



Product Catalog

Shipbuilding

About Us



Technology that attracts™

Magswitch Technology has evolved from a single technology company with a focus on welding and wood products in North America to a Global company with more than 65 patents world-wide and a major supplier to Automotive Infrastructure and Industrial resource industries on three continents. As we continue to expand with new technologies in more complex Lifting systems, Robotics, Cobotics tools, operating software and developing onshore manufacturing, we do so with a clear corporate objective. We want to be with our customers "At every step of the way". The small business that buys a 300amp ground clamp today, will want safer lifting and positioning tools, will have an interest in simple automated systems, some eventually to partial or fully automated welding and fabrication. Magswitch is at each step with the best gripping technology and partnerships with major OEMs and integrators to deliver a seamless solution, be it sheet leveling, smart cutting table unloading or fully automated fabrication and parts handling. We will not lose sight of our core business commitments, to **increase safety, productivity and efficiency** to ensure our **products meet or exceed the expectations** of our valued customers. Our mission is to ensure we continue to develop new solutions ahead of industry needs.



Benefits

- 100% Fail-safe technology
- True On/Off
- Magnet stays clean
- Magnets do not require an electrical power source
- Stronger & scalable force allows a better control
- Precise positioning



Sustainability

Magswitch products are a green technology utilizing the enduring power of rare earth magnets with low energy consumption.

greentech

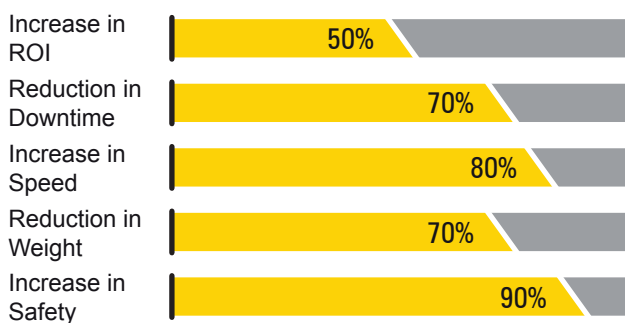


Safety

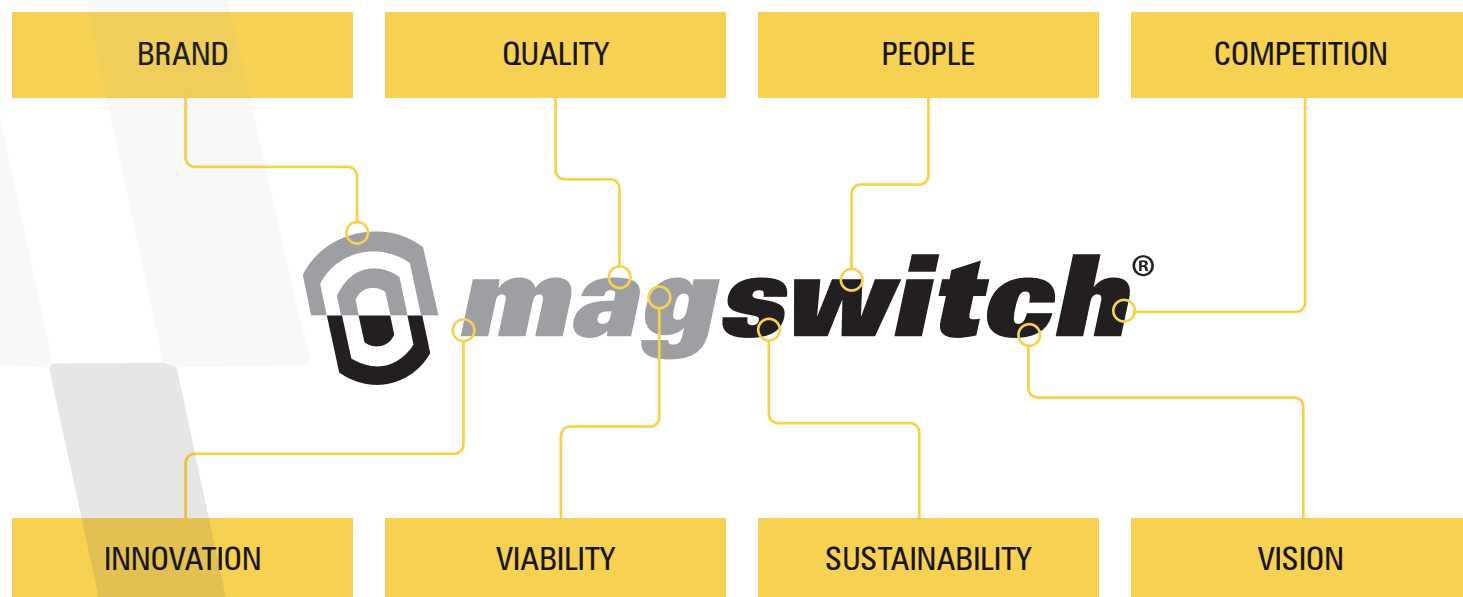
We consider safety in everything we do. If you work around steel, safety is the first consideration. Fewer hands on the job touching steel means a safer workplace. Safety is crucial to our products – easy actuation, lighter lifting, stability control and lift-to-shear capabilities all tie back to an emphasis on safety.



Our Success



Magswitch DNA



Magswitch Technology, headquartered in Colorado, USA, is a leader in switchable magnetic technology. From initial development, design and engineering to manufacturing, final delivery and distribution, Magswitch has paved the way for innovation in multiple industries across the globe.

Magswitch has evolved from manufacturing magnetic tools to engineering innovative technology to increase safety, productivity and speed in industries such as welding, fabrication, automation, manufacturing, heavy industry, woodworking and more.

With numerous patents and patents pending in all industrialized markets across the globe, Magswitch has evolved into a global integrated business. We are committed to a business model that identifies key industry partners, allowing the corporation to leverage its technology and products through recognized global distributors.



High-Heat-Tools

Magswitch tools are also available as a High-Heat-Variant.

Simply contact sales@magswitch.com for further information.



Accessory Products

Take a look at our accessory products for various Magswitch tools.

Please contact sales@magswitch.com for further information.

Visit our website!
www.magswitch.com



Pole Shoe Variants

Our products are available with different pole shoe variants:

- Flat
- Round
- Irregular



Custom Pole Shoes


In addition, you have the possibility to develop custom made pole shoes to guarantee the best holding force.

Beam Jacks

Applications: Shipbuilding, Closing gaps in Weldments, Leveling, Bending


The Magswitch Aluminum adjustable Beam Jacks are suitable for pulling ferrous steel flat against stiffener beams, eliminating air gaps to improve welding efficiency.

- Instantly attaches to flat and round surfaces
- Lightweight and performs better on thin materials
- Removes air gaps between structural members and base materials




Accessories Available

Flat



Round

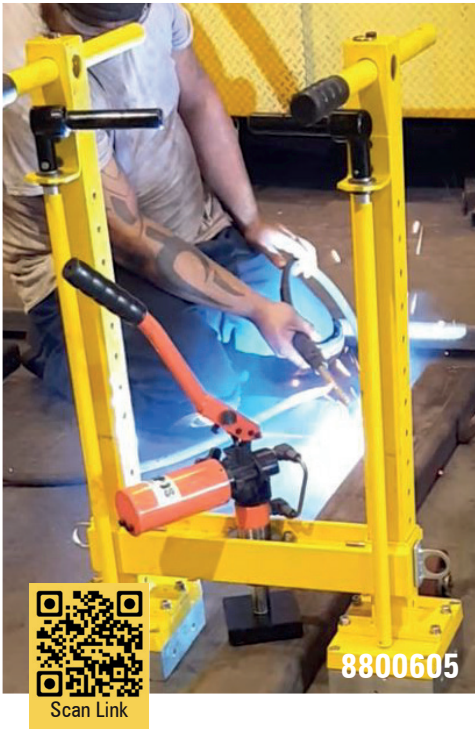


1.5 Ton Beam Jacks

- Smallest and most compact in this series.
- Eliminates the air gap and allows for easy welding.
- Ideal while working in small confined places.
- Each 1500 lb magnet makes contact with the base material and is turned on by simply actuating two handles. Once the magnets are actuated, turn the ratcheting handle to apply pressure to the beam.

3 Ton / 6 Ton Beam Jacks

- Bigger and sturdier beam jacks and Features a hydraulic jack.
- Each magnet makes contact with the base material and are
- turned on by simply actuating two handles. Once the magnets
- are actuated, the hydraulic jack can be pumped.
- Ideal when you need strong grip on big pieces of steel.




			
	1.5 Ton Beam Jack	3 Ton Beam Jack	6 Ton Beam Jack
Part No.	81001245	8800605	81001171

Stiffeners

Applications: Shipbuilding, Fixturing at 90 Degree Angle, Welding


Magswitch Stiffeners are designed for some serious power, stabilization and precision control for those heavy-duty jobs. The entire side plate is magnetized when turned on.

- Mounts to flat surface of steel
- Reinforced end caps for superior durability
- Lightweight with incredible strength
- Precise positioning
- Robust 90 degree angle tool that is designed for some serious power, stabilization and precision control for those heavy-duty jobs.
- Entire side plate is magnetized when turned on.
- With reinforced end caps for superior durability, this tool mounts to flat and round pieces of steel with incredible strength.
- Ideal for heavy duty jobs.



High Heat Variants Available

Flat





90 Degree Angle Stiffener 1200



90 Degree Angle Stiffener 2400


Part No.	8100961	81001000
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MagPress

Applications: Sheet Alignment, Leveling, Shipbuilding


Magswitch MagPress aligns large steel sheets with precision. Equalize high and low points between steel gaps by placing the magnet on low, pry on high and weld on.

- Lightweight and compact
- Turn the handle to the side and this tool becomes a beam press which can press a 10-15 cm thick beam
- Aligns large steel sheets with precision.
- Equalize high and low points between steel gaps by placing the magnet on low, pry on high and weld.
- Turn the handle to the side and this tool becomes a beam press which can press a 4-6" beam.
- Holds flat and round surfaces.




High Heat Variants Available

Flat



Round





MagPress

Part No.	8100935
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Leveling Accessories

Applications: Sheet Alignment, Leveling

Sheet Handler

- Remove high/low when aligning plate.
- 100 times faster than using dogs and wedges.
- Center sheet handler over the seam, turn Magswitch ON and press to align and tack.

Beam Press Accessory

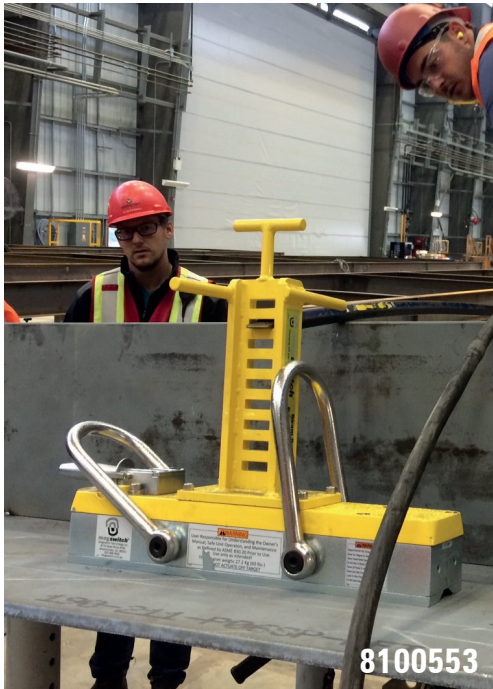
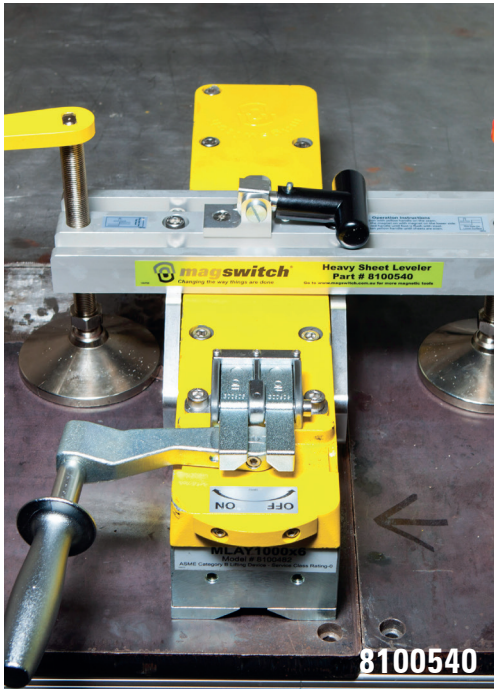
- Attaches to MLAY1000x4 or 1000x6 lifting magnet.
- Provides pry point for fitting stiffener beams.
- Easy-carry handle allows for transportation by one or two people

Stiffener Alignment Tool

- Mounts onto MLAY 1000x2 lifting magnet.
- Provides stop for setting up stiffener beams.
- Keeps beams at 90 degrees during fit-up.

Heavy Sheet Leveler

- Remove high/low during plate fit-up.
- Levels up to 2" thick plate.
- Easy-carry handle.



Sheet Handler



Beam Press Accessory



Stiffener Alignment Tool



Heavy Sheet Leveler

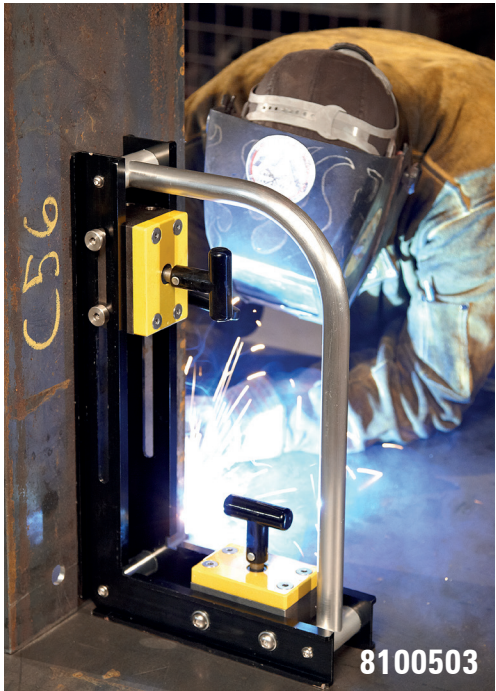
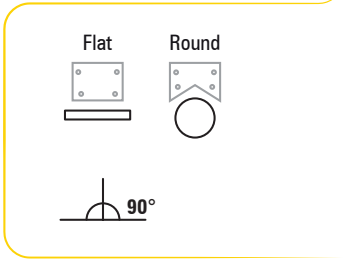
Part No.	8100361	8100553	8100554	8100540
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90 Degree Angles

Applications: Fixturing, Welding

Magswitch 90°-Angles deliver superior accuracy, efficiency and speed at a fixed 90° welding angle. Simply adjust the MagSquares by sliding them up or down on each axis for unmatched versatility.

- Lightweight with incredible strength
- Precision positioning
- MagSquares can be reversed on each axis
- Holds to flat and round surfaces of steel
- Features (2) MagSquare 1000 magnets, each with 1000 lb of holding force on each axis.
- With unmatched versatility, you can simply move the magnets up and down or reversible on each axis.
- The slick design also allows for additional MagSquares to be added for extra strength.
- Ideal for positioning stiffener beams.




				
	90° Angle 165	90° Angle 400	90° Angle 600	90° Angle 1000
Part No.	8100548	8100454	8100495	8100503

Ground Clamps

Applications: Grounding, Welding


New temperature lowering fin design! No more tacking necessary.
Simply place it on a clean work surface, turn on and start welding.

- Fast setup as it instantly grounds to flat and round surfaces of steel
- Stronger hold in the shear (vertical) position allows for use with heavy gauge cable
- No more tacking on tabs and searching for ground location
- New fin design lowers temperature by 26%
- Our magnetic ground clamps come with the improved fin design which lowers temperature by 27%!
- With our ground clamps, no more tacking tabs or searching for ground location necessary.
- Simply place our magnetic ground clamp on a clean work surface, turn on and start welding!
- Save precious time and eliminate unnecessary grinding.
- Ideal for fast and easy setup on flat and round surfaces.




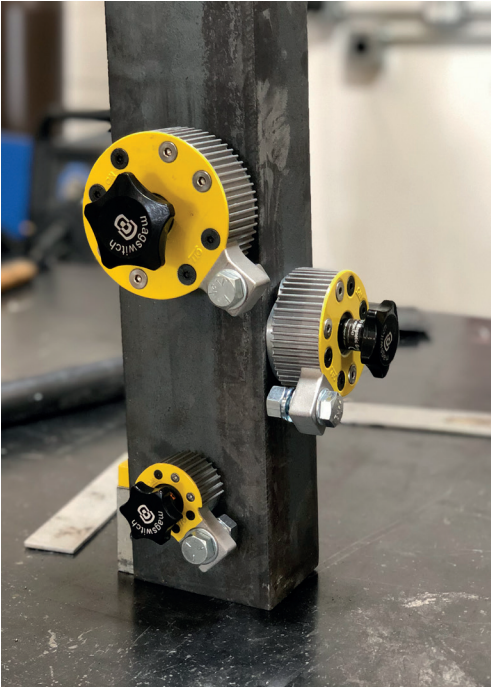
High Heat Variants Available


Flat



Round






			
	300 Amp Ground Clamp	600 Amp Ground Clamp	800 Amp Ground Clamp
Part No.	8100746	8100747	8100552

MagSquares


Applications: Fixturing, Workholding, Mounting

The most versatile workholding and fixturing tool ever! Align and secure flat or round pieces of steel to fabricate angles. Pull corners, secure steel for cutting, use as a guide, make your own fixtures and more.

- Multiplane magnetic grip on 5 sides
- Machined at 90° with pre-tapped holes for mounting
- Mounts anywhere - no limitations like clamps
- Holds flat and round surfaces of steel




High Heat Variants Available




Accessories Available

Flat


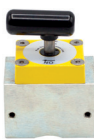




Round



Bulk quantities available for your custom applications, please contact sales@magswitch.com



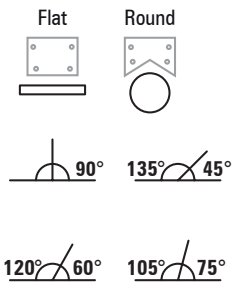
				
	MagSquare 165	MagSquare 400	MagSquare 600	MagSquare 1000
Part No.	8100494	8100238	8100106	8100099


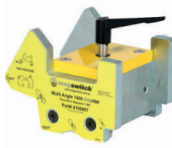
MagVises

Applications: Fixturing, Welding

Finally, a vise you don't have to bolt in place. The MagVise is perfect for drilling, cutting, grinding and beveling small to medium size pieces.

- Offers 45/135°, 60/120°, 75/105° and 90° angles
- Doubles as a multi-angle work holding tool
- Vise options include round, angle stock, square bar or flat
- Holds flat and round surfaces of steel




	 MagVise 1000	 MagVise 1500
Part No.	8100450	8100897

MagMounts


Applications: Mounting, Hanging

Perfect for easy movement and placement of a tool!
Strong magnetic hold force with a single on and off lever.
The top of the tool is ready for mounting a variety of accessories.

- Fixed bar magnet is for flat steel
- Swivel bar magnet is for round and uneven shapes
- Multiple threaded holes on the top
- Perfect for top mount tools, measuring and security devices
- Holds flat and round surfaces of steel




High Heat Variants Available




Accessories Available






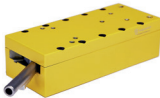
Flat



Round



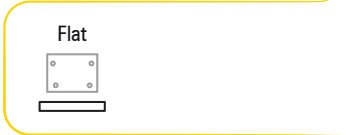


	 MagMount 60 Keychain	 MagMount 150	 MagMount 235	 MagMount 300	 MagMount 400	 MagMount 600	 MagMount 1100
Part No.	81001291	8100579	8100451	8100595	8100523	8100580	81001397

MagReach

Applications: Lifting, Guiding

The MagReach eliminates the need to touch sharp, dirty or hot materials. This tool can pull parts off the burn table while standing on the side instead of jumping on top, eliminates the need for bending over and prevents back injuries. The MagReach is excellent for positioning and guiding heavy sheets and tubes with an extendable handle for varying distances.



- Hands off steel: Classic Magswitch No-Touch tool
- Eliminates the need to touch sharp, dirty or hot materials
- Pulls parts off the burn table while standing on the side
- Extendable handle for varying distances
- Multiple working surfaces meant for flat and round material
- Increases productivity and safety in workplaces and production floors



MagReach 400

Part No.	81001322
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Hand Lifters 60M & 60CE


Application: Lifting

60M: Magswitch Hand Lifter 60M is a manual on and off magnetic hand lifter great for dragging sheet and all your small steel handling needs.

- Holds flat and round surfaces of steel
- Pivot handle with multiple settings (for sheet dragging) or locking handle vertical for use as a hand lifter
- No need to manhandle steel or fight magnets in moving steel


60CE: Get more control with the use of only one hand! Lift and release steel with just the push of a button.

- Holds flat and round surfaces of steel
- 100% duty-cycle-magnet can stay on forever
- Battery strength indicator light, recharges in 20 minutes, batteries have 2000 actuations per charge, includes charger and 2 rechargeable batteries




Accessories Available

Flat



Round





Hand Lifter 60M



Hand Lifter 60CE

Part No.	8100359	8800487
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Cordless Electric Lifters

Applications: Lifting, Auto ON & Auto OFF Feature

Battery operated lifter uses a magnetic pulse of less than one second to turn the magnet on or off. Battery power is not consumed during the lift.

- Lifter features 3 control modes: Manual Push Button on/off, Remote Control, or Auto On/Off function which eliminates the need for the operator to touch or get close to the load when setting the magnet
- In auto mode, the magnet engages when the lifter is in contact with the steel and the lift hook is not under tension. Auto off occurs when the load is rested and tension is removed from the hook
- This important safety feature allows the operator to stand clear of the lift area
- Fail-safe operation: Built in Safety mechanism maintains full holding force and prevents load release in the event of lost battery charge
- Power reduction for de-stacking or low weight loads
- Available in 4 sizes
- Holds flat and round steel
- Productivity Increase/less workers needed
- Detachable battery-pack/ back up batteries available for no down time
- Add the hold forces on different material thicknesses



Features: Automatic On/Off


	CE 1100	CE 2100	CE 6600	CE 11000
Part No.	8140977	8140978	8140979	8140980
Max. Breakaway	3300 lbs	6300 lbs	19800 lbs	33070 lbs
Breakaway Force @ SWL 3:1	1100 lbs	2100 lbs	6600 lbs	11000 lbs

MLAY 600


Applications: Lifting, Infrastructure, Shipyard

Powerful without the need for a power source! Magswitch Heavy Lifters are built for heavy-duty lifting. The dual lift hook offers the stability to lift horizontally and a single hook to lift into a vertical position. Perfect for small materials and light to medium lifting! These lifters are lightweight, have a small profile and feature our full swivel hook for lifting from the top or side. Each features a locking handle to ensure release of load is only intentional. The MLAY600 is ideal for thin steel, but also holds strong on thick pieces of steel.

- Superior hold force on thin steel (70mm deep field)
- Compact, lightweight and easy actuation
- Lifts large flat sheets, beams and pipes
- Performs well on air gaps such as rust and dirt
- Customizable pole shoes to fit almost any application
- ASME Standards 3:1 Safe Working Load




High Heat Variants Available




Accessories Available

Flat



Round





* Standard pole shoes included, others upon request



MLAY 600



MLAY 600x2*



MLAY 600x4*


	MLAY 600	MLAY 600x2*	MLAY 600x4*
Part No.	8100089	8100360	8100364
Max. Breakaway	195 lbs	341 lbs	750 lbs

MLAY 1000


Applications: Lifting, Infrastructure, Shipyard

For heavy lifting, the Magswitch MLAY 1000 Series lifters achieve full hold on approximately 1 inch (25,4 mm) thick steel. These lifters feature our full swivel hook for lifting from the top or the side. Each lifter is manually activated and features a safety lock in both on and off position. The MLAY 1000 Series features a replaceable pole shoe, ideal for customizing to fit your application. Ideal for porous material and thick steel.

- Superior hold force on thin steel (70mm deep field)
- Compact, lightweight and easy actuation
- Lifts large flat sheets, beams and pipes
- Performs well on air gaps such as rust and dirt
- Customizable pole shoes to fit almost any application




High Heat Variants Available




Accessories Available

Flat









Round



* Standard pole shoes included, others upon request




	 MLAY 1000	 MLAY 1000x2*	 MLAY 1000x3*	 MLAY 1000x4*	 MLAY 1000x6*	 MLAY 1000x12
Part No.	8100088	8100484	8100403	8100418	8100482	8100549
Max. Breakaway	333 lbs	668 lbs	913 lbs	1215 lbs	2034 lbs	4025 lbs

Applications: Lifting Manhole Covers, Infrastructure and Utility Jobs


No more getting down on your knees or pinching your fingers to move heavy manhole covers! This collapsible Dolly helps you lift and carry heavy sheets, pipes or any steel object.

- Safer for your back, knees and hands
- Allows one person to move heavy objects
- Fast and easy setup
- Sturdy and reliable
- Maintains control and stays clean
- Maneuvers on uneven surfaces
- Compatible with lifting magnets, sold separately




Accessories Available

Flat



Round





		
	MagDolly	MagDolly Lite
Part No.	8100433	81001243

Magswitch Solutions - At Every Step Of The Way

- Shipbuilding/Ship Fitting
- Welding & Fabrication
- Material Handling
- Material Alignment

- Lifting Tools
- Heavy Lifting Solutions
- Automation



Heavy Lifting Solutions



Material Handling



Welding & Fabrication



Material Alignment



Lifting Tools



Automation



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