8X12154MW-D242MWT-2210R27MWT-MSHL151655FFFFMW-8X12154MW-D242MWT-2210R27MWT-MSHL151655FFFFMW-8X12154MW-D242MWT-2210R27MWT-MSHL151655FFFFMW-8X12154MW-D242MWT-2210R27MWT-MSHL151655FFFFMW-8X12154MW-D242MWT-2210R7MWT-MSHL151655FFFF	MW-6X38PW10	54	MW-ALREC-IU	79	MWT-1200RV	27	MWT-HVACKIT	01 58	MWT-TP01 61	
MW-7DUB84MW-ALEC-IX79MWT-127S23MWT-L141MW-VSP47MW-7X12154MW-ATH1470MWT-127SV48MWT-MSH1455MW-X142MW-7X12PW1054MW-ATH3870MWT-147C25MWT-MSH3855	MW-7/8VFPN	67	MW-ALREC-IV	79	MWT-1200SV	27,48	MWT-HVACKIT	02 58	11111102	
NWV-7X12154MW-ATH1470MWT-127SV48MWT-MSH1455MW-X142MW-7X12PW1054MW-ATH3870MWT-147C25MWT-MSH385555565556 <td>MW-7/8VFPN-RJ</td> <td>67</td> <td>MW-ALREC-IW</td> <td>79</td> <td>MWT-127D</td> <td>23</td> <td>MWT-HVACKIT</td> <td></td> <td></td> <td></td>	MW-7/8VFPN-RJ	67	MW-ALREC-IW	79	MWT-127D	23	MWT-HVACKIT			
MW-7X12PW154MW-ATH3870MWT-147C25MWT-MSH3855MW-7X12PW1054MW-B21585MWT-147CBT25MWT-MSH51655MW-8X11222554MW-BRVFN65MWT-167B25MWT-MSHL1455MW-8X1122554MW-CBCLMP82MWT-211027MWT-MSHL3855MW-8X112554MW-D142MWT-220027MWT-MSHL1455MW-8X12154MW-D242MWT-2210R27MWT-MSHL1455MW-8X12154MW-D242MWT-2210R27MWT-MSHL151655	MW-7DUB	84	MW-ALREC-IX	79	MWT-127S	23	MWT-L1			
MW-7X12PW10       54       MW-B215       85       MWT-147CBT       25       MWT-MSH516       55         MW-8X112225       54       MW-BRVFN       65       MWT-167B       25       MWT-MSHL14       55         MW-8X11225       54       MW-CBCLMP       82       MWT-2110       27       MWT-MSHL38       55         MW-8X1125       54       MW-D1       42       MWT-2200       27       MWT-MSHL14       55         MW-8X121       54       MW-D2       42       MWT-2210R       27       MWT-MSHL14       55         MW-8X121       54       MW-D2       42       MWT-2210R       27       MWT-MSHL14       55         MW-8X121       54       MW-D2       42       MWT-2210R       27       MWT-MSHL1516       55	MW-7X121	54	MW-ATH14	70	MWT-127SV	48	MWT-MSH14		MW-X1 42	
MW -8X112225     54     MW-BRVFN     65     MWT-167B     25     MWT-MSHL14     55       MW-8X11225     54     MW-CBCLMP     82     MWT-2110     27     MWT-MSHL38     55       MW-8X1125     54     MW-D1     42     MWT-2200     27     MWT-MSHL14     55       MW-8X121     54     MW-D2     42     MWT-2210R     27     MWT-MSHL14     55       MW-8X121     54     MW-D2     42     MWT-2210R     27     MWT-MSHL1516     55	MW-7X12PW1	54		70	MWT-147C	25	MWT-MSH38			
MW-8X11225     54     MW-CBCLMP     82     MWT-2110     27     MWT-MSHL38     55       MW-8X1125     54     MW-D1     42     MWT-2200     27     MWT-MSHL14     55       MW-8X121     54     MW-D2     42     MWT-2210R     27     MWT-MSHL14     55       MW-8X121     54     MW-D2     42     MWT-2210R     27     MWT-MSHML1516     55	MW-7X12PW10	54		85		25	MWT-MSH516			
MW-8X1125         54         MW-D1         42         MWT-2200         27         MWT-MSHML14         55           MW-8X121         54         MW-D2         42         MWT-2210R         27         MWT-MSHML14         55	MW-8X112225	54		65		25				
MW-8X121         54         MW-D2         42         MWT-2210R         27         MWT-MSHML516         55	MW-8X11225	54		82		27	MWT-MSHL38			
	MW-8X1125	54		42	MWT-2200	27	MWT-MSHML1			
MW-8X1210 54 MW-DE18 84 MWT-2210RV 27 MWT-MSHXL14 55	MW-8X121	54		42		27				
	MW-8X1210	54	MW-DE18	84	MWT-2210RV	27	MWT-MSHXL14	55		

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