



**WELDLINE**

 **magswitch**<sup>®</sup>

**Magnetic Ground Clamps  
& Positioners.  
Magnet Control.**



**Changing the way  
things are done**



# Changing the way things are done

While Magnets have been a part of welding and fabricating for a long time, their role has been limited as they are often considered a hassle. MAGSWITCH CHANGES THAT! The days of fighting and cleaning magnets are forever over. And now, the power of MAGSWITCH challenges tedious clamping on the big jobs as well. When we introduced MAGSWITCH technology to the welding industry in 2008 we knew we had to change perceptions. From executives, to instructors, to the person who actually does the work, we had to reprogram their thinking on the use of magnets. For those who took the leap, well, let's just say they are smiling all the way to the bank.

## So what does MAGSWITCH mean to you?

The bottom line is, if you work with steel, MAGSWITCH will benefit you. The productivity in time savings with faster set ups, the convenience of no hassle use, and the safety advantages of using your hands less and less to handle and position steel cannot be ignored. From the point you receive steel in, to how you move it through your plant, to how you fabricate it, there is a MAGSWITCH tool that will improve safety and productivity. MAGSWITCH is just that, simply a more productive way to do the job. As you look at the products in this catalogue, consider these core common features of each tool;

- Complete on/off control.
- Precise placement/no fighting magnets.
- Super strong - does the big job.
- Holds strong on thin steel.

The Ground Clamps and the MagSquare have become instant favourites. Consider the productivity, convenience and safety benefits of our creative tools: such as the Hand Lifters and the Multi Angle Mag Vise. We invite you to give them a try as we are confident you will love them.

In the hands of welding and fabrication professionals, applications of this technology continue to emerge. MAGSWITCH is indeed technology that ***“changes the way things are done”***.

## Table of Contents:

---

Magnetic Ground Clamps .....	P3
Mini & Mini Multi Angles .....	P4
Multi Angle Mag-Vise .....	P5
MagSquares .....	P6-7
Pivot Angle .....	P8
Hand Lifters .....	P9

# Magnetic Ground Clamps



Strong grip on flat or round surfaces.



W000373782

No more tacking on tabs.  
No searching for a ground location.



W000373781

Stays clean.  
Turn off MAGSWITCH and wipe away debris.



W000373781

Fast set up. Grounds instantly.

MAGSWITCH On/Off Magnetic Ground Clamps lets welders quickly set up, weld and move on to the next job. Simply place it on a clean work surface, turn it on and start welding. It makes welding quicker and easier than ever, it's that easy.

+ Also see Multi Angle  
with 300 Amp Ground Clamp  
- Page 4



Specs	On/Off Magnetic Ground Clamp	
	300	600
Code number	W000373781	W000373782
Hold on thick steel	40 kg	89 kg
H	155 mm	180 mm
W	104 mm	155 mm
D	67 mm	77 mm
Wt	0.3 kg	0.8 kg

# Mini Angles



W000373784

Mini Angle offers 75°/105°, and 90°



W000373783

On/off Mini Angle. When off, metal debris fall off.



W000373784

Mini Multi Angle with Ground Clamp - grounds and holds at the same time!



W000373783

Incredibly strong.

The MAGSWITCH line of Mini Multi Angle workholding magnets offer you more angles in one product than any other magnetic angles. If you're tired of Mini Angle magnets that claim they shut off, but really don't, then you'll love MAGSWITCH. MAGSWITCH Mini Angles are hassle free. They stay clean for years of use. Once you use MAGSWITCH Mini Angles, you will never settle for anything less!

Each Multi Angle sku offers several common angles: 45°/135°, 60°/120°, 75°/105°, and 90°

Specs	Mini Multi Angle	Mini Multi Angle w/ 300 amp Ground
Code number	W000373783	W000373784
Hold on thick steel	40 kg	67 kg
H	76 mm	95 mm
W	76 mm	89 mm
D	32 mm	44 mm
Wt	0.18 kg	0.36 kg

# Multi Angle Mag-Vise



W000373785

Sets up in seconds.  
Super strong hold on all sides.



W000373785

Offers several common angles:  
45°/135°, 60°/120°, 75°/105° and 90°.



W000373786

Common workholding angles  
for use other than a vice.



W000373786

Holds flat, round or odd shapes.

Another amazing breakthrough tool from MAGSWITCH. Imagine a vice that you don't have to bolt in place! The New MAGSWITCH Multi Angle Mag-Vise sets up in seconds and holds flat, round or odd shaped pieces. Perfect for drilling, cutting, grinding and bevelling of small to medium size pieces. Doubles as a multi angle work holding tool. Two sizes offer incredible holding force.

Specs	Multi Angle 400 Mag-Vise	Multi Angle 1000 Mag-Vise
Code number	W000373785	W000373786
Hold on thick steel	178 kg	446 kg
H	221 mm	160 mm
W	193 mm	200 mm
D	81 mm	125 mm
Wt	1.13 kg	4.25 kg



# MagSquares



W00037377

Align two pieces of steel - flat or round.



W00037378

Fabricate angles quickly; pull corners together with hold on multiple sides.



W00037378

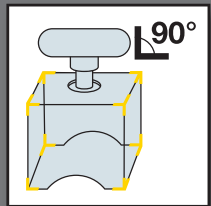
Fast 90 degree angles.



W00037377

Use as a stop. Mounts anywhere.

Welders and Fabricators are raving about all the uses, convenience and time savings with MAGSWITCH MagSquares. MagSquares are extremely powerful on off magnetic blocks with strong holding force available on all sides. Welders have never enjoyed this complete control over incredibly strong magnets. You can precisely position the MagSquare and material, and then turn the magnet on. MagSquares feature multi-plane workholding capability. Takes away the need for time consuming manual clamping on so many jobs - and works anywhere there is steel. You don't need an edge like you do with C-Clamps. All Mag-Squares are machined at 90 degrees, have pre-tapped holes on all sides for mounting tools, jigs and fixtures. Fast 180 degree turn of the knob turns the MagSquare on and off. When off, nothing sticks to them. Once you understand all the uses, the time savings in set ups, and the ability to control these powerful magnetic blocks - you will want the entire range.



**A MUST FOR WELDING PROFESSIONALS!**



W000373788

Helping hand – a temporary support to hold a part or tool on a vertical wall.



W000373788

Quickly secure a base to a post; or hold a flange to a pipe.



W000373788

Use as a guide. No limitations like clamps.



W000373788

Secure steel for fabricating or cutting.

### Features:

- Incredibly strong. Fast, precise positioning.
- Mounts anywhere - no limitations like clamps.
- Magnetic grip on 5 sides. Holds pipe - pipe notch on bottom.
- Pre-tapped holes on all sides for mounting. Great for making your own fixtures.
- Destack sheet (make a fixture using multiple MagSquares to destack large sheet).

Specs	MagSquare 150	MagSquare 600
Code number	W000373787	W000373788
Hold on thick steel	67 kg	268 kg
H	169 mm	215 mm
W	96 mm	190 mm
D	53 mm	80 mm
Wt	0.3 kg	1.5 kg

# Pivot Angle 200



Accommodates flat and pipe.



Single lock on elbow for fast securing of your angle.



Pivot range for angles from 22 to 270 degrees.



Each axis magnet holds on two sides.

MAGSWITCH Pivot Angle offers a range of angles from 22 to 270 degrees. Each axis features a MAGSWITCH with a 200 lb (90 kg) holding capability. A single pivot point is located on the elbow. The elbow joint locks and unlocks quickly with a lever. The dial on the elbow features indicators every 5 degrees. On each axis MAGSWITCH is exposed on a side to enable the tool to secure to a table or wall, while simultaneously holding the work piece. Perfect for repetitive work on uncommon angles.

Specs	Pivot Angle 200
Code number	W000373789
Hold on thick steel	90 kg
H	250 mm
W	180 mm
D	65 mm
Wt	1.72 kg



# Hand Lifter 60 (Manual & Cordless Electric)



**W000373790**

Pivot handle allows use as a hand lifter or a sheet dragger.



**W000373790**

Hand lifter for all your small steel handling needs.



**W000373791**

Perfect for removing parts and cut outs from burn tables.



**W000373791**

Push button on/off control. Ideal for fast repetitive lifting.

Magswitch Hand Lifters are the perfect solution for small steel handling. No need for you to touch sharp, hot, dirty steel. We are committed to your safety! Magswitch Hand Lifters feature easy on off control, are light weight and extremely strong (features a 230 lb (104 kg) Magswitch, which we de-rate to limit lifting up to 60 lb (27 kg) to comply with Occupational Safety lifting limits). The manual model features a pivot handle for use in sheer. The “Worlds First” Cordless Electric Hand Lifter features two lithium Ion batteries\* – each with 2000 cycles per charge.

Specs	Hand lifter 60 M (manual)	Hand lifter 60 CE (Cordless Electric)
Code number	W000373790	W000373791
Hold on thick steel	27 kg	27 kg
H	260 mm	254 mm
W	180 mm	178 mm
D	100 mm	102 mm
Wt	0.64 kg	1.45 kg

\* battery charger included



# WELDLINE

---

## Contacts

AIR LIQUIDE WELDING FRANCE  
13, rue d'Épluches  
BP 70024 Saint-Ouen l'Aumône  
95315 Cergy-Pontoise Cedex  
Tel. : +33 1 34 21 33 33  
Fax : +33 1 34 21 31 30  
[www.airliquidewelding.com](http://www.airliquidewelding.com)



**Air Liquide is the world leader in gases for industry, health and the environment**, and is present in over **80 countries** with **43 600 employees**. Oxygen, nitrogen, hydrogen and rare gases have been at the core of Air Liquide's activities since its creation in 1902. Using these molecules, Air Liquide continuously reinvents its business, anticipating the needs of current and future markets. The Group innovates to enable progress, to achieve dynamic growth and a consistent performance. Air Liquide combines many products and technologies to develop valuable applications and services not only for its customers but also for society.