

# Grab Profit with ET-GRAB<sup>®</sup>

## Electro-Hydraulic Grab



**ELECTROTHERM**

ETG-02

## ET-Electro-Hydraulic Grab

ET-EH Grabs are ideal for handling larger volumes of scrap. The design of the grab allows a very high gripping force, due to vertical and large cylinders and the geometry of the claws. Specially designed ET-EH Grabs can be mounted on cranes, wheeled loaders and tracked excavators.

The grab's innovative design allows the equipment to incorporate a very robust mechanism powered by in-built hydraulic system for grabbing the scrap. These grabs have independent claws, each one set in motion by double acting cylinder. This allows the equipment to have a good grip on loose material & non-symmetrical objects.

The structural parts of ET-EH Grab are made of high tensile strength steel, while the parts in contact with the collected scrap are made of wear resistant special steel. Hardened steel pins and special bushings are used at all the junction points of grab.

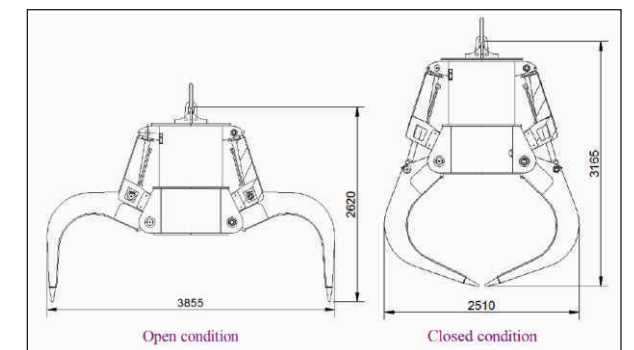
It is suitable to work in difficult working conditions as strong protection covers are given to protect cylinders, hydraulic circuitry and filter assembly.



### Salient Features of ET-EH Grab

Following are the benefits of grab over electromagnet:

- Grab can collect scrap almost 3 to 4 times compared to electromagnet of equivalent rating.
- Much less power consumption as compared to electromagnet of equivalent capacity.
- Reduces operations of EOT cranes.
- No risk of insulation failure.
- Handling scrap with electromagnet on furnace platform reduces the life of platform as magnetic flux of electromagnet pulls up the reinforced steel rods in side concrete slab. This does not happen with ET-EH Grab.
- Simple electrical reversible DOL starter circuit. No need of isolation transformer, diodes, electronic components. Thus, no failures happen which are common in electromagnets.
- Lesser dead weight compared to equivalent capacity of electromagnet. Hence, crane of lower capacity is required.
- Grab does not drop scrap in case of power failure, which is a danger with electromagnet.
- Use of single Cable Reeling Drum (CRD) to carry 3-phase cable, all controls mounted on crane and cabin.



Dimensions of ET-EH Grab (in millimeters)

#### Technical Specifications Model ET-EHG-256-W

Weight	4000 Kg
Capacity	2.5 m <sup>3</sup>
Number of Claws	6
Colour	Blue RAL 5010
<b>Dimensions in open condition</b>	
Diameter	3855 mm
Height	2620 mm
<b>Dimensions in closed condition</b>	
Diameter	2510 mm
Height	3165 mm
Power	37 kW / 415 V, 3 Phase

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