

## Serie pesada HMA-S

Imán de levantamiento circular de alta potencia en modelo adicionalmente reforzado, tipo HMA-S para manejo de chatarra y operación de bola de demolición.

- **Modelo pesado** con caja de acero fundido maciza acanalada
- El diseño sobredimensionado de los polos exteriores notablemente **reduce el desgaste**
- Bobina de imán de **fleje de aluminio completamente anodizado**
- **Resistencia enorme a altas temperaturas, excelentes capacidades de carga y expectativa de vida elevada**
- Encapsulamiento de la bobina de imán en caucho de **silicona flexible y termoresistente**, resultando en una **protección muy buena** y una **fuerza de aislamiento excelente**
- **Protección de la bobina de imán** mediante una placa base maciza y reforzada de acero duro al manganeso no magnético de alta calidad (opcional)
- **Endurecimiento de las superficies del polo de imán** para minimizar el desgaste en el manejo áspero de chatarra. La dureza Brinell se aumenta de unos 150-160 HB (GS45) a unos 600 HB, resultando en una expectativa de vida notablemente elevada (opcional)



Imán de levantamiento circular de alta potencia HMA-S 14

### Specification sheet

Circular Lifting Magnet, High-Performance

Type HMA-S for scrap handling and drop ball application.

- magnet housing made of high-quality ribbed single piece casted housing
- oversized outer pole to reduce wear of magnet
- magnet coil being manufactured by state of the art aluminium strip
- enormous temperature stability, best lifting capacity and high lifetime expectancy
- magnet coil will be installed into magnet by making use of flexible and shockabsorbing high-quality silicone compound, ensuring best protection and isolation of coil
- magnet coil being protected by massive unmagnetic manganese bottom plate (optional)
- magnet poles welded on hardface to reduce wear of poles in rough scrap handling application. Brinell hardness of poles will be increased from about 150-160 HB (GS45) to about 600 HB, resulting in increased lifetime expectancy (optional)

### Dimension

Type	A in mm	B in mm	C in mm
HMA-S 14	1.400	520	1.700* / 2000**
HMA-S 15	1.550	590	1.750* / 2050**

\* in relation to a chain link of 26 mm thickness

\*\* in relation to a chain link of 22 mm thickness

### Performance data

Type	Dead weight (kg)	Output (kW)	Duty cycle
HMA-S 14	3.600***	15	75% / 24h
HMA-S 15	5.000***	20	75% / 24h

\*\*\* standard configuration

### Lifting capacity<sup>2</sup>

Type	Pull off strenght (daN) <sup>1</sup>	Slab lifting capacity (kg) <sup>1</sup>	Pig iron (kg)	steel turnings (kg)	Light scrap (kg)	heavy scrap (kg)
HMA-S 14	60.000	30.000	1.900	700	1.300	1.600
HMA-S 15	80.000	40.000	2.600	950	1.800	2.200

### Drop ball application

HMA-S 14	suitable up to 14.000 kg
HMA-S 15	suitable up to 20.000 kg

### Notes concerning load bearing table:

<sup>1</sup> Theoretical values according to DIN-VDE 0580 related to a single level and a solid slab. With lifting of solid parts, the load bearing capacity of the suspensions / chain suspensions must be considered!

<sup>2</sup> For guide values for the various bulk materials, mean values measured according to VDE 0580 may be exceeded or fallen below, as the quantity accommodated per magnet hub is strongly influenced by the form, alloying, composition and position of the material and also by the working method of the operator. The normal operating voltage is 220 V direct voltage. The specified power consumption of the magnet is valid for cold state and is intended for measuring of electrical accessories. In continuous operation, power consumption becomes less due to heating of the magnet coil. The reliable, relative duty cycle consists of 80% duty cycle / 10 minutes. Magnets for more demanding conditions, e.g. for hot material and drop ball operation on request.

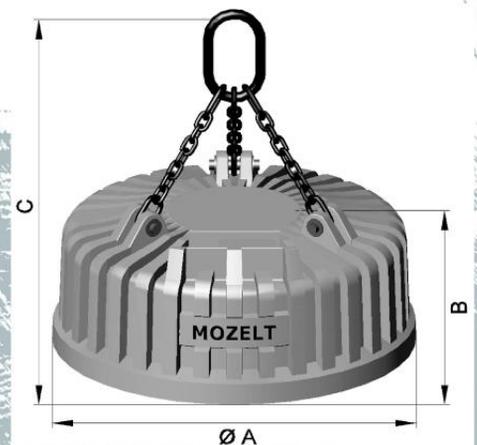


Fig.1 | Type HMA-S (3D view)