



***magswitch***<sup>®</sup>

**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 Mag-switch 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 catalog, consider these core common features of each tool;

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

The Ground Clamps and the MagSquare have become instant favorites. Consider the productivity, convenience and safety benefits of our creative tools: such as the Hand Lifters, the Multi Angle Mag Vise, and the Mag Pry. 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”**.

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## Magnetic Ground Clamps



Strong grip on flat or round surfaces.



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



Stays clean. Turn off Magswitch and wipe away debris.



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		
	200	300	600
Part #	8100340	8100315	8100316
Hold (lbs/kg) on thick steel	60/26	90/40	200/89
H= (in/mm)	6.6/167	6.1/155	7.1/180
W= (in/mm)	3.7/95	4.1/104	6.1/155
D= (in/mm)	2.2/55	2.6/67	3.0/77
Wt=(lbs/kg)	0.4/0.2	0.7/0.3	1.8/0.8

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## Mini Angles



8100352

Mini Angle offers 75/105°, and 90°



8100350

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



8100351

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



Incredibly strong.

## Multi Angle Mag-Vise



8100438

Sets up in seconds. Super strong hold on all sides



8100438

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



8100405

Common workholding angles for use other than a Vise.



8100405

Holds flat, round or odd shapes.

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°

Another amazing break through tool from Magswitch. Imagine a vise 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 beveling of small to medium size pieces. Doubles as a multi angle work holding tool. Two sizes offer incredible hold force.

Specs	Mini Angle	Mini Multi Angle	Mini Multi Angle w/ 300 amp Ground
Part #	8100352	8100350	8100351
Hold (lbs/kg) on thick steel	90/40	90/40	150/67
H= (in/mm)	3.3/83	3.0/76	3.8/95
W= (in/mm)	2.3/57	3.0/76	3.5/89
D= (in/mm)	1.3/32	1.3/32	1.8/44
Wt=(lbs/kg)	0.4/0.18	0.4/0.18	0.8/0.36

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Specs	Multi Angle 400 Mag-Vise	Multi Angle 1000 Mag-Vise
Part #	8100438	8100405
Hold (lbs/kg) on thick steel	400/178	1000/446
H= (in/mm)	8.7/221	6.5/160
W= (in/mm)	7.6/193	8.0/200
D= (in/mm)	3.2/81	5.0/125
Wt=(lbs/kg)	2.5/1.13	9.5/4.25

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# MagSquares



Align two pieces of steel – flat or round.



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



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



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



Fast 90 degree angles.



Use as a stop. Mounts anywhere.

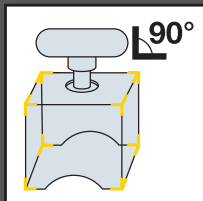


Use as a guide. No limitations like clamps.



Secure steel for fabricating or cutting.

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 (1,000 lbs (450 kg) on the MagSquare 1000). 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 MagSquares 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.



## 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).

**A MUST FOR WELDING PROFESSIONALS!**

Specs	MagSquare 150	MagSquare 400	MagSquare 600	MagSquare 1000
Part #	8100054	8100238	8100106	8100099
Hold (lbs/kg) on thick steel	150/67	400/178	600/268	1000/446
H= (in/mm)	6.7/169	8.7/221	8.5/215	10.2/259
W= (in/mm)	3.8/96	7.6/193	7.5/190	9.4/240
D= (in/mm)	2.1/53	3.2/81	3.1/80	4.2/107
Wt=(lbs/kg)	0.7/0.3	2.5/1.13	3.3/1.5	8.4/3.81

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## 90 Degree Angles



8100036

Add MagSquares on each axis for extra holding power.



8100036

180-degree turn of the knob turns magnet on and off.



Accommodates flat and pipe.



Single lock on elbow for fast securing of your angle.



8100010

MagSquares can be repositioned or reversed on each axis.



8100010

Holds flat and round.



Pivot range for angles from 22 to 270 degrees.



Each axis magnet holds on two sides.

Magswitch 90 degree Welding Angles are the most versatile on the market. Featuring the benefits of Magswitch including incredible power and precision control, the Magswitch 90 degree angles are easy to use, and can be used with larger and heavier steel. All Magswitch 90 degree angles allow you to reposition the magnets up or down on each axis, or reverse from outside to inside. If you want more strength, just add more Magswitch MagSquares.

Magswitch Pivot Angle offers a range of angles from 22 to 270 degrees. Each axis features a Magswitch with a 230 lb (104kg) hold 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	90 Degree Angle 150	90 Degree Angle 400	90 Degree Angle 600
Part #	8100010	8100454	8100036
Hold (lbs/kg) on thick steel	150/67	400/178	600/268
H= (in/mm)	8.5/210	11.7/295	11.7/295
W= (in/mm)	8.5/210	11.7/295	11.7/295
D= (in/mm)	2.5/60	4.2/105	4.2/105
Wt=(lbs/kg)	2.4/1.1	7.5/3.35	9.5/4.3

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Specs	Pivot Angle 230
Part #	8100367
Hold (lbs/kg) on thick steel	230/104
H= (in/mm)	9.7/250
W= (in/mm)	7.0/180
D= (in/mm)	2.5/65
Wt=(lbs/kg)	3.8/1.72

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## BoomerAngles



8100010

Holds flat and round – perfect for working with pipe and fence set ups.



8100010

Rotating MagSquares for virtually unlimited angles.



8100359

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



8100359

Hand lifter for all your small steel handling needs.



8100090

Quick adjust lever for fast precise positioning.



8100090

Inside or outside 90 degree.



8100385

Perfect for removing parts and cut outs from burn tables.



8100385

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

Magswitch BoomerAngles offer virtually unlimited angles. With a rotating MagSquare at the end of each axis, the Magswitch BoomerAngle offers not only a fixed 90 degree angle on the inside and outside, but is adjustable to any angle in between. Featuring the benefits of Magswitch including incredible power and precision control, Magswitch BoomerAngles are easy to use, and can be used with larger and heavier steel.

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 derate 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 shear. The “Worlds First” Cordless Electric Hand Lifter features two lithium Ion batteries – each with 2,000 cycles per charge.

Specs	BoomerAngle 150	BoomerAngle 400	BoomerAngle 600
Part #	8100010	8100453	8100090
Hold (lbs/kg) on thick steel	150/67	400/178	600/268
H= (in/mm)	8.2/213	10.5/260	10.5/260
W= (in/mm)	8.2/213	10.5/260	10.5/260
D= (in/mm)	3.7/92	5.0/120	5.0/120
Wt=(lbs/kg)	3.3/1.5	8.6/3.84	10.6/4.8

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Specs	Hand Lifter 60-M (Manual)	Hand Lifter 60-CE (Cordless Electric)
Part #	8100359	8100385
Hold (lbs/kg) on thick steel	60/27	60/27
H= (in/mm)	10.0/260	10.0/254
W= (in/mm)	7.0/180	7.0/178
D= (in/mm)	4.0/100	4.0/102
Wt=(lbs/kg)	1.4/0.64	3.2/1.45

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## Sheet Aligning Tools

## Sheet Handler Tools



8100081

Align sheets in seconds.



8100081

Fast set up with Strong Magnet; and easy on off Magswitch.



8100361

Easy on off magnet actuation. Complete control – stays clean.



8100361

Save time by using on off magnets and wheels to move sheet.



8100361

Place magnet on low side, center pivot over seam and press until level, then tack.



8100361

A viable alternative to welding on key plates and U joints to align large sheet.



8100361

Sheet Handler doubles as sheet leveler.



8100433

Mag Dolly lifts flat or round shaped steel.

Ask any welder how long it takes to align large sheet with precision. Magswitch offers two solutions that yield incredible time savings. The Mag Pry features 1,100 lb (495 kg) of hold force. Using magnetic force and leverage, the tool aligns the sheets instantly! The Sheet Handler operates on the same principal, but for large sheets. The Sheet Handler offers up to 1,800 lbs (810 kg) of hold force, and features an extendable handle.

Magswitch offers two tools for large sheet handling, the Sheet Handler and the Mag Dolly. The Sheet Handler paired with our 1,800 lb lifter magnet enables you to pivot/lift sheet up and onto a wheel so it can be dragged or moved. This is a perfect tool if you needed to lift and slide one sheet over another. The Mag Dolly has large solid rubber wheels and can move larger sheets. The Mag Dolly is more suited to lift and carry sheet, pipe or any steel object over a greater distance.

Specs	Mag-Pry
Part #	8100081
Hold (lbs/kg) thick steel	1100/491
H= (in/mm)	7.9/200
W= (in/mm)	24.0/610
D= (in/mm)	6.7/170
Wt=(lbs/kg)	10.4/4.7

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Specs	Sheet Handler
Part #	8100361
Hold (lbs/kg) on thick steel	See notes to right
H= (in/mm)	3.7/95
W= (in/mm)	38.2/5.4
D= (in/mm)	5.4/138
Wt=(lbs/kg)	95/3.4

A heavy lifting magnet is required for use with the Sheet Handler or Mag Dolly:

Part # 8100388  
1,800 lb. (818 kg) of breakaway  
Part # 8100360 or 8100403  
1,200 lb. (545 kg) of breakaway

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## Mag-Utility Hooks

## Extenda-Lift 60



8100012

Save time by keeping parts or tools within reach.



8100012

Hang tools, nuts or bolts near your work area.



No need to bend over and pickup materials.



Super strong Magswitch offers up to 500 lbs (225 kg.) of hold force. Picks up flat or round shapes.



8100006

Keep your job site or shop clear of trip hazards.



8100006

Attaches to flat or round surfaces.



8100006

Magswitch magnets turn all the way off and shed debris. Tool can be used to clean up shavings and scrap as well.



The perfect "helping hand". Magswitch Mag Utility Hooks let you hang tools, lights, support wires, air hoses, ground lines and more, right where you need them, quickly and easily. Ideal for keeping hoses and lines off the floor for a safer work environment. Mag Utility Hooks are convenient and easily move from job to job.

With the Magswitch Magnetic Extenda-Lift, you can pick up and move steel without bending over and using your hands; offering convenience and safety advantages. You can pick up plate, pipe, or steel scrap off the floor with ease. Also works great for picking up hot, sharp or dirty steel without touching it. Extenda-Lift has 500 lb (225 kg) of hold force. Safe Working Limit is limited to 60 lb (27 kg) for compliance with Occupational Safety lifting limits.

Specs	Mag-Utility Hook 25	Mag-Utility Hook 40
Part #	8100012	8100006
Hold (lbs/kg) on thick steel	25/11	40/18
H= (in/mm)	7.1/180	8.4/213
W= (in/mm)	5.4/137	7.5/190
D= (in/mm)	1.9/47	3.0/75
Wt=(lbs/kg)	0.7/0.3	2.0/0.9

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Specs	Extenda-Lift 60
Part #	8100025
Hold (lbs/kg) on thick steel	60/27
H= (in/mm)	29.1/740
W= (in/mm)	6.2/157
D= (in/mm)	5.7/144
Wt=(lbs/kg)	6.0/2.7

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## Magswitch Heavy Lifting



Magswitch offers a complete line of Heavy Lifting magnets for steel handling and transport. If you fabricate or handle steel, consider Magswitch Magnetic Lifters for efficiency and safety. Magswitch currently offers lifters with safe lifting rated capacity up to 1680 lbs, (750 kg). Magswitch lifters lift sheet and pipe. Magnetic lifters offer substantial safety and productivity advantages over traditional slinging and rigging.

While other magnetic lifters exist, be sure you understand these important advantages of Magswitch lifters:

- Stronger hold on thin material.
- Stronger hold on rusty, dirty, uneven or painted surfaces.
- Magswitch Lifters are lighter and easy to actuate.
- Magswitch offers the worlds first Cordless Electric Remote operated Lifter.
- Look for our new flat to sheer lifting innovation coming 2012.

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