

# LOAD-LIFTING MAGNET PLATES

## TMP

Fuchs strong, high-performance load-lifting electro-magnetic systems are designed for use in scrap yards and storage facilities

A high handling capacity is guaranteed by the strong magnetic field that extends diametrically across the entire magnetic disc. Control is effected by means of counter-excitation achieved by temporarily opposing poles, ensuring that even the smallest ferrous parts are dropped.

- Magnetic discs made of special dynamo stainless steel castings and non-magnetisable steel base plate
- Hollow core facilitating diffusion of the operating temperature and providing safe drop ball operation



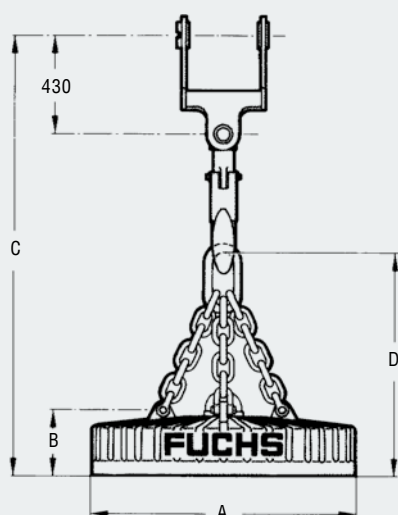
- Outer parts of the magnet made of special alloy casting(s)
- Designed for use with DC generators and AC generators equipped with a rectifier

## MAGNET DEVICES TMP

| Model    | Metrics           |                         |  |                              | Operating data      |         |                   |                            |
|----------|-------------------|-------------------------|--|------------------------------|---------------------|---------|-------------------|----------------------------|
|          | Magnet diameter A | Height to upper mount B | Height with chain and suspension mechanism C | Height to chain suspension D | Strength of current | Output  | Operating voltage | DC generator (recommended) |
| TMP 950  | 950 mm            | 300 mm                  | 1,815 mm                                     | 1,023 mm                     | 16.4 A              | 3.6 kW  | 220 V             | 9 / 11 kW                  |
| TMP 1150 | 1,150 mm          | 285 mm                  | 1,932 mm                                     | 1,140 mm                     | 24.1 A              | 5.3 kW  | 220 V             | 11 kW                      |
| TMP 1250 | 1,250 mm          | 320 mm                  | 2,297 mm                                     | 1,505 mm                     | 31.6 A              | 6.95 kW | 220 V             | 13 kW                      |
| TMP 1500 | 1500 mm           |                         |  |                              | 39,5 A              | 10,0 kW | 220 V             | 20 kW                      |

| Model    | Weights                      | ~ Lifting force up to the permissible payload |                        |                            |                    |                        |                     |                      |
|----------|------------------------------|---|------------------------|----------------------------|--------------------|------------------------|---------------------|----------------------|
|          | Magnet with chain suspension | Scrap type: single slabs                      | Scrap type: drop balls | Scrap type: punching slugs | Scrap type: ingots | Scrap type: scrap iron | Core scrap: type 24 | Steel chips: type 24 |
| TMP 950  | 800 kg                       | 100 Nm  | 30 Nm                  | 6.0 Nm                     | 4.6 Nm             | 4.0 Nm                 | 3.6 Nm              | 1.9 Nm               |
| TMP 1150 | 1,104 kg                     | 120 Nm  | 40 Nm                  | 7.5 Nm                     | 6.4 Nm             | 5.2 Nm                 | 4.8 Nm              | 2.4 Nm               |
| TMP 1250 | 1,493 kg                     | 140 Nm  | 50 Nm                  | 10.0 Nm                    | 8.1 Nm             | 6.3 Nm                 | 5.2 Nm              | 3.0 Nm               |
| TMP 1500 |                              | 196 Nm  | 70 Nm                  |                            | 11.0 Nm            | 9.5 Nm                 | 8.5 Nm              | 4.2 Nm               |

Magnet with chain suspension



In magnetic suspensions equipped with quick-change system, the total weight increases by 40 kg. The attachment of the various magnets to the machines is dependent upon the size of the generator and is applicable only to Fuchs magnets.