



INSTRUCTIVE / PERMANENT MAGNETIC LIFTER



USAGE AND FEATURES

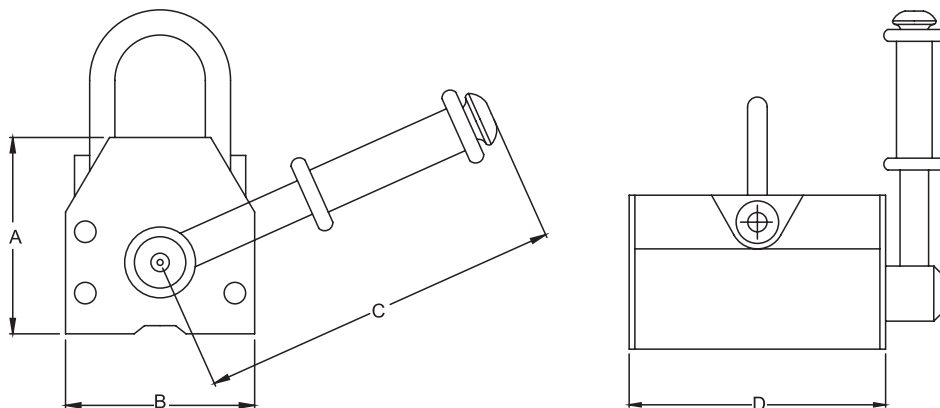
The powerful magnetic lifting magnet GORILA provides constant magnetic attraction and does not require batteries or connection to an electrical power source.

It easily handles various ferrous materials such as flat, cylindrical, round, and complex geometry shapes, significantly reducing operation time.

No special accessory installation is required; it is simple to operate, just remove any oily residues from the surface for operation. To maintain the stability of the suspended element and prevent detachments, it is crucial to install the GORILA lifter as close to the center of gravity as possible. To keep large pieces or structures stable and avoid lifting at an angle, it is recommended to use GORILA yokes.

STRUCTURE AND PARAMETERS

In its manufacturing, a high-performance permanent magnet has been used, with high absorption power and a special design of the magnetic circuit, resulting in negligible residual magnetism. It has fixed anchors that allow the handle to be operated with one hand using the safety anchor button, making it safer and more convenient. The center of the contact surface of the lifting magnet has a V-shaped design to allow its use not only on flat surfaces but also on circular or round surfaces. It is a device that maintains magnetism constantly without electricity, making it safe and a great asset in the workplace.



SPECIFICATIONS

Meets or exceeds standards **ASME B30.20 | EN 13155**

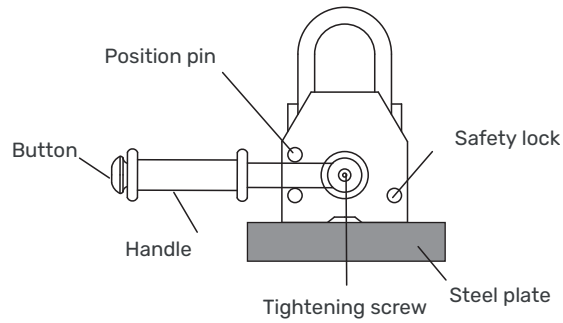
Design factor 3:1

Lift Capacity						Max. Pull Test Force kg	Max. Operating Temperature °C	Dimensions* mm				Weight* kg
Flat Surface			Cylindrical Surface					A	B	C	D	
Total Lift kg	Min. Thickness mm	Max. Length mm	Max. Lift Diameter mm	Total Lift kg	Max. Length mm							
200	20	1750	75	90	1250	750	<80	72	81	146	145	5,4
600	20	2250	125	270	2000	2.100	<80	116	116	218	225	20
1.000	40	2500	150	450	2500	3.500	<80	145	145	272	295	40
2.000	55	3000	200	900	3000	6.000	<80	160	170	388	365	74

*Approximate dimensions and weights | Gorila Brand | Certified Product

INSTALLATION

Position the lifting magnet on top of the steel plate or sheet. Then, switch the lever from OFF to ON, ensuring that the position pin is locked as shown in the figure.

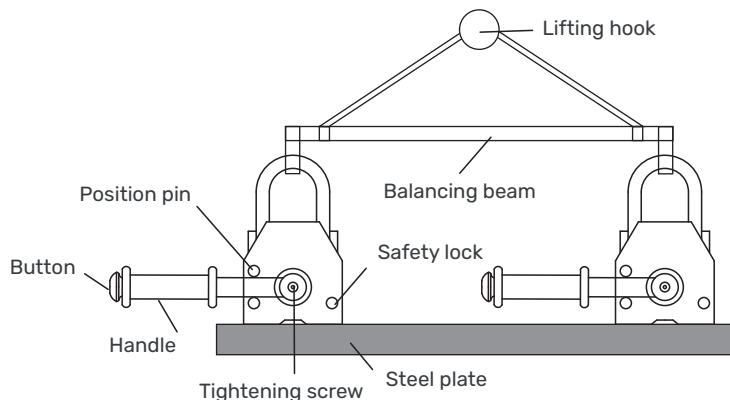


If using the lifting magnet to lift circular steel or bars, place it over the bar using the V-shaped surface of the equipment. The working load for a circular bar is between 30% and 40% of that for a steel plate or sheet. The diameter of the bar also influences the lifting load.

After the lifting operation, press the button and pull the handle to the OFF position to release the magnetic lifter from the load.

If the plate is very long, you may need two or more lifting magnets for the operation. The number of lifters is determined according to the thickness and length of the plate.

MULTIPLE USE OF LIFTING EQUIPMENT:



1. The ambient temperature should not exceed 80°C.
2. Do not subject it to vibration or impacts.
3. Do not expose it to environments with corrosive agents.
4. Do not use it without a load.
5. The lifting magnet must be used within its load capacity. It is strictly prohibited to overload the equipment.
6. It is prohibited to stand under the equipment while it is operating.
7. Do not move the steel plate while it is in the air.
8. Do not pull the handle if there are no plates under the equipment.
9. Ensure that chain connections, shafts, locks, etc., are reliable and securely closed. If damaged, they should be repaired before use.
10. Keep the handle button clean and smooth to operate. During handling and transportation of the equipment, prevent damage or breakage to avoid affecting its performance.
11. Its condition should be checked every two years as a safety guarantee.
12. The operation of the magnetic lifter should be carried out following the stipulations of the lifting apparatus standard.

