HANDLING AND LIFTING

Make use of the force and easy control of the lifting magnets in your company. Magnetic tools will replace ropes, chains or clamps during handling and lifting. Your operations will be more efficient, you will save manpower and enhance safety when handling steel semi-finished products, workpieces and finished products in smelting works and steel works, workshops, and in metallurgical material warehouses.

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Neo

Large non-magnetic stainless steel suspension lug

Safety factor 3+

Fixed magnet body, only 2 recessed screws to attach the lever stop

5-year warranty for the magnetic system

The Air Gap test – a tear-off test is carried out with an air gap - we place emphasis on advanced safety in real operating conditions

Easy Switch

When to choose a Neo permanent lifting magnet:

The Neo magnet is widely used for handling ferromagnetic materials in the metal industry – in workshops, on building sites, in warehouses for semi-finished steel products, and when handling steel workpieces, tools, sheets, metal profiled sections, tubes, and bars.

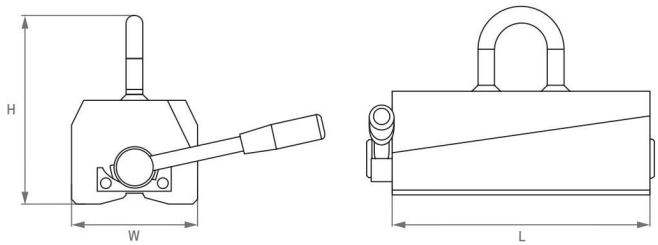
APPLICATION	TECHNOLOGY	NOMINAL LIFTING CAPACITY FOR FLAT MATERIAL	NOMINAL LIFTING CAPACITY FOR ROUND MATERIAL	TEMPERATURE
Lifting	Permanent	up to 2000 kg	up to 1000 kg	max. 80 °C

Other important parameters:

Safety factor: 3+ (according to EN 13155)

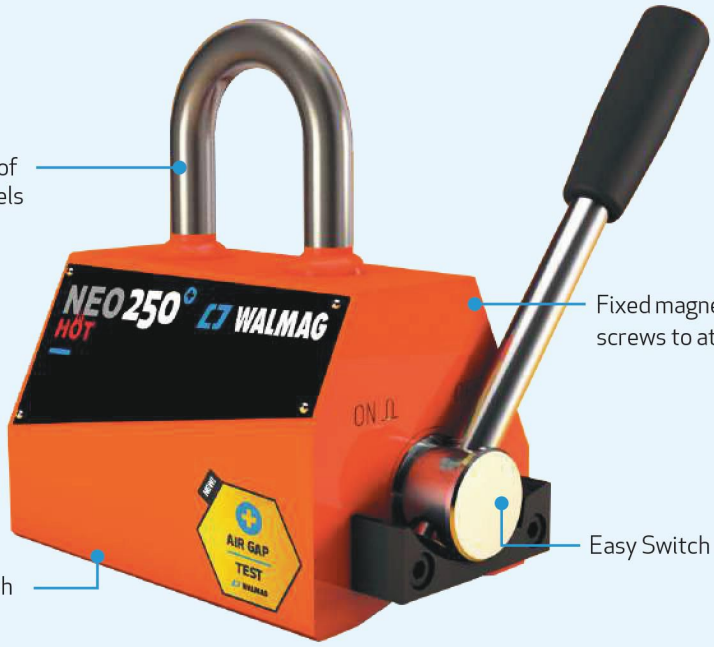
Use:

+ handling of flat materials
+ handling of circular materials and profiles



Catalog number	W (mm)	L (mm)	H (mm)	Ø of the lug (mm)	Weight (kg)	Workload limit flat materials (kg)	Workload limit round materials (kg)	Ø min/max (mm)
NEOL150	60	93	120	10	3	150	65	50/100
NEOL300	100	152	180	16	10	300	150	60/200
NEOL600	120	246	180	20	21	600	300	65/270
NEOL1000	146	306	236	20	40	1000	500	100/300
NEOL1500	165	374	273	20	69	1500	750	150/350
NEOL2000	165	478	273	20	90	2000	1000	150/350

Neo Hot



When to choose a Neo Hot permanent lifting magnet:

This is a special version of the Neo lifting magnet, designed to handle hot materials up to 180 °C.

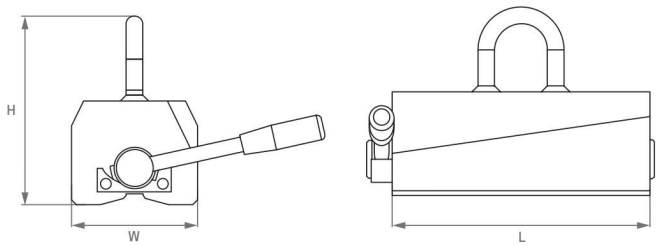
APPLICATION	TECHNOLOGY	NOMINAL LIFTING CAPACITY FOR FLAT MATERIAL	NOMINAL LIFTING CAPACITY FOR ROUND MATERIAL	TEMPERATURE
Lifting	Permanent	up to 2000 kg	up to 1000 kg	max. 180 °C

Other important parameters:

Safety factor: 3+ (according to EN 13155)

Use:

+ handling of flat materials
+ handling of circular materials and profiles



Catalog number	W (mm)	L (mm)	H (mm)	Ø of the lug (mm)	Weight (kg)	Workload limit flat materials (kg)	Workload limit round materials (kg)	Ø min/max (mm)
NEOL125H	60	93	120	10	3	125	40	50/100
NEOL250H	100	152	180	16	10	250	125	60/200
NEOL500H	120	246	180	20	21	500	250	65/270
NEOL1000H	146	306	236	20	40	1000	500	100/300
NEOL1500H	165	374	273	20	69	1500	750	150/350
NEOL2000H	165	478	273	20	90	2000	1000	150/350

BM

When to choose the BM lifting magnet:

The BM battery lifting magnet complete with remote control is a suitable tool for handling in workstations where it is otherwise difficult to operate a lifting device manually. The remote control operates up to 10 metres away. It is also used for cutters and flame cutting machines when handling metal sheets and loads up to 5,000 kg.

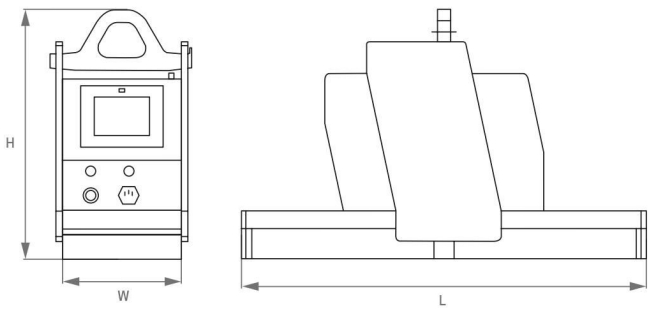
APPLICATION	TECHNOLOGY	NOMINAL LIFTING CAPACITY	DUTY CYCLE	BATTERY LIFE
Lifting	Electro/battery	up to 5000 kg	50 %	8 hours at 50 % cycle

Other important parameters:

Temperature: max. 50°C
Safety factor: 2:1

Use:

+ lifting a load with a flat surface
+ as accessories for workshop cranes for handling material on grinding, milling, cutting, and burning machines
+ in metallurgical plants, warehouses, and dispatch departments



Catalog number	Workload limit flat materials (kg)	W x L of base (mm)	H (mm)	Weight (kg)	Built-in battery	Type of battery
BM1350	1350	242 x 272	508	60	12 V/35 Ah	FG12 - 35 D
BM2500	2500	242 x 402	512	72	12 V/75 Ah	FG12 - 75 D
BM3600	3600	242 x 1050	512	180	12 V/75 Ah	FG12 - 75 D
BM5000	5000	300 x 1202	527	203	12 V/75 Ah	FG12 - 75 D

BMP

It can also be controlled via the IR remote control up to 10 m away

Display with LED battery status indicator

Pole attachments allow handling of circular material and profiles

When to choose a BMP battery-powered lifting magnet:

The battery- powered BMP series magnets are easily manageable aids with a high degree of safety. They are designed to handle round and other profiles as well as flat shaped materials. The remote control will facilitate your work in locations with poor accessibility.

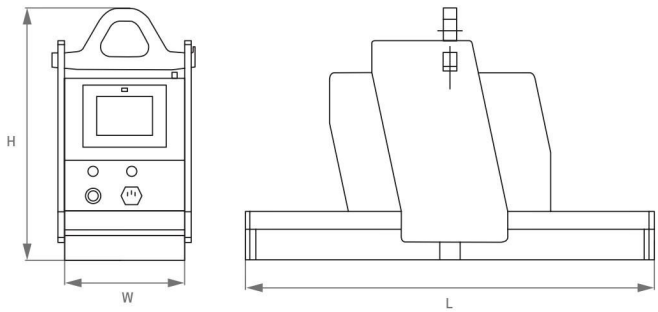
APPLICATION	TECHNOLOGY	NOMINAL LIFTING CAPACITY FOR FLAT MATERIAL	NOMINAL LIFTING CAPACITY FOR ROUND MATERIAL	WORKING CYCLE
Lifting	Electo/battery	up to 3600 kg	up to 2260 kg	50 %

Other important parameters:

Temperature: max. 50°C
Safety factor: 2:1

Use:

+ handling loads with reduced surface quality
+ handling tubes, rods, I, H, T, and Z profiles and others
+ it can cope with flat materials, angles, and sheet piles



Catalog number	Workload limit flat materials (kg)	Workload limit round materials (kg)	Ø min/max (mm)	W x L of base (mm)	H (mm)	Weight (kg)	Built in battery
BMP1800	1800	1130	40/440	242 x 470	659	167	12 V/75 Ah
BMP3600	3600	2260	45/500	263 x 764	713	420	12 V/75 Ah

GP 250

When to choose a GP 250 permanent crane magnet:

The GP 250 is a permanent crane magnet for handling metal sheets and steel plates from 3 mm thick. Loads up to 250 kg can be manoeuvred horizontally with up to 80 kg vertically. Thanks to its unique pole configuration, it is possible to use this magnet to take individual metal plates from a stack, from 4 mm thick. The magnet is in compliance with a carrying capacity factor of 4:1.

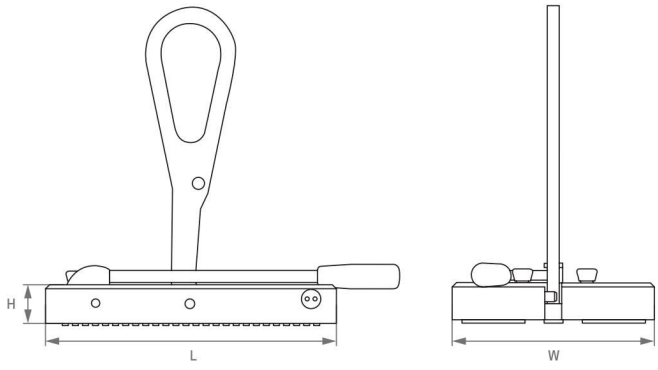
APPLICATION	TECHNOLOGY	HORIZONTAL WORKING LIMIT	VERTICAL WORKING LIMIT	SAFETY FACTOR
Lifting	Permanent	up to 250 kg	up to 80 kg	4:1

Other important parameters:

Dimension: 288 x 200 x 40 mm
Temperature: max. 80°C

Use:

+ handling of loads from horizontal to vertical and vice versa
+ handling stacked sheets from a material thickness of 4 mm



Catalog number	W (mm)	L (mm)	H (mm)	Horizontal limit (kg)	Vertical limit (kg)	Weight (kg)
GP250	200	288	38	250	80	9,75

Neo EP

When to choose a Neo EP electropermanent lifting magnet:

Neo EP electropermanent lifting magnets are suitable for frequent and repeated workpiece handling and lifting – electrical control of the magnet requires no physical exertion, which is why it saves manpower and enhances work efficiency.

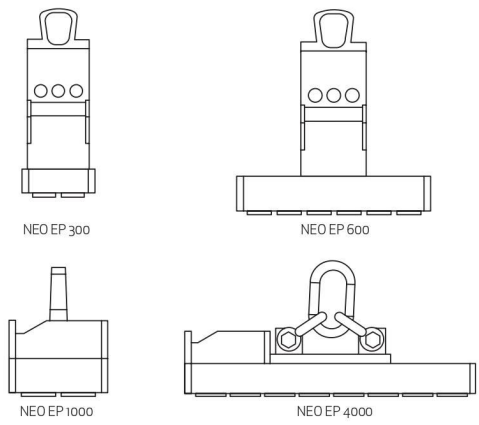
APPLICATION	TECHNOLOGY	LIFTING CAPACITY	ACTIVE MAGNETIC AREA	SAFETY FACTOR
Lifting	Electro-permanent	up to 4000 kg	from 116 x 116 mm	3:1

Other important parameters:

Temperature:	max. 80°C
Working cycle:	100%

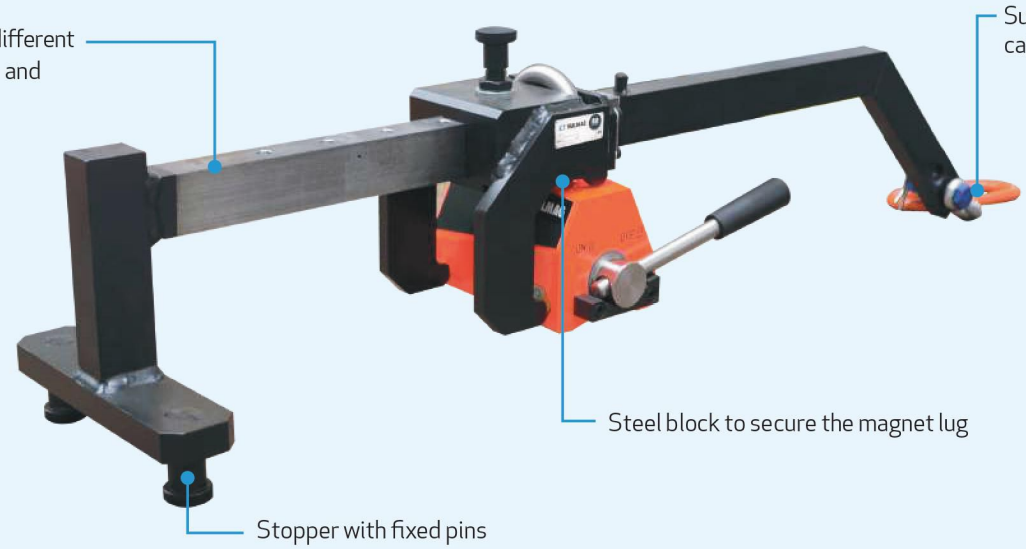
Use:

NEOSQ300:	handling smaller parts from mass production, blanks, forged pieces, or cast stock
NEOSQ600:	handling longer parts and profiles
NEOSQ1000:	handling thicker sheets, burnt pieces, tools, and cuts
NEOSQ4000:	handling large parts during plasma cutting



Catalog number	W (mm)	L (mm)	H (mm)	Number of poles	Pole size (mm)	Magnetic surface (W x L) (mm)	Weight (kg)
NEOSQ300	164	164	420	4	50 x 50	116 x 116	23
NEOSQ600	95	420	450	6	50 x 50	52 x 372	31
NEOSQ1000	228	228	295	4	80 x 80	172 x 172	39
NEOSQ4000	228	783	295	16	80 x 80	172 x 724	132

Neo HV



When to choose a Neo HV lifting arm:

The Neo HV is a lifting arm which, in combination with a lifting magnet, you can use to easily turn a workpiece from horizontal to vertical and vice versa. You will appreciate this when handling sheets, metal plates and round materials for lathes and horizontal machining centres.

APPLICATION	TECHNOLOGY	LIFTING CAPACITY	LOAD DIMENSION	TEMPERATURE
Lifting	Permanent	up to 1 000 kg	up to 1 000 x 2 000 mm	up to 80 °C

Other important parameters:

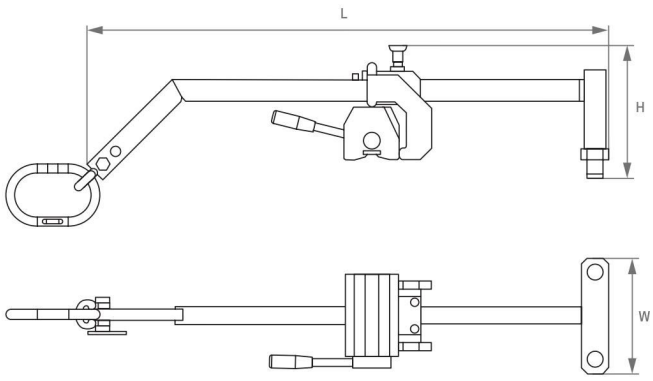
Safety factor: 3:1

Additional information:

+ lifting magnet is not included
+ the Neo 250, 500, and 1000 belt magnets are designed for Neo HV models

Use:

+ for manoeuvring workpieces to horizontal machining centres and lathes



Catalog number	W (mm)	L (mm)	H (mm)	Lifting capacity (kg)	Workpiece width (mm)	Weight (kg)
LARM250	210	958	244	250	300 - 800	16
LARM500	210	1158	244	500	300 - 1000	20
LARM1000	210	1211	297	1000	300 - 1000	33

MC hand magnets

When to choose an MC hand magnet for manual load handling:

Hand magnets are used solely for quick manual handling of sheets, burnt pieces, smaller steel blocks and other smooth steel items. MC hand magnets are also suitable for lifting individual sheets from a stack. The magnet is not intended for use on a crane.

APPLICATION	TECHNOLOGY	LIFTING CAPACITY	SHEAR FORCE	WEIGHT
Lifting	Permanent	up to 90 kg	max. 50 kg	from 1.4 kg

Important parameters:

Application: Manual handling

Use:

+ easy manual lifting of loads which are heavy and difficult to grasp
+ manual handling of loads such as sheet metal, burnt pieces and other steel objects
+ suitable for operations such as scanning single sheets from a bundle

Catalog number	W (mm)	L (mm)	H (mm)	Max. capacity (kg)	Weight (kg)
MC-2	150	160	27	60	1,4
MC-2S	160	230	24	90	2,9

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