



StrongHandTools®

2015

STRONG HAND TOOLS

METRIC

CATALOG

www.stronghand.eu

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

*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 30 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, Welding Magnetic 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.

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Specialty Magnetic Clamps

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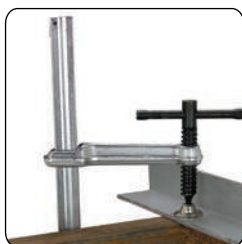
38



ONE Clamp... FOUR functions.



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



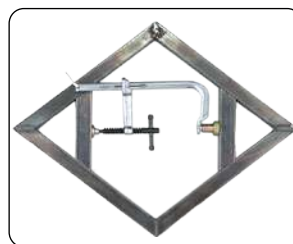
1. Standard

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.

See large V-Pad Below

4-IN-1™ Utility Clamping System

Part No.	Capacity (mm)	Throat Depth (mm)	Clamping Pressure (kg)	Pads	Rail Size (mm)	Tapped Hole	Weight (kg)
UD45M-C3	114	83	230	Standard	16 x 8	M8	0.6
UF65M-C3	165	120	450	Standard	22 x 11	M10	1.3
UG85M-C3	216	120	550	Standard	25 x 12	M10	1.9
UG125M-C3	320	120	550	Standard	25 x 12	M10	2.1
UG1257M-C3	320	180 * Deep Throat	360	Standard	25 x 12	M10	2.9
UM85PM-C3	216	140	1,100	Standard	30 x 14	M10	3.0
UM125M-C3	320	140	1,100	Heavy Duty	30 x 14	M10	3.5
UM165M-C3	420	140	1,100	Heavy Duty	30 x 14	M10	4.0
UM205M-C3	520	140	1,100	Heavy Duty	30 x 14	M10	4.5
UP205M-C3	520	180 * Deep Throat	2,200	Heavy Duty	40 x 19	M10	7.3

4-in-1 Accessory Pack

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

Create your 4-IN-1 Kit with the 4-IN-1 Accessory Pack! (See detailed dimensions at page 37)



Part No.	Description	Weight (kg)
XDVB	For UD Models (Includes XDVB, XDB1M)	0.1
XFVB	For UE, UF, UG Models (Includes XFV, XFBM)	0.3
XMVB	For UM, UP Models (Includes XMV, XMB2M)	0.5
XPVB	For UP Models (Includes XPV, XPB3M)	0.9

Utility Clamps

Utility Clamps set-up 10x faster than a C-Clamp! Create your 4-IN-1 Kit with the 4-IN-1 Accessory Pack!

Heavy Duty



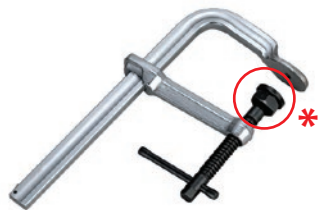
- Clamping Pressure: 2,200 kg
- Throat Depth: 180 mm

* Heavy Duty Replaceable Pads

Part No.	Capacity (mm)	Throat Depth (mm)	Clamping Pressure (kg)	Rail Size (mm)	Tapped Hole	Weight (kg)
UP125M	320	180	2,200	40 x 19	M10	5.6
UP165M	420	180	2,200	40 x 19	M10	6.2
UP205M	520	180	2,200	40 x 19	M10	6.8
UP245M	622	180	2,200	40 x 19	M10	7.5
UP315M	800	180	2,200	40 x 19	M10	7.6
UP405M	1,020	180	2,200	40 x 19	M10	10.0
UP605M	1,537	180	2,200	40 x 19	M10	12.7

Regular Duty

- with Heavy Duty Pads



- Clamping Pressure: 1,100 kg
- Throat Depth: 140 mm

* Heavy Duty Replaceable Pads

Part No.	Capacity (mm)	Throat Depth (mm)	Clamping Pressure (kg)	Rail Size (mm)	Tapped Hole	Weight (kg)
UM85M	216	140	1,100	30 x 14	M10	2.7
UM125M	320	140	1,100	30 x 14	M10	3.2
UM165M	420	140	1,100	30 x 14	M10	3.5
UM205M	520	140	1,100	30 x 14	M10	4.0

Regular Duty

- with Standard Pads



- Clamping Pressure: 1,100 kg
- Throat Depth: 140 mm
- Standard Pads

Part No.	Capacity (mm)	Throat Depth (mm)	Clamping Pressure (kg)	Rail Size (mm)	Tapped Hole	Weight (kg)
UM85PM	216	140	1,100	30 x 14	M10	2.9
UM105PM	267	140	1,100	30 x 14	M10	3.0
UM125PM	320	140	1,100	30 x 14	M10	3.1

All Strong Hand Tools® Utility Clamps are made of high quality heat treated steel and nickel / chrome plated for strength and durability.

Light & Medium Duty



UD Series with Key Ring Stop



UE, UF, UG Series with Spring Stop

- Clamping Pressure: 230 - 550 kg
- Throat Depth: 83 - 180 mm
- Standard Pads

Part No.	Capacity (mm)	Throat Depth (mm)	Clamping Pressure (kg)	Rail Size (mm)	Tapped Hole	Weight (kg)
UD45M	114	83	230	16 x 8	M8	0.4
UD85M	216	83	230	16 x 8	M8	0.6
UF65M	165	120	450	22 x 11	M10	1.1
UF100M	254	120	450	22 x 11	M10	1.3
UG85M	216	120	550	25 x 12	M10	1.6
UG125M	320	120	550	25 x 12	M10	1.8
UG205M	520	120	550	25 x 12	M10	2.2
UG1257M	320	180 * Deep Throat	360	25 x 12	M10	2.7
UG1657M	420	180 * Deep Throat	360	25 x 12	M10	3.0
UG2057M	520	180 * Deep Throat	360	25 x 12	M10	3.2

J-Clamp Step-Over



UD, UF, UG Series



UM Series

* Heavy Duty Replaceable Pads

Part No.	Capacity (mm)	Throat Depth (mm)	Clamping Pressure (kg)	Rail Size (mm)	Tapped Hole	Weight (kg)
UF100JM	254	120 (75)	450	22 x 11	M10	1.5
UG105JM	267	120 (75)	550	25 x 12	M10	2.3
UM125JM	320	140 (120)	1,100	30 x 14	M10	3.7
UM165JM	420	140 (120)	1,100	30 x 14	M10	4.0
UM205JM	520	140 (120)	1,100	30 x 14	M10	4.2

Screw-on V-Pads

Attach to the top of Utility Clamps equipped with Heavy Duty Pads.
(See Page 37 for accessories details.)

XMA



Slide-on Sidekicks

Mount onto Clamps for 2-axis horizontal clamping.
(See Page 37 for accessories details.)

XFSM / XGSM / XMSM



XDSM



Ratchet Action & MagSpring™ Clamps

Quick-Set Clamps for fast, convenient clamping.

Ratchet Action Utility Clamps

Ratchet mechanism ensures rapid, vibration and torsion resistant clamping.

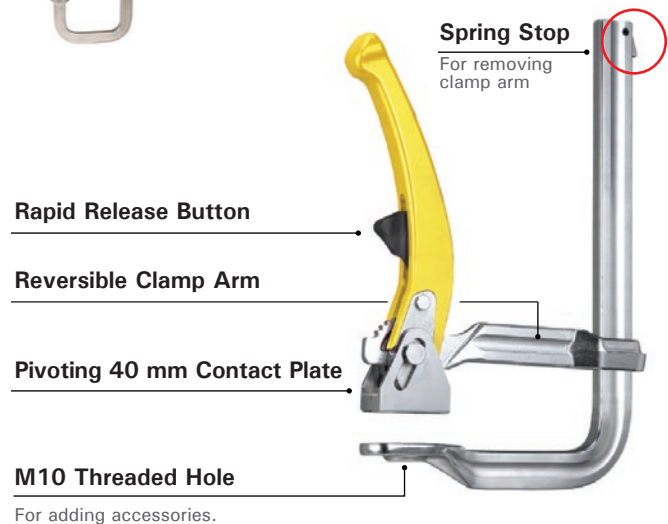
- Clamping Pressure: 460 - 550 kg
- Throat Depth: 120 mm
- Tapped Hole: M10

Part No.	Capacity (mm)	Clamping Pressure (kg)	Rail Size (mm)	Weight (kg)
UF65RM	180	450	22 x 11	1.2
UF100RM	254	450	22 x 11	1.3
UF100JRM	254	450	22 x 11	1.4
UG85RM	216	550	25 x 12	1.6
UG125RM	320	550	25 x 12	2.2
UG205RM	520	550	25 x 12	2.6



UF100JRM

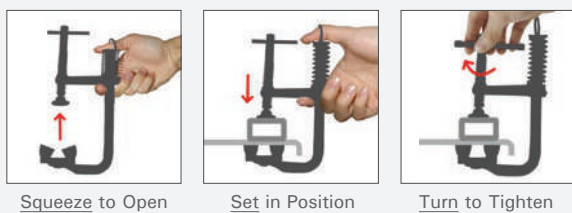
Sturdy J-shaped 76 mm return for step-over applications.



MagSpring™ Clamps

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

Quick & Easy to Use!



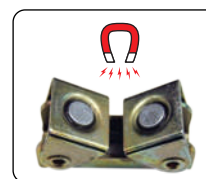
The Spring Loaded Arm in conjunction with the magnetic V-Pad allows users to free up one hand to position the workpiece.

- Tapped Hole: M6



Spring Loaded Arm

The MagSpring™ holds onto metal, wood and synthetic materials.



Adjustable Magnetic V-Pad

Instantly adjusts for different shapes: round, flat, and angle steel surfaces.

Part No.	Capacity (mm)	Throat Depth (mm)	Clamping Pressure (kg)	Weight (kg)
UBV45M	75	64	140	0.4
UBV65M	115	64	140	0.4
UDV45M	75	83	230	0.5
UDV65M	115	83	230	0.5

EZ Grip Ratchet & Economy Light Duty Clamps

Multi-Purpose Clamps for woodworking and metalworking.

EZ Grip Ratchet Clamps

The lightweight, Quick-Set Ratchet Clamp

- Ideal for firm, no-mar holding of aluminum, wood and non-metallic materials.
- Hold delicate materials securely in drilling, cutting, assembly, or bending applications. Great for assembly work.
- The lightweight clamp is easy to handle, easy to set, lock, and release.
- Max. Clamping Pressure: 120 kg
- Throat Depth: 76 mm

Part No.	Capacity (mm)	Rail Size (mm)	Weight (kg)
VER45	114	19 x 6	0.3
VER85	216	19 x 6	0.4
VER125	320	19 x 6	0.6
VER165	420	19 x 6	0.7

Pull Finger-Loop

For one finger locking.

Press Release Trigger

Nylon (Non Marring) Surfaces

Protects work surfaces

Step Over

Included accessories:

Non Marring Slip On Pads
Neoprene cap



50 mm Extender Block

Part No: VER01

For Step-Over applications.
Snaps into jaw hole.

Economy Light Duty

- Clamping Pressure: 140 kg
- Throat Depth: 65 mm
- Standard Pads



Part No.	Capacity (mm)	Rail Size (mm)	Tapped Hole	Weight (kg)
UB45AM	114	13 x 6	M6	0.4
UB65AM	165	13 x 6	M6	0.4
UB85AM	216	13 x 6	M6	0.5
UB125AM	320	13 x 6	M6	0.5
UB165AM	420	13 x 6	M6	0.6
UB205AM	520	13 x 6	M6	0.6

Non-Marring Rubber Pads

Slip-on top and bottom clamp jaws to protect wood, metal, or synthetic work surfaces.

Each package contains 2 sets.



Part No.	Description	Weight (kg)
XBP2	For UB model clamps	0.02
XDP2	For UD model clamps	0.02
XEP2	For UE model clamps	0.03
XFP2	For UF model clamps	0.03
XGP2	For UG model clamps	0.04

Adjust-O™ Magnet Squares

The **original** magnet squares featuring On/Off switches.



“

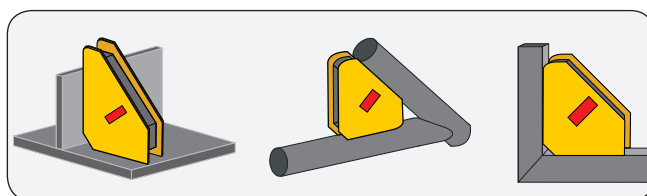
It's so much easier to set-up and hold my work with the On & Off Adjust-O Magnets because I'm not fighting the magnetic force.”

- Jason T.

Adjust-O™ Magnet Squares

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

- Turn the magnet Off 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.

The On/Off switch



MSA46-HD
MSA48-HD
45°, 90°



MSA53-HD
Multi-Angles: 30°, 45°, 60°, 90°

Part No.	Max. Pull Force (kg)	Dimension (mm)	Weight (kg)
MSA46-HD	40	111 x 95 x 29	0.7
MSA48-HD	75	152 x 130 x 35	1.4
MSA53-HD	65	152 x 130 x 35	1.4

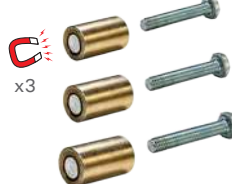
*Magnetic force is based on the longest side of Magnet w/ 10 mm thick steel.

3rd-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™ Angle Magnet Squares

Angle magnet squares with the convenience of On/Off switches.

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 55 - 120 kg pull force.



MS2-80

55 kg Max. pull force



MS2-90

120 kg Max. pull force



Part No.	Max. Pull Force (kg)	Dimension (mm)	Weight (kg)
MS2-80	55	152 x 152 x 38	1.2
MS2-90	120	197 x 197 x 48	2.7

*Magnetic force is based on 10 mm thick steel.

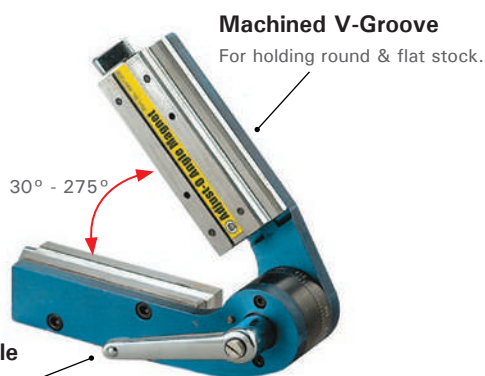
Adjust-O™ Angle Magnet

- 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.

MAV120



2 x ON/OFF Switch



Machined V-Groove
For holding round & flat stock.

Adjustable Handle
For setting & locking the desired angle.



Part No.	Angles	Max. Pull Force (kg)	Dimension (mm)	Weight (kg)
MAV120	30° - 275°	50	197 x 197 x 95	2.4

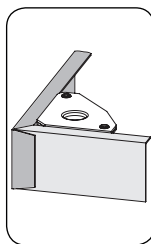
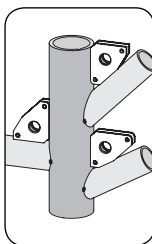
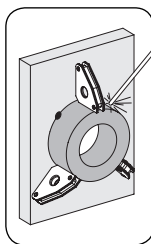
*Magnetic force is based on 10 mm thick steel.

Mini & XYZ Magnet Squares

Set-up 2 or 3-Axis stock at multiple angles.

Mini Magnet Squares

- At just 60 mm in height, Mini Magnets 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 for greater accuracy in fixturing with odd-shaped stock.
- Perfect for use around the shop, and compact enough to carry along for use out in the field.



MS346AT
Mini Multi Angle

Part No.	Angles	Max. Pull Force (kg)	Dimension (mm)	Weight (kg)
MS346AT Twin Pack	30°, 60° 45°, 90°	10	59 x 50 x 16	0.3
MS346AK 6-Pack	30°, 60° 45°, 90°	10	59 x 50 x 16	0.8

*Magnetic force is based on the longest side of Magnet with 10 mm thick steel.

XYZ Magnet Squares

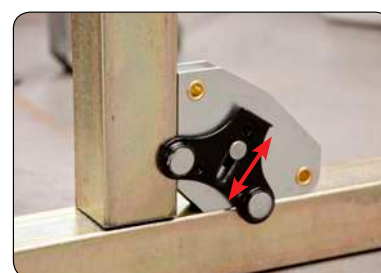
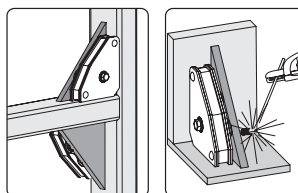
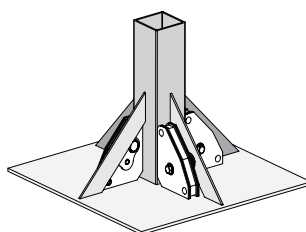
- Quickly and easily set-up 2 or 3-Axis workpieces.
- New Magnetic Face Plate features two rare earth disc magnets for 3rd axis holding. Turn the Magnetic Face Plate with your finger to desired position. Quickly snap together 2 or 3 axis set-ups for tack welding.
- Use the face plate as an edge guide when joining square tubing and sheet metal parts.



(Front) (Back)

MS350

Rotatable
Magnetic
Face Plate



The face plate can be slid in and out of the boundary edges of the magnet body.



The 3-Axis Magnetic Plate features two rare earth disc magnets for 3rd axis holding.

Part No.	Description	Max. Pull Force (kg)	Dimension (mm)	Weight (kg)
MST348	Twin Pack	10	59 x 50 x 22	0.3
MS350	Ea.	13.6	86 x 75 x 16	0.34

*Magnetic force is based on the longest side of Magnet with 10 mm thick steel.

Multi-Angle & Heavy Duty Magnets

Tools for sheet metal and large stock holding.

Standard Magnet Squares

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

- The compact size of the Mini Magnets makes it easy to pack, store, and carry for use anywhere!
- Center hole for easy handling.
- Fully enclosed for easier cleaning.



MS45
45°, 90°



MS60
60°, 90°

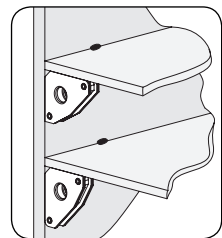
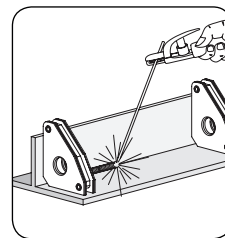


MS346C
Multi-Angle



Part No.	Angles	Max. Pull Force (kg)	Dimension (mm)	Weight (kg)
MS45	45° - 90°	30	111 x 95 x 19	0.5
MS60	60° - 90°	25	111 x 95 x 19	0.5
MS346C	30°, 60°, 45°, 90°	40	140 x 111 x 19	0.5

*Magnetic force is based on the longest side of Magnet with 10 mm thick steel.



A-Frame HD Magnet

New for sheet metal and large stock holding.
Hold large workpieces in the upright position.



Three independent ON / OFF Switches.



Machined flat and V-faces hold round, square, flat, and angled stock.



Aluminum body

Part No.	Max. Pull Force (TOTAL) (kg)	Dimension (mm)	Weight (kg)
MS2-300	120	330 x 330 x 32	4



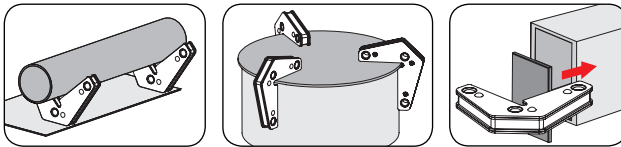
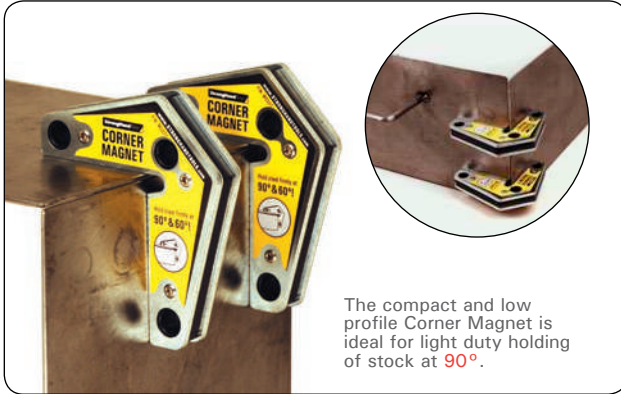
NEW ITEM

Corner Magnets & Magnetic V-Pad Kit

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

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°.



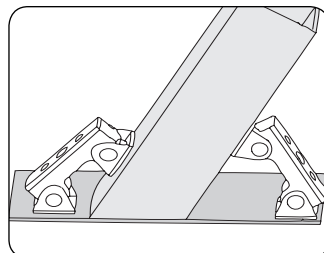
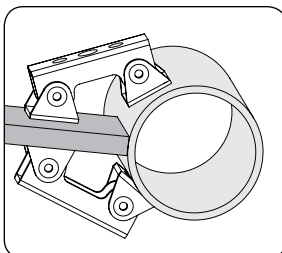
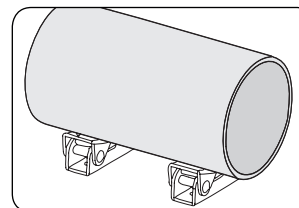
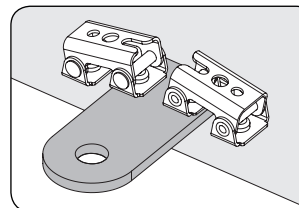
Part No.	Description	Dimension (mm)	Max. Pull Force (kg)	Weight (kg)
MST327	Twin Pack 90° & 60°	83 x 95 x 16	14	0.4

*Magnetic force is based on the longest side of Magnet w/ 10 mm thick steel.

Adjustable Magnetic V-Pads Kit

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

- Hold and position round, flat, and square parts in light duty substructure applications!
- Each V-Pad contains **4 rare-earth magnets**.



Part No.	Description	Max. Pull Force (kg)	Weight (kg)
MVDF44	2 Regular V-Pads (XDV4) & 2 Large V-Pads (XFV4)	8	0.4

*Magnetic force is based on 10 mm thick steel.

MagTab™ (DUO) & MagTab Square

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

UNIQUE MagTab™ & New MagTab™ AL

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.



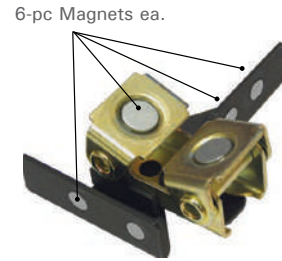
Perpendicular tab



Positioning handle



Parallel Tab



MFT10

Part No.	Dimension (mm)	Max. Pull Force (kg)	Weight (kg)
MFT10	100 x 76 x 32	8	0.2

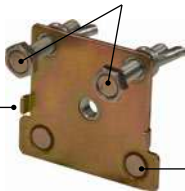
*Magnetic force is based on 10 mm thick steel.

MagTab Square

Position metal plates on square tubes.

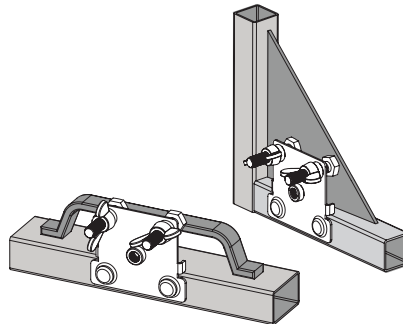
Hold small metal plates parallel to square tubes. Stop tabs allow MagTab Square to quickly snap into position on tubing edge.

Two Adjustable Magnetic Hex Bolts position and hold steel plates at a precise location.



Stop tabs allow MagTab Square to quickly snap into a fixed position on tubing edge.

Two disc magnets in the MagTab Square base provide light duty holding against square tubes.



Part No.	Description	Weight (kg)
MTH20	MagTab (MFT10) and MagTab Square (MGT24) Combo	0.34

MagTab DUO

No clamping edges required! Clamp anywhere on flat, round or angled surfaces!

Position and hold pipes, tubes or plates at two points, on ONE side of your workpiece, leaving ample space on the other side for welding.

Part No.	Description	Weight (kg)
MFT12	Symmetric MagTabs (one facing left & one facing right)	0.45



Sheet Metal Magnet & Large Magnetic V-Pads

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

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

Part No.	Description	Weight (kg)	Max. Pull Force (kg)
MCB82	Sheet Metal Magnets (Twin Pack)	0.5	45
MCB802	Replaceable Rubber Pad x 10 pcs.	--	--
MCB84	2 pcs. Sheet Metal Magnets, 1 pc. Mountable / Magnetic Wall Caddy, 3 pcs. Plastic Hold Down Straps.	0.9	--

*Magnetic force is based on 10 mm thick steel.

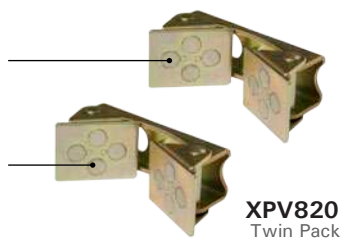


Large Magnetic V-Pads

Hold and position steel stock at any angle in fixturing, welding, inspection and repair applications.

Four rare earth magnets in each pad provide secure gripping power for rapid and convenient holding and positioning.

Pads pivot to hold onto round, square or flat metal surfaces.



Large, removable comfort handle for control in placing, positioning and removing the clamp.

The adjustable magnetic V-Pad is easy to remove. Pull back firmly on the handle to break the magnetic force.

Protective Rubber Pads included.

XPV830



Part No.	Description	Dimension (mm)	Max. Pull Force (kg)	Weight (kg)
XPV820	Large Magnetic V-Pad, Twin Pack	121 x 51 x 48	26	1
XPV830	Large Magnetic V-Pad w/Handle	121 x 51 x 158	26	0.6
XPVR80	Replacement adhesive backed rubber pad, 10pc. pack			--

Mag-Levels & Magnetic Nuts & Bolt Holders

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

Torpedo Mag-Levels

The use-anywhere, view anywhere compact magnetic level.

- 4 strong magnets allow hands-free use on metal surfaces.
- V-Groove on one side for pipe and conduit work.
- Robust, solid anodized aluminum body.

LM3723



6.5 mm Lip

Allows the level to be easily aligned with the side of the workpiece.



Z-Axis Bubble Pod

The add-on pod provides accurate leveling of 2-axes. The pod can be rotated for easy viewing from different angles and heights.



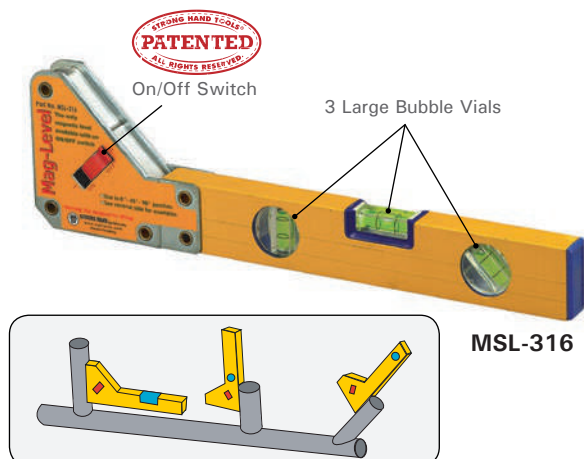
Elastic Velcro® Strap

Allows the level to be easily attached to non-magnetic surfaces. The strap fits snugly into the hole for safe keeping.

Part No.	Dimension (mm)	Angles	Weight (kg)
LM3723	180 x 32 x 25	0°, 45°, 90°	0.2

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 (mm)	Max. Pull Force (kg)	Weight (kg)
MSL-316	45°, 90° 180°	100 x 406 x 25	30	0.9

*Magnetic force is based on 10 mm thick steel.

Snake Magnets

The Third Hand - *Holds, Bends, Twists*

- Comes complete with 2 magnetic pads and 1 spring clamp.
- MFC318 has a 450 mm cable with **2 flat magnetic pads**.

MFC318



Spring Clamp can be used as the third hand to hold tools.



Part No.	Description	Max. Pull Force (kg)	Weight (kg)
MFC318	450 mm flex cable, 1 clamp, 2 flat Magnetic Pads	6	0.6

*Magnetic force is based on 10 mm thick steel.

Improved 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

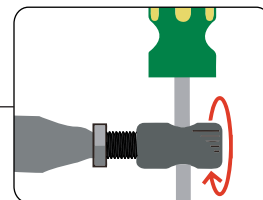


PR115



Secure Adjustment Bar

Minimizes adjustment bar pop outs.

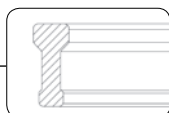


Adjustment Screw

Large adjustment screw with a hole for easy torque.



Optional Crank Handle



Cross Section

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



Single Hand Release Handle

Vinyl coated release handles made for comfort and ease.

Swivel Pad Models



PR115S



PR18S



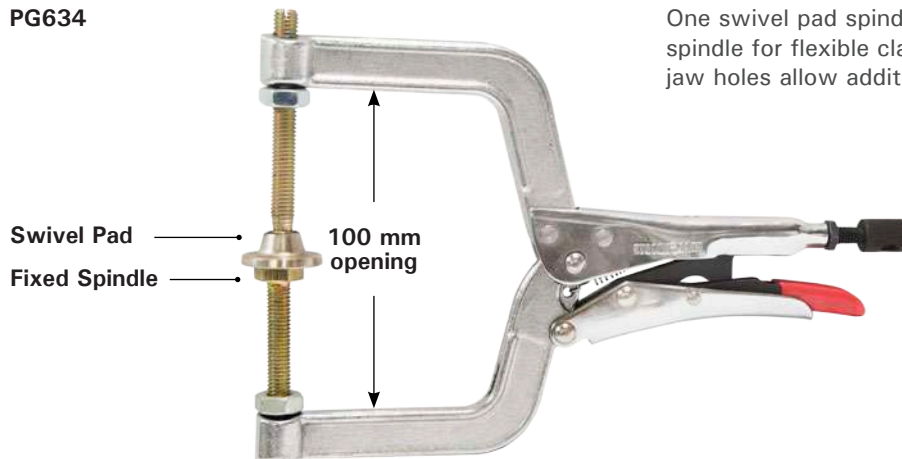
	Part No.	OAL (mm)	Throat Depth (mm)	Opening (mm)	Weight (kg)
Round Tip	PR6	165	46	56	0.2
	PR115	280	83	100	0.9
	PR18	450	254	114	1.4
Swivel Pad	PR6S	165	46	56	0.3
	PR115S	280	83	100	1.0
	PR18S	450	254	114	1.4

Multi-Purpose Pliers

Swivel and fixed head spindles for flexibility in clamping.

Multi-Purpose Pliers

PG634



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



Part No.	OAL (mm)	Throat Depth (mm)	Opening (mm)	Thread	Weight (kg)
PG622	150	50	64	M8	0.2
PG634	216	76	100	M8	0.5
PG114M	280	89	100	M10	0.9
PG134M	330	140	100	M10	0.3

Adjustable Reach and Long Reach Multi-Purpose Pliers

Thread : M10 | Opening : 100 mm



PGA20M - Adjustable Reach Arms

Top Adjustable Spindle: No-mar rubber pads, pivoting head.

Bottom Adjustable spindle: No-mar rubber pads, fixed head.

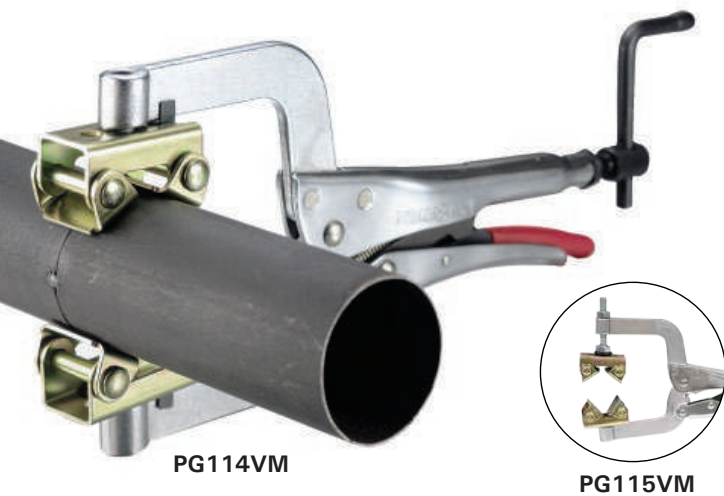


Part No.	OAL (mm)	Throat Depth (mm)	Weight (kg)
PGA20M	585 - 740	350, 405, 460, 510	2.2



Pipe Pliers

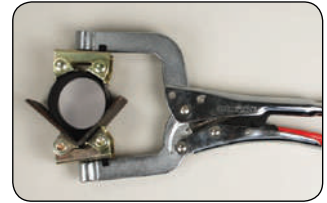
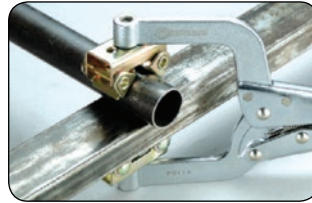
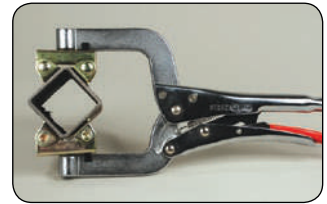
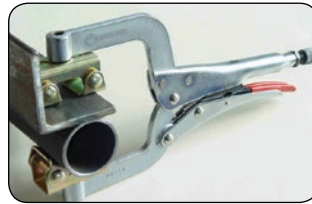
The convenient way to hold round or square tubes for butt-welding.



PG114VM

PG115VM

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



PG622V
PG634V



PG635V



PG635VS



* Magnetic V-Pads and Stainless Steel V-Pads also available separately.

See Accessories page 37.

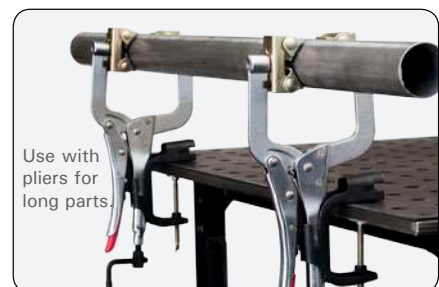
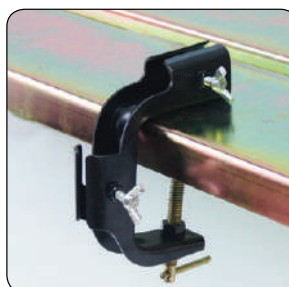
Part No.	OAL (mm)	Top V-Pad	Bottom V-Pad	Throat Depth (mm)	Opening (mm)	Thread	Weight (kg)
PG622V	150	Fixed	Fixed	50	25 - 50	M8	0.4
PG634V	216	Fixed	Fixed	76	50 - 80	M8	0.5
PG635V	216	Adjustable	Magnetic 0° & 45° rotatable	76	38 - 64	M8	0.5
PG635VS	216	Adjustable Stainless Steel	Stainless Steel 0° & 45° rotatable	76	38 - 64	M8	0.5
PG114VM	280	Fixed	Fixed	89	38 - 64	M10	1.3
PG115VM	280	Adjustable	Fixed	89	38 - 64	M10	1.3

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 (kg)
PB11	0.1



Use with pliers for long parts.

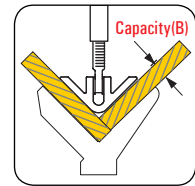
JointMaster™ Angle Clamping Tools

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

PL Series

The **single-hand** corner clamping tool.

- Ideal for quick hold and release on metal, wood & synthetic materials.
- A “helping hand” to hold stock firmly at right angles while creating or repairing permanent joints.
- Comes with 1 pair of pliers.



Capacity (B):

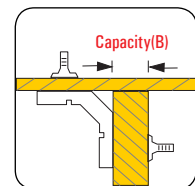
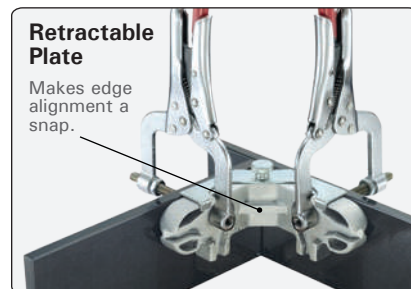
PL622 : 0 - 19 mm

PL634 : 0 - 32 mm

PT Series

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):

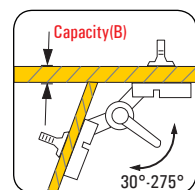
PT622 : 0 - 32 mm

PT634 : 0 - 76 mm

PA Series

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):

PA622 : 0 - 32 mm

PA634 : 0 - 76 mm

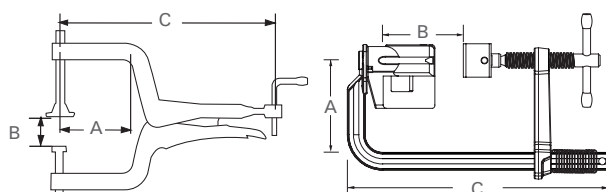
90° Clamp

- A quick way to hold workpieces at 90°.
- Capable of holding a 3-axis workpiece by adding a Pipe Pliers (see page 20).
- Wide opening offers unobstructed welding access.



PL / PT / PA Series

UDL365



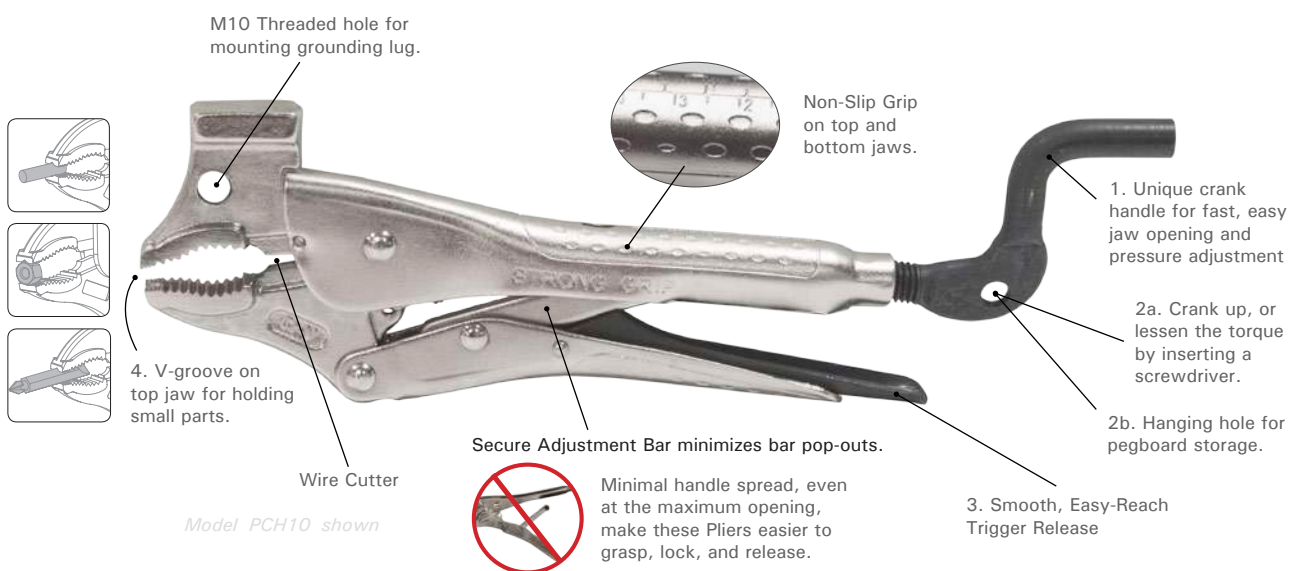
Part No.	Throat Depth (A) (mm)	Max. Capacity (B) (mm)	OAL (C) (mm)	Weight (kg)
PL622	50	19	190	0.5
PL634	76	32	216	0.5
PT622	50	32	190	0.7
PT634	76	76	216	1.1
PA622	50	32	190	0.9
PA634	76	76	216	1.1
UDL365	76	50	241	0.8

Strong Grip® Pliers

The Easiest to Grip, Adjust, and Release.



NEW ITEM



Unique and Convenient!

C-Jaw Pliers with Hammer Head

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

Part No.	Opening (mm)	OAL (mm)
PCH10	40	300



C-Jaw Pliers

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

Part No.	Opening (mm)	OAL (mm)
PCJ50	26	180
PCJ70	40	245
PCJ100	41	300
PCJ120 *	55	360

* Unique larger size.

Strong Grip® Pliers

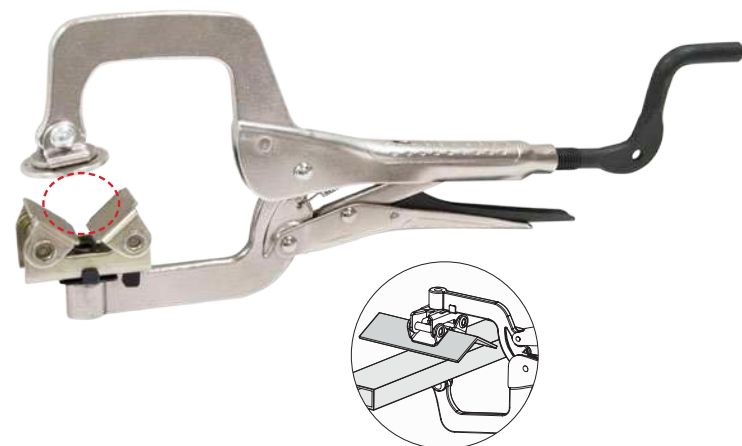
The Easiest to Grip, Adjust, and Release.



Dual Axis Pull Pliers with Hammer Head

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

Part No.	Opening (mm)	OAL (mm)
PPD100	40	715



Economy Pipe Pliers

Large Capacity (75 mm opening) Pipe Plier! A generously sized (38 mm) swivel pad on the top jaw makes positive contact with your workpiece. An adjustable V-Pad on the bottom jaw holds round, square, flat, or angled stock.

Part No.	Opening (mm) Round / Square	OAL (mm)
PVS100	up to 75	360



U-Prong Pliers

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

Part No.	Opening (mm)	OAL (mm)
PUP90	50	275
PUP100	80	340



Sheet Metal Pliers

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

Part No.	Parallel Opening (mm)	OAL (mm)
PDB80	10	250
PDB90	15	320



Long Nose Pliers

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

Part No.	Parallel Opening (mm)	OAL (mm)
PLN50	5	205
PLN90	6	270

The Third Hand Modular Clamps

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



NEW ITEM

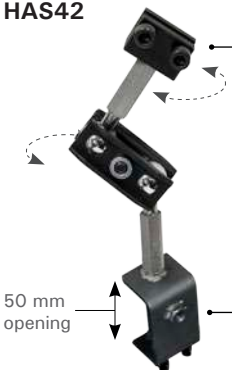
The Third Hand Modular Clamps

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.

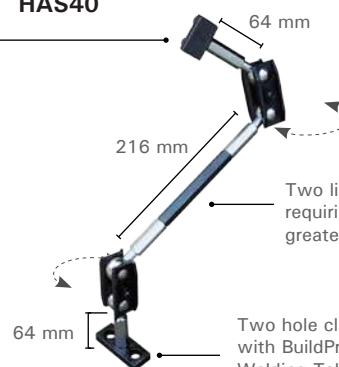
Universal Clamp Base Model HAS42



19 mm 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 25 mm 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 BuildPro™ or FrameBuilder™ Welding Tables for mounting at any point on the tabletop.



Part No.	Description	Weight (kg)
HAS42	Universal C-Clamp base model	1.1
HAS40	Welding table base model	1.6



(Use with Utility Clamp UDV65M)



Hold sheet metal / plexi glass.

Grinder Rests & Drill Press Clamp

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

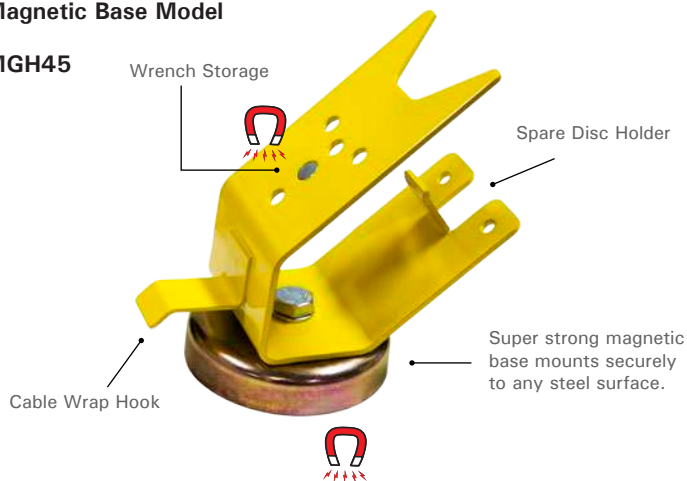
Grinder Rests

Store your Grinder and all accessories on one convenient, compact, portable rest for easy access. The Grinder Rest holds most 125 mm Grinders.

No more searching for wrenches or spare discs!

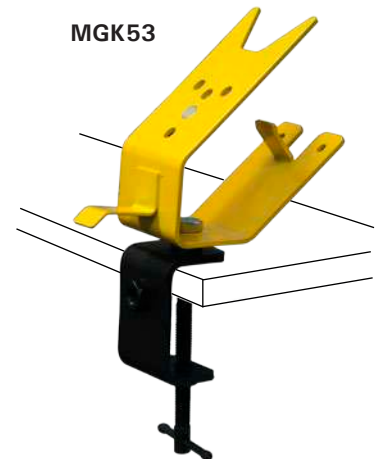
Magnetic Base Model

MGH45



C-Clamp Base Model

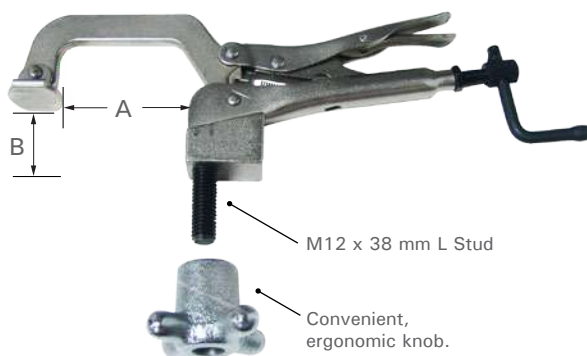
MGK53



Part No.	Description	Weight (kg)
MGH45	Magnetic base model	1
MGK53	C-Clamp base model w/ vertical mounting plate	1

Drill Press Clamp

Secure the Drill Press Clamp to any surface, up to 25 mm thick.



Part No.	(A) (mm)	(B) (mm)	Stud (mm)	Weight (kg)
PTD09	76	100	M12 x 38 L	0.9



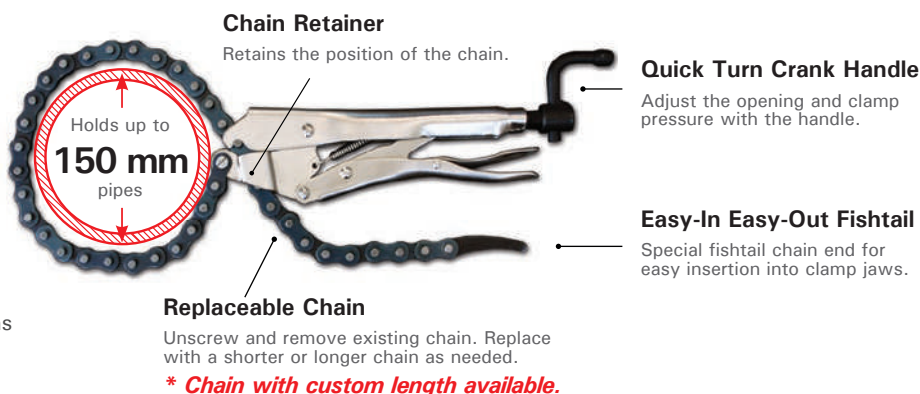
Locking Chain Pliers & Expand-O Pliers

The flexibility to clamp around odd shaped items!

Locking Chain Pliers

Holds 150 mm pipes with the standard 600 mm chain.

- Clamp around odd or odd shaped items.
- Hold two workpieces, or a group of materials securely in place while you weld.
- The ONLY Locking Chain Pliers with replaceable chains of various lengths! Chain lengths from 400 mm to 1,220 mm. Custom length chains available.

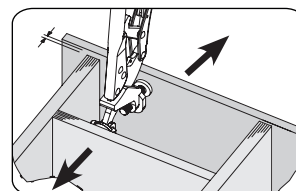
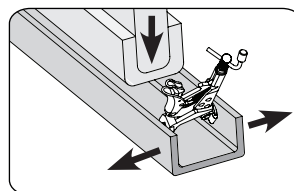
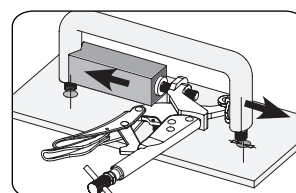
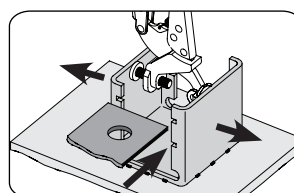


Part No.	Description	OAL (mm)	Weight (kg)
PC924	Standard Chain Pliers with 600 mm chain	230	0.9
PXC16	400 mm Replaceable Chain	400	0.2
PXC36	910 mm Replaceable Chain	910	0.5
PXC48	1,220 mm Replaceable Chain	1,220	0.7

Expand-O Pliers

Unique, Reverse-Action Clamping Pliers!

Jaws move in opposite directions to push against two surfaces.



Part No.	OAL (mm)	Clamping Pressure (kg)	Thread	Min. (mm)	Stroke (mm)	Weight (kg)
PE6M	165	230	M8	25	19	0.2
PE10M	254	410	M10	35	35	0.8

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!

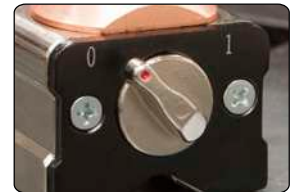
- The PowerBase™ Grounding Magnet sets up quickly and easily.
- Powerful rare earth magnet delivers heavy duty holding power.
- The “V” machined surface grips round parts.
- The copper connector stud allows for better conductivity.



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 (mm)	Magnetic Force (kg)	Weight (kg)
GM203	300A @ 60% Duty Cycle	50 x 50 x 64	20	0.4
GM205	500A @ 60% Duty Cycle	50 x 70 x 64	50	1.1

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

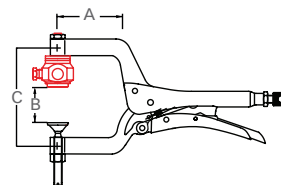


Ground Hog™ Clamp

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.
- Get a smooth, continuous arc with no fade, and no heat transfer while improving cable life, and reducing power consumption.

GP2850



Ground Hog™

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

Part No.	Amperage / Cable Size (mm)	Throat Depth (A) (mm)	Max. Capacity (B) (mm)	Tapped Hole (C) (mm)	Clamping Pressure (kg)	OAL (mm)	Weight (kg)
GB428	300A / --	64	75	M6	100	180	0.4
GP2850	450A / 2/0 - 0.8	89	64	M10	180	280	1.1

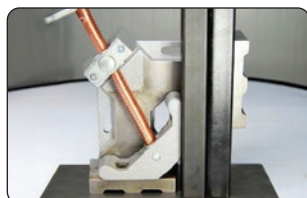
2 and 3 Axis Fixture Vises

Welders Angle Clamps

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



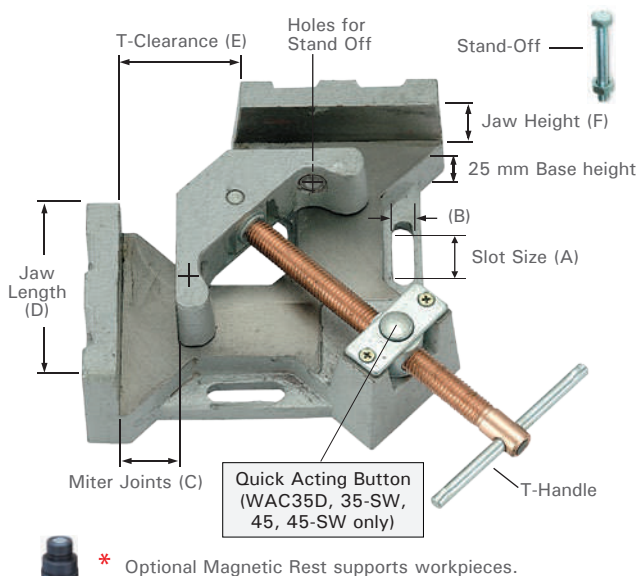
T-Joints



Stand-Offs

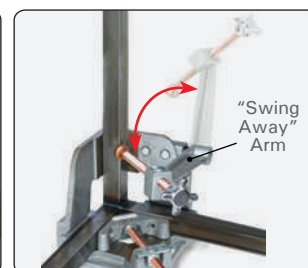


Tubes



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.

- Two Quick Acting Screws.
- "Swing away" the 3rd Axis arm for quick and easy part removal.

WAC45-SW
120 mm Capacity!

	Part No.	Features	(A) (mm)	(B) (mm)	(C) (mm)	(D) (mm)	(E) (mm)	(F) (mm)	Weight (kg)
2-Axis	WAC22	Standard screw, Machined on two outside surfaces	23.9	8.1	56	90	47	33	4
	WAC34	Standard screw	30	11	95	122	62	35	5
	WAC35D	Quick Acting Screw, Two stand-offs, Machined on two outside faces	30	11	95	122	62	35	5
	WAC45	Quick Acting Screw, Two stand-offs, Machined on two outside faces	50.9	11.1	120	135	100	57	11
3-Axis	WAC35-SW	3-Axis Fixture, Quick Acting Screw, Two stand-offs "Swing Away" Arm	30	11	95	122	62	35	11
	WAC45-SW	3-Axis Fixture, Quick Acting Screw, Two stand-offs "Swing Away" Arm	50.9	11.1	120	135	100	57	20

90° Tru AngL & Portable MagVise™

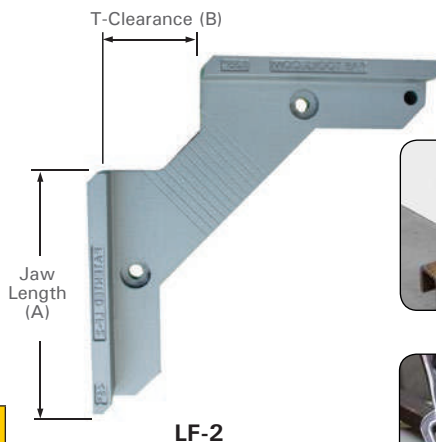
Time saving aluminum vises for use in the shop and in the field.

Aluminum 90° Tru-AngL Jig

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



Part No.	Jaw Length (A) (mm)	T- Clearance (B) (mm)	Jaw Height (mm)	Weight (kg)
LF-2	180	38	64	1.4



Held in vise



Used with pliers

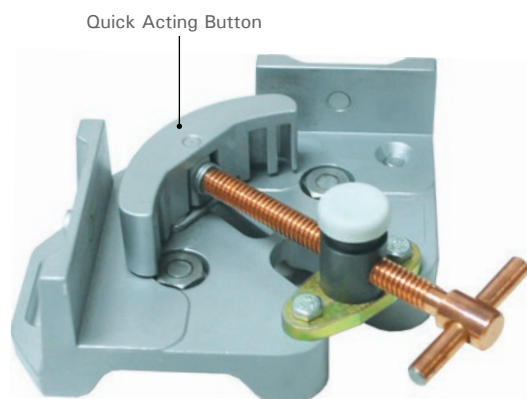
Portable MagVise™

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°.

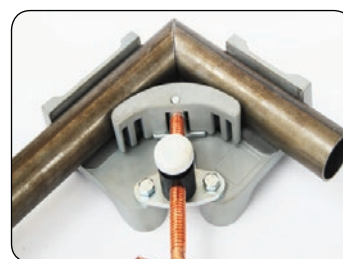
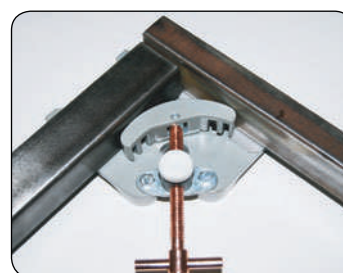
Model WK50

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.



WK50

MagVise™ with Quick Acting Adjustable Spindle



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

Part No.	Features	Miter Joints (mm)	Jaw Length (mm)	T-Clearance (mm)	Jaw Height (mm)	Weight (kg)
WK50	MagVise™ with Adjustable Spindle	25	85	30	50	0.8

Half Clamp & Shark Clamps

Quick-set hold down clamps.

Half Clamps

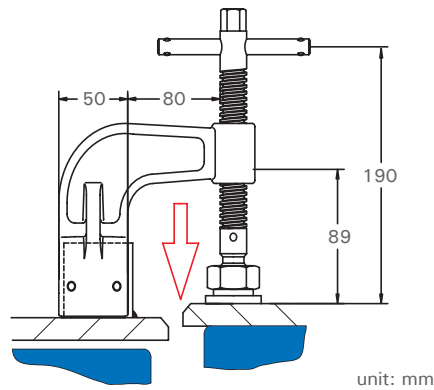
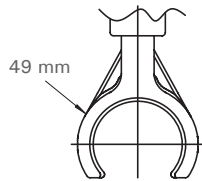
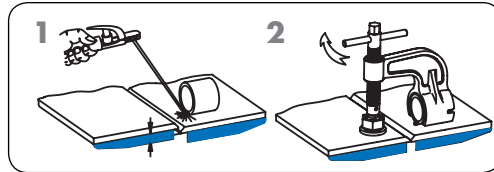
The Efficient, Safe Way to Align Materials.

The DOG & WEDGE and CUT-OFF C-CLAMP methods of material alignment are messy, time consuming, and unsafe!

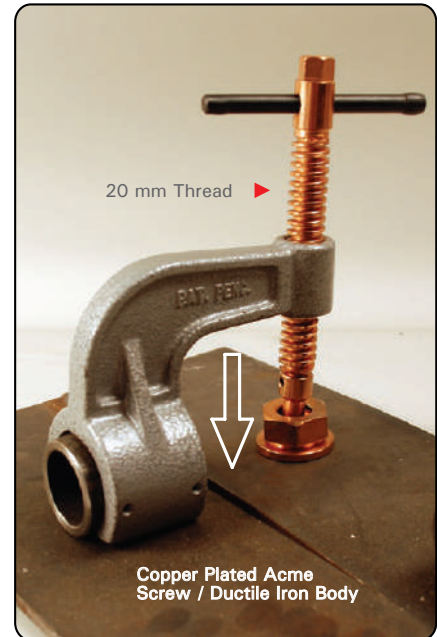
- Align materials in the fabrication of water tanks, bulkheads, deck sections, flat plates, etc.
- For big jobs, tack weld additional 48 mm cut pipes along the joint.

How to Use

- Tack weld the front side of 48 mm pipe coupon to the lower of the two surfaces.
- Slide Half Clamp onto the cut pipe, turn the handle until the misaligned materials align.



unit: mm



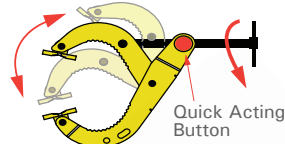
Part No.	Weight (kg)
VHC15	1.7

Shark Clamps

Pivoting, hinged arms provide a wide opening. Inside serrations hold workpieces securely.



C-Clamping Jaw



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.

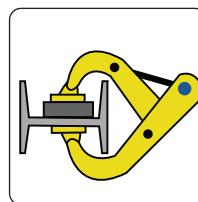


SC50A
Straight Handle Model
with soft grip

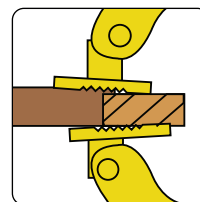


SC50
T-Handle Model
(Heavy Duty)

Part No.	Description	Max. Pull Force (kg)	Opening (mm)	Weight (kg)
SC50	T-Handle	455	127	1.0
SC50A	Straight Handle	135	127	0.9
SC65	T-Handle	455	165	1.1
SC65A	Straight Handle	135	165	1.0



Step-Over Applications



Uneven Thicknesses



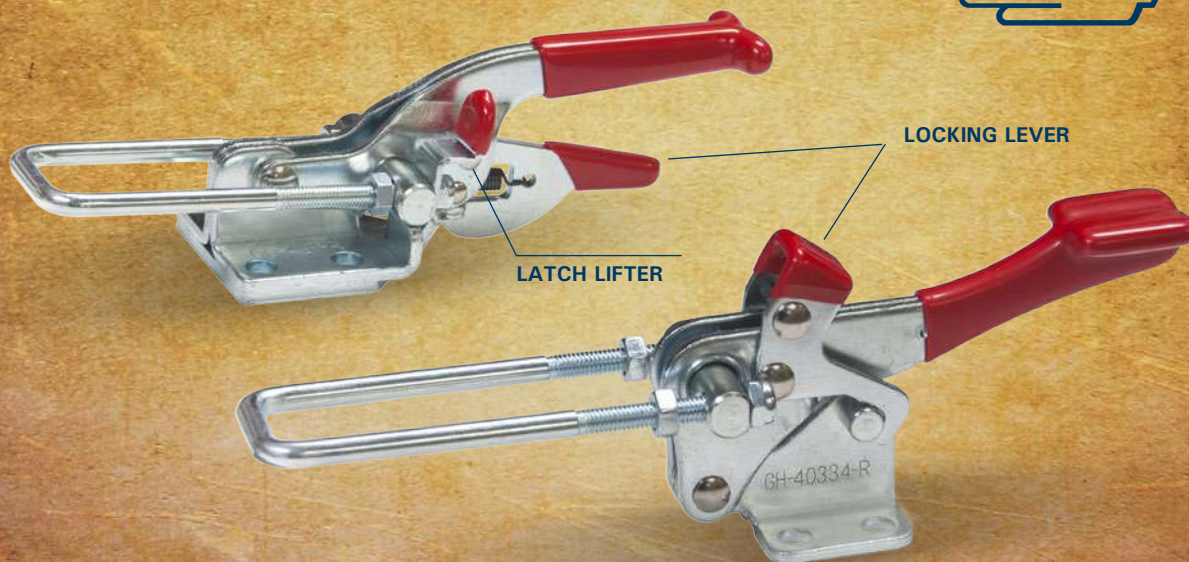
Clamp Round Parts

Toggle Clamps

Ideal time-saving jig and fixture clamps.

NEW!

Locking Handles & Latch Lifters.



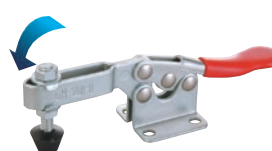
Vertical Handle
Hold Down Action



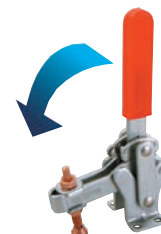
Vertical Handle
Hold Down Action



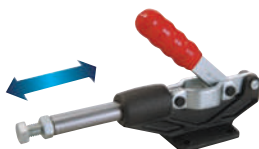
Horizontal Handle
Hold Down Action



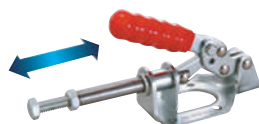
Cam Type
Adjustable Height



Push/Pull
Machinable Bases



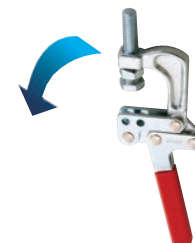
Push/Pull
Straight Line Action



Latch Type
Pull Action



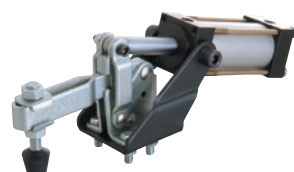
F-Type
Pull Down Action



Toggle Pliers
Squeeze Action



Pneumatic Power



Yoke Assemblies



Heavy Duty Weldable
Hold Down Action



NOMAD™ Economy Welding Table

Very Affordable. Fully Adjustable. Easily Movable.

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



The MagSpring Clamps can be inserted into the 28 mm 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 (mm)	Table Height Range (mm)	Slot in Tabletop (mm)	Table Positions	Load Capacity (kg)	Weight (kg)
TS3020	760 x 510	660 - 810	28	0°, 30°, Folded	160	20

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

Nomad™ Economy Tool Kit: Part No. TSK104M

MagSpring Clamps x 2

- Spring loaded arm for fast opening.

Multi-Angle Magnet x 1

- Hold stock at: 30°, 60°, 45°, 90°.

Mini Magnet x 1

- Low profile for tight space holding.

Magnetic V-Pad x 2

- Hold and elevate round, square, flat and angled stock.

2 MagSpring™ Clamps (UBV45M - 75 mm Cap.)



1 Multi-Angle Magnet (MS346C)



1 Mini Magnet (MS346A)



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



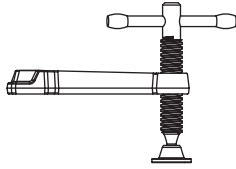
Accessories

Replacement Parts and Accessories.



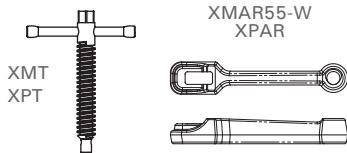
U-Clamps Replaceable Parts

Replaceable Arm & Spindle Kits



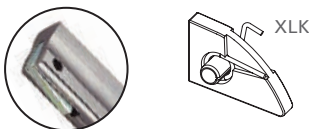
P/N	For U-Clamps
XER	UE Series
XFR	UF Series
XGR	UG Series
XMR2	UM Series (Equipped with H.D. Pad)
XMRP2	UM Series (Equipped with Standard Pad)
XPR	UP Series

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

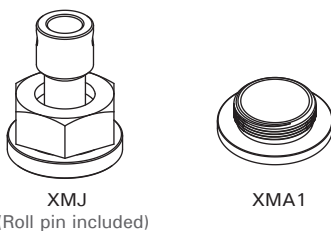
Spring Stop Replacement Kit



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

Heavy Duty Replaceable Pads

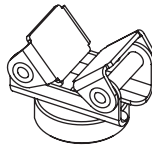
Replacement joints and pads for UM & UP clamps.



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

Top V-Pads (For U-Clamps)

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

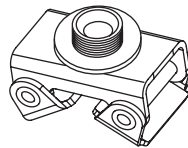


» Light Duty & Value Series

P/N	Material	For U-Clamps
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**.



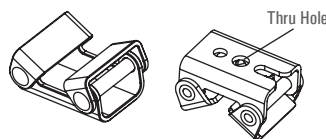
» For Regular and Heavy Duty Series

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

V-Pads (For U-Clamps & Pliers)

Standard V-Pads

To hold round & angled workpieces.



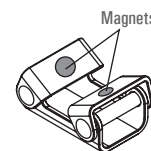
P/N	Material	Thru Hole	For Clamps	For Pliers
XDV		M8	UD Series	PG622 / PG634
XFV		M10	UE, UF, UG Series	PG114M / PG134M / PG204M / PGA20M
XMV		M10	UM, UP Series	--
XPV		M10	UP Series	--
XDVS	Stainless Steel	M8	UD Series	PG622 / PG634
XFVS	Stainless Steel	M10	UE, UF, UG Series	PG114M / PG134M / PG204M / PGA20M
XMVS	Stainless Steel	M10	UM, UP Series	--

Pliers Replacement Parts

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

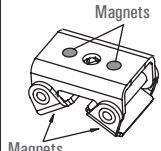
2 magnets Version (Top only):

XDV2 / XFV2



4 magnets version (Top & Bottom):

XDV4 / XFV4

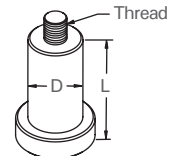


» XDV4 & XFV4 are table mount versions.

P/N	Thru Hole	For Clamps	For Pliers
XDV2	M8	UD Series	PG622 / PG634
XDV4	M8	--	--
XFV2	M10	UE, UF, UG Series	PG114M / PG134M / PG204M / PGA20M
XFV4	M10	--	--

Extender Blocks (For U-Clamps)

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



P/N	Thread	D	L	For Clamps
XDB1M	M8	16 mm	25 mm	UD Series
XFBM	M10	18 mm	51 mm	UE, UF, UG Series
XMB2M	M10	22 mm	51 mm	UM, UP Series
XPB3M	M10	28 mm	75 mm	UP Series

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	XDB1M	UD Series
XFVB	XFV	XFBM	UE, UF, UG
XMVB	XMV	XMB2M	UM, UP Series
XPVB	XPV	XPB3M	UP Series

FixturePoint Jig & Fixture Tables

Affordable Modular Fixturing

An Affordable, Easy-to-Use Modular Fixturing System.
Increase work quality and productivity!
Fixture at ANY POINT on the tabletop.



HOLES: 16 mm
TABLETOP THICKNESS: 4 mm
GRID PATTERN: 50 x 50 mm
TABLETOP SIZE: 900 x 600 mm



ONE TABLE, TWO HEIGHT SETTINGS:

Table top height without legs attached: 158 mm

Table top height with legs attached (included): 860 mm



FixturePoint Kits

Table + Clamps + Modular Fixturing Components

The FixturePoint System is ideal for the set-up of 2D frames. Use the FixturePoint Kits to get started right away, working comfortably, safely, and efficiently for improved work quality, and productivity!

FixturePoint Clamps and Components can be inserted into the 16 mm holes on the 900 x 600 mm tabletop for complete flexibility in Modular Fixturing.

TBHKM100

- Complete Modular Fixturing Kit for the set-up of 4x SQUARE Tubing frames.

Kit includes:

TBH90604.....FixturePoint Welding Table

TBKM1-28.....Clamps & Components Kit

- 4 pcs. Inserta Clamps
- 8 pcs. Magnetic Rests
- 4 pcs. Positioning Stops
- 4 pcs. Inserta Stops
- 4 pcs. Stop Bars
- 4 pcs. Threaded Adaptors



TBHKM200

- Complete Modular Fixturing Kit for the set-up of 4x ROUND Tubing frames.

Kit includes:

TBH90604.....FixturePoint Welding Table

TBKM2-24.....Clamps & Components Kit

- 4 pcs. Inserta Clamps
- 8 pcs. V-Blocks
- 4 pcs. V-Spacers
- 4 pcs. Stop Bars
- 4 pcs. Threaded Adaptors



Inserta Clamps

Part No. UBN105

Insert into any hole on the tabletop for fast hold-down clamping.



Magnetic Rests

Part No. T50737

Place anywhere on the table to elevate and level stock.



Positioning Stops

Part No. TBXS2538

Mount on the tabletop to locate and stop stock.



Inserta Stops

Part No. TBXMS2538

Mount on the tabletop to locate and stop stock.



Stop Bars

Part No. T60632

Mount on the tabletop to locate and stop stock. Use with Threaded Adaptors.



Threaded Adaptors

Part No. TXB6204

Mount underneath tabletop to convert any table hole to an M10 threaded hole.



V-Blocks

Part No. TBXV412

Designed to hold round parts. Fit into the holes of the FixturePoint table, D-Stop bars and V-Spacers.



V-Spacers

Part No. T64211

Used in conjunction with V-Block.

StrongHandTools®

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