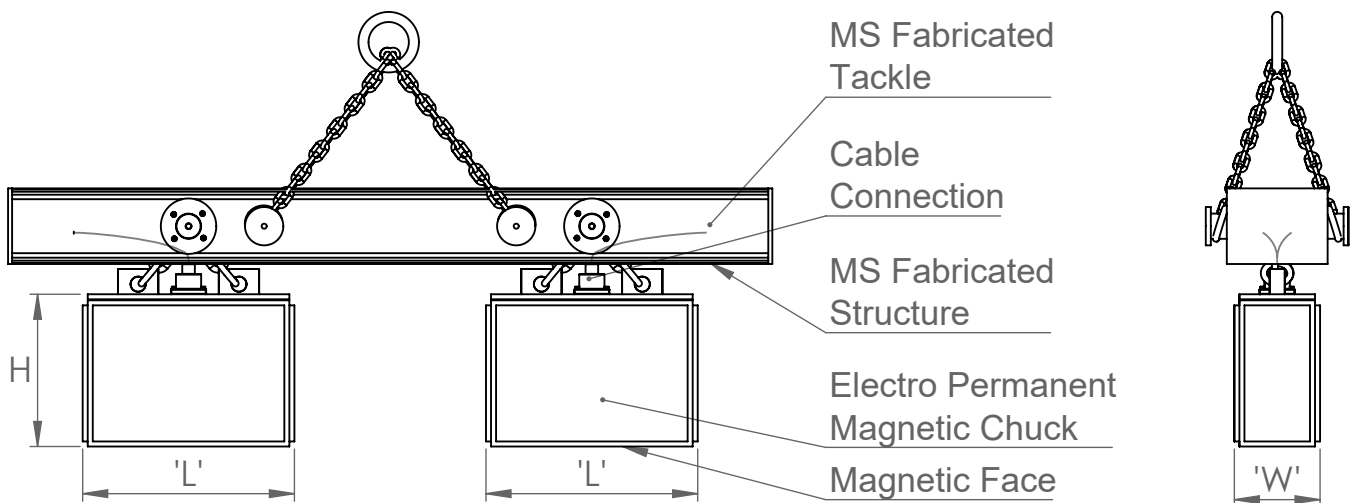


Electro Permanent Magnetic Lifter (EPM)

Application

Electro Permanent Magnetic Lifter is device, require for easily handling of material so that laborious & time consuming work can be avoid in addition to that those material not having any provision for engaging the crane hook or any similar arrangement Magnetic lifter is solution for it. Hence it increases efficiency and productivity.

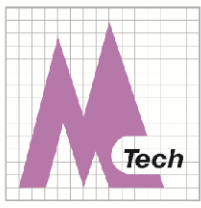


Characteristics

A special feature of this kind of lifter is its required External Power supply for energized and De-energized (ON -OFF) purpose only, during the operation continues power supply is not required absolutely.

Performance of Lifter

Consider 40% lifting force while lifting round job due to it line contact. For 100% utilization of recommended capacity, required close contact between magnetic face and lifting object.



Electro Permanent Magnetic Lifter (EPM)

Safety Factors

We provide three times factor of safety in it, which means, if lifter is recommended for 100 Kgs weight lifting capacity, it has been tested for 300 kgs lifting capacity, because practically magnetic face is not cover 100% with lifting object due to its unevenness, scaling, some coating on the job punching some character or number etc. these all factors are creating GAP between magnetic face and lifting object, hence factor of safety should be considered.

Operation Sequence (Follow-up the steps)

- 1) Installed Control Panel on crane or nearby location.
- 2) Provide external A.C. Supply to the control panel.
- 3) Connect Control panel with EPM Lifter & Operating Pendant.
- 4) Hang the lifter with M.S. Fabricated tackle (if use)
- 5) Hang this total assembly with crane hook.
- 6) Align the lifter on lifting object and confirm whether the lifters are aligned properly or not (it should be properly align)
- 7) Push "RESET" button and then Magnet "ON" button on operating pendant for energizing of lifter.
- 8) Lift it for 6" height (approximate) and confirm whether it is properly lifted or not.
- 9) Carry it to desired place with minimum height from ground level (1 feet height approximate).
- 10) After reaching to desire place, it kept properly and push "RESET" button and then Magnet "OFF" button on operating pendant for de-energizing of lifter.

Scope of supply

A) EPM Lifter B) Control Panel (Rectifier unit) C) Operating Pendant.

Accessories

A) MS Fabricated Tackle B) Sling, Chains, 'D' shackle, links C) Flexible Cable, D) Cable Carriers, D) Cable Drum E) Wire Rope for Cable carriers F) Clamps for wire Rope G) Electrical spares which is consist in Control panel.

Electro Permanent Magnetic Lifter (EPM)

Precautions

- a) Lifter used for those application which it made.
- b) Do not lift weight beyond recommended lifting capacity.
- c) Assure contact area and balance while lifting.
- e) Do not try to lift very HOT jobs.
- f) Magnetic faces should keep clean and dent free.
- g) When lifter is not in use for long period apply grease OR oil on magnetic faces it avoid to rusting of it.

Available Sizes

Code No.	Size (LxWxH)	Lifting Capacity	Self Wt. (Approx.)
013-01-01	350 x 100 x 110 mm	300 Kgs	30 Kgs
013-01-02	405 x 230 x 80 mm	600 Kgs	60 Kgs
012-01-03	465 x 175 x 220 mm	1000 Kgs	150 Kgs

Applications

Heavy Bar Handling



Heavy Bar Handling

