

Product Catalog

Lift Systems & Lifters



Changing The Way Things Are Done

Our Mission: Magswitch is the number one technology in magnetics, with over 65 patents globally. Magswitch commits between 15% and 20% of total revenue to new technology and product development. Magswitch magnetic tools deliver innovative solutions that increase safety, productivity and efficiency in industries such as automotive robotic assembly, heavy steel fabrication, general manufacturing, heavy industry and a range of consumer goods.

To maintain our number one competitive spot by applying disruptive technology across industries delivering quality design, engineering, customer service and support.



Benefits

- True On/Off - Magnet stays clean
- Fail-safe technology – no power required
- Rare Earth magnets – no power required
- Stronger & scalable force allows a better control
- Lighter, stronger on thin material & easier to use.
- Precise positioning



Safety

We consider safety in everything we do. If you work around steel, safety is the first consideration. Fewer hands 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. Keep your employees away from steel being moved, auto on means workers are not climbing and handling steel, standoff control of the load removes workers from a fall zone. Faster connection and movement delivers a safer efficient work zone.

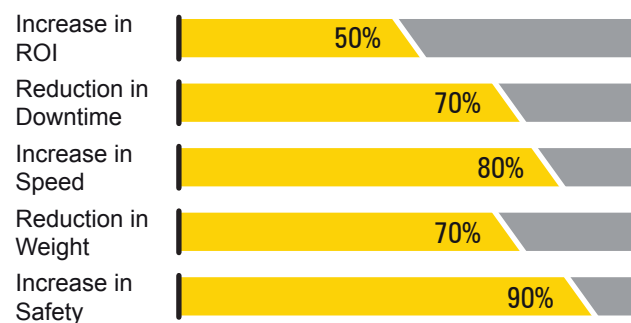


Sustainability

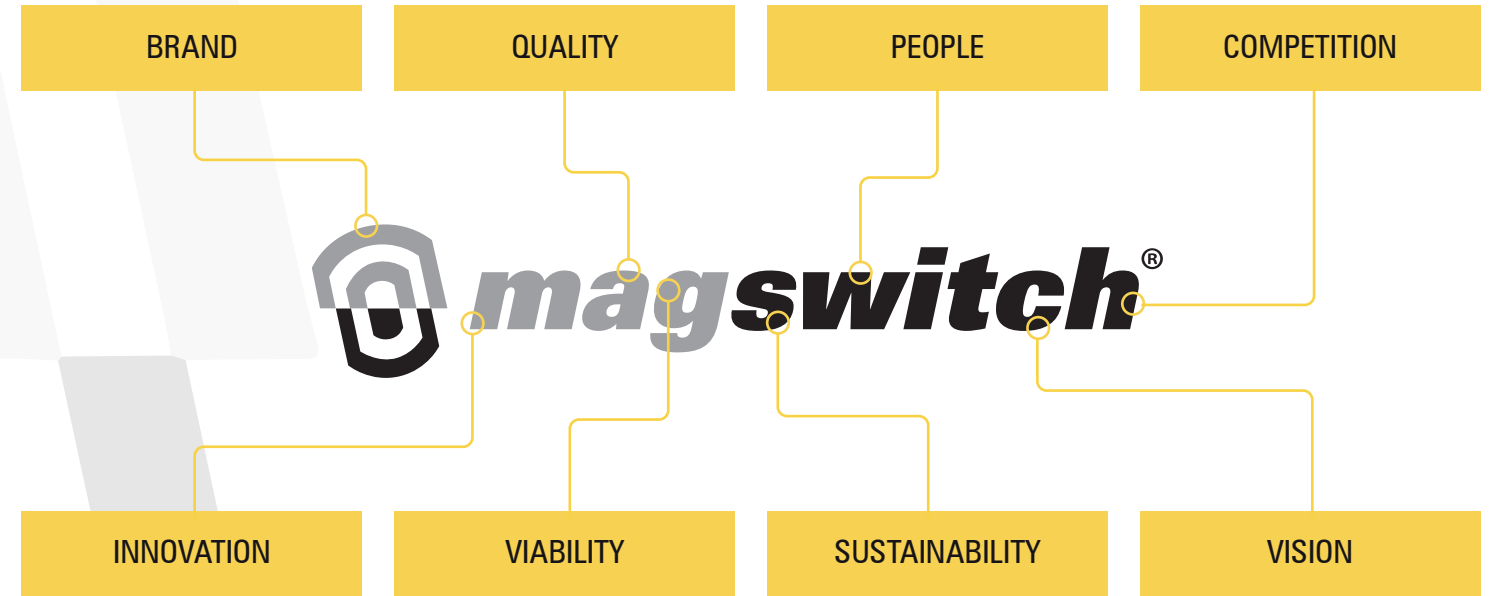
Magswitch products are a green technology utilizing the enduring power of rare earth magnets with low energy consumption.



Our Success



Magswitch DNA



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

Automation is the Global Growth Industry that greatly increases safety and efficiency. At Magswitch our customers can start with simple but effective welding, lifting, and joining tools. They will progress to semiautomation with lift assist, auto on/off small lifters and hand lifters. Cobotics combines the efficiency of robotics with direct interface with employees in an open work environment.

With sophisticated smart heavy lift systems, Magswitch offers systems that can select parts to remove from your burn table or that can lift a 50 ton sub-assembly.

Robotics is replacing repetitive functions, Magswitch can give you advice on the correct tools to grip and the robot integrator who can assist your investment decision.

Fundamentally we understand that our customers are evolving to improve their competitive position. Whether its production efficiency, increased safety or scaling your business, Magswitch is committed to being with our customers every step of the way.

Call a Magswitch consultant to ensure you get the right advice from an expert you can trust.



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 cs@magswitch.com for further information.



Custom Pole Shoes

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



Pole Shoe Variants

Our products are available with different pole shoe variants:

- Flat
- Round
- Irregular

SPM Fixed Spreader Beam

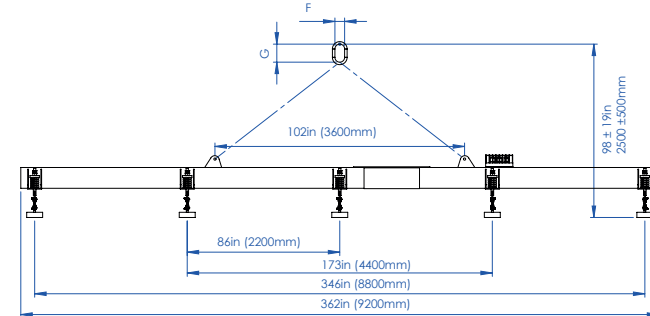
Features

- SPMs suspended from fixed length spreader beam.
- SPM Modules are placed so that the maximum range of plates are covered.
- Plate can be stored one on top of another without the use of wooden dunnage.
- Does not require additional person for putting chains.
- Double Mag Cycle - ensures the safe lifting of the load at more than 100% SWL.
- Power Control – Magnetic Power can be varied in 4 steps. Lower magnetic power for lifting thin plate.
- Electrical power consumption is 97% less than a similar electromagnet. No recurring battery replacement cost. No maintenance of DC contactors.
- Magnets can be selectively switched according to the length of the plate being handled.
- Smaller Plates – Internal magnets are switched ON.
- Larger Plates – All the magnets are switched ON.
- “Inching” feature –When the magnet is switched ON, it lifts more than a single thin plate. Using the inching feature, we can reduce magnetic power slowly so the additional plates are released. This is used to make sure that only one plate is handled at a time.



Application

- Loading/ unloading plates from Railway Wagons/ trucks.
- Storing in Plate yards.
- Feeding plate onto a flame/ plasma cutting machine table.
- Can be used with EOT/ Gantry/ Mobile Cranes etc.



Part No.	Rated Capacity: lb (kg)	Thickness: in (mm)		Width: in (mm)		Length: in (mm)		No. of Magnets	Self Weight: lb (kg)
		min	max	min	max	min	max		
Fixed - 2Ton	4,400 (2,000)	3/16 (5)		20 (500)	60 (1,500)	78 (2,000)	248 (6,300)	4 x 1	1,650 (750)
Fixed - 4Ton	8,800 (4,000)	3/16 (5)		20 (500)	98 (2,500)	78 (2,000)	248 (6,300)	4 x 2	2,650 (1,200)
Fixed - 5Ton	11,000 (5,000)	3/16 (5)		20 (500)	98 (2,500)	120 (3,000)	492 (12,500)	5 x 2	3,300 (1,500)
Fixed - 7.5Ton	16,500 (7,500)	3/16 (5)		20 (500)	98 (2,500)	120 (3,000)	492 (12,500)	5 x 2	3,970 (1,800)
Fixed - 10Ton	22,000 (10,000)	3/16 (5)		20 (500)	120 (3,000)	120 (3,000)	492 (12,500)	5 x 2	5,510 (2,500)
Fixed - 12Ton	26,000 (12,000)	1/4 (6)		20 (500)	120 (3,000)	120 (3,000)	492 (12,500)	5 x 2	6,170 (2,800)
Fixed - 16Ton	35,000 (16,000)	1/4 (6)		20 (500)	120 (3,000)	120 (3,000)	492 (12,500)	5 x 2	7,275 (3,300)

Important: Generally Cable Reeling drum is recommended for feeding electric power supply during the up/down movement of hoist.

Note: Line diagram of items marked as * are different. Due to continuous upgradation in design, there could be changes in specifications. Other sizes on request.

SPM Telescopic Beam

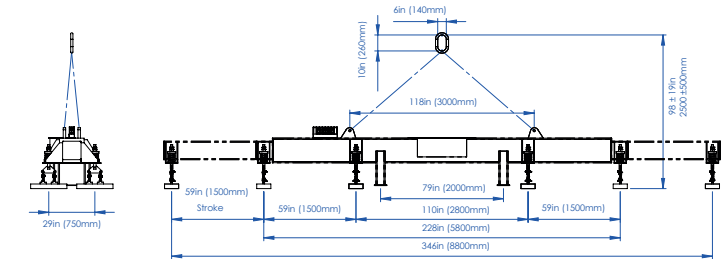
Features

- The more versatile lifting magnet system with additional features over SPM Fixed Spreader Beam.
- A set of SPM modules placed on the fixed part of the beam Another set placed on the telescopic part.
- Separate electrical actuator used for movement of telescopic part ensuring always equal and in sync.
- No oil seepage.
- The length of the moving beam can be adjusted depending on the length of the plate to be handled.
- Shorter Plate: activate only the inner magnets.
- Medium/ Thick Plate: activate all the magnets with the closed telescopic arm.
- Long Plate: activate all the magnets with the telescopic arm in the expanded position.



Application

- Save space for storing and moving on the shop floor.
- Storing in Plate yards.
- Feeding plates onto a flame/ plasma cutting machine table, one at a time.
- Loading/ unloading plates from Railway Wagons/ Trucks.
- Can be used with EOT/ Gantry/ Mobile Cranes etc.



Part No.	Rated Capacity: lb (kg)	Thickness: in (mm)		Width: in (mm)		Length: in (mm)		No. of Magnets	Self Weight: lb (kg)
		min	max	min	max	min	max		
Tele - 4Ton	8,800 (4,000)	3/16 (5)		20 (500)	98 (2,500)	78 (2,000)	248 (6,300)	4 x 2	2,650 (1,200)
Tele - 7.5Ton	16,500 (7,500)	3/16 (5)		20 (500)	98 (2,500)	120 (3,000)	492 (12,500)	4 x 2	3,970 (1,800)
Tele - 10Ton	22,000 (10,000)	3/16 (5)		20 (500)	120 (3,000)	120 (3,000)	492 (12,500)	4 x 2	5,510 (2,500)
Tele - 12Ton	26,000 (12,000)	1/4 (6)		20 (500)	120 (3,000)	120 (3,000)	492 (12,500)	4 x 2	6,170 (2,800)
Tele - 14Ton	30,800 (16,000)	1/4 (6)		20 (500)	120 (3,000)	120 (3,000)	492 (12,500)	4 x 2	7,275 (3,300)
Tele - 16Ton	35,000 (14,000)	1/4 (6)		20 (500)	138 (3,500)	120 (3,000)	630 (16,000)	6 x 2	7,700 (3,500)
Tele - 18Ton	39,600 (18,000)	1/4 (6)		20 (500)	138 (3,500)	120 (3,000)	630 (16,000)	6 x 2	8,800 (4,000)

Important: Generally Cable Reeling drum is recommended for feeding electric power supply during the up/down movement of hoist.

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SPM Vertical Plate Handling System

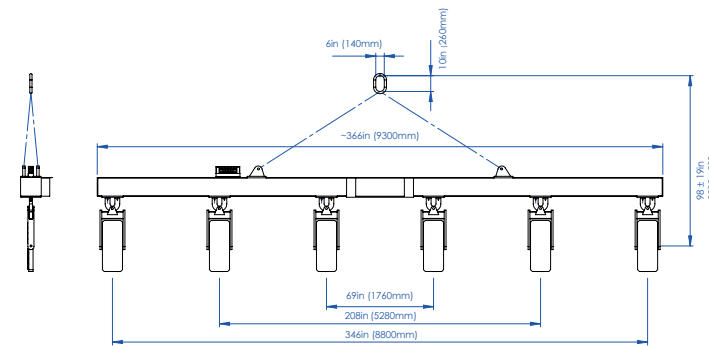
Features

- Handle plate in vertical or horizontal direction.
- SPM Modules are placed so that the maximum range of plates are covered.
- Simple self-tilting mechanism. No additional actuation.
- Horizontally placed plates can be stacked in vertical position or vertically stacked plates in horizontal position by appropriate placement of the magnets.
- Radio Remote Control – Operates from a convenient distance.
- Double Mag Cycle - ensures the safe lifting of the load at more than 100% SWL.
- “Inching” feature –When the magnet is switched ON, it lifts more than single thin plate. Using inching feature, we reduce magnetic power slowly such that an additional plate, if lifted, is released.
- Power Control – Magnetic Power can be varied in 4 steps. Lower magnetic power for lifting thin plate.
- Magnets can be selectively switched according to the length of the plate being handled.
- Smaller Plates – Only internal magnets are switched ON.
- Larger Plates – All the magnets are switched ON.



Application

- Optimum utilization of space as vertically stored plate takes less space and easy to sort.
- Feeding plates onto a flame/ plasma cutting machine table, one at a time.
- Loading/ unloading plates from Railway Wagons/ trucks.
- Can be used with EOT/ Gantry/ Mobile Cranes etc.



Part No.	Rated Capacity: lb (kg)	Thickness: in (mm)		Width: in (mm)		Length: in (mm)		No. of Magnets	Self Weight: lb (kg)
		min	max	min	max	min	max		
Vert - 4Ton	8,800 (4,000)	3/16 (5)	98 (2,500)	20 (500)	98 (2,500)	78 (2,000)	248 (6,300)	4 x 1	3,970 (1,800)
Vert - 7.5Ton	16500 (7,500)	3/16 (5)	98 (2,500)	20 (500)	120 (3,000)	120 (3,000)	492 (12,500)	6 x 1	6,170 (2,800)
Vert - 10Ton	22000 (10,000)	3/16 (5)	120 (3,000)	39 (1,000)	120 (3,000)	120 (3,000)	492 (12,500)	6 x 1	7,050 (3,200)
Vert - 12Ton	26000 (12,000)	1/4 (6)	120 (3,000)	39 (1,000)	120 (3,000)	120 (3,000)	492 (12,500)	6 x 1	7,500 (3,400)
Vert - 16Ton	35000 (16,000)	1/4 (6)	120 (3,000)	39 (1,000)	120 (3,000)	120 (3,000)	492 (12,500)	6 x 1	8,800 (4,000)

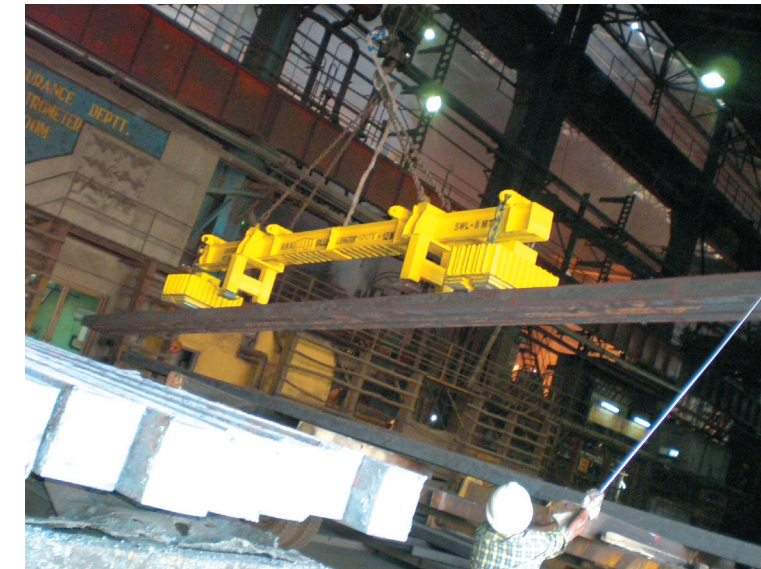
Important: Generally Cable Reeling drum is recommended for feeding electric power supply during the up/down movement of hoist.

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Billet Handling

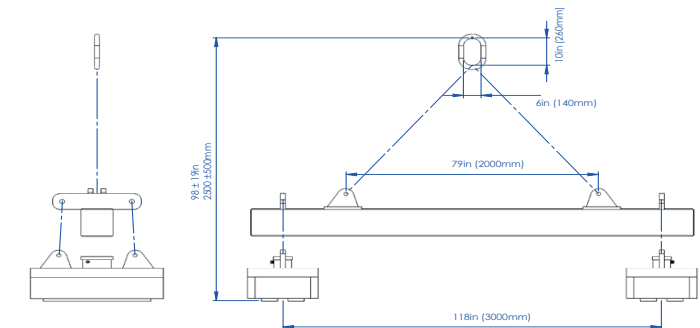
Features

- SPMs suspended from fixed length spreader beam.
- Location of SPM Modules are placed so that the maximum range of billet is covered.
- Billets can be stored one on top of another without the use of wooden dunnage.
- Does not require clearances or gaps between billets.
- Does not require additional person for putting chains.
- Magnetization is done in two steps. During the pickup stage, only 75% of magnetic power is given. This is to ensure that lifting is not above safety limits.
- Prior to transportation, 100% magnetic power is given to make it safe for transportation.
- ADPREM – Accidental Demagnetization PREvention Mechanism. Disable the demagnetization cycle when load is hanging/ chains are in tension.
- Radio Remote Control – Operates from a convenient distance.
- Electrical power consumption is 97% less than a similar electromagnet. No recurring battery replacement cost. No maintenance of DC contactors.



Application

- Storage in warehouses/ stores.
- Loading and unloading of trucks, ships, rail cars.
- Handling in steel mills and foundries (with temperature up to 600 C).
- Can be used with EOT/ Gantry/ Mobile Cranes etc.



Part No.	Rated Capacity: lb (kg)	Layer Width: in (mm)	Length: in (mm)		No. of Magnets
			min	max	
Billet - 3Ton*	6,600 (3,000)	24 (600)	20 (500)	120 (3,000)	1
Billet 4Ton	8,800 (4,000)	39 (1,000)	118 (3,000)	236 (6,000)	2
Billet 5Ton	11,000 (5,000)	55 (1,400)	236 (6,000)	472 (12,000)	2
Billet 7.5Ton	16,500 (7,500)	67 (1,700)	236 (6,000)	472 (12,000)	2

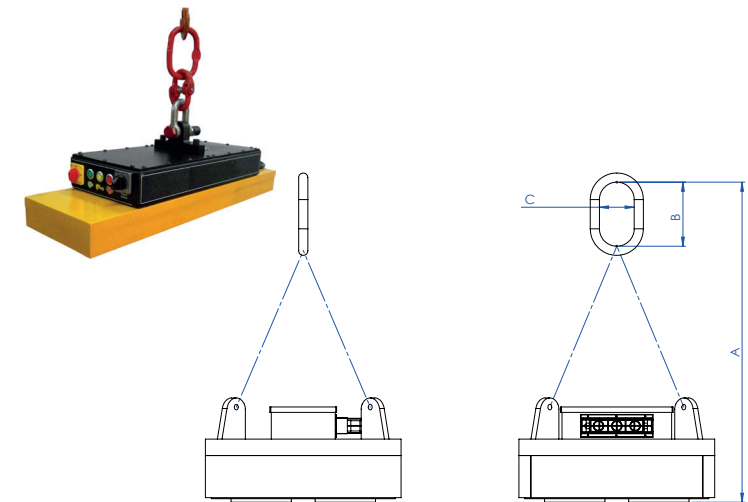
Important: Generally Cable Reeling drum is recommended for feeding electric power supply during the up/down movement of hoist.

Note: Line diagram of items marked as * are different. Due to continuous upgradation in design there could be changes in specifications. Other sizes on request.

SPM Slab Handling System

Features

- Maximum power at high operating air gaps.
- Slabs/ Plates can be stored one on top of another without the use of wooden dunnage.
- Does not require clearances or gaps.
- Does not require additional person for putting chains.
- ADPREM – Accidental Demagnetization PREvention Mechanism. Disable the demagnetization cycle when the load is hanging and chains are in tension.
- Radio Remote Control – Operates from a convenient distance.
- Electrical power consumption is 97% less than a similar electromagnet. No recurring battery replacement cost.



Application

- Storing in Plate/ Flat loads, blocks.
- Loading/ unloading plates from Railway Wagons/ Trucks.
- Can be used with EOT/ Gantry/ Mobile Cranes etc.

Part No.	Rated Capacity: lb (kg)	Thickness: in (mm)		Width: in (mm)		Length: in (mm)		Self Weight: lb (kg)
		min	max	min	max	min	max	
Slab - 5Ton	11,000 (5,000)	1.2 (30)	39 (1,000)	138 (3,500)	39 (1,000)	236 (6,000)	1,340 (610)	
Slab - 10Ton	22,000 (10,000)	1.2 (30)	39 (1,000)	138 (3,500)	39 (1,000)	236 (6,000)	2,100 (950)	
Slab - 15Ton	33,000 (15,000)	1.6 (40)	39 (1,000)	138 (3,500)	39 (1,000)	236 (6,000)	2,860 (1,300)	
Slab - 20Ton	44,100 (20,000)	1.6 (40)	39 (1,000)	138 (3,500)	39 (1,000)	236 (6,000)	3,850 (1,750)	
Slab - 25Ton	55,100 (25,000)	3.1 (80)	39 (1,000)	138 (3,500)	39 (1,000)	236 (6,000)	4,740 (2,150)	
Slab - 30Ton	66,100 (30,000)	3.1 (80)	39 (1,000)	138 (3,500)	39 (1,000)	236 (6,000)	5,950 (2,700)	

Important: Generally Cable Reeling drum is recommended for feeding electric power supply during the up/down movement of hoist.

Note: Line diagram of items marked as * are different. Due to continuous upgradation in design, there could be changes in specifications. Other sizes on request.

BAT SPM For Plate Handling System

Features

- Battery Operated SPM Lifter for handling plate/ pipes sections using mobile cranes.
- No hassle of Mains/Line electrical power connection.
- No cable reeling drum is required.
- Battery power needed only to switch ON/ OFF. No battery power is needed to keep magnets ON.
- Battery box mounted on top of the beam.
- With one charge get ~ 300 operations.
- Warning signal when battery level is low.
- Battery charger along with over-charge protection.
- Solar panel for automatic battery charging during outdoor application (OPTIONAL).



Application

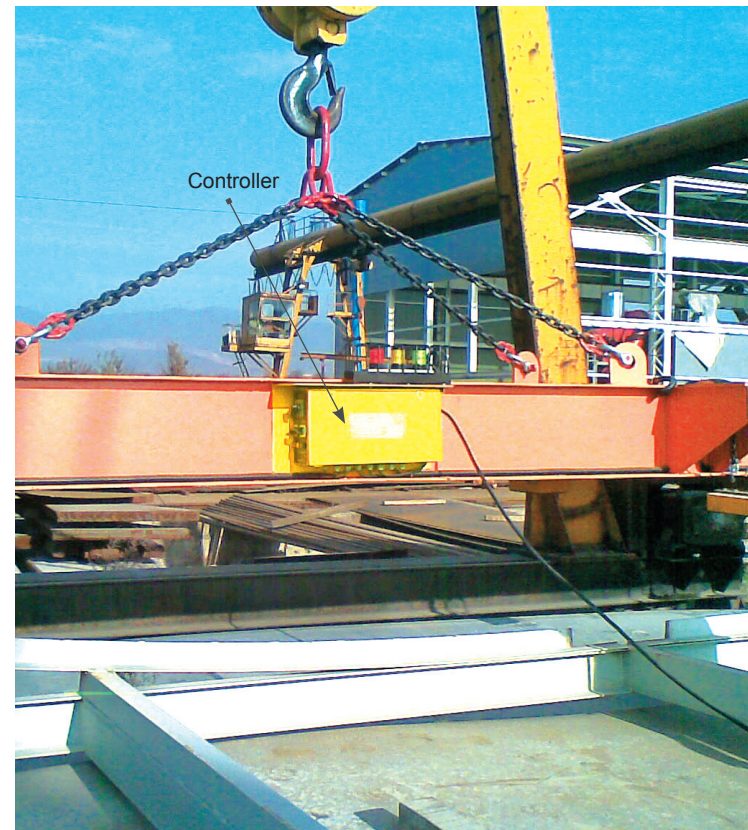
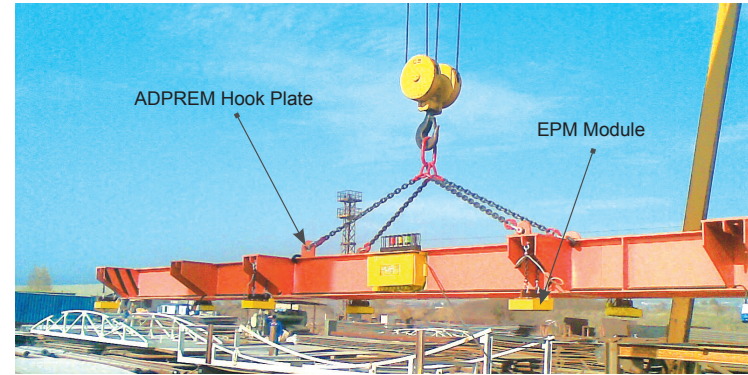
- Handling of plate/ pipe in open yard using mobile cranes.
- Handling of material where ready electrical power source is not available.
- Use the same beam to handling plate in open yard using mobile crane and inside the plant using EOT.



Mag Kit - Lifting Modules

Features

- SPMs in module with mounting holes.
- Each magnet is completely sealed with no moving parts.
- Magnets with safety factor of 3.
- Spring Suspension Box can be added to take care of waviness of plate.



Note:

- The modules can be integrated with our controller for SPM lifting magnet systems with all its features.
- ADPREM can also be integrated into the magnet module.

Part No.	Rated Capacity: lb (kg)	Thickness: in (mm)		Width: in (mm)		Length: in (mm)		No. of Magnets	Self Weight: lb (kg)
		min	max	min	max	min	max		
MagKit - 2Ton	4,400 (2,000)	3/16 (5)	20 (500)	60 (1,500)	78 (2,000)	248 (6,300)	4 x 1	1,650 (750)	
MagKit - 4Ton	8,800 (4,000)	3/16 (5)	20 (500)	98 (2,500)	78 (2,000)	248 (6,300)	4 x 2	2,650 (1,200)	
MagKit - 5Ton	11,000 (5,000)	3/16 (5)	20 (500)	98 (2,500)	120 (3,000)	492 (12,500)	5 x 2	3,300 (1,500)	
MagKit - 7.5Ton	16,500 (7,500)	3/16 (5)	20 (500)	98 (2,500)	120 (3,000)	492 (12,500)	5 x 2	3,970 (1,800)	
MagKit - 10Ton	22,000 (10,000)	3/16 (5)	20 (500)	120 (3,000)	120 (3,000)	492 (12,500)	5 x 2	5,510 (2,500)	
MagKit - 12Ton	26,000 (12,000)	1/4 (6)	20 (500)	120 (3,000)	120 (3,000)	492 (12,500)	5 x 2	6,170 (2,800)	
MagKit - 16Ton	35,000 (16,000)	1/4 (6)	20 (500)	120 (3,000)	120 (3,000)	492 (12,500)	5 x 2	7,275 (3,300)	

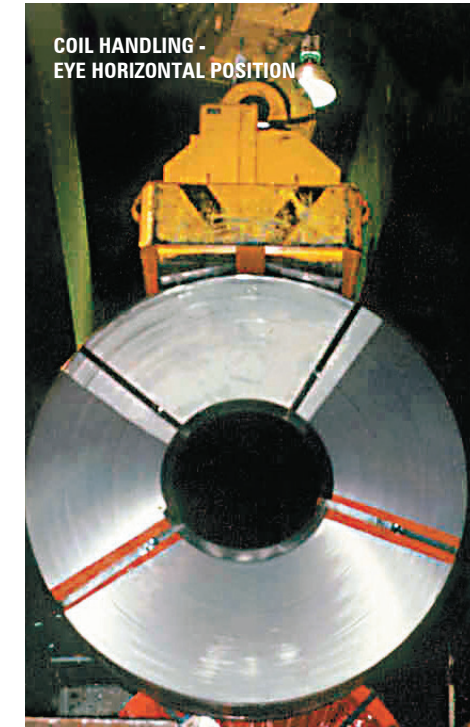
Important: Generally Cable Reeling drum is recommended for feeding electric power supply during the up/down movement of hoist.

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SPM Coil Handling System

Features

- Handling the coil is quick and secure.
- No damage to the coil unlike clamps/ C-hook/ chain.
- Contacts from the top face of the coil. No compression or deformations.
- No additional room required for lifting & placing.
- Magnets available for handling coil horizontally/ vertically.
- Maximum performance even with high operating air gaps.
- Does not require additional person for putting slings/ chains/ clamps.
- ADPREM – Accidental Demagnetization PREvention Mechanism. Disable the demagnetization cycle when carrying load.
- Radio Remote Control – Operates from a convenient distance.



Part No.	Rated Capacity: lb (kg)	Material Thickness: in (mm)	Inner Diameter in (mm)	Outer Diameter: in (mm)	Coil Height: in (mm)
Coil - 2Ton	4,400 (2,000)	0.01 (0.3) - 0.25 (6.0)	20 (508) - 24 (610)	59 (1,500)	1 (25) - 12 (300)
Coil - 5Ton	11,000 (5,000)	0.01 (0.3) - 0.25 (6.0)	20 (508) - 24 (610)	67 (1,700)	2 (50) - 20 (500)
Coil - 10Ton	22,000 (10,000)	0.01 (0.3) - 0.25 (6.0)	20 (508) - 24 (610)	79 (2,000)	15.5 (400) - 53 (1,350)
Coil - 15Ton	33,000 (15,000)	0.01 (0.3) - 0.25 (6.0)	20 (508) - 24 (610)	55 (1,400)	15.5 (400) - 53 (1,350)
Coil - 20Ton	44,100 (20,000)	0.01 (0.3) - 0.25 (6.0)	20 (508) - 24 (610)	75 (1,900)	15.5 (400) - 53 (1,350)
Coil - 25Ton	55,100 (25,000)	0.01 (0.3) - 0.25 (6.0)	20 (508) - 24 (610)	79 (2,000)	20 (500) - 53 (1,350)
Coil - 30Ton	66,100 (30,000)	0.01 (0.3) - 0.25 (6.0)	20 (508) - 24 (610)	83 (2,100)	20 (500) - 53 (1,350)
Coil - 40Ton	88,100 (40,000)	0.01 (0.3) - 0.25 (6.0)	20 (508) - 24 (610)	85 (2,150)	24 (600) - 73 (1,850)

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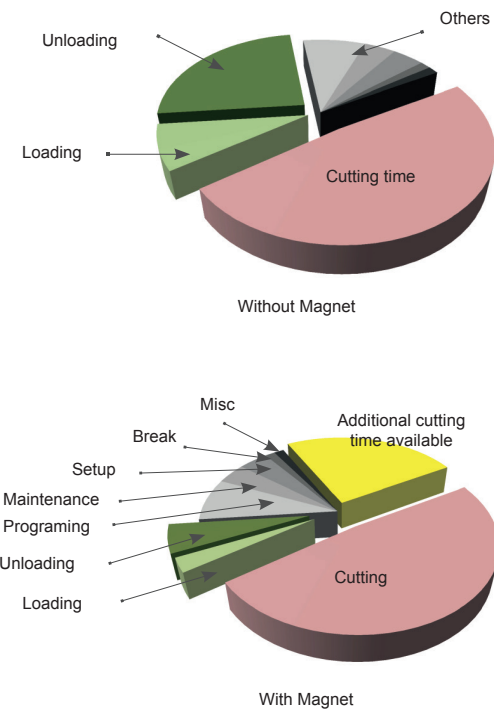
SPM Plate Lifting System For Cut-Out Handling

Features

- Optimized magnet and beam weight to get maximum lifter with your crane.
- Use magnet to load full plate on the machine.
- After cutting, unload the cut-outs and skeleton using the same magnet in 1 or 2 lifts.
- Cut more parts per shift by maximizing torch time.
- Customise Magnet modules switching.
- Total or selective coverage.
- Increase safety by keeping operator off the cutting table.
- Stop using the table as a sorting table.
- One man can load/ unload the plate/ cut-outs.
- Quick parts removal eliminates idle machine time.



INCREASE PRODUCTIVITY & PROFITS



Part No.	Beam Type	Self Weight : lb (kg)	Thickness: in (mm)		Min. Cut piece: in mm	Max. Cutout area: in (mm)		Max. Full Plate Area: in (mm)		Rated Capacity: lb (kg)
			min	max		width	Length	Width	Length	
CutOut - 1Ton	Fixed	1,650 (750)	5/32 (4)	5/8 (16)	12 (300) x 12 (300)	60 (1,500)	120 (3,000)	60 (1,500)	120 (3,000)	2,200 (1,000)
CutOut - 1.5Ton	Fixed	4,400 (2,000)	5/32 (4)	1 (25)	12 (300) x 12 (300)	60 (1,500)	158 (4,000)	60 (1,500)	158 (4,000)	3,300 (1,500)
CutOut - 2Ton	Fixed	6,400 (2,900)	5/32 (4)	1 (25)	12 (300) x 12 (300)	78 (2,000)	158 (4,000)	78 (2,000)	158 (4,000)	4,400 (2,000)
CutOut L - 2Ton	Fixed	7,500 (3,400)	5/32 (4)	1 (25)	12 (300) x 12 (300)	60 (1,500)	248 (6,300)	60 (1,500)	248 (6,300)	4,400 (2,000)
CutOut - 3Ton	Fixed	10,100 (4,600)	5/32 (4)	1 (25)	12 (300) x 12 (300)	98 (2,500)	248 (6,300)	98 (2,500)	248 (6,300)	6,600 (3,000)
CutOut - 8Ton	Fixed	14,550 (6,600)	5/16 (8)	2 (50)	20 (500) x 20 (500)	98 (2,500)	248 (6,300)	98 (2,500)	315 (8,000)	17,600 (8,000)
CutOut - 10Ton	Telescopic	15,000 (6,800)	3/16 (5)	2 (50)	12 (300) x 12 (300)	60 (1,500)	248 (6,300)	138 (3,500)	492 (12,500)	22,000 (10,000)
CutOut L - 10Ton	Telescopic	15,400 (7,000)	3/16 (5)	2 (50)	12 (300) x 12 (300)	98 (2,500)	248 (6,300)	138 (3,500)	630 (16,000)	22,000 (10,000)

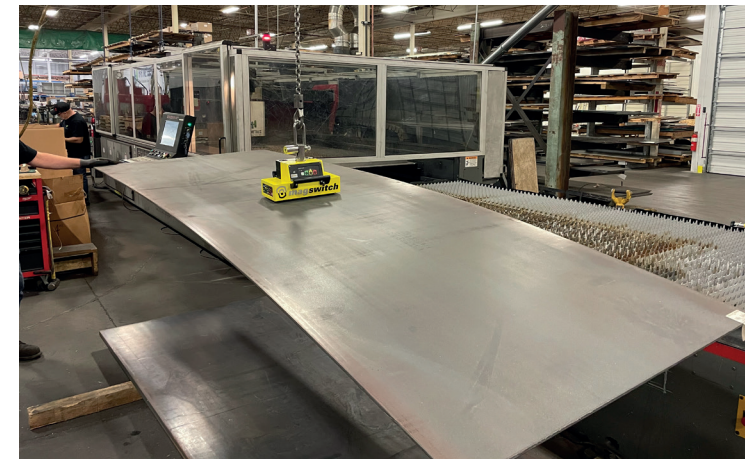
Important: Generally Cable Reeling drum is recommended for feeding electric power supply during the up/down movement of hoist.

Note: Line diagram of items marked as * are different. Due to continuous upgradation in design, there could be changes in specifications. Other sizes on request.

CE Units - New Generation SPM Battery Magnet

Features

- Fail Safe – no power required once actuated.
- Small, compact, robust and handy.
- Selectable between switching manually or automatic.
- On tool button.
- Independent of main power supply.
- Lithium-ion battery is charged in approx. 3 hours.
- Application for flat and round material.
- 5:1 safety factor
- A built in security mechanism prevents demagnetization when the load is suspended. Therefore unintentional release of the load is prevented.
- Automatic on/off actuation when landing and placing the workpiece in AUTO mode.
- Charging supply voltage of 110V/230V



Part No.	Rated Capacity: lb (kg)	Self Weight: lb (kg)	Cycles per Charge
8140976	440 (200)	22 (10)	800
8140977	1100 (500)	55 (25)	800
8140978	2100 (950)	90 (41)	400
8140979	6600 (3000)	418 (190)	300
8140980	11000 (5000)	1146 (520)	300

Important: Generally Cable Reeling drum is recommended for feeding electric power supply during the up/down movement of hoist.

Note: Line diagram of items marked as * are different. Due to continuous upgradation in design there could be changes in specifications. Other sizes on request.

Magnalift Electro Magnetic Circular Lifters

Features

- Constructed with high permeability steel casing.
- Duty Cycle 50%/ 60%/ 75% in 10 minutes cycle.
- Aluminum/ Copper/ Anodized Aluminum Conductor Wound coils, with "H" or "C" Class insulation.
- Completely sealed with thermal conductive compound and protected terminal box.
- Supplied along with standard three legged chain suspension with bull ring.
- Non-Linear Resistors for surge suppression (optional).
- Operates on 220 V DC, Other voltage on request.
- Compact Heavy duty control panel with easy maintenance.
- Lead Acid/ Ni-cd Battery Back-up with Charger.
- Cable Reeling Drum in various types are available.

Application

- Loading/ unloading of steel scrap/ pig iron/ cast iron/ borings/turnings / broken scrap.
- Handles slabs, blooms and ingots.
- Handle plates/ angle/ channels.
- Used in smelt mixing operation.
- Can be used with mobile cranes.
- Direct feeding into the furnace.
- Sweeping/ cleaning of mill area.



Steel Mill Duty Series



Heavy Duty Series

Steel Mill Duty Series

Part No	Dia of Magnet	Rated Power	Approx. Weight	Slab ingot	Pig Iron	Cast iron Scrap (Grade 3a)	Solid Scrap (Grade 24)	Short Steel Turnings (Grade 40)
	in (mm)							
EMSM - 14Ton	44 (1,130)	8	3,350 (1,520)	32,400 (14,700)	1,760 (800)	1,540 (700)	1,400 (650)	660 (300)
EMSM - 22Ton	53 (1,350)	10.5	5,100 (2,320)	48,500 (22,000)	2,750 (1,250)	2,425 (1,100)	2,200 (1,000)	1,100 (500)
EMSM - 26Ton	57 (1,440)	12.5	6,280 (2,850)	58,000 (26,300)	3,300 (1,500)	2,860 (1,300)	2,640 (1,200)	1,300 (600)
EMSM - 30Ton	61 (1,550)	14	7,450 (3,380)	67,250 (30,500)	3,860 (1,750)	3,300 (1,500)	3,080 (1,400)	1,540 (700)
EMSM - 31Ton	63 (1,600)	14.5	7,830 (3,550)	68,350 (31,000)	4,000 (1,800)	3,400 (1,550)	3,200 (1,450)	1,600 (725)
EMSM - 39Ton	69 (1,750)	18	11,730 (5,320)	87,000 (39,500)	5,180 (2,350)	4,500 (2,050)	4,180 (1,900)	2,100 (950)
EMSM - 44Ton	72 (1,840)	20	13,500 (6,130)	98,100 (44,500)	5,840 (2,650)	5,180 (2,350)	4,850 (2,200)	2,425 (1,100)
EMSM - 56Ton	80 (2,020)	23.5	18,000 (8,150)	123,500 (56,000)	7,280 (3,300)	6,600 (3,000)	6,170 (2,800)	3,000 (1,350)
EMSM - 68Ton	89 (2,250)	27.5	23,400 (10,600)	151,000 (68,500)	8,800 (4,000)	8,150 (3,700)	7,700 (3,500)	3,750 (1,700)

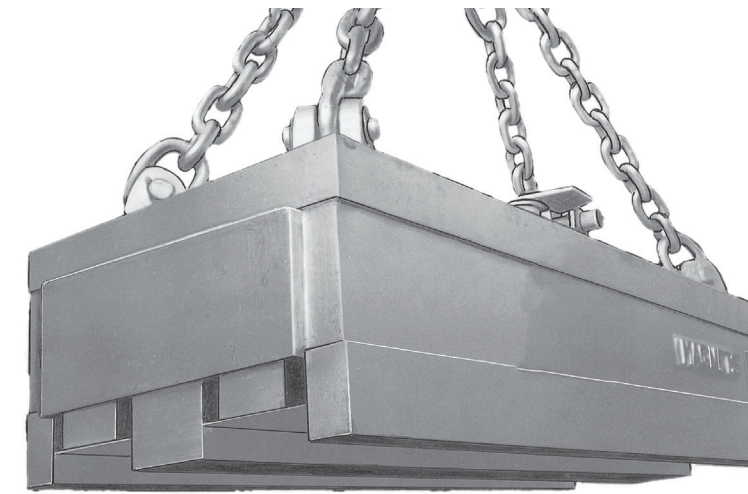
Heavy Duty Series

Part No	Dia of Magnet	Rated Power	Approx. Weight	Slab ingot	Pig Iron	Cast iron Scrap (Grade 3a)	Solid Scrap (Grade 24)	Short Steel Turnings (Grade 40)
	in (mm)							
EMHD - 4Ton	27.5 (700)	2.5	800 (365)	8,800 (4,000)	475 (215)	390 (175)	360 (165)	165 (75)
EMHD - 7Ton	35 (900)	4	1,430 (650)	15,300 (6,945)	825 (375)	660 (300)	615 (280)	280 (130)
EMHD - 8.8Ton	39 (1,000)	4.5	1,940 (880)	19,400 (8,815)	1070 (485)	860 (390)	800 (365)	375 (170)
EMHD - 11Ton	43 (1,100)	6.0	2,750 (1,250)	25,000 (11,345)	1400 (640)	1,100 (500)	1,080 (490)	500 (225)
EMHD - 16Ton	51 (1,300)	8.5	4,000 (1,820)	35,800 (16,265)	2150 (975)	1,720 (780)	1,640 (745)	750 (340)
EMHD - 23Ton	63 (1,600)	11	6,040 (2,740)	50,700 (23,000)	3080 (1,400)	2,535 (1,150)	2,425 (1,100)	1,100 (500)
EMHD - 30Ton	71 (1,800)	13.9	8,090 (3,670)	66,100 (30,010)	4400 (2,000)	3,500 (1,600)	3,300 (1,500)	1,540 (700)
EMHD - 35Ton	79 (2,000)	17.2	10,400 (4,750)	781,00 (35,450)	5670 (2,575)	4,560 (2,070)	4,320 (1,960)	1,980 (900)

Magnalift Electro Magnetic Rectangular Lifters

Features

- Constructed with high permeability steel casing.
- Compact, light weight & increased heavyduty cycle.
- Aluminum/ Copper/ Anodized Aluminum Conductor wound coil, with "H" or "C" Class insulation.
- Completely sealed with thermal conductive compound and protected terminal box.
- Custom designed poles for special profiles.
- Operates on 220 V DC, Other voltage on request.
- Magnets for handling hot materials up to 6000 C also available.
- Optional - Lead Acid/ Nickel cadmium Battery Back-up with Charger.
- The ordering code for Aluminum wound lifters is 22102.
- The ordering code for Anodized Aluminum wound lifters is 22103.
- Spreader beams suitable for 6/ 12/ 24 Meters long billets/ plates/ Re-bars are also supplied as per customer specification.



Application

- Useful for production and stock yards.
- Loading/ unloading of steel plates/ billets/ bars/ blooms from trucks.
- Handles slabs, blooms and ingots.
- Can be used in tandem with spreader beam.
- Special design for handling large coils.

Technical Specifications

Part No	W: in (mm)	L: in (mm)	H: in (mm)	Self Weight: lb (kg)	Power (KW)	Billet Size No. x section: in (mm)	Billet Length (M)	Billet Lifting Capacity: lb (kg)
EM - 5Ton	22 (560)	35 (900)	15 (380)	2,650 (1,200)	5	5 x 5.1 (130)	6	11,000 (5,000)
EM - 7Ton	22 (560)	48 (1,200)	15 (380)	3,600 (1,650)	6	7 x 5.1 (130)	6	15,400 (7,000)
EM - 10Ton	22 (560)	63 (1,600)	15 (380)	4,400 (2,000)	7	8 x 5.9 (150)	6	22,000 (10,000)
EM - 12Ton	28 (700)	67 (1,700)	15 (380)	6,170 (2,800)	7	6 x 9 (230)	6	26,400 (12,000)
EM - 10Ton	35 (900)	79 (2,000)	15 (380)	11,00 (5,000)	12	3 x 21.5 (550)	6	44,100 (20,000)



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