INNOVATIVE FIT-UP TOOLS: CLAMPS, MAGNETS, PLIERS AND WELDING TABLES.

StrongHandTools.com
800.989.5244
ver.1

We are dedicated to helping you work safely, efficiently, comfortably, and cost effectively.

We're on a mission to make "Better Tools at Better Prices." For over 35 years we have communicated with welders and craftsmen to develop innovative, quick-acting clamping tools that allow you to create a "proper" setup as the foundation for safe, and efficient work in welding, assembly, and repair applications. We've re-engineered traditional tools such as: Sliding Arm Clamps, Magnetic Welding Squares, Pliers, and Vises for improved performance in clamping and fixturing.

Strong Hand Tools Features and Benefits:

Our tools are multi-functional, and adaptable for all types of workholding in welding, assembly, and repair operations.

All Strong Hand Tools are "Quick Acting" for fast setup and affordably priced to fit any budget.

We remain dedicated to designing the most innovative, time-saving, money-saving workholding tools to improve your efficiency, productivity, and profitability.

Find your local Strong Hand Tools Distributor at:

www.StrongHandTools.com.

BE SURE TO LOOK FOR
GENUINE, PATENTED
STRONG HAND TOOLS®

BUILDPRO Welding Tables — Modular Welding Tables
www.BuildProTables.com

siegmund — Heavy Duty German Made Welding Tables
www.siegmundtables.com

VALTRA — Operating Accessories & Tooling Components
www.valtrainc.com

GOOD HAND — Toggle Clamps & Latches
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** All product, product specifications and data are subject to change without notice to improve reliability, function, design or otherwise. Please check online for updated information and details. ⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov*

4-IN-1™ Utility Clamping System

The most versatile Sliding Arm Clamps in the market.

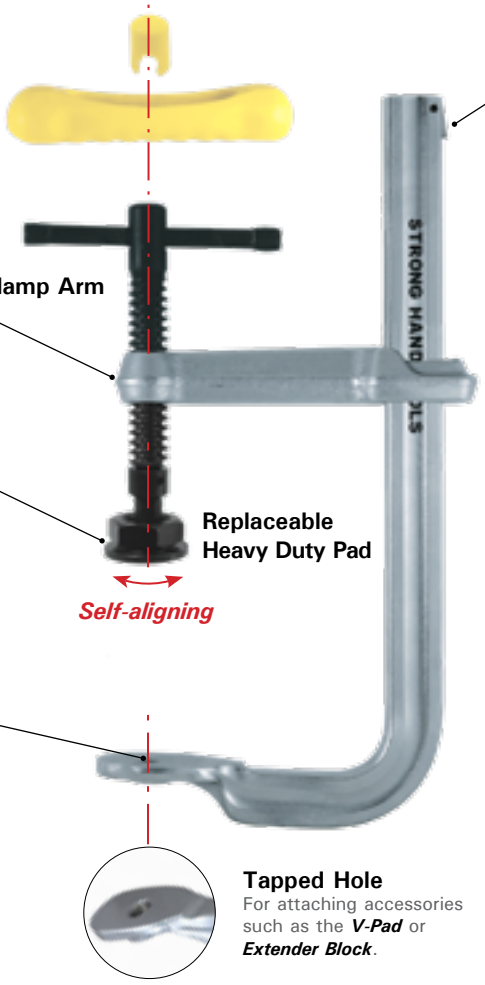
PATENTED

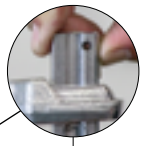
Ergonomic Comfort Handle with purchase of G / M Rail clamps.

UM Models:
Plastic handle ONLY

UG Models:
Plastic Handle + Cap

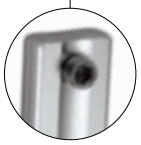
Removable / Reversible Clamp Arm





UE,UF,UG,UM Models:
Press the Spring Stop to slide the clamp arm ON & OFF

UD Models:
Remove the Key Ring.

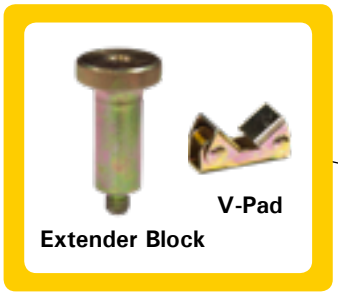


UP Models:
Remove the Screw Stop.

Standard Pad

Replaceable Heavy Duty Pad

Self-aligning



V-Pad

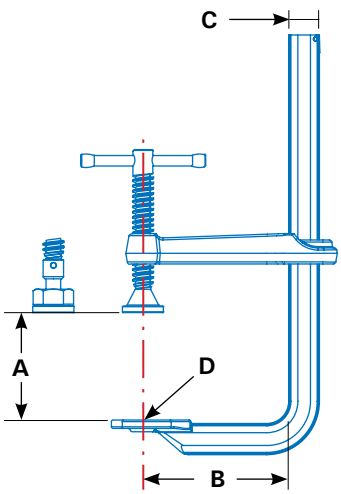
Extender Block

4-IN-1 ACCESSORY PACK

The 4-IN-1 Clamp Kit comes complete with the V-Pad and Extender Block accessories.

(See page 48 for details.)

Tapped Hole
For attaching accessories such as the ***V-Pad*** or ***Extender Block***.



Optional
Slide-on SIDEKICKS

Mount onto Clamps for the 2nd axis clamping.

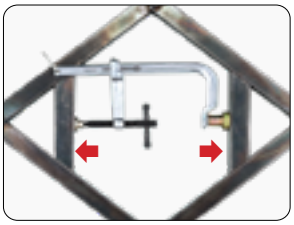
(See page 48 for details.)

ONE Clamp... FOUR functions.

The strong, economical 4-IN-1 Utility Clamps adapt to serve four different applications.

1. Standard
Sliding Arm Clamps are 10x faster than a C-Clamp!

2. Pipe
Add the exclusive V-Pad to create a Pipe Clamp!



3. Spreader
Reverse the clamp arm and create a Spreader Clamp.

4. Step-Over
Add the Extender Block to create a Step-Over Clamp.

"I've been able to replace my old set of five C-Clamps with my new 4-in-1 Clamp."

- Mark T.

4-IN-1™ UTILITY CLAMPING SYSTEM

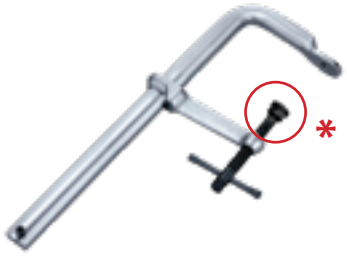
Part No.	Capacity - A (in)	Throat Depth - B (in)	Clamping Pressure (lb)	Pads	Rail Size - C (in)	Tapped Hole - D	Weight (lb)
UD45-C3	4-1/2	3-1/4	500	Standard	5/8 x 5/16	5/16-18	1.3
UD65-C3	6-1/2	3-1/4	500	Standard	5/8 x 5/16	5/16-18	1.6
UF65-C3	6-1/2	4-3/4	1,000	Standard	7/8 x 7/16	3/8-16	2.9
UG85-C3	8-1/2	4-3/4	1,200	Standard	1 x 15/32	3/8-16	4.1
UG125-C3	12-1/2	4-3/4	1,200	Standard	1 x 15/32	3/8-16	4.5
UG1257-C3	12-1/2	7 *Deep Throat	800	Standard	1 x 15/32	3/8-16	6.5
UM85P-C3	8-1/2	5-1/2	2,400	Standard	1-3/16 x 9/16	3/8-16	6.6
UM105P-C3	10-1/2	5-1/2	2,400	Standard	1-3/16 x 9/16	3/8-16	7.4
UM125-C3 *BEST SELLER	12-1/2	5-1/2	2,400	Heavy Duty	1-3/16 x 9/16	3/8-16	7.6
UM165-C3	16-1/2	5-1/2	2,400	Heavy Duty	1-3/16 x 9/16	3/8-16	8.7
UM205-C3	20-1/2	5-1/2	2,400	Heavy Duty	1-3/16 x 9/16	3/8-16	9.8
UP205-C3	20-1/2	7 *Deep Throat	4,800	Heavy Duty	1-9/16 x 3/4	3/8-16	16.1

Utility Clamps

Utility Clamps set-up 10x faster than a C-Clamp!

HEAVY DUTY

Clamping Pressure: 4,800 lb

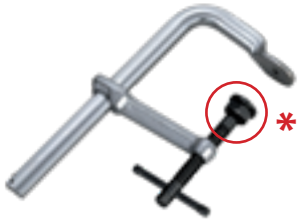


** Heavy Duty Replaceable Pads*

Part No.	Capacity - A (in)	Throat Depth - B (in)	Clamping Pressure (lb)	Rail Size - C (in)	Tapped Hole - D	Weight (lb)
UP125	12-1/2	7	4,800	1-9/16 x 3/4	3/8-16	12.3
UP165	16-1/2	7	4,800	1-9/16 x 3/4	3/8-16	13.6
UP205	20-1/2	7	4,800	1-9/16 x 3/4	3/8-16	15.0
UP245	24-1/2	7	4,800	1-9/16 x 3/4	3/8-16	16.5
UP405	40-1/2	7	4,800	1-9/16 x 3/4	3/8-16	22.0
UP605	60-1/2	7	4,800	1-5/8 x 3/4	3/8-16	28.0

REGULAR DUTY

Clamping Pressure: 2,400 lb



** Heavy Duty Replaceable Pads*

Part No.	Capacity - A (in)	Throat Depth - B (in)	Clamping Pressure (lb)	Rail Size - C (in)	Tapped Hole - D	Weight (lb)
UM65	6-1/2	5-1/2	2,400	1-3/16 x 9/16	3/8-16	5.4
UM85	8-1/2	5-1/2	2,400	1-3/16 x 9/16	3/8-16	5.9
UM105	10-1/2	5-1/2	2,400	1-3/16 x 9/16	3/8-16	6.4
UM125	12-1/2	5-1/2	2,400	1-3/16 x 9/16	3/8-16	7.0
UM165	16-1/2	5-1/2	2,400	1-3/16 x 9/16	3/8-16	7.6
UM205	20-1/2	5-1/2	2,400	1-3/16 x 9/16	3/8-16	8.7

REGULAR DUTY

Clamping Pressure: 2,400 lb

Standard Pads

Part No.	Capacity - A (in)	Throat Depth - B (in)	Clamping Pressure (lb)	Rail Size - C (in)	Tapped Hole - D	Weight (lb)
UM85P	8-1/2	5-1/2	2,400	1-3/16 x 9/16	3/8-16	5.7
UM105P	10-1/2	5-1/2	2,400	1-3/16 x 9/16	3/8-16	6.3
UM125P	12-1/2	5-1/2	2,400	1-3/16 x 9/16	3/8-16	6.4

LIGHT & MEDIUM DUTY

Clamping Pressure: 500 - 1,200 lb
Standard Pads

UD Series with Key Ring Stop

UE, UF, UG Series with Spring Stop

Part No.	Capacity - A (in)	Throat Depth - B (in)	Clamping Pressure (lb)	Rail Size - C (in)	Tapped Hole - D	Weight (lb)
UD45	4-1/2	3-1/4	500	5/8 x 5/16	5/16-18	1.0
UD65	6-1/2	3-1/4	500	5/8 x 5/16	5/16-18	1.1
UD85	8-1/2	3-1/4	500	5/8 x 5/16	5/16-18	1.2
UE85	8-1/2	4	850	25/32 x 3/8	3/8-16	2.3
UE125	12-1/2	4	850	25/32 x 3/8	3/8-16	2.5
UF65	6-1/2	4-3/4	1,000	7/8 x 7/16	3/8-16	2.4
UF100	10	4-3/4	1,000	7/8 x 7/16	3/8-16	2.8
UG85	8-1/2	4-3/4	1,200	1 x 15/32	3/8-16	3.6
UG125	12-1/2	4-3/4	1,200	1 x 15/32	3/8-16	4.0
UG205	20-1/2	4-3/4	1,200	1 x 15/32	3/8-16	4.8
UG1257	12-1/2	7 * Deep Throat	800	1 x 15/32	3/8-16	6.0
UG1657	16-1/2	7 * Deep Throat	800	1 x 15/32	3/8-16	6.5

J-CLAMP STEP-OVER

UD, UF, UG Series

UM Series

**** Heavy Duty Replaceable Pads***

Part No.	Capacity - A (in)	Throat Depth - B (in)	Clamping Pressure (lb)	Rail Size - C (in)	Tapped Hole - D	Weight (lb)
UD45J	4-1/2	3-1/4 (2)	500	5/8 x 5/16	3/8-16	1.2
UF100J	10	4-3/4 (3)	1,000	7/8 x 7/16	3/8-16	3.2
UG105J	10-1/2	4-3/4 (3)	1,200	1 x 15/32	3/8-16	5.0
UM125J	12-1/2	5-1/2 (4)	2,400	1-3/16 x 9/16	3/8-16	8.1
UM205J	20-1/2	5-1/2 (4)	2,400	1-3/16 x 9/16	3/8-16	9.2

Ratchet Action & MagSpring™ Clamps

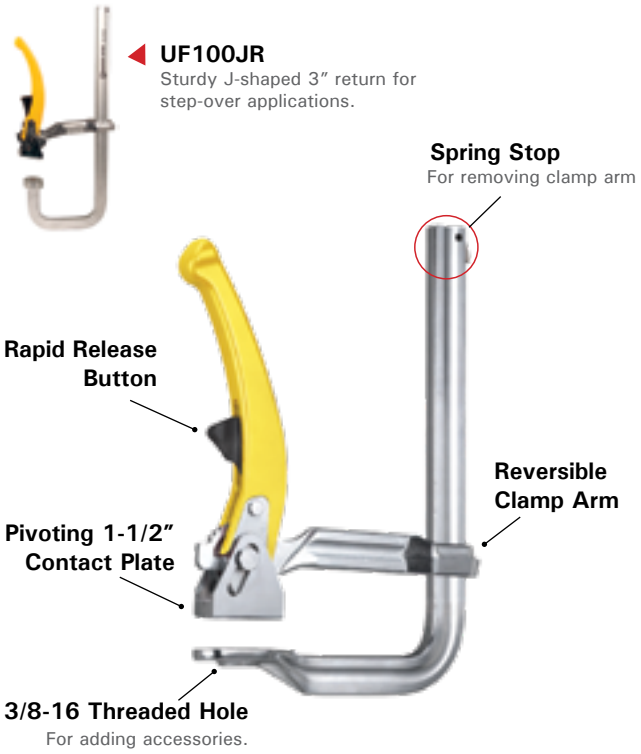
Quick-Set Clamps for fast, convenient clamping.

RATCHET ACTION UTILITY CLAMPS

Ratchet mechanism ensures rapid, vibration and torsion resistant clamping.

- Quick to setup, unlock, and remove in high volume clamping applications.
- Even clamping pressure. Ideal for repetitive clamping setups.

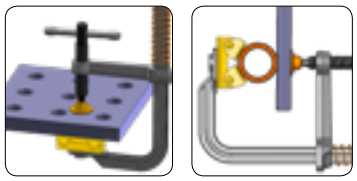
Part No.	Capacity (in)	Clamping Pressure (lb)	Rail Size (in)	Weight (lb)
UF65R	7	1,000	7/8 x 7/16	2.6
UF100R	10	1,000	7/8 x 7/16	3.0
UF100JR	10	1,000	7/8 x 7/16	3.1
UG85R	8-1/2	1,200	1 x 15/32	3.6
UG125R	12-1/2	1,200	1 x 15/32	4.8
UG205R	20-1/2	1,200	1 x 15/32	5.8



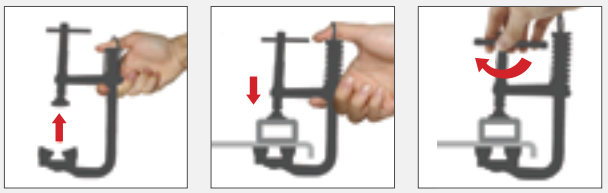
MAGSPRING™ CLAMPS

The spring-loaded, one-handed clamp with quick-set V-Pad.

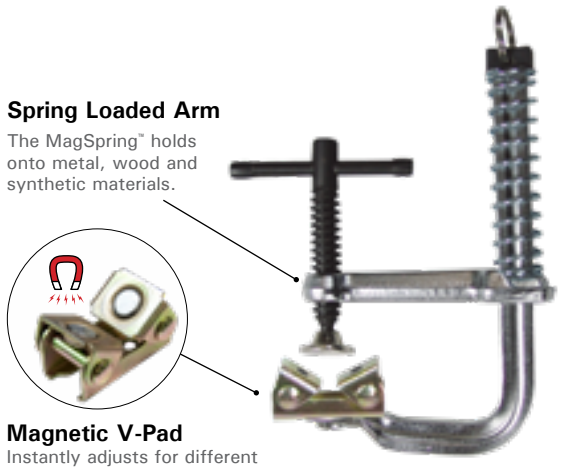
The Spring Arm in conjunction with the V-Pad allows users to free up one hand to position the workpiece.



Quick & Easy to Use!



Squeeze to Open | Set in Position | Turn to Tighten

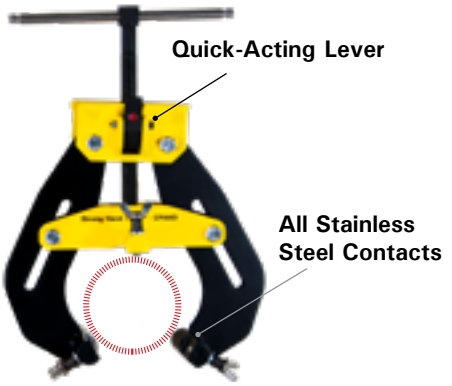


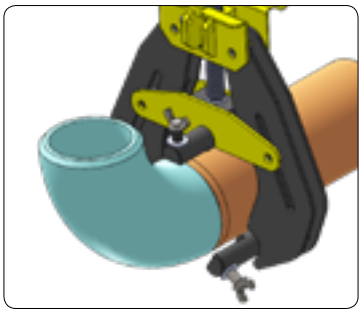
Part No.	Capacity (in)	Throat Depth (in)	Clamping Pressure (lb)	Tapped Hole (in)	Weight (lb)
UBV65	4-1/2	2-1/2	300	1/4-20	0.9
UDV45	3	3-1/4	500	5/16-18	1.0
UDV65	4-1/2	3-1/4	500	5/16-18	1.1

PIPE ALIGNMENT CLAMPS WITH QUICK-ACTING LEVER

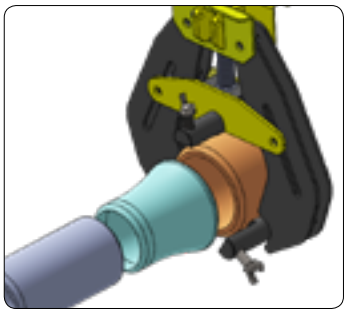
The New Pipe Alignment Clamp with Quick-Acting Lever is a fast, accurate fit-up clamp with a rugged frame.

Get a well-balanced hold on the clamp with the two wide Grip Plates while pressing the Quick-Acting Lever. The screw smoothly glides up and down for fast jaw insertion and clamp removal after welding.





Pipe to Elbow

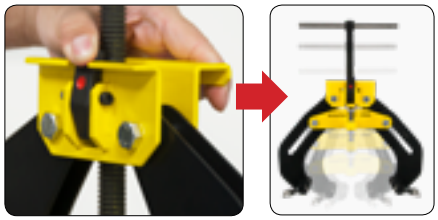


Pipe to Reducer

Part No.	Pipe Diameter Capacity (in)	Weight (lb)
CPA60	2 ~ 6	11
CPA120	4.5 ~ 12	17

PRESS – SLIDE – SET

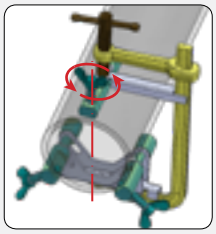
Wide Grip Plates make this Pipe Alignment Clamp easier to handle, with less user fatigue.



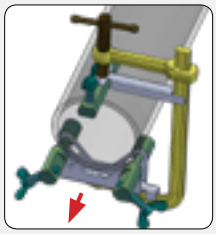
PIPE FIT-UP CLAMPS

A compact, light weight, portable clamp for the quick fit-up of round pipes and flanges for butt welding. Easy-to-Use design for the rapid, repeated loading and unloading of workpieces.

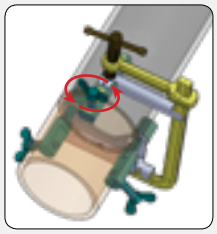
Pre-set clamp opening for fast setup:



1. Loosen all three SS screws slightly. Clamp the three SS Clamp Rods to hold the pipe. [Slightly] tighten all three screws, then loosen 1/4 turn. Loosen clamp by turning the spindle.



2. Move the clamp forward to accept the 2nd pipe or flange. Clamp all three SS Clamp Rods to hold the 2nd pipe.



3. Adjust the 2nd pipe or flange position using the three SS screws. After properly aligning the pipes, tighten the three SS screws.

Part No.	Pipe Diameter Capacity (in)	OAL (in)	Weight (lb)
CPL45	2 ~ 4	9.5	2.8
CPL75	4 ~ 5.5	12	4.7

Demo Video

Adjust-O™ Magnet Squares

The original magnet squares featuring On/Off switches.

PATENTED

"It's so much easier to set-up and hold my work with the On & Off Adjust-O Magnets because I'm not fighting the magnetic force."

- Jason T.

Demo Video

⚠ *Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.*

ADJUST-O™ MAGNET SQUARES

The fast & easy way to hold metal workpieces at 30°/ 60°, 45°, and 90°.

Turn the magnet Off or at the mid-point position when setting up, turn On when you're ready to work. Fast and safe set-up!

Ideal for round and square tubing, angle, and flat stock.

Easy to clean. Simply turn Off and wipe.

Made with strong rare earth magnets. Fully enclosed for easier cleaning.

On/Off Switch

Mid point switch position: for alignment / easy part placement.

DOUBLE Plate

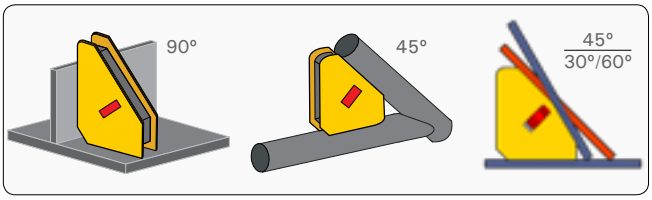
Optimize magnetic force (-HD models)

MSA53-HD shown

45°, 90°

Multi-Angles: 30°/60°, 45°, 90°

MSA45 MSA46-HD MSA47 MSA48-HD MSA53-HD



Part No.	Max. Pull Force (lb)	Dimension (in)	Weight (lb)
MSA45	65	4.4 x 3.8 x 1	1.0
MSA46-HD	90	4.4 x 3.8 x 1.1	1.5
MSA47	75	6 x 5.1 x 1.3	2.2
MSA48-HD	160	6 x 5.1 x 1.4	3.0
MSA53-HD	140	6 x 5.1 x 1.4	3.0

*Magnetic force is based on the longest side of Magnet with 3/8" thick steel.

THIRD-AXIS MAGNETIC POSTS

Optional accessory for ALL MSA Magnets

- Quickly and easily set-up 3-sided work such as tank and gusset.
- Use on either side of the magnet squares.

MXE13

Holding a 3-Axis workpiece.

ADJUST-O™ 90° DUAL SWITCH MAGNET SQUARES

For professional jobs that demand strong hold down forces. Holds flat and round metal work pieces.

- Two On/Off switches for independent operation.
- Turn the magnets Off when setting up, turn On when you're ready to work. Easy and safe set-up!
- Machined flat and V-surfaces are ideal for round and square tubing, angle, and flat stock.
- Choose from 120 - 265 lb pull force.

MS2-80
120 lb Max. pull force

MS2-90
265 lb Max. pull force

2 x **ON/OFF** Switch

V-Groove
For holding round & flat stock.

Part No.	Max. Pull Force (lb)	Dimension (in)	Weight (lb)
MS2-80	120	6 x 6 x 1-1/2	2.7
MS2-90	265	7-3/4 x 7-3/4 x 1-7/8	6.0

*Magnetic force is based on 3/8" thick steel.

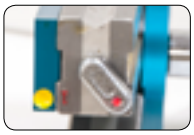
⚠ ***Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.***

ADJUST-O™ ANGLE MAGNET

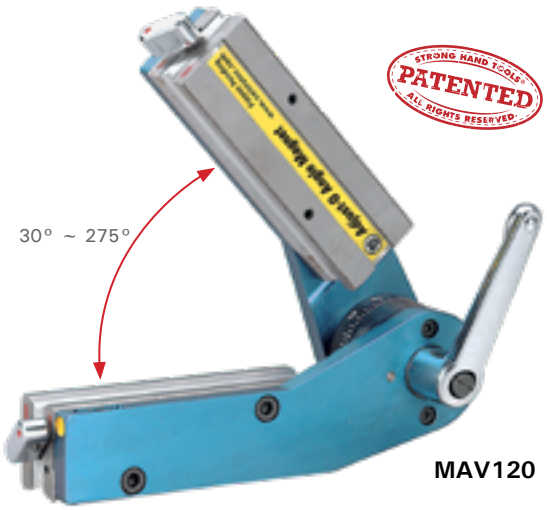
- Adjustable from 30° - 275° with two On/Off switches.
- Machined flat surfaces and nickel/chrome body.
- V-Groove surfaces securely hold round and square tubing, angle, and flat stock.

Machined V-Groove
For holding round & flat stock.

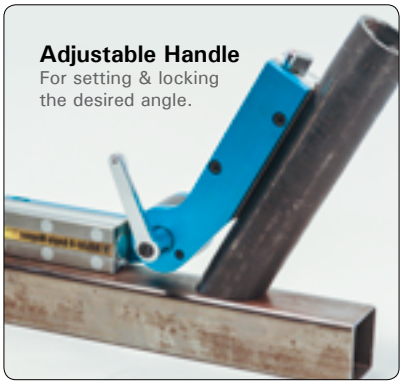
Calibration w/ Vernier



2 x ON/OFF Switch



MAV120



Adjustable Handle
For setting & locking the desired angle.

Part No.	Angles	Max. Pull Force (lb)	Dimension (in)	Weight (lb)
MAV120	30° ~ 275°	110	7-3/4 x 7-3/4 x 3-3/4	5.3

*Magnetic force is based on 3/8" thick steel.

⚠ ***Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.***

A-FRAME HD MAGNET

New for large and heavy stock holding.

Larger / wider magnets with large contact surface and stability. ON/OFF switches function with weaker force when lever at **mid-position**, for adjustment / placement of parts.

Part No.	Max. Pull Force TOTAL (lb)	Dimension (in)	Weight (lb)
MS2-300	265	13 x 13 x 1.3	8.8

⚠ *Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.*

STANDARD MAGNET SQUARES

Holding at multiple angles while soldering, brazing, and welding at 30°/60°, 45°, and 90°.

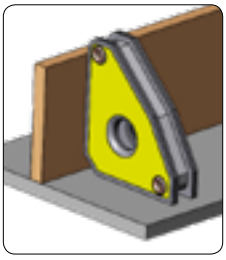
- Center hole for easy handling.
- Aluminium enclosed for easier cleaning.

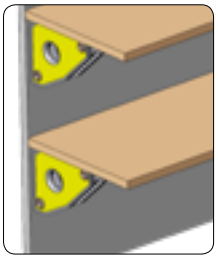
MS346C
Multi-Angle

MS45
45°, 90°

MS60
60°, 90°

Part No.	Angles	Max. Pull Force (lb)	Dimension (in)	Weight (lb)
MS346C	30°/60°, 45°, 90°	85	4-3/8 x 3-3/4 x 7/8	1.8
MS45	45°, 90°	65	4-3/8 x 3-3/4 x 3/4	1.0
MS60	60°, 90°	55	4-3/8 x 3-3/4 x 3/4	1.0





*Magnetic force is based on the longest side of Magnet with 3/8" thick steel.

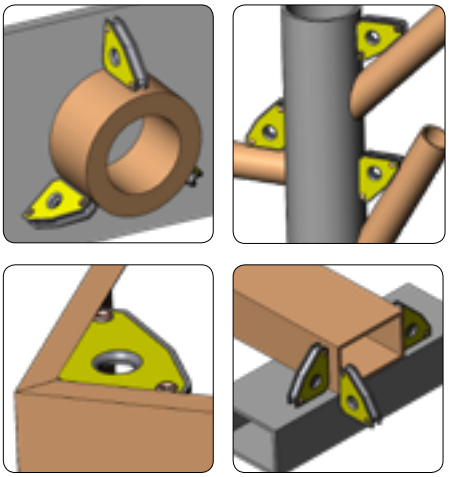
⚠ *Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.*

MINI MAGNET SQUARES

- Mini Magnets at just 2-5/16" in height provide low profile holding of stock in tight, hard to reach areas.
- Use as many as needed for light duty holding of stock at multiple points.
- Insert a screwdriver into the center hole to apply breakaway force.
- Full aluminum rim enclosure for easy cleaning.

MS346AT
Mini Multi Angle

MS350A
Multi-Angle



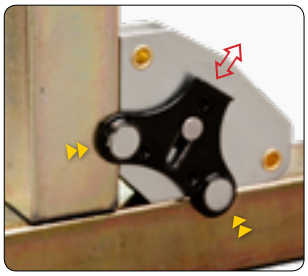
Part No.	Angles	Max. Pull Force (lb)	Dimension (in)	Weight (lb)
MS346AT *(Twin Pack)*	30°/60°, 45°, 90°	25	2-5/16 x 2 x 5/8	0.6
MS346AK *(6-Pack)*	30°/60°, 45°, 90°	25	2-5/16 x 2 x 5/8	1.7
MS350A	30°/60°, 45°, 90°	30	3-2/5 x 2-15/16 x 5/8	0.7

*Magnetic force is based on the longest side of Magnet with 3/8" thick steel.

⚠ ***Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.***

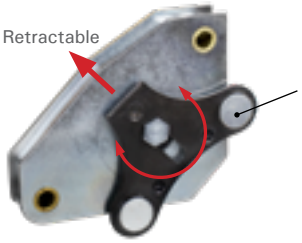
XYZ MAGNET SQUARES

- Quickly & easily set-up 2 or 3-Axis workpieces, such as gussets and steel panels.
- Unique Magnetic Face Plate features two rare earth disc magnets for 3rd axis holding.
- ***Rotate*** and ***slide*** Magnetic Face Plate into position as needed for each unique applications.
- Use the face plate as an edge guide when joining square tubes and sheet metal.



The face plate can be slid out of the boundary edges as edge guide.

MST348



MS350

Gusset Holding

Part No.	Angles	Max. Pull Force (lb)	Dimension (in)	Weight (lb)
MST348 *(Twin Pack)*	30°/60°, 45°, 90°	25	2-5/16 x 2 x 7/8	0.6
MS350	30°/60°, 45°, 90°	30	3-2/5 x 3 x 5/8	0.8

*Magnetic force is based on the longest side of Magnet with 3/8" thick steel.

⚠ ***Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.***

MagTab™

Time saving magnetic tools for use in the shop & in the field.

PATENTED

"Great tool for any welder / fabricator who deals with small parts that are hard to locate accurately."

- James

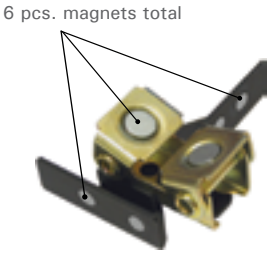
Demo Video

The better, faster way to hold tabs in place for tack welding!

- Hold tabs, or any small metal pieces, parallel or perpendicular to the substructure.
- The Adjustable Magnetic V-shape base adjusts for different shapes: round, flat, angle metal surfaces.
- *Remove the MagTab bracket to use the Adjustable Magnetic V-Pad for light duty holding of steel plates.*

STRONGER *FOR LARGER PARTS*

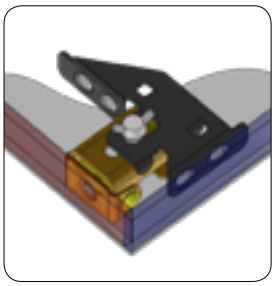
MNT15
(JUMBO)



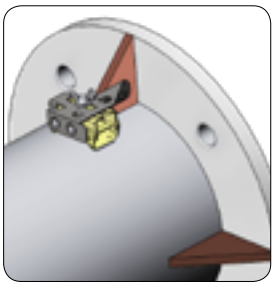
MFT10

Part No.	Dimension (in)	Max. Pull Force (lb)	Weight (lb)
MNT15	5.2 x 4.5 x 2.8	35	1
MFT10	4 x 3 x 1-1/4	18	0.5

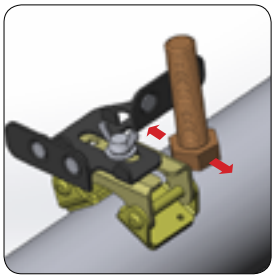
*Magnetic force is based on 3/8" thick steel.



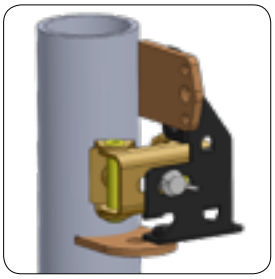
Box Lid



Gussets



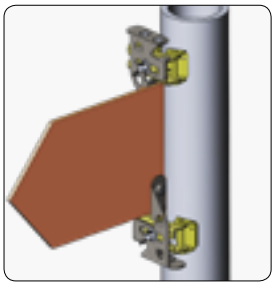
Bracket Adjustment



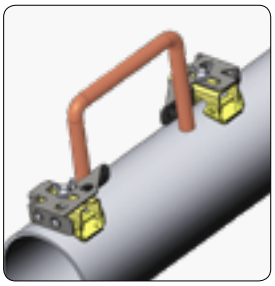
Parallel / Perpendicular Tab

New TWIN PACK Kits:

Part No.	Kit Contents	Weight (lb)
MNT28	2 x MNT15	2
MFNT27	MFT10 + MNT15	1.5
MFT23	2 x MFT10	1



Sign



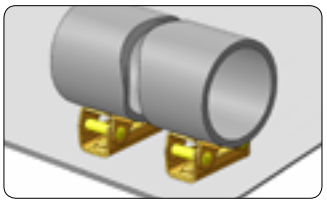
Handle

Remove the MagTab bracket...

See page 15 for more applications.
Also see page 41 for our NEW magnetic grasshopper.

⚠ ***Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.***

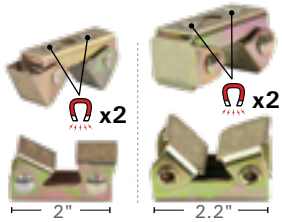
MagRest™ V-PAD KIT



MVDF42
Magnets on the bottom only.

(XDV3)
Max. Pull Force: 6 lb.

(XFV3)
Max. Pull Force: 9 lb.

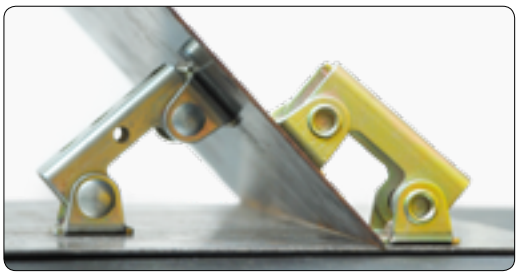


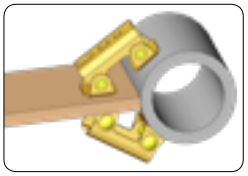
(XDV3) *(XFV3)*

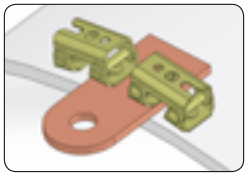
MagHold™ V-PAD KITS

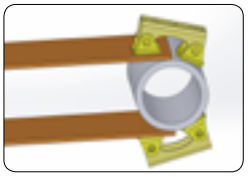
Light duty & tight spot holding! Build, Hold, and Position steel.

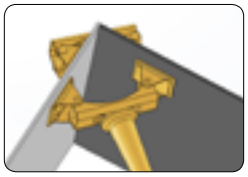
Hold and position round, flat, and square parts in light duty substructure applications!

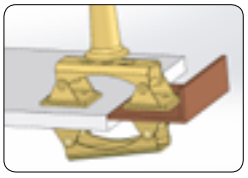


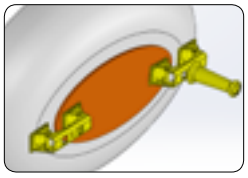










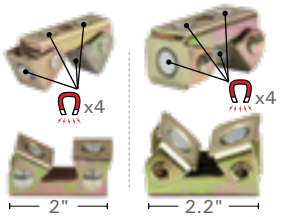


THREE 4-PC. KITS TO CHOOSE FROM:

MVDF44
Magnets on both pad face and the bottom.

(XDV4)
Max. Pull Force: 12 lb.

(XFV4)
Max. Pull Force: 18 lb.

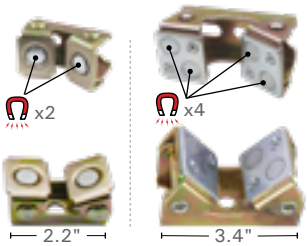


(XDV4) *(XFV4)*

MVFN46
Magnets on the pad face only.

(XFV2)
Max. Pull Force: 18 lb.

(XNV2)
Max. Pull Force: 35 lb.

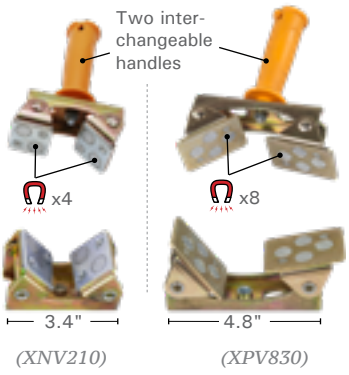


(XFV2) *(XNV2)*

MVNP48
Magnets on the pad face only.

(XNV210)
Max. Pull Force: 35 lb.

(XPV830)
Max. Pull Force: 58 lb.



(XNV210) *(XPV830)*

Part No.	Description	Kit Contents	Weight (lb)
MVDF42	MagRest	**2 pcs.** V-Pads (XDV3) + **2 pcs.** V-Pads (XFV3)	0.7
MVDF44	MagHold	**2 pcs.** V-Pads (XDV4) + **2 pcs.** V-Pads (XFV4)	0.9
MVFN46	MagHold	**2 pcs.** V-Pads (XFV2) + **2 pcs.** V-Pads (XNV2)	2.1
MVNP48	MagHold	**2 pcs.** V-Pads (XNV210) + [**2 pcs.** V-Pads + **2 pcs.** plastic handles (XPV830)]	4.1

*Magnetic force is based on the longest side of Magnet with 3/8" thick steel. *See page 49 for individual V-Pad details.*

⚠ ***Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.***

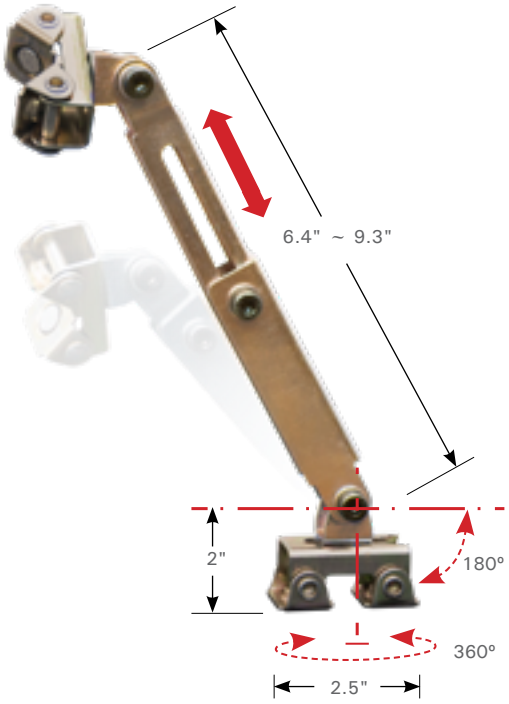
MagHold™ Extendable Arm & Snake Magnets

Time saving magnetic tools for use in the shop & in the field.

MagHold™ EXTENDABLE ARM

Position and hold steel stock in welding and fabrication.

- Telescoping mounting bar adjusts from 6.4" to 9.3" in length.
- Loosen the center joint in the mounting bar to "fold up" the MagHold™ for different workholding configurations.
- Adjustable magnetic V-Pads at each end hold stock of different shapes: round, flat, angled.



Part No.	Max. Pull Force (lb)	Weight (lb)
MHF608	18	1.3

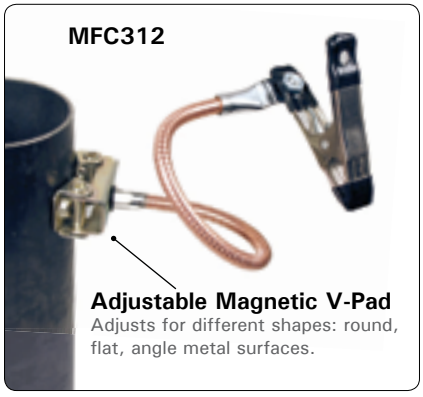
⚠ *Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.*

SNAKE MAGNETS

The Third Hand - *Holds, Bends, Twists*

The Snake Magnet gives you the flexibility to hold stock at odd angles. Spring Clamp can be used as the third hand to hold tools.

MFC312



MFC318

Part No.	Description	Weight (lb)
MFC312	12" flex cable, 1 clamp, 2 Adjustable Magnetic V-pads	1.0
MFC318	18" flex cable, 1 clamp, 2 flat Magnetic Pads	1.4

*Magnetic force is based on 3/8" thick steel.

⚠ *Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.*

Sheet Metal Magnets & Corner Magnets

Ideal for positioning and holding sheet metal for butt welding.

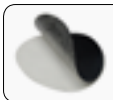
SHEET METAL MAGNETS

Hold sheet metal and automotive metal panels firmly in a positive location for cutting, welding, tacking, painting and repair operations.

Rare earth disc magnets in the magnetic plate have superior gripping power. Rubber Pads on the Sheet Metal Magnets provide friction for increased drag force in sheet metal handling applications.

Use horizontally or vertically. The strong, generously sized plastic handle makes placing, moving, and removing the Sheet Metal Magnets fast and easy.

◀ 3-1/4″ Dia.



Replaceable Rubber Pad

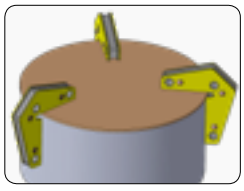
Part No.	Description	Straight Pull Force (lb) *	Side Drag Force (lb) *	Weight (lb)
MSM61	Light Duty Sheet Metal Magnets (Single piece) with 2 Replaceable Rubber Pads	40	30	0.6
MSM71	Medium Duty Sheet Metal Magnets (Single piece) with 2 Replaceable Rubber Pads	60	38	0.6
MSM81	Heavy Duty Sheet Metal Magnets (Single piece) with 2 Replaceable Rubber Pads	100	45	0.6
MCB82	Heavy Duty Sheet Metal Magnets (Twin Pack of MSM81)	100 / ea.	45 / ea.	1.2
MCB802	10 pcs. Replaceable Rubber Pad	--		0.1

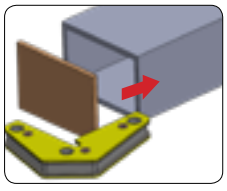
* Subject to surface thickness and texture.

⚠ ***Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.***

CORNER MAGNETS

- Create 90° corners by holding from the outside, providing you with an unobstructed area for inside tack welds.
- One side corner "relief" provides clearance for tall lips.
- Use the outer edges of the Corner Magnet for setting up materials at 60°.





The compact and low profile Corner Magnet is ideal for light duty holding of stock at 90°.

Use the outer edges of the Corner Magnet to hold stock at 120°.

Part No.	Description	Dimension (in)	Max. Pull Force (lb)	Weight (lb)
MST327	Twin Pack 90° & 60°	3-1/4 x 3-3/4 x 5/8	30	0.9

*Magnetic force is based on the longest side of Magnet with 3/8″ thick steel.

⚠ ***Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.***

Inside Outside Angle Magnets

Hold stock using the Inside or Outside edges!

PATENTED

Hold stock from the outside when inside access is difficult.

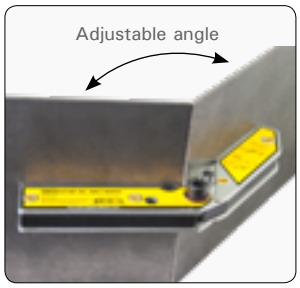
Hold and position sheet metal, round pipes, square, angled or flat stock.

The Inside / Outside Angle Magnets are constructed from two independent rectangular magnets for consistent, undiminished magnetic force when both sides are attached to workpieces.

Use mounting holes to link two magnets together for use as fixturing elements.

Use hex hole on magnet for breakaway leverage.

Demo Video



Part No.	Angles	Height (in)	Width (in)	Thickness (in)	Mag. Pull Force (lb)	Weight (lb)
MLDT350 COMBO PACK: (MLD300) + (MLD500)						1
1pc. (MLD300) 1pc. (MLD500)	90°, 30°/60° 90°, 30°/60°	3 5	2 3.35	0.55 0.7	20 33	
MLD600	90°, 30°/60°	6	4.33	0.79	40	1.7
MLA450	30 ~ 270°	4.7	4.7	0.72	26	1.2
MLA600	30 ~ 270°	6	6	0.79	33	2

⚠ ***Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.***

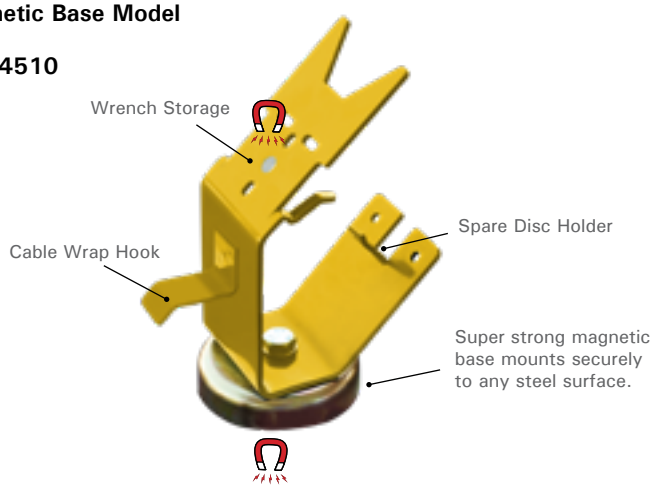
GRINDER RESTS

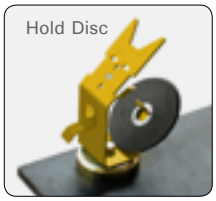
Store your Grinder and all accessories on one convenient, compact, portable rest for easy access. The Grinder Rest holds most 5" Grinders. No more searching for wrenches or spare discs!

Demo Video

Magnetic Base Model

MGH4510

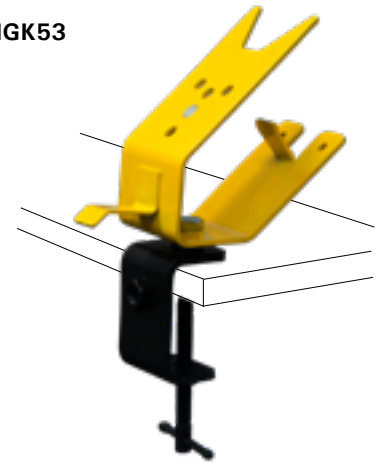




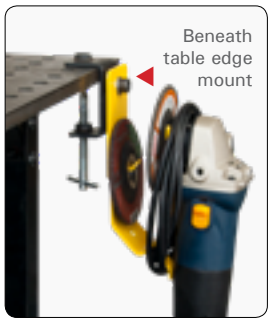
Part No.	Description	Weight (lb)
MGH4510	Magnetic base model	2.4
MGK53	C-Clamp base model w/ Adaptor Plate	2.2

C-Clamp Base Model

MGK53



** Includes Adaptor Plate for table leg and beneath table edge Mounting!*



ReadyRest
Ready when you are.

NEW 7" GRINDER REST!

See the NEW ReadyRest™ line of MIG, TIG Torch, Universal, Grinder, Wrist and Arm Rests, pages 20 – 27 ➤

Set your tools at the ideal position for easy access while you work, reduce wrist and arm fatigue, and safely store your tools to prevent damage!

TIG Torch Rests

NEW tools to maximize comfort, productivity, and safety in welding!

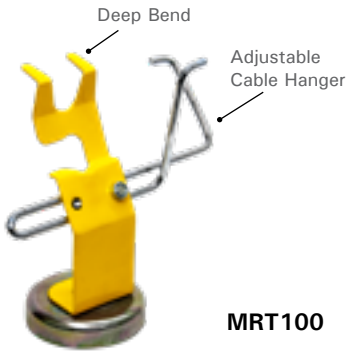
NEW ITEM

You don't work in one fixed position, so neither should your torch rest.

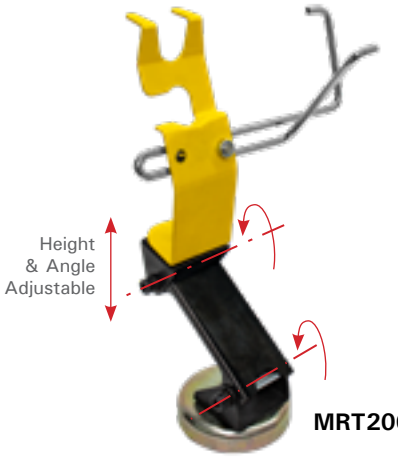
The height and angle adjustable ReadyRests attach securely to any steel surface for safe and convenient holding of your torch and cable for full access while you work. The unique adjustable cable hanger provides cable control for safety, and ease of handling.

STRONG HAND TOOLS®
PATENT PENDING
All Rights Reserved.

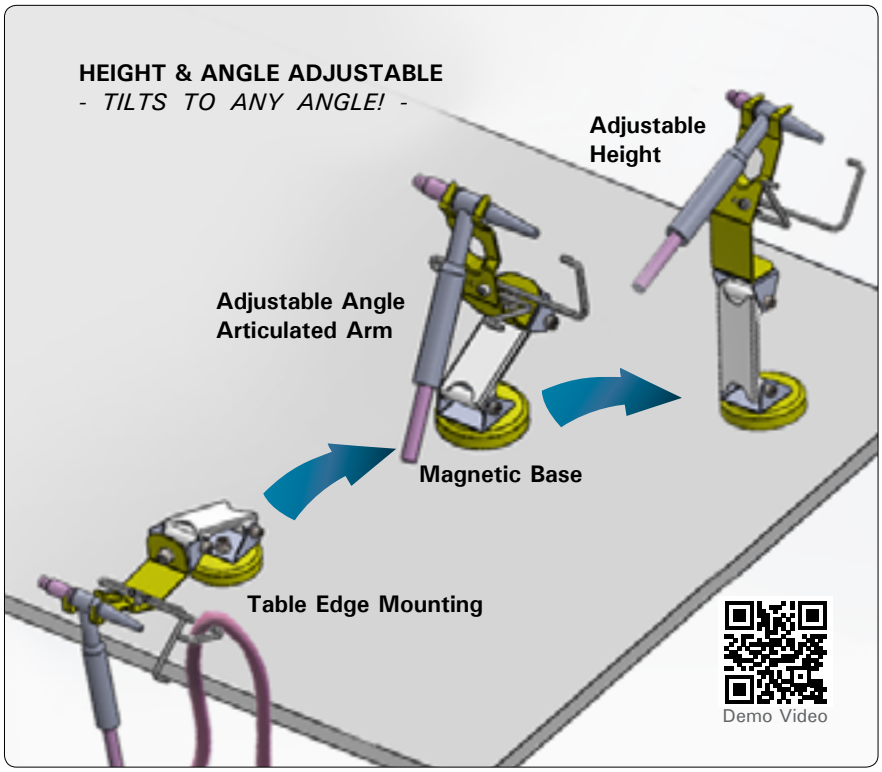
Store your torch on the ReadyRest to prevent damage and create a clean, organized work area.



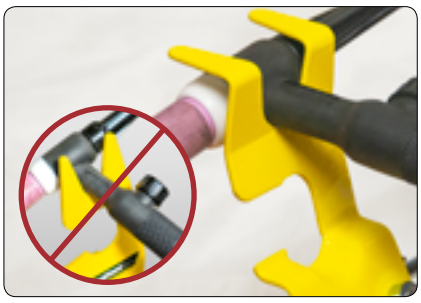
MRT100



MRT200



* Pliers, Torches and Grinders shown are not included.



DEEP BEND for extra-secure torch holding.

ROUNDED EDGES prevent scratching.

ADJUSTABLE CABLE HANGER holds cable "slack" for safety and reduced wrist fatigue.

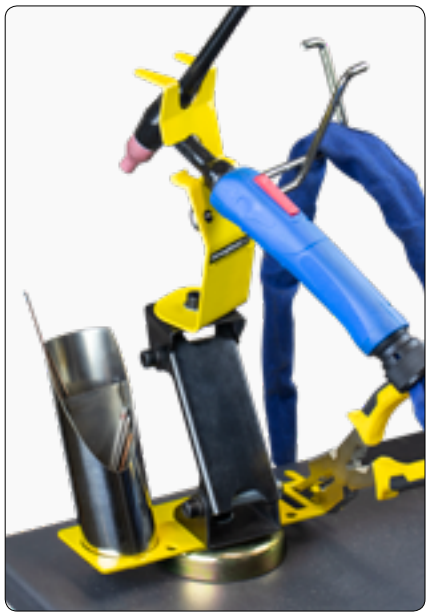
Part No.	Model	Description	Height (in)	Weight (lb)
MRT100	Basic	TIG Torch Rest with Cable Hanger	7.5	1.9
MRT200	Adjustable	TIG Torch Rest with Cable Hanger, Adjustable Height	7 ~ 12	2.8

TIG Torch Rests

NEW tools to maximize comfort, productivity, and safety in welding!

NEW ITEM

MRT300



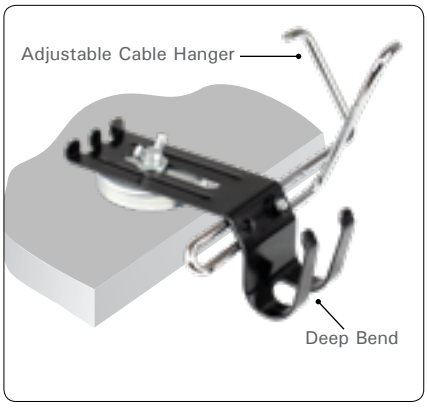
Two Pliers Parking Slots

Part No.	Model	Description	Height (in)	Weight (lb)
MRT300	Deluxe	TIG Torch Rest with Cable Hanger and Accessory Plate with Canister, Adjustable Height	7 ~ 12	3.5

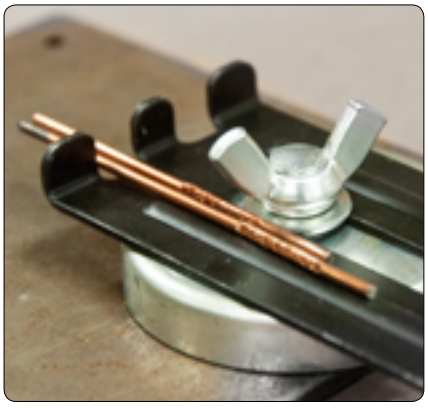
TABLE EDGE MOUNT REST

The most space-saving model in the ReadyRest™ line!

When every inch of space on your work surface is utilized, the Table Edge Torch Rest holds your torch at the table edge, out-of-the-way, yet easy to access quickly.



MRT50



FILLER ROD PARKING

SPACE-SAVING, EASY ACCESS.

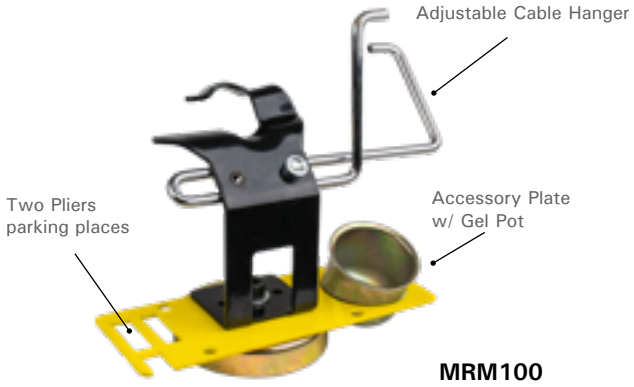
Part No.	Description	Height (in)	Weight (lb)
MRT50	Table Edge Mount TIG Torch Rest with Cable Hanger	5.5	1.2

* Pliers, Torches and Grinders shown are not included.

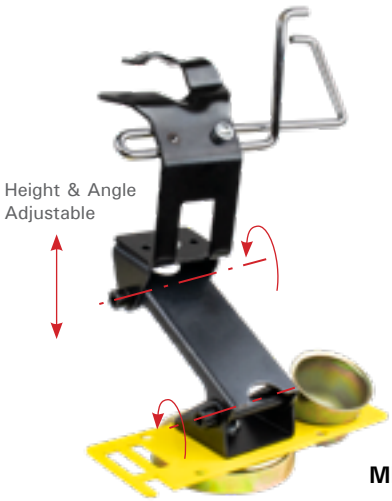
MIG Torch Rests

NEW tools to maximize comfort, productivity, and safety in welding!

NEW ITEM



MRM100

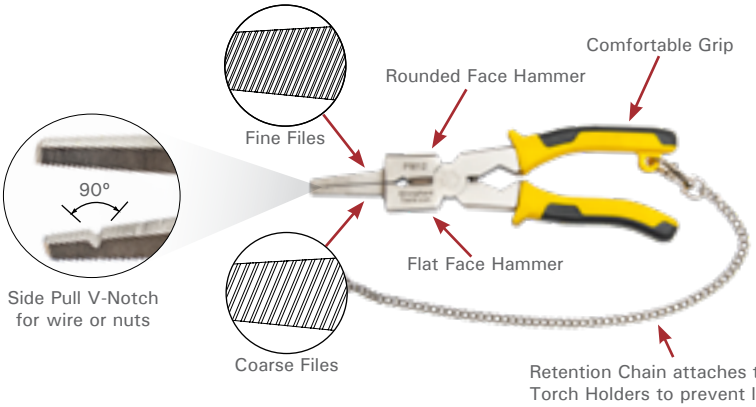


MRM200

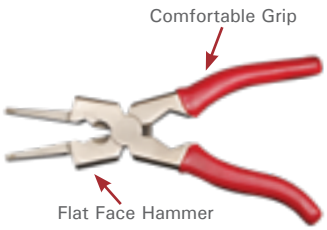
* Pliers, Torches and Grinders shown are not included.

Part No.	Model	Description	Height (in)	Weight (lb)
MRM100	Basic	MIG Torch Rest with Cable Hanger & Accessory Plate	6	2.1
MRM200	Adjustable	MIG Torch Rest with Cable Hanger & Accessory Plate, Adjustable Height	7 ~ 12	3.5

MIG PLIERS



Deluxe Model - **PM12**



Standard Model - **PM08**

Part No.	Length (in)	Weight (lb)
PM12	8.5	0.8
PM08	8.5	0.6

MIG Torch Rests

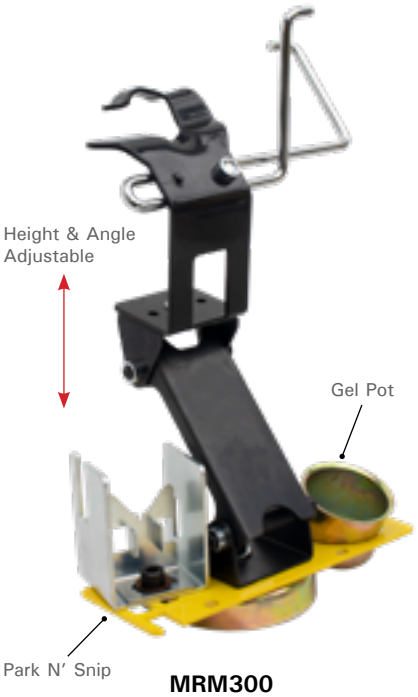
NEW tools to maximize comfort, productivity, and safety in welding!

NEW ITEM

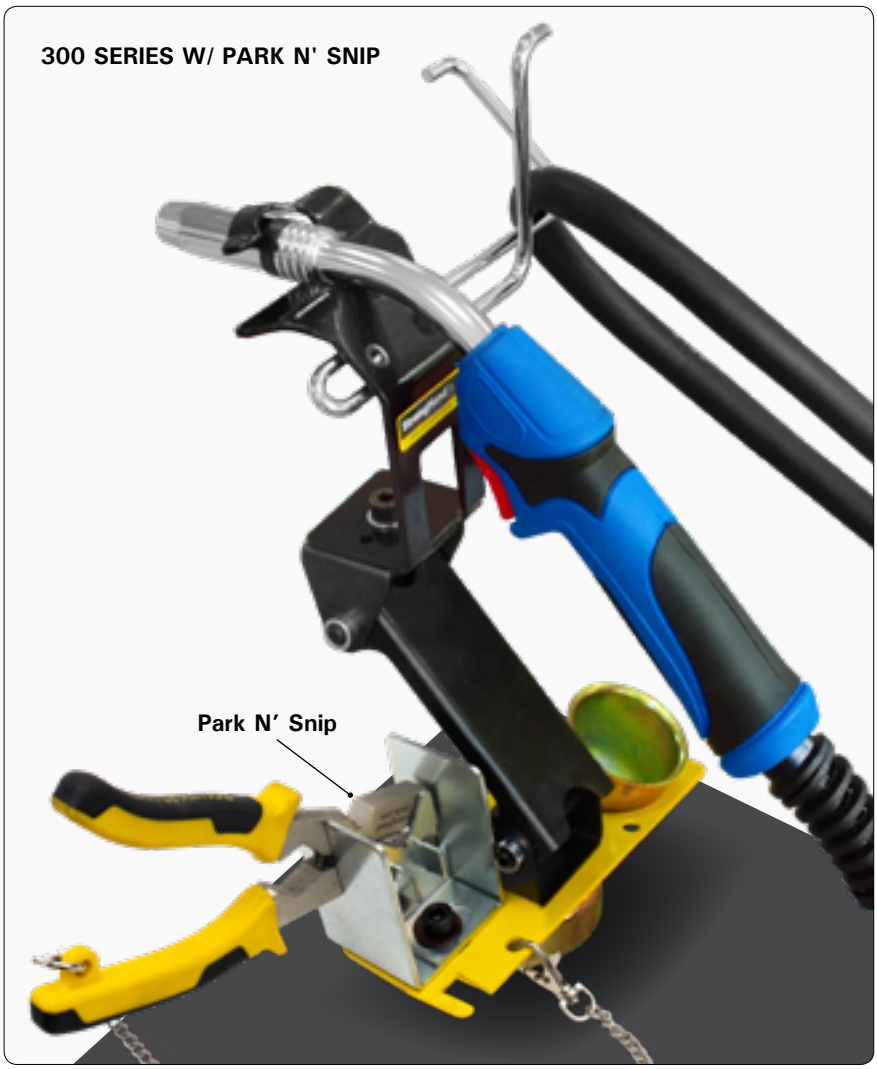
This deluxe MIG Rest includes the Park N' Snip feature!

Cut your MIG wire to the ideal length without taking off your gloves! Get a precise cut every time, without guesswork.

Insert your MIG Pliers through the two slots, rest your nozzle on the parking plate, and snip. Now you can easily trim the wire to the ideal length for better weld control.

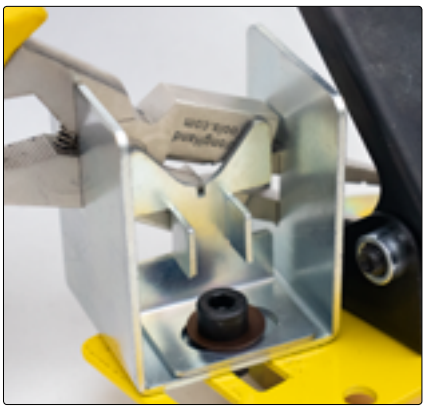


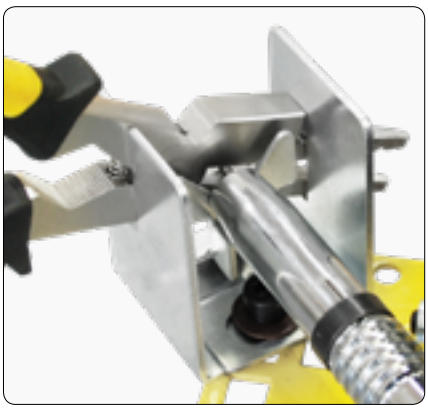
MRM300



* Pliers, Torches and Grinders shown are not included.

PARK N' SNIP





Part No.	Model	Description	Height (in)	Weight (lb)
MRM300	Deluxe	MIG Torch Rest with Cable Hanger & Deluxe Accessory Plate, Adjustable Height	7 ~ 12	4

Universal Rests

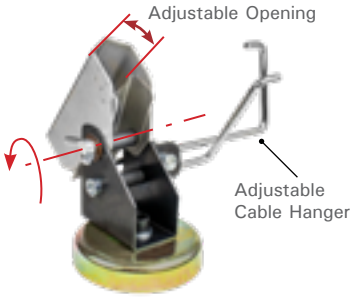
NEW tools to maximize comfort, productivity, and safety in welding!

NEW ITEM

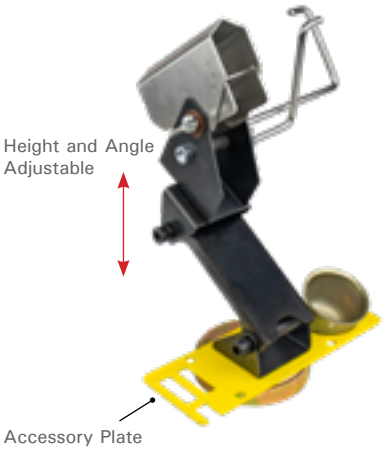
MIG, TIG, Electrode holder...ONE SIZE fits ALL

The Universal Rests hold your MIG or TIG Torch, or Electrode Holder. The Stainless Steel housing is angle-adjustable, with an adjustable keeper plate inside for secure, customizable holding.

Position and store your MIG, TIG torches and Electrode Holder securely and conveniently for easy access, and to prevent damage to gun and tips.



MRD80



MRD90

* Pliers, Torches and Grinders shown are not included.

Part No.	Model	Description	Height (in)	Weight (lb)
MRD80	Basic	Universal Rest with Cable Hanger	6	2.5
MRD90	Adjustable	Universal Rest with Cable Hanger & Accessory Plate, Adjustable Height	7 ~ 12	3.9

Adjustable Grinder Rest

NEW tools to maximize comfort, productivity, and safety in welding!

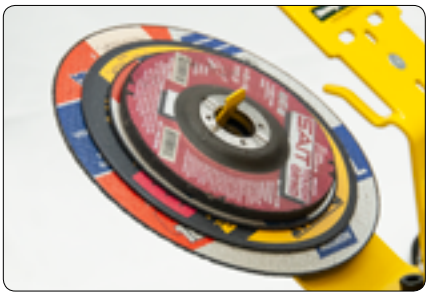
NEW ITEM

Store your costly 6" or 7" Grinder on this New Grinder Rest to prevent damage, maximize valuable space, and create an organized work area.

MGH600

* Pliers, Torches and Grinders shown are not included.

Store Wrench



Hold Disc

Part Storage

Part No.	Description	Weight (lb)
MGH600	Grinder Rest with Adjustable Cable Hanger, Anti-tipping Plate with Part Storage, Height & Angle Adjustable	6

** Also see two Grinder Rests: MGH4510, and MGK53 at page 19.*

Articulated Arm Rest

NEW tools to maximize comfort, productivity, and safety in welding!

NEW ITEM

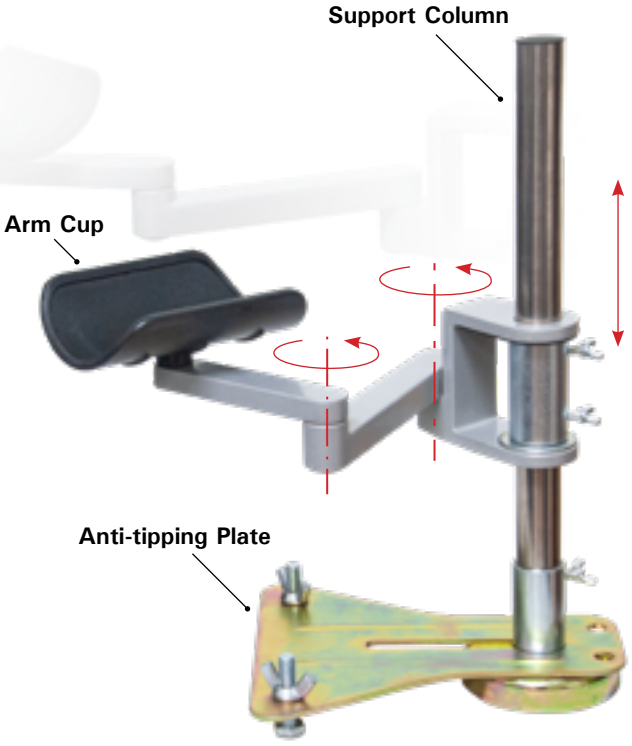
The ABC Rule for greater work quality - *Always Be Comfortable* while welding.

This affordable, fully adjustable Arm Rest with the fully articulated arm, supports your extended arm while working. Steady your arm or hand, for greater weld control and reduced fatigue.

The 2-section Articulated Arm is height adjustable [slide up or down the support column] and swivels quickly and easily for work in precise locations.

The comfortable, generously sized arm cup turns in a 360° arc for complete freedom in positioning, and instant re-positioning.

Place the sturdy, anti-tipping, magnetic base plate on any steel surface and level by adjusting the two leveling bolts.



ARA18

Part No.	Overall Height (in)	Articulated Arm Height Range (in)	Articulated Arm Reach (in)	Weight (lb)
ARA18	15	6 ~ 15	0 ~ 12.5	4.9

Adjustable Wrist Rest

NEW tools to maximize comfort, productivity, and safety in welding!

NEW ITEM

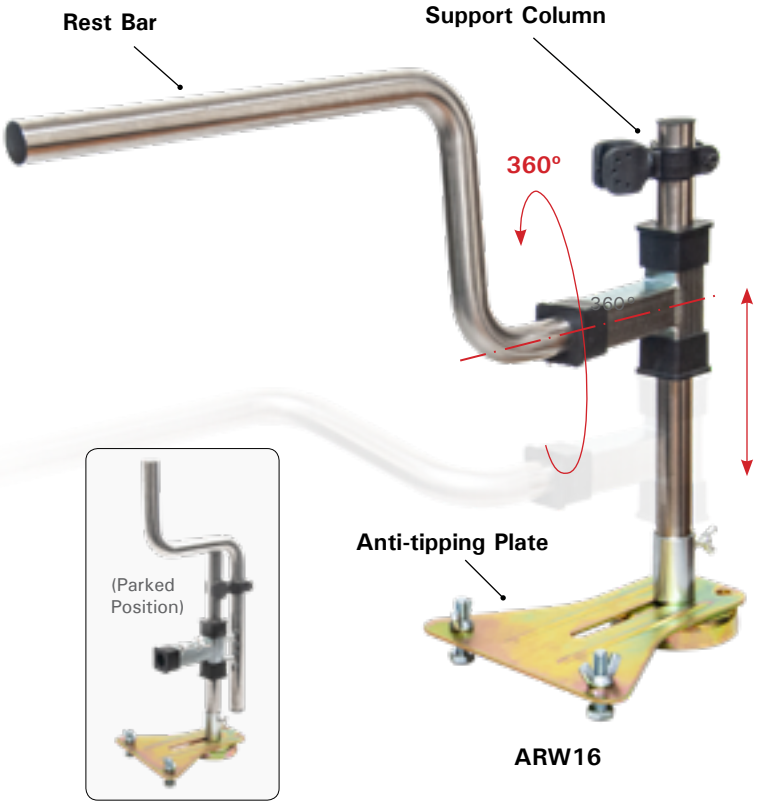
Be comfortable while welding, and perform precision work by having the right tools in your shop.

This affordable, fully adjustable Wrist Rest has solid steel construction for durability and optimal stability. “Carry” your MIG or TIG torch smoothly along the 11” travel length of the Stainless Steel Rest Bar.

The Rest Bar is height adjustable [slide up or down the support column].

Place the sturdy, anti-tipping, magnetic base plate on any steel surface and level by adjusting the two leveling bolts. For space-saving storage, remove the Rest Bar from the adjustment column for vertical docking.

An important addition to any welding setup. Steady your wrist for accurate welding and greater work quality with less fatigue.



ARW16

Part No.	Overall Height (in)	Rest Bar Height Range (in)	Rest Bar Length (in)	Weight (lb)
ARW16	18.5	0 ~ 18.5	11	5.8

Big Mouth Pliers

Adjust instantly to hold large or small workpieces

PAJ100

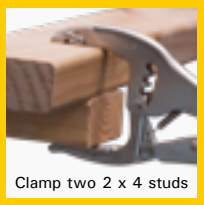
Four Adjustment Slots - Large Capacity

- Unique crank handle for FAST opening, closing and in-situ pressure adjustment.
- Serrated jaw surfaces for extra gripping power.
- V-Notch on top jaw for holding small parts.
- Long jaw (2-1/2″) for extra capacity and greater versatility in workholding.
- Keep this versatile tool on hand for fast clamping in a variety of jobs!

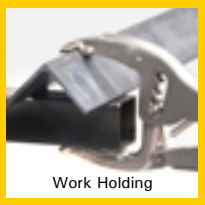
PAJ102

Soft Copper Jaw

Clamp + Protect soft or fine surfaces. Compatible with Stainless Steel and Aluminum.



Clamp two 2 x 4 studs



Work Holding

V-Notch for small parts

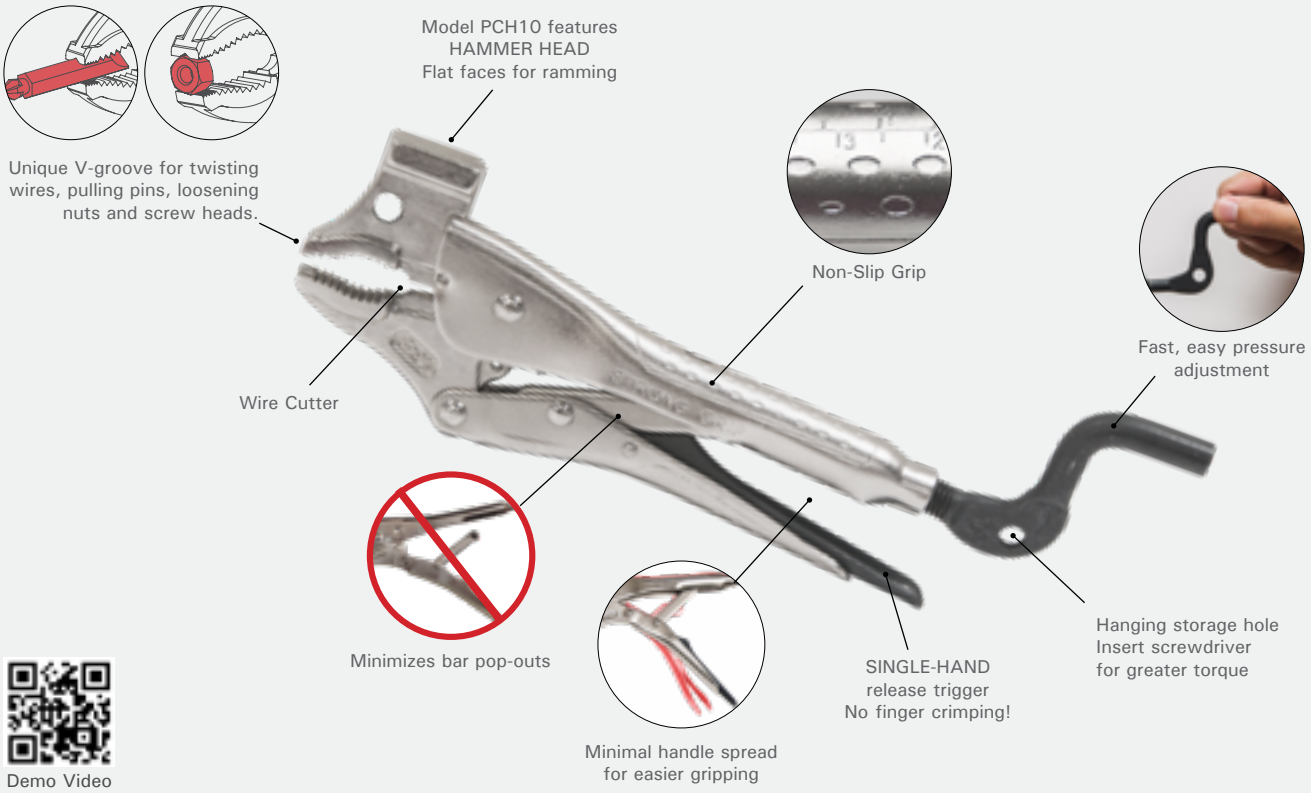
PAJ207
300 AMPS

Copper Grounding

Clamp + Ground thick, thin, & round parts with tight pressure for good contact. Grounding ribbon connects top & bottom jaws.

Part No.	Description	Opening (in)	Throat Depth (in)	OAL (in)	Weight (lb)
PAJ100	Standard Model	1/4 ~ 3	2-1/2	10	1.5
PAJ102	Soft Copper Jaw	1/4 ~ 3	2-1/2	10	2
PAJ207	Copper Grounding	1/4 ~ 3	2-1/2	10	2.2

Demo Video



Unique and Convenient!

C-JAW PLIERS WITH HAMMER HEAD

Unique design provides a convenient hammer when you need it, where you need it!

V-groove

Part No.	Opening (in)	OAL (in)	Weight (lb)
PCH10	1.5	12	1.4

C-JAW PLIERS

The most popular grip pliers with improved features:

Machined curved jaws with serrated teeth tightly grip round stock as well as a variety of shapes.

V-groove

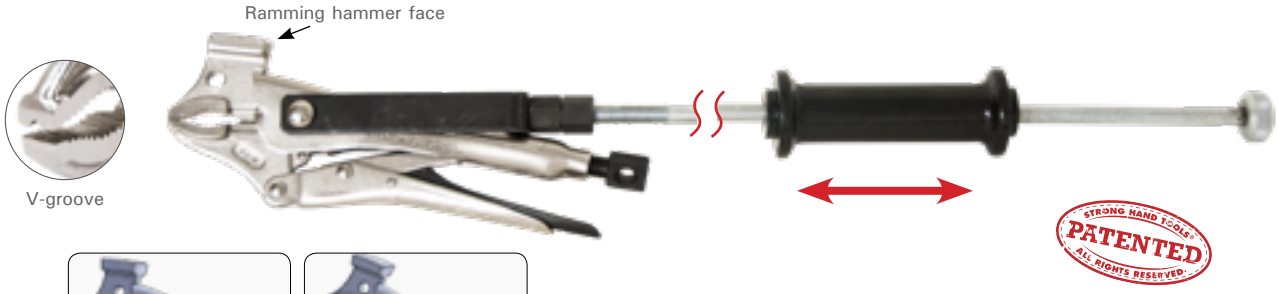
Part No.	Opening (in)	OAL (in)	Weight (lb)
PCJ50	1	7	0.4
PCJ70	1.6	9.6	0.8
PCJ100	1.6	12	1.2
PCJ120 *	2.2	14	2.0

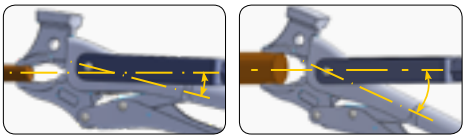
** Unique larger size.*

UNIQUE

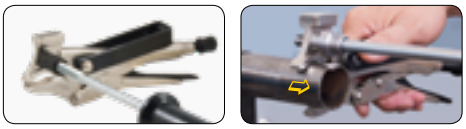
DUAL AXIS PULL PLIERS W/ HAMMER HEAD

An essential pulling, pushing, ramming tool for the die-maker, maintenance craftsman, and auto repair shop mechanic. Pull Rod mounts in the swing handle, or in the M10 threaded hole for 2-axis pulling or pushing.





SELF Aligning pull bar
accommodates different part thickness



Side Pull

Part No.	Opening (in)	OAL (in)	Weight (lb)
PPD100	1.6	28	3.8

ECONOMY PIPE PLIERS

Large Capacity (3")! Holds round, square, flat or angled. The large (Ø1.5") swivel pad makes alignment easier!

Part No.	Opening Round / Square (in)	OAL (in)	Weight (lb)
PVS100	up to 3	14	2.2

LOCKING CHAIN PLIERS

Clamp odd shaped multiple items. **Adjust tension with crank handle.**

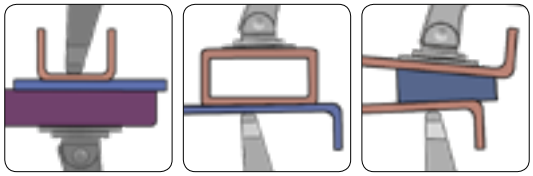
Replaceable chain available in 24"**(P/N: PXC24)**, 36" **(P/N: PXC36)** & 48" **(P/N: PXC48)** lengths.

Part No.	Chain Length (in)	Holds Pipes (in)	Weight (lb)
PFC1024	24	up to 6.5	1.9
PFC1036	36	up to 10.5	2.4
PFC1048	48	up to 14	2.8

VERSATILE · HANDY!

PLIERS W/ COMBO TIPS

One round tip for tight spots + swivel pad for larger surface contact.

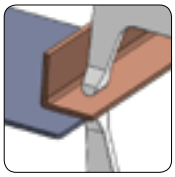


Part No.	Throat Depth (in)	Opening (in)	OAL (in)	Pad Size (in)	Weight (lb)
PSR80	3	2.4	11.8	1.1	1.3
PSR100	3	2.8	14.2	1.5	1.8
PSR140	5.6	5	16.9	1.5	2.3

UNIQUE

PLIERS W/ ROUND TIPS

Greater clearance and access for quick holding in tight areas.



Part No.	Throat Depth (in)	Opening (in)	OAL (in)	Weight (lb)
PRB60	1.7	1.9	7.6	0.6
PRB80	3	2.4	11.4	1.2
PRB110	3	3	13.8	1.9
PRB140	5.6	3.7	16.1	2.0

UNIQUE

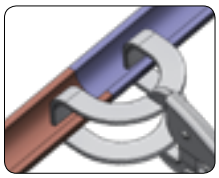
PLIERS W/ SWIVEL PADS

Hold angled, or uneven work pieces, without damaging surfaces. Pads pivot to align with the work surface for a firm hold.

Part No.	Throat Depth (in)	Opening (in)	OAL (in)	Pad Size (in)	Weight (lb)
PSB60	2.1	1.9	8.2	0.9	0.6
PSB80	3	2.4	11.4	1.1	1.3
PSB110	3	3	13.8	1.1	1.9
PSB140	5.6	4.7	16.3	1.1	2.3

U-PRONG PLIERS

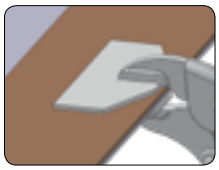
Wide U-Shaped jaw for workpiece visibility, weld access, secure holding.



Part No.	Opening (in)	OAL (in)	Weight (lb)
PUP90	2	11	1.3
PUP100	3	13	1.9

SHEET METAL PLIERS

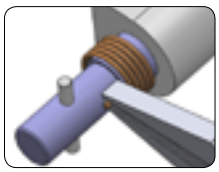
Wide, robust contact plates provide a powerful hold on stock.



Part No.	Parallel Opening (in)	OAL (in)	Weight (lb)
PDB80	0.4	10	1.2
PDB90	0.6	13	1.7

LONG NOSE PLIERS

Long, slim nose for access in tight, narrow, hard to reach areas.



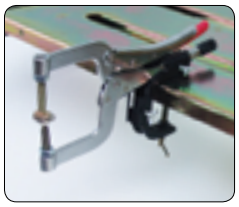
Part No.	Parallel Opening (in)	OAL (in)	Weight (lb)
PLN50	0.2	8	0.4
PLN90	0.2	11	0.9

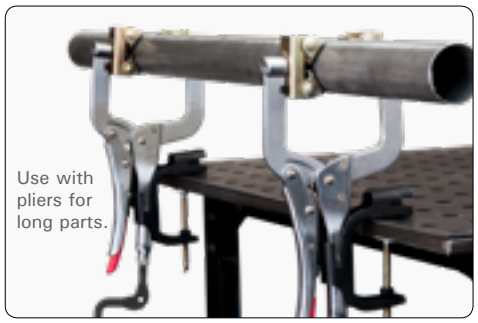
BENCH-MOUNT PLIERS HOLDER

Convenient storage, or hands-free use

Holds in Vertical & Horizontal positions.

Wing nuts on both vertical and horizontal position locks pliers in place.

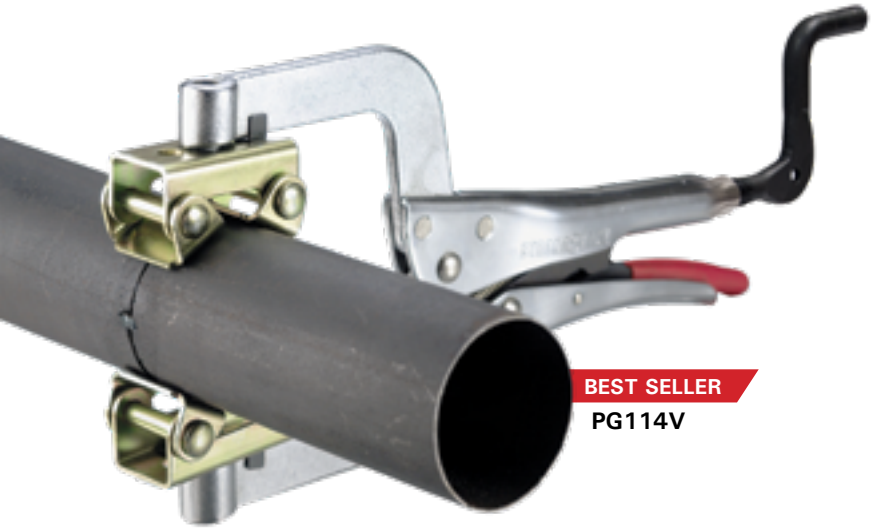




Part No.	Weight (lb)
PB11	0.2

Pipe Pliers

The convenient way to hold round or square tubes for butt-welding.

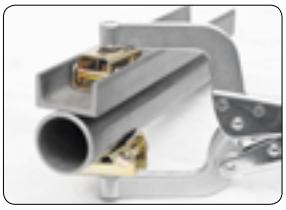


BEST SELLER

PG114V

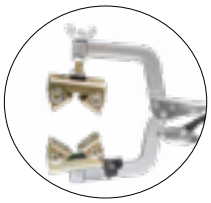
- Wide opening allows the Pipe Pliers to hold up to 2-1/2" diameter pipes.
- 2 V-Pads provide a better clamping surface.
- Adjustable top spindle for holding pipes of varying sizes.
- 0° & 45° angle clip allows angled clamping.

The V-Pads on the Pipe Pliers adapt to many different shapes and sizes.

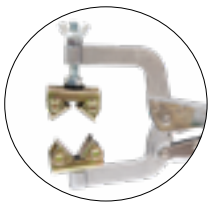


* Magnetic V-Pads and Stainless Steel V-Pads (Part No. XFVS) also available separately. *See page 49 for details.*

PG622V
PG634V
PG114V



PG635V
PG635VS

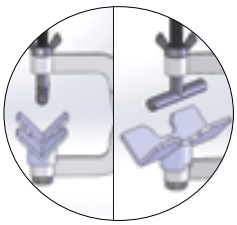


PG115V

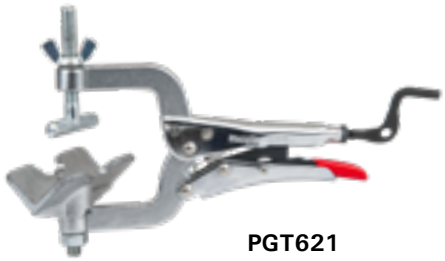
SMALL DIAMETER PIPE PLIERS

Pipe Pliers are the convenient way to hold round pipes for: **BUTT-WELDING** and **CROSS JOINTS.**

NEW ITEM



Dual Position Bottom Bracket.



PGT621

Part No.	Top V-Pad	Bottom V-Pad	Throat Depth (in)	Opening (in)	Thread	OAL (in)	Weight (lb)
PG622V	Fixed	Fixed	2	1 - 2	M8	6	0.8
PG634V	Fixed	Fixed	3	2 - 3	M8	8-1/2	1.1
PG635V	Adjustable	Magnetic 0° & 45° rotatable	3	1-1/2 - 2-1/2	M8	8-1/2	1.2
PG635VS	Adjustable ***Stainless Steel***	***Stainless Steel*** 0° & 45° rotatable	3	1-1/2 - 2-1/2	M8	8-1/2	1.2
PG114V	Fixed	Fixed	3-1/2	1-1/2 - 2-1/2	M10	11	2.8
PG115V	Adjustable	Fixed	3-1/2	1-1/2 - 2-1/2	M10	11	2.9
PGT621	-	-	2	1/4 ~ 1-1/2	M8	6	0.8

Locking C-Clamps

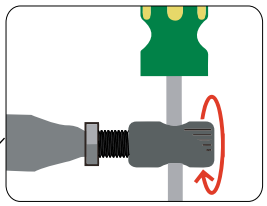
Improved features for professionals and Do-It-Yourselfers.

Made of heat treated steel and nickel/chrome plated for strength and durability. Updated features help you work quickly, safely and efficiently.

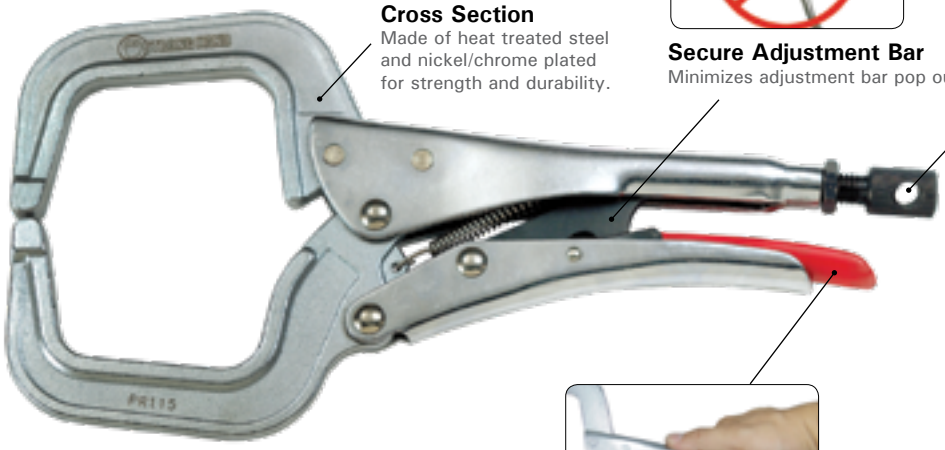
Round Tip Model

Cross Section
Made of heat treated steel and nickel/chrome plated for strength and durability.

Secure Adjustment Bar
Minimizes adjustment bar pop outs.

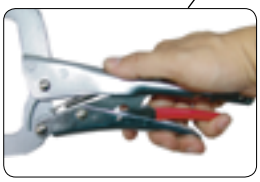


Adjustment Screw
Large adjustment screw with a hole for easy torque.



PR115

Optional Crank Handle
See page 48 for details.

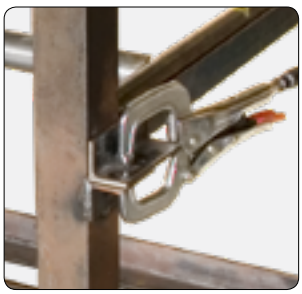


Single Hand Release Handle
Vinyl coated release handles made for comfort and ease.

Swivel Pad Models

PR115S

PR18S



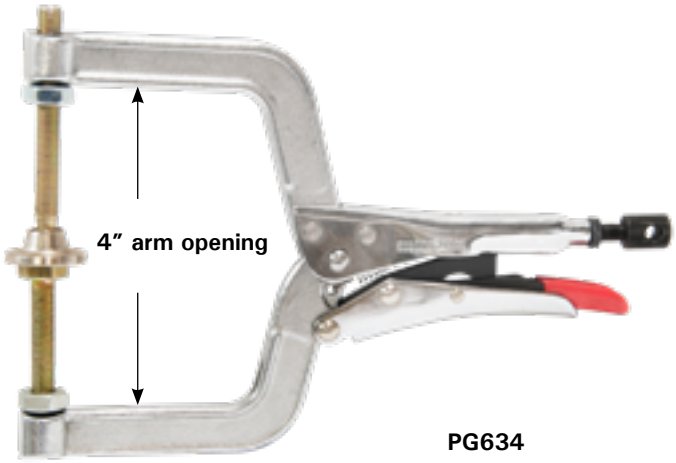
	Part No.	OAL (in)	Throat Depth (in)	Opening (in)	Weight (lb)
Round Tip	PR6	6-1/2	1-13/16	2-3/16	0.5
	PR115	11	3-1/4	4	2.0
	PR18	18	10	4-1/2	3.0
Swivel Pad	PR6S	6-1/2	1-13/16	2-3/16	0.6
	PR115S	11	3-1/4	4	2.2
	PR18S	18	10	4-1/2	3.1

MULTI-PURPOSE PLIERS

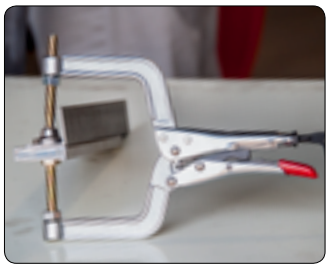
One swivel pad spindle and a fixed head spindle for flexible clamping. Threaded jaw holes allow addition of accessories.

Swivel Pad

Fixed Spindle



PG634



Part No.	OAL (in)	Throat Depth (in)	Opening (in)	Thread	Weight (lb)
PG634	8-1/2	3	4	M8	1
PG114	11	3-1/2	4	M10	2

ADJUSTABLE REACH AND LONG REACH MULTI-PURPOSE PLIERS

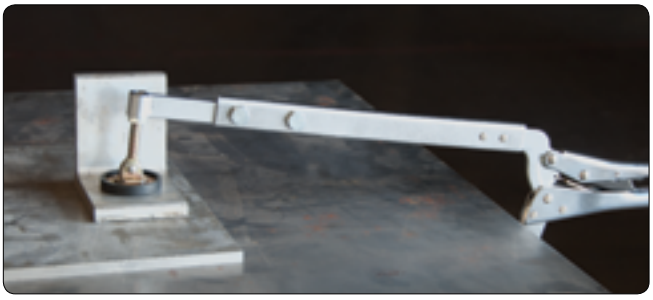
Thread : 3/8-16 | Opening : 4"

PGA20 - Adjustable Reach Arms
Top Adjustable Spindle: No-mar rubber pads, pivoting head.
Bottom Adjustable spindle: No-mar rubber pads, fixed head.

PGA20

PGA20S - Adjustable Reach Arms, with top and bottom fixed jaws, pivoting heads, and no-mar rubber pads.

PGA20S



Part No.	OAL (in)	Throat Depth (in)	Weight (lb)
PGA20	23 - 29	14, 16, 18, 20	4.8
PGA20S	23 - 29	14, 16, 18, 20	4.8

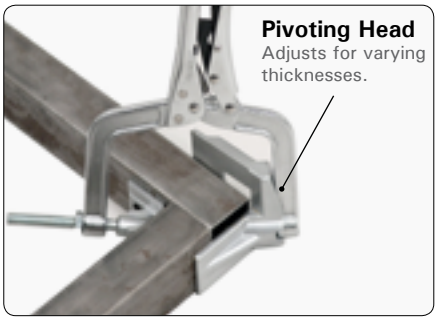
JointMaster™ Angle Clamping Tools

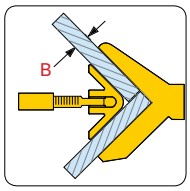
Fast, precise and affordable clamping tools for corners and T-joints.

PL634

The single-hand JointMaster™

- Ideal for quick hold and release on metal, wood & synthetic materials.
- A "helping hand" to hold stock firmly at right angles.
- Comes with 1 pair of pliers.



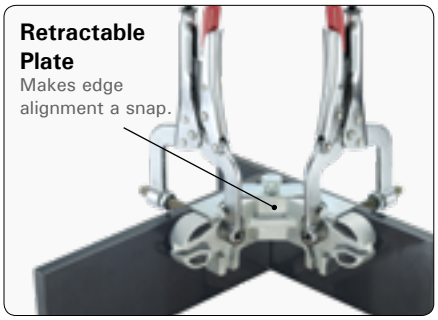


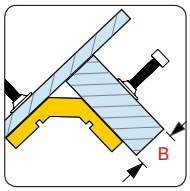
Capacity (B):
PL634 : 0 - 1-1/4"

PT634

The 90° Fixed JointMaster™

- Retractable plate for edge alignment
- V-Grooves for holding round pieces.
- Ideal for holding two pieces of different thicknesses that require individual adjustments.
- Comes with 2 pairs of pliers.



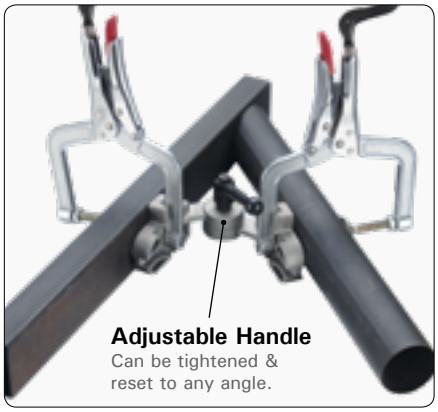


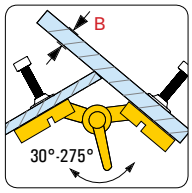
Capacity (B):
PT634 : 0 - 3"

PA634

The Adjustable JointMaster™

- Adjustable from 30° - 275°.
- Adjust to the desired angle & "lock" into position with the handle.
- Join round & flat workpieces, or materials with different thicknesses.
- Comes with 2 pairs of pliers.

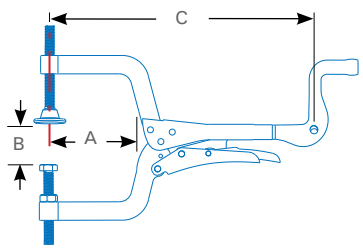




Capacity (B):
PA634 : 0 - 3"

PL / PT / PA Series

Spring-loaded top spindle + easy trigger + PATENTED crank handle

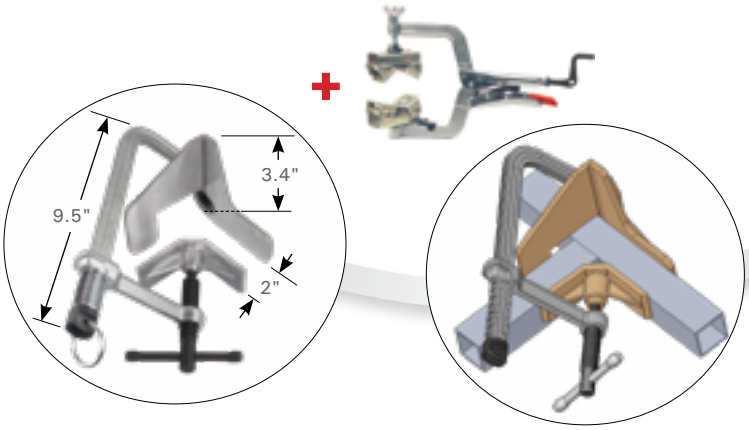


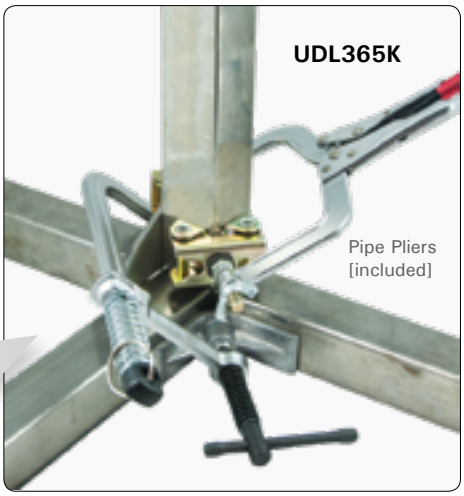
Part No.	Throat Depth (A) (in)	Max. Capacity (B) (in)	OAL (C) (in)	Weight (lb)
PL634	3	1-1/4	8-1/2	1.1
PT634	3	3	8-1/2	2.5
PA634	3	3	8-1/2	2.4

PORTABLE 3-AXIS CLAMP KIT

Kit includes: Spring Loaded L Clamp w/ 3-Axis Bracket + Pipe Pliers

- Light and easy to use. Set up 3-Axis stock before tack welding.
- Wide opening provides unobstructed welding access.
- **Pipe Pliers [included]** holds 3-axis stock in position; 1.5"- 2.5" capacity. 8.5" OAL.





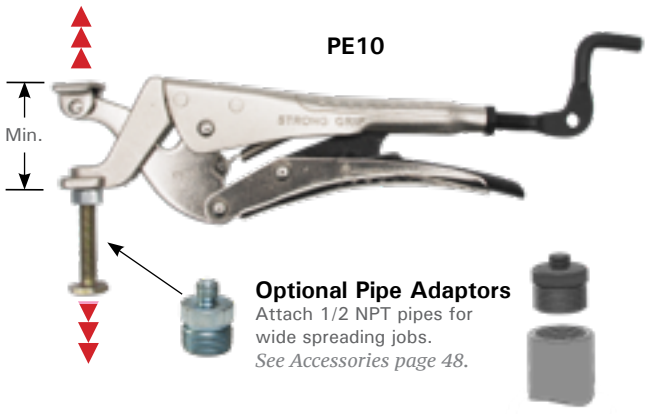
Pipe Pliers (Part No. PG635V) included in UDL365K

Part No.	Description	Weight (lb)
UDL365K	Kit includes: Spring Loaded L Clamp w/ 3-Axis Bracket (UDL365) + Pipe Pliers	3

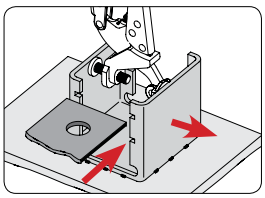
EXPAND-O™ PLIERS

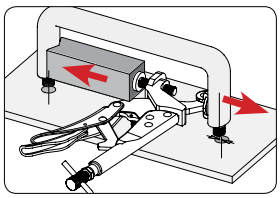
Unique, Reverse-Action Clamping Pliers!
Jaws move in opposite directions to push against two surfaces.

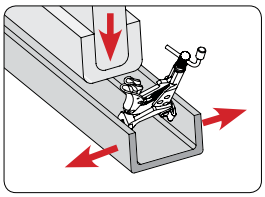
PATENTED

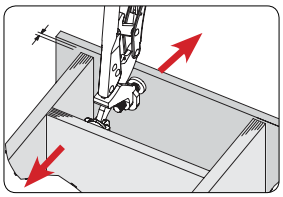


Optional Pipe Adaptors
Attach 1/2 NPT pipes for wide spreading jobs.
See Accessories page 48.


Expand brackets


Align to fit holes


Insert panel into U-Channel

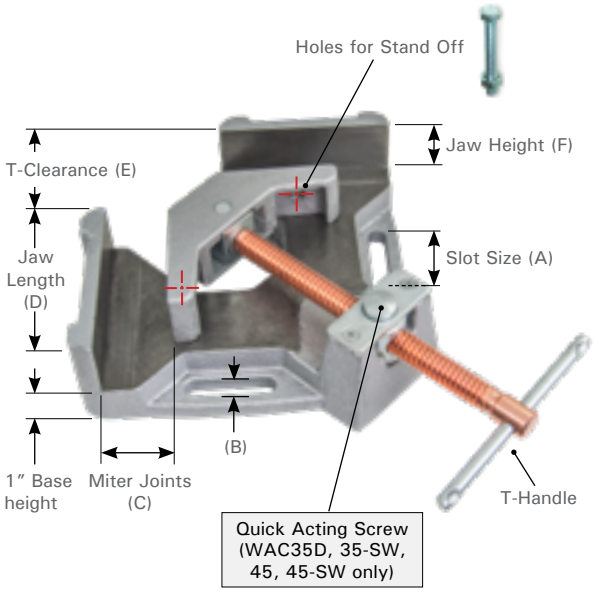

Separate cabinet

Part No.	OAL (in)	Clamping Pressure (lb)	Thread (in)	Min. (in)	Max. (in)	Weight (lb)
PE6	6-1/2	500	5/16-18	1	1-3/4	0.5
PE10	10	900	3/8-16	1-3/8	2-3/4	1.8

2-AXIS WELDERS ANGLE CLAMPS

Made with machined cast iron. Featuring these improvements:

- *WAC35D and WAC45 have Machined outside faces - usable for upright joint*
- Stand-off increases access
- Quick acting screw on deluxe models



Upright Position

Stand-Offs

T-Joints

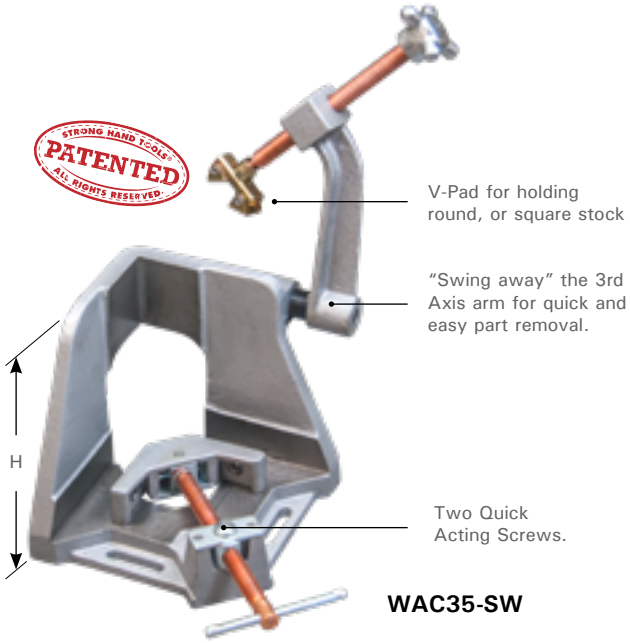
Tubes

3-AXIS WELDERS ANGLE CLAMPS

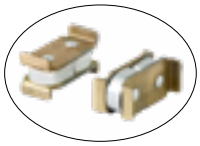
Holds a 3-axis workpiece in position before welding.

Features the QUICK ACTING SCREWS and "SWING AWAY" Arm.

Hold parts in position during cool down to minimize distortion due to contraction.

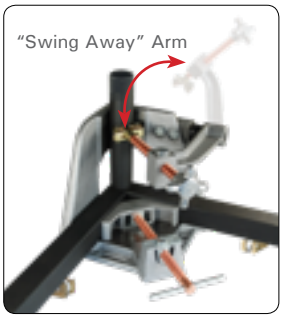


WAC35-SW



2 Magnetic Rest Blocks to support & level long stock!

FREE with models:
WAC35D, WAC45, and 3-Axis Fixture Vises: WAC35-SW, WAC45-SW.



	Part No.	Features					A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	H (in)	Weight (lb)
		Quick Acting Screw	2x Stand-offs	2x Magnetic Rest Blocks	Swing Away Arm	Machined on Outside Faces								
2-Axis	WAC22		√			√	1.4	0.42	2.50	3.1	1.85	1.28	-	6.0
2-Axis	WAC34		√				1.6	0.42	3.75	4.2	2.5	1.35	-	9.5
2-Axis	WAC35D	√	√	√		√	1.6	0.42	3.75	4.2	2.5	1.35	-	10.0
2-Axis	WAC45	√	√	√		√	2.0	0.42	5.00	5.2	4.0	2.45	-	22.0
3-Axis	WAC35-SW	√	√	√	√		1.6	0.42	3.75	4.8	2.5	1.38	8.25	24.0
3-Axis	WAC45-SW	√	√	√	√		2.0	0.42	5.00	5.2	4.0	2.45	9.50	35.0

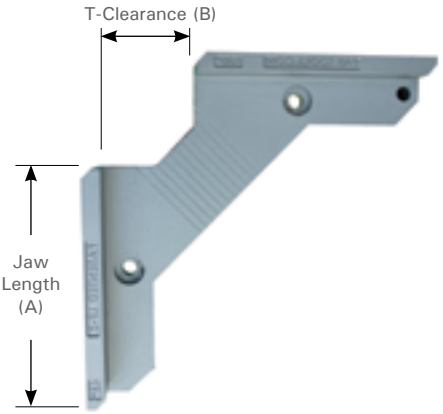
90° Tru AngL & Portable MagVise™

Time saving aluminum vises for use in the shop and in the field.

ALUMINUM 90° TRU-ANGL JIG

- Accurate Right Angle Fixture.
- Weld spatter proof aluminum alloy.
- Holds round, square, flat and angled shapes.
- Works on both the outside and inside surfaces.
- Can be held in a vise.

Part No.	A (in)	B (in)	Jaw Height (in)	Weight (lb)
LF-2	7	1-1/2	2-1/2	3.0



Held in vise

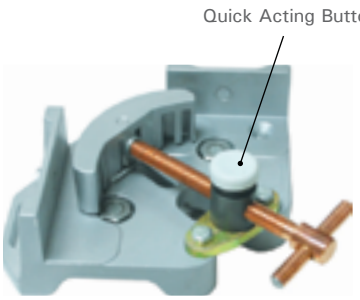
Used with pliers

PORTABLE MAGVISE™

Use the lightweight, compact Portable MagVise for quick 90° clamping in the shop, or in the field!

Magnets in the walls instantly hold pipes, tubes, angle iron, or metal plates in position for fast, accurate clamping at 90°.

Features the Quick-Acting Adjustable Spindle. Press and hold the Quick Acting Button and the spindle assembly slides in and out for a super fast set-up! Release the button and the threads re-engage for tightening.

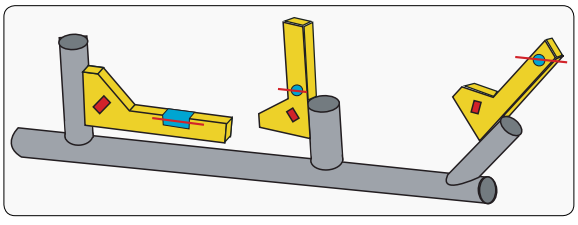


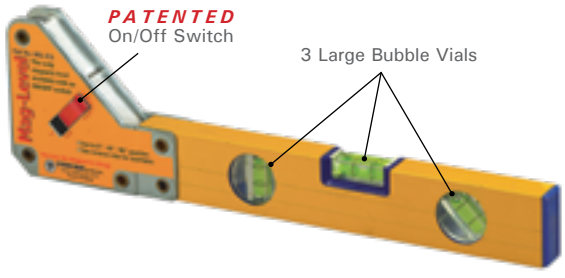
The rotatable spindle allows for holding work-pieces with different thicknesses.

Part No.	Features	Miter Joints (in)	Jaw Length (in)	T-Clearance (in)	Jaw Height (in)	Weight (lb)
WK50	MagVise™ with Adjustable Spindle	1	3.35	1.2	2	1.7

MAG-LEVEL

- The only magnetic level with the On/Off switch.
- Holds securely to round and flat surfaces.
- Three vials for 0°, 45°, 90° reading.





Part No.	Angles	Dimension (in)	Max. Pull Force (lb)	Weight (lb)
MSL-316	45°, 90°, 180°	4 x 16 x 1	70	2.0

*Magnetic force is based on 3/8" thick steel.

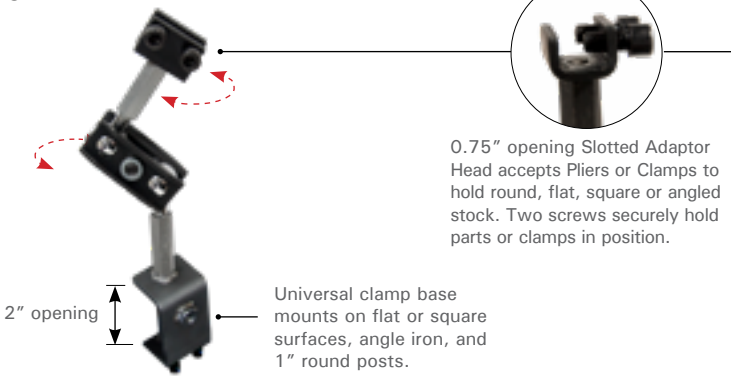
The Third Hand Modular Clamps

FULLY articulated, FULLY adjustable.

"Third Hand" positions your workpiece at any angle for full weld access. Use your THIRD HAND to elevate and firmly hold stock at the ideal angle and height while you weld, cut, sand or paint. Securely hold stock at any position with ball joint adjustment and locking.

Universal Clamp Base Model

HAS42

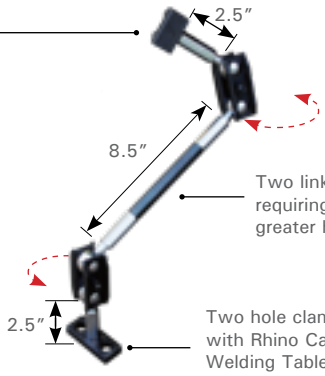


0.75" opening Slotted Adaptor Head accepts Pliers or Clamps to hold round, flat, square or angled stock. Two screws securely hold parts or clamps in position.

Universal clamp base mounts on flat or square surfaces, angle iron, and 1" round posts.

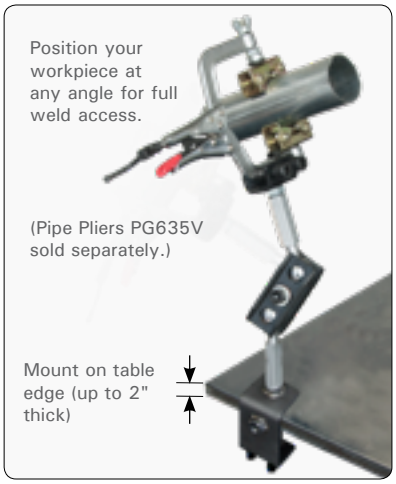
Welding Table Base Model

HAS40



Two links for applications requiring greater height or greater horizontal reach.

Two hole clamp base is compatible with Rhino Cart® and BuildPro® Welding Tables for mounting at any point on the tabletop.



(Use with Big Mouth Pliers)

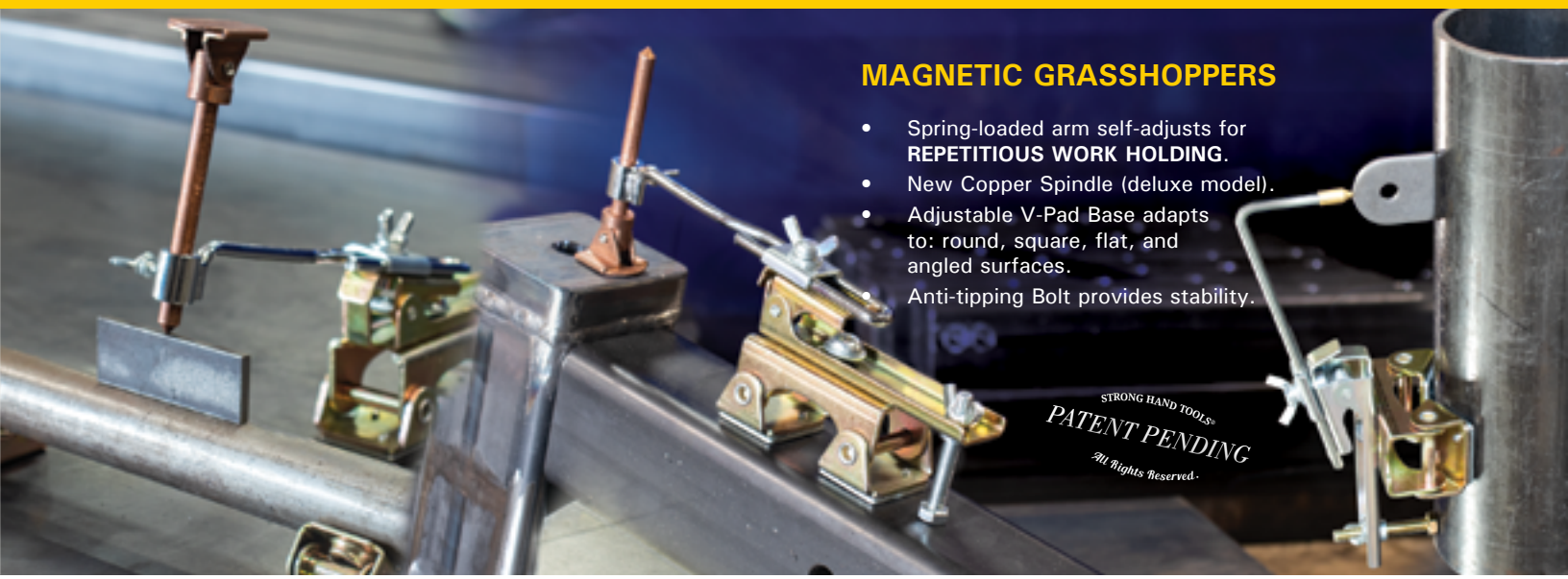
(Use with Utility Clamp UDV65)

Hold sheet metal / plexiglass.

Part No.	Description	Weight (lb)
HAS42	Universal C-Clamp Base Model	2.5
HAS40	Welding Table Base Model	3.5

Grasshoppers

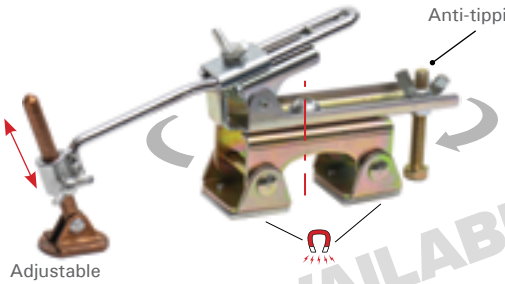
Use the "third hand" to steady parts for tack welding! Safe and convenient!



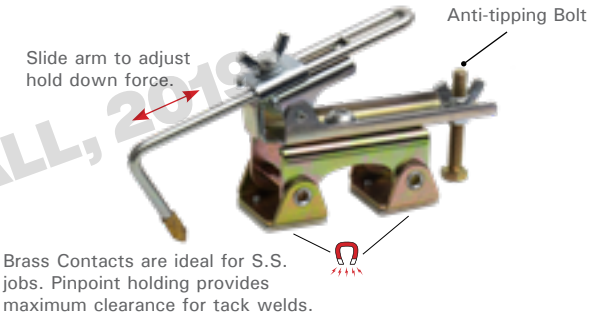
MAGNETIC GRASSHOPPERS

- Spring-loaded arm self-adjusts for **REPETITIOUS WORK HOLDING.**
- New Copper Spindle (deluxe model).
- Adjustable V-Pad Base adapts to: round, square, flat, and angled surfaces.
- Anti-tipping Bolt provides stability.

NEW ITEM



DELUXE Magnetic Model - **AGH240 / AGH270**



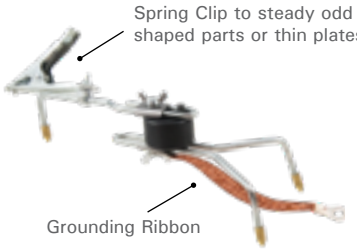
Magnetic Model - **AGH200 / AGH230**

AVAILABLE IN FALL, 2019

Part No.	Feature	Magnetic V-Pad Base	Anti-tipping Bolt	Max. OAL (in)	Width x Height (in)	Weight (lb)
AGH240	Copper Spindle	√	√	7.5	2.5 x 3.5	0.9
AGH270	Copper Spindle	√	√	10	4 x 4.5	1.7
AGH200	Brass Contact	√	√	8	2.5 x 3	0.7
AGH230	Brass Contact	√	√	9.2	4 x 4	1.4

⚠ ***Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.***

STANDARD GRASSHOPPERS

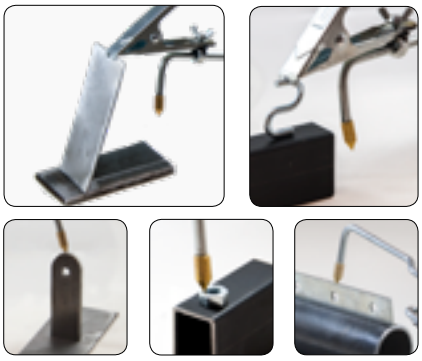


Pro Model - **AGH130P**

Arm and leg base are retractable for tight spot clamping and easy storage.

Econo Model - **AGH130**

Demo Video

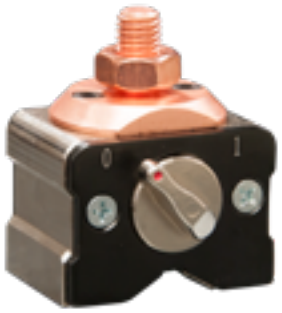


Part No.	Product Includes	Max. OAL (in)	Width x Height (in)	Weight (lb)
AGH130P	Three Brass Contacts, Copper Ribbon, Spring Clip Attachment	12	4.5 x 4	1.52
AGH130	Brass Contact	12	4.5 x 4	1.50

PowerBase™ & Ground Hog™ Grounding Tools

High clamping pressure improves arc stability and reduces power consumption.

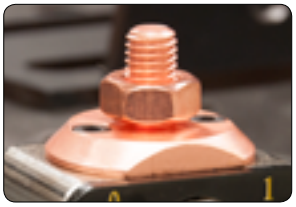
POWERBASE™ GROUNDING MAGNETS



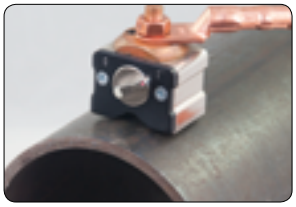
Turn OFF the PowerBase™ Grounding Magnet and metal chips fall away.

Power through your grounding applications! Start grounding instantly!

- The PowerBase™ Grounding Magnet sets up quickly and easily.
- Powerful rare earth magnet delivers heavy duty holding power.
- The "V" machined surface grips round parts.
- The copper connector stud allows for better conductivity.



Large copper connector for better conductivity.



Holds securely onto round or flat surfaces.

The ON/OFF Lever is easy to turn, even while wearing gloves.

Part No.	Amperage	Dimension (in)	Magnetic Force (lb)	Weight (lb)
GM203	300A @ 60% Duty Cycle	2 x 2 x 1.4	44	1.2
GM205	500A @ 60% Duty Cycle	2 x 2.75 x 1.4	110	2.4

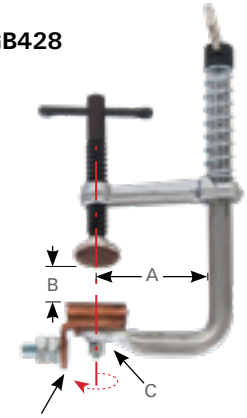
GROUNDING CLAMP

Clamping + Grounding at the same time.

Consistently rated at 300 AMPS

Solid, insulated copper U-Channel rotates for easy access and can attach to round / odd-shaped parts.

GB428



Insulated copper contact swivels

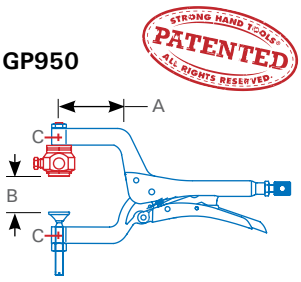
GROUND HOG™ CLAMP

Insulated Grounding Contact

The groove design on the copperhead seals out weld spatter and reduces particle buildup. Side screw provides a secure cable connection. Ground Hog body rotates for cable positioning.

- Controls the electrical current by isolating the contact surface and the cable connection.
- Improve arc stability and cable life, and reduce power consumption.

GP950



Ground Hog™

Rated at 450 AMPS @ 60% duty cycle (with 2/0 cable)

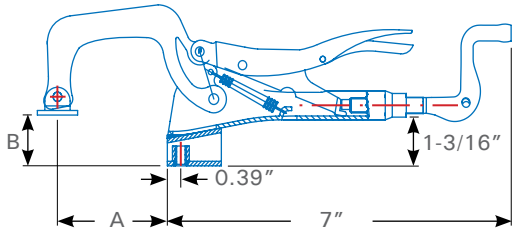
Part No.	Amperage / Cable Size	Throat Depth (A) (in)	Max. Capacity (B) (in)	Tapped Hole (C)	Clamping Pressure (lb)	OAL (in)	Weight (lb)
GB428	300A / --	2-1/2	3	1/4-20	220	7	0.8
GP950	450A / 2/0 - 0.427"	3-1/2	2-1/2	3/8-16	400	11	2.4

TABLE MOUNT LOCKING C-CLAMPS

Mounts directly to any work bench, drill press and fixtures.

- Mounting base hole accepts standard 5/16″-18 bolts and uses push-down action to hold your workpiece securely.
- Use the Crank-Handle for pressure adjustment.
- Rapid lock and release. Ideal for repetitious clamping.

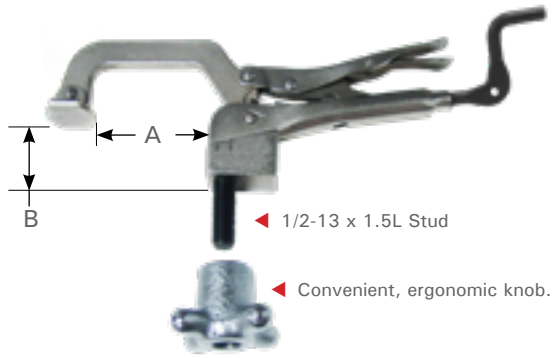
PTT934



Part No.	Throat Depth (A) (in)	Max. Capacity (B) (in)	Mount Thread	Weight (lb)
PTT934	3-3/8	4	5/16-18	1.6
PTT956	6-1/8	4-3/4	5/16-18	2.0

DRILL PRESS CLAMP

Secure the Drill Press Clamp to any surface, up to 1″ thick.



Drill Press Clamps quickly lock and release, making them ideal for repetitious clamping.

PTTD634

Part No.	A (in)	B (in)	Stud (in)	Weight (lb)
PTTD634	3	0 - 3.3	1/2-13 x 1.5 L	1.9

CRANK HANDLE FOR ALL OUR PLIERS

Can be purchased separately. *(See accessories page 48.)*

Add the crank handle accessory to the clamps or pliers to:

- Adjust torque with the pliers in the locked position.
- Pre-set the Pliers opening for repetitious clamping applications.
- Loosen the Pliers before unlocking.

Part No.	Thread	For Pliers
PXCM6	M6	For 5", 6", 8-1/2" Pliers
PXCM8	M8	For 7″, 8", 9" Pliers
PXCM10	M10	For 10", 11", 12" Pliers
PXCM12	M12	For 9", 10", 11", 14" Pliers

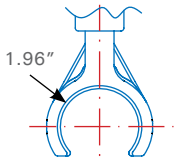
Half Clamp & Hold Down Clamp

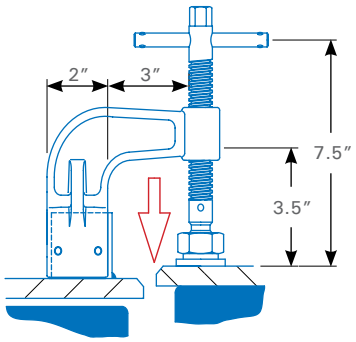
Hold down action clamps with unique features and accessories.

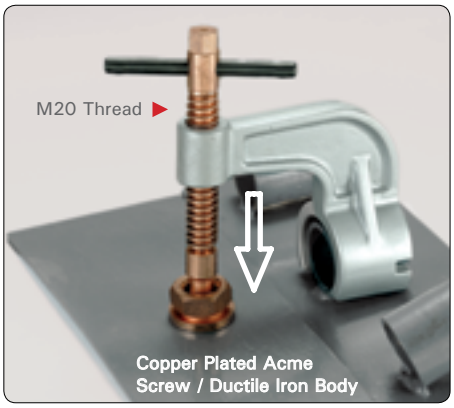
HALF CLAMP

The Efficient, Safe Way to Align Materials.
The DOG & WEDGE and CUT-OFF C-CLAMP methods of material alignment are messy, time consuming, and unsafe!

- Align materials in the fabrication of water tanks, bulkheads, deck sections, flat plates, etc.
- For big jobs, tack weld additional 1-7/8″ cut pipes along the joint.



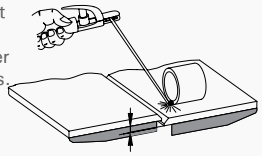




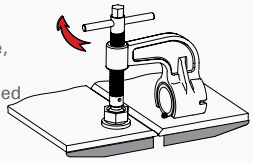
Part No.	Weight (lb)
VHC15	4.9

How to Use

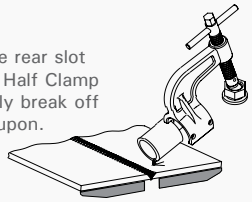
Tack weld the front side of 1-7/8″ pipe coupon to the lower of the two surfaces.



Slide Half Clamp onto the cut pipe, turn the handle until the misaligned materials align.



Use the rear slot on the Half Clamp to easily break off the coupon.

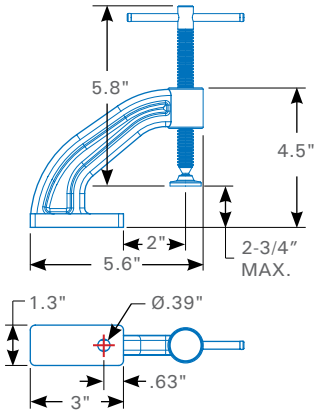


HOLD DOWN CLAMP

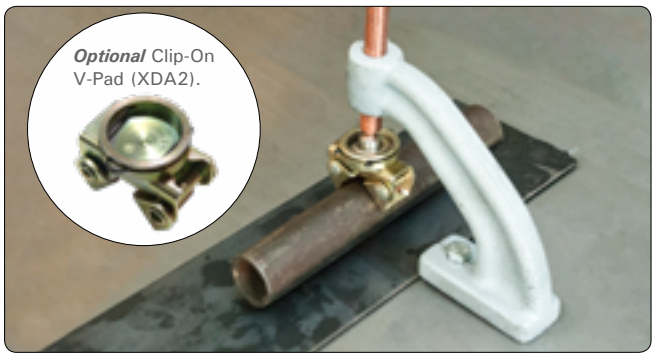
Bolt the clamp down to your worktable using the 3/8″ hole in the base.

- The 1/2″ copper plated Acme spindle resists weld spatter, and the swivel tip makes quick contact with your workpiece.
- Hold pipes by adding our Clip-On V-Pad, Part No. XDA2. *(See page 49 for details.)*

Copper Plated Acme Screw / Ductile Iron Body

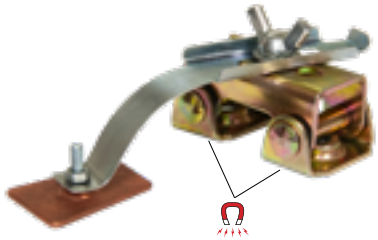


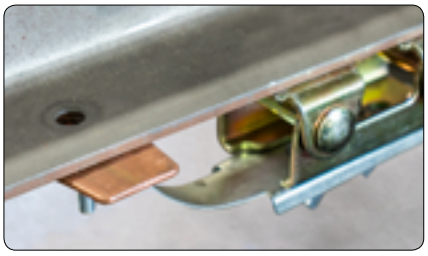
Part No.	Capacity (in)	Weight (lb)
VHD30	2-3/4	2.0



NEW ITEM

MAGNETIC PLUG WELDING TOOL





The hands-free tool for fast, high quality hole welds!

- The pivoting magnetic v-pad base quickly mounts on curved steel panels.
- The spring-loaded arm makes it easy to just "place and weld."
- Long arm protects the magnetic base from heat damage.

This handy, compact tool saves time and labor for efficient, clean welding of holes, joints, and seams in steel panels. Easy to use, even in tight, hard to reach spots.

The thick copper pad dissipates heat and won't stick to the weld. Get a precise, clean, higher quality flat weld with less panel distortion.

⚠ Must be used for tack welding only and removed before completing weld. Avoid prolonged exposure of magnetic products to heat sources of 176°F / 80°C.

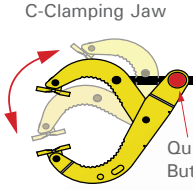
AVAILABLE IN FALL, 2019

Part No.	L x W x H (in)	Weight (lb)
AGK320	5.5 x 1.6 x 1.8	0.4

SHARK CLAMPS

Pivoting, hinged arms provide a wide opening. Fully supported screws and clamp pads prevent "twisting" when jaw pressure is applied. Inside serrations hold workpieces securely.

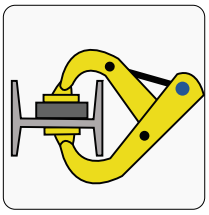
Part No.	Description	Max. Pull Force (lb)	Opening (in)	Weight (lb)
SC50	T-Handle	1,000	5	2.2
SC50A	Straight Handle	300	5	2.0
SC65	T-Handle	1,000	6-1/2	2.5
SC65A	Straight Handle	300	6-1/2	2.2

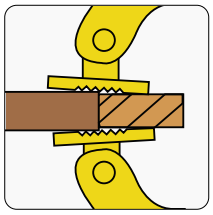


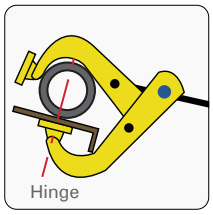
Fast Set-ups, just hold the button down and pull-push the handle to desired clamping position, release the button and turn the handle to tighten.

SC50A
Straight Handle Model w/ soft grip

SC50
T-Handle Model (Heavy Duty)


Step-Over Applications


Uneven Thicknesses

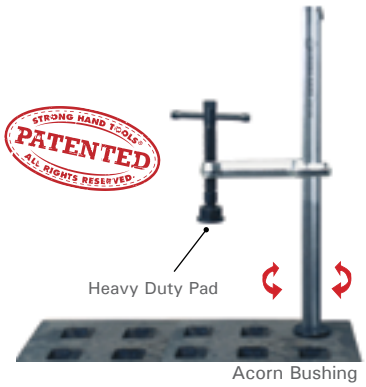


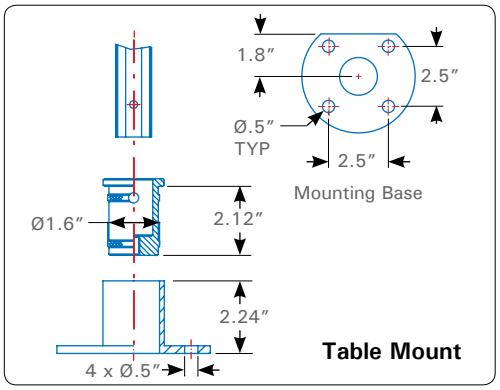
Clamp Round Parts

MODULAR PLATEN CLAMPS

For fast, secure clamping, simply insert the clamp into the 1-3/4" square hole in your acorn platen. Slide the clamp arm down to the work piece and turn the T-Handle to tighten.

- Choose from Acorn Bushing or Table Mount Models.
- Clamp comes with standard or heavy duty Swivel Pads.
- Unique *optional* Side-Kick Attachment provides push-action horizontal clamping force. *(See accessories page 48)*
- *Optional* V-Pads can be mounted on the Sliding Arm or Side-Kick Attachment. *(See accessories page 48)*





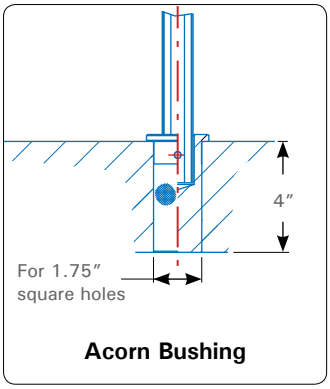


Table Mount

Part No.	Rail Size	Pad	Opening (in)	Throat (in)	Weight (lb)
UF8NC	"F"	Standard	8	4-3/4	4.9
UF10NC	"F"	Standard	10	4-3/4	4.9
UF12NC	"F"	Standard	12	4-3/4	5.4
UM12NC	"M"	HD	12	5-1/2	8.0
UM16NC	"M"	HD	16	5-1/2	8.7
UM20NC	"M"	HD	20	5-1/2	9.4

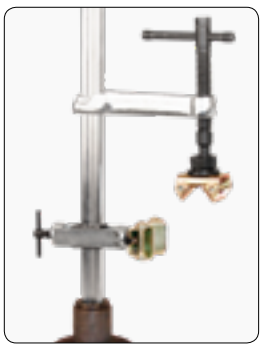
Acorn Bushing

Part No.	Rail Size	Pad	Opening (in)	Throat (in)	Weight (lb)
UF8NA	"F"	Standard	8	4-3/4	5.0
UF10NA	"F"	Standard	10	4-3/4	5.2
UF12NA	"F"	Standard	12	4-3/4	5.4
UM12NA	"M"	HD	12	5-1/2	8.0
UM16NA	"M"	HD	16	5-1/2	8.8
UM20NA	"M"	HD	20	5-1/2	9.6

SCREW-ON V-PAD

Attach to the top of Utility Clamps equipped with Heavy Duty Pads.
(See Page 49 for details.)

XMA



SLIDE-ON SIDEKICKS

Mount onto Clamps for 2-axis horizontal clamping.
(See Page 48 for details.)

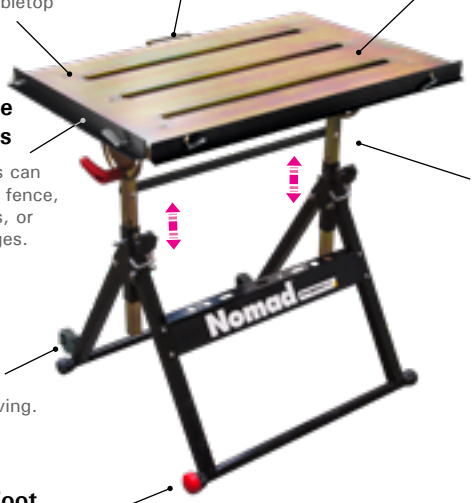
XFS / XGS / XMS

XDS

NOMAD™ Economy Welding Table & Tool Kit

Very Affordable. Fully Adjustable. Easily Movable.

The Nomad Economy Welding Table is engineered to provide a safe, transportable, affordable, and versatile welding surface.



Unique 1.1″ Slots

Allow for clamping **AT ANY POINT**.

Retractable Guide Rails

On two sides can be used as a fence, guides, stops, or clamping edges.

Adjustable Height

Table height adjusts from 26″ - 32″.

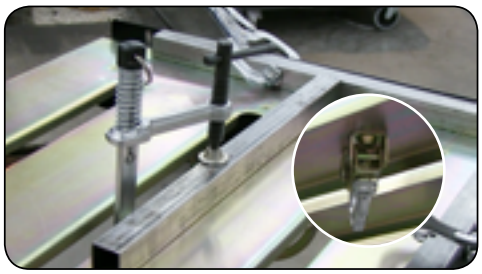
Casters

For easy moving.

Eccentric Leveling Foot

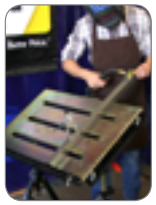
Stabilize the table on uneven surfaces.

Demo Video



The MagSpring™ Clamps can be inserted into the 1.1" slots on the Nomad™ Tabletop for hold down clamping. Magnetic V-Pad jaw holds underneath the table to keep the clamp in the up-right, "ready to use" position.

Flat



30°

Folded

Part No.	Tabletop Size (in)	Table Height Range (in)	Slot in Tabletop (in)	Table Positions	Load Capacity (lb)	Weight (lb)
TS3020	30 W x 20 L	26 - 32	1.1	0°, 30°, Folded	350	44

The Nomad Economy Tool Kit is ideal for clamping and positioning stock on the Nomad Table.

Nomad™ Economy Tool Kit

Part No. TSK104

MagSpring™ Clamps
- Spring loaded arm for fast opening.

Multi-Angle Magnet
- Hold stock at: 30°, 60°, 45°, 90°.

Mini Magnet
- Low profile for tight space holding.

Magnetic V-Pad
- Hold and elevate round, square, flat and angled stock.

2 **MagSpring™ Clamps** (UBV45 - 3″ Cap.)

1 **Multi-Angle Magnet** (MS346C)

1 **Mini Magnet** (MS346A)

2 **Adjustable Magnetic V-Pads** (XDV4 - 4 magnets)

NOMAD™ CONNECTOR PLATE

Need more tabletop workspace? Use the Nomad™ Connector Plate to join two Nomad Tables together to create a 7.5′ long workstation!

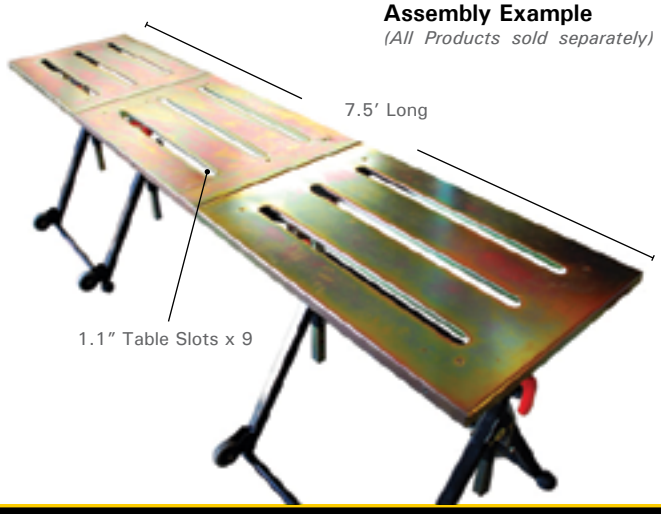
Clamp and work on larger projects, or multiple projects with the fully adjustable work surface! There are thru holes on all four sides of the Connector Plate for multiple mounting options.

TSL30 (Includes all mounting screws)

Part No.	Weight (lb)
TSL30	16.4

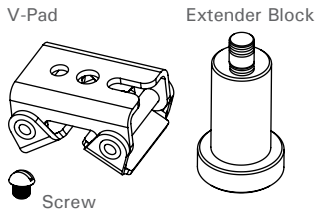
Assembly Example

(All Products sold separately)



4-IN-1 PACKAGES (FOR U-CLAMPS)

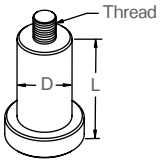
Convert all Utility Clamps into 4-IN-1 Clamps. Includes a V-pad, an Extender Block, and a screw.



P/N	V-Pad	Extender Block	For Clamps
XDVB	XDV	XDB1	UD Series
XFVB	XFV	XFB	UE, UF, UG
XMVB	XMV	XMB2	UM, UP Series
XPVB	XPV	XPB3	UP Series

EXTENDER BLOCKS (FOR U-CLAMPS)

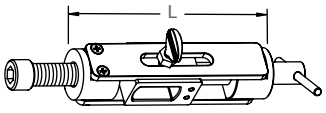
Attach to U-Clamps for Step-Over and Spreading applications.



P/N	Thread	D	L	For Clamps
XDB1	5/16-18	5/8"	1"	UD Series
XFB	3/8-16	45/64"	2"	UE, UF, UG Series
XMB2	3/8-16	7/8"	2"	UM, UP Series
XPB3	3/8-16	1-1/8"	3"	UP Series

SIDEKICKS (FOR U-CLAMPS)

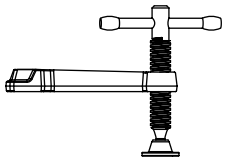
Mount onto U-Clamps for 2-axis horizontal clamping.



P/N	L	Stroke	For Clamps
XDS	3-1/8"	1"	UD Series
XFS	4-3/8"	1-3/8"	UF Series
XGS	4-3/8"	1-3/8"	UG Series
XMS	4-3/8"	1-3/8"	UM Series

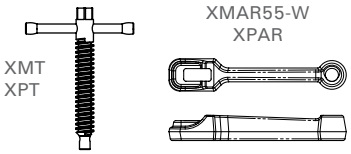
U-CLAMPS REPLACEABLE PARTS

Replaceable Arm & Spindle Kits



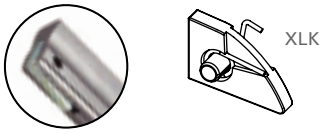
P/N	For U-Clamps Series
XDR	UD Series
XER	UE Series
XFR	UF Series
XGR	UG Series
XMR2	UM (Equipped with HD Pad)
XMRP2	UM (Equipped with Standard Pad)
XPR	UP Series

Individual Clamp Arms & Spindles



P/N	Description
XMT	Spindle for UM Series
XPT	Spindle for UP Series
XMAR55-W	Clamp Arm for UM Series
XPAR	Clamp Arm for UP Series

Spring Stop Replacement Kit

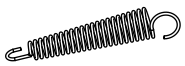


P/N	Description
XLK	For UE, UF, UG & UM Series clamps.

PLIERS REPLACEMENT PARTS

Spring & Adjustment Bolt

Spring - 4 per set
PXS11
PXS6

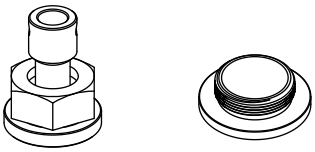


Adjustment Bolt
PXB11
PXB6

P/N	For Pliers
PXS11	11" Pliers
PXS6	6" & 8-1/2" Pliers
PXB11	11" Pliers
PXB6	6" & 8-1/2" Pliers

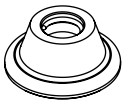
REPLACEABLE PADS

Heavy Duty Replacement joints and pads for UM & UP clamps.



P/N	Description
XMJ	Joint & Pad Kit for UM & UP Clamps
XMA1	Replacement Pad only

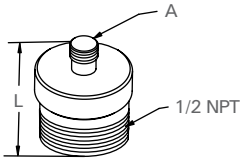
Spring-loaded standard pads



P/N	For U-Clamps Series
XDP	UB, UD Series
XFP	UE, UF, UG Series

PIPE ADAPTORS (FOR EXPAND-O)

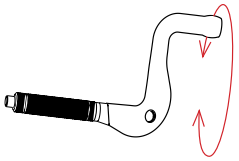
Attach to Expand-O Pliers for wide spreading jobs and U-Clamps for Step-Over applications.



P/N	L	A	For Expand-O	For Clamps
XDJ	1-1/16"	5/16-18	PE6	UD Series
XFJ	1-5/32"	3/8-16	PE10	UE, UF, UG, UM, UP

CRANK HANDLES (FOR PLIERS)

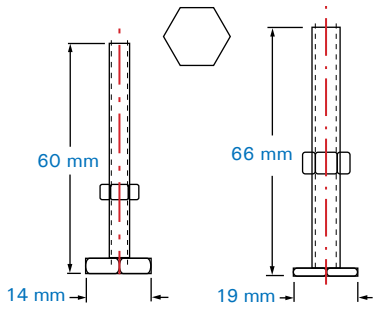
For all Strong Hand Tools® Pliers.



P/N	Thread	For Pliers
PXCM12	M12	9", 10", 11", 14" Pliers
PXCM10	M10	10", 11", 12" Pliers
PXCM8	M8	7", 8", 9" Pliers
PXCM6	M6	5", 6", 8-1/2" Pliers

BIG HEX SPINDLES (FOR PLIERS)

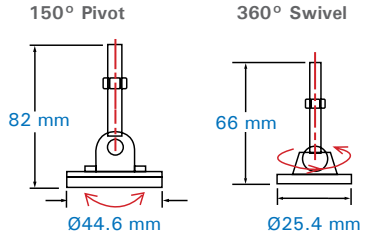
For Multi-Purpose Pliers.



P/N	Thread	Length
854715M	M8	60 mm
854714M	M10	66 mm

SWIVEL / PIVOT PADS (FOR PLIERS)

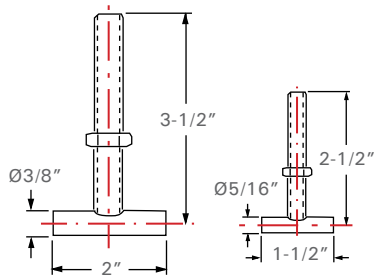
Flat pads pivot at 150° and round pad swivels at 360°.



P/N	Thread	Height	Pad OD
854944M (Pivot)	M10	82 mm	Ø44.6 mm
854940M (Swivel)	M10	66 mm	Ø25.4 mm

T-STRAP BOLTS

For Step-Over applications.

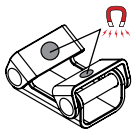


P/N	Thread	Length
840435	3/8-16	3-1/2″
840335	5/16-18	2-1/2″

MAG. V-PADS (2 MAGNETS)

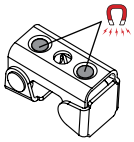
Rare earth magnetic V-Pads for holding round and angled pipes.

(Pad Face only):



XDV2 / XFV2

(Bottom only):



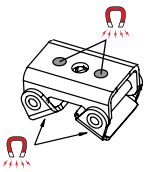
XDV3 / XFV3

P/N	Thru Hole	For Clamps	For Pliers
XDV2	5/16	UD Series	PG622 / PG634
XDV3	5/16	--	--
XFV2	13/32	UE, UF, UG Series	PG114 / PG134 PG204 / PGA20
XFV3	13/32	--	--

MAG. V-PADS (4 MAGNETS)

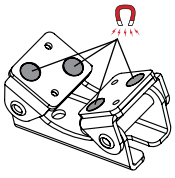
Rare earth magnetic V-Pads for holding round and angled pipes.

(Face & Bottom):



XDV4 / XFV4

(Pad Face only):

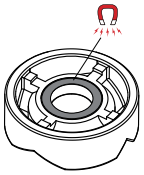


XNV2 / XNV210

P/N	Thru Hole	For Clamps
XDV4	5/16	--
XFV4	13/32	--
XNV2	13/32	UM, UP Series
XNV210	M8	--

MAGNETIC TOP V-PADS

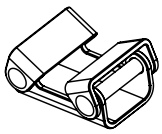
Add the magnetic top V-Pad onto the swivel pad to hold round, square, flat, and angled stock.

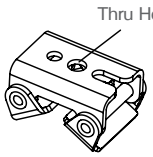


P/N	Material	For Clamps	For Pliers
T54217	Aluminum	UB, UD Series	PTT522K
T54219	Aluminum	UE, UF, UG Series	PTT634K, PTT934K, PTT956K

STANDARD V-PADS

To hold round & angled workpieces.

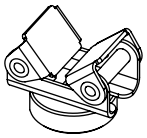




P/N	Material	Thru Hole	For Clamps	For Pliers
XDV		5/16	UD Series	PG622 / PG634
XFV		13/32	UE, UF, UG Series	PG114 / PG134 PG204 / PGA20
XMV		13/32	UM, UP Series	--
XPV		13/32	UP Series	--
XDVS	Stainless Steel	5/16	UD Series	PG622 / PG634
XFVS	Stainless Steel	13/32	UE, UF, UG Series	PG114 / PG134 PG204 / PGA20
XMVS	Stainless Steel	13/32	UM, UP Series	--

TOP V-PADS (FOR U-CLAMPS)

Attach to the top of Utility Clamps equipped with Standard Pads.

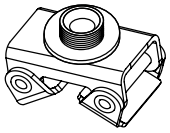


» For Light Duty & Value Series

P/N	Material	For U-Clamps Series
XDA2		UD Series
XFA2		UE, UF, UG Series
XMA2		UM, UP Series
XDA2S	Stainless Steel	UD Series
XFA2S	Stainless Steel	UE, UF, UG Series
XMA2S	Stainless Steel	UM, UP Series

Screw-On V-Pads

Attach to the top of Utility Clamps equipped with Heavy Duty Pads.



» For Regular and Heavy Duty Series

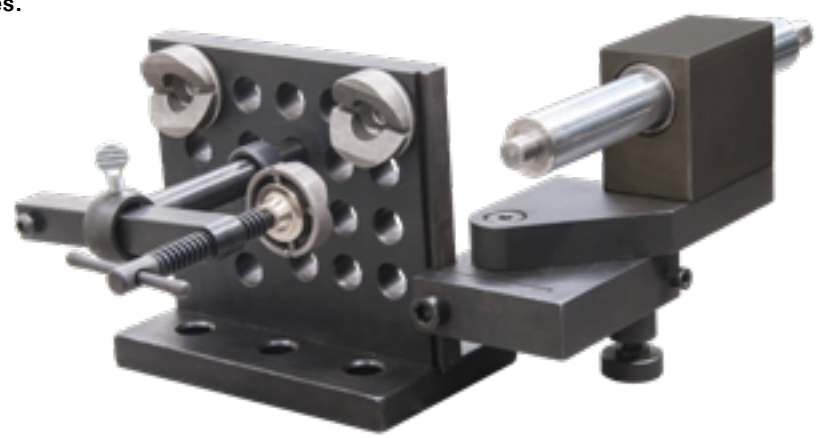
P/N	Material	For U-Clamps Series
XMA		UM, UP Series
XMAS	Stainless Steel	UM, UP Series

Modular BuildPro® Tube & Pipe Notcher

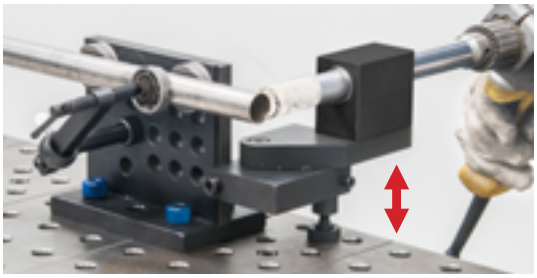
Notch tubes and pipes at the accurate angle and length.

www.BuildProTables.com

Mount your BuildPro® Tube & Pipe Notcher on the: BuildPro®, Rhino Cart®, or FixturePoint™ Welding Tables or BuildPro® Fixturing Plates.

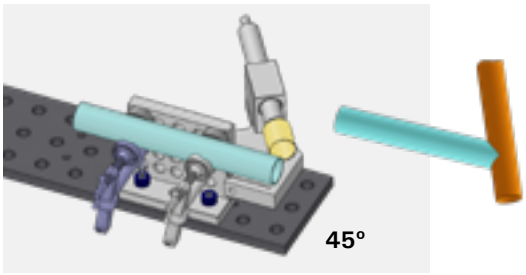


The 1st notch in a tube or pipe is easily completed with a drill press. The BuildPro® Tube & Pipe Notcher makes alignment and length control of the 2nd notch easy to complete accurately.

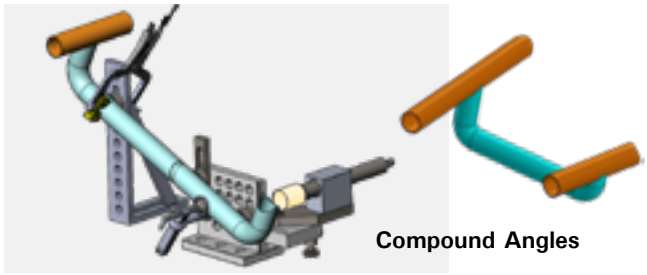


Notch 1"– 2-1/2" OD pipes or square tubes at any angle, or off-center. Position the two V-Blocks and clamp as needed.

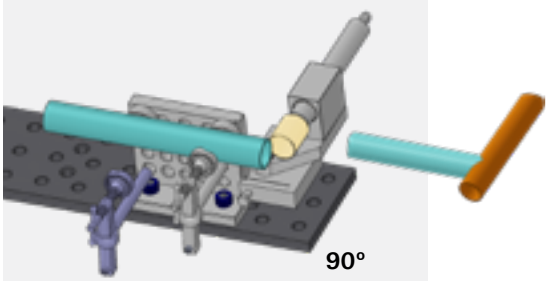
In the examples below, the BuildPro® Tube & Pipe Notcher is used to notch workpieces as needed to fit seamlessly into a final assembly:



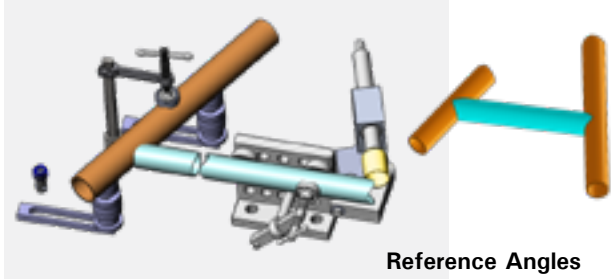
45°



Compound Angles



90°



Reference Angles

Toggle Clamps

Ideal time-saving jig and fixture clamps.

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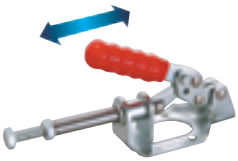
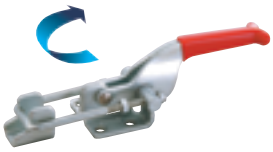
Vertical Handle Hold Down Action

Horizontal Handle Hold Down Action

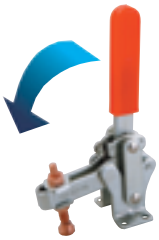
Push/Pull Straight Line Action



Latch Type Pull Action

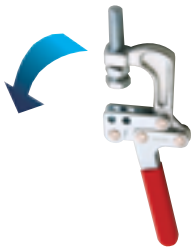


Cam Type Hold Down Action



Toggle Pliers Squeeze Action

F-Type Pull Down Action



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