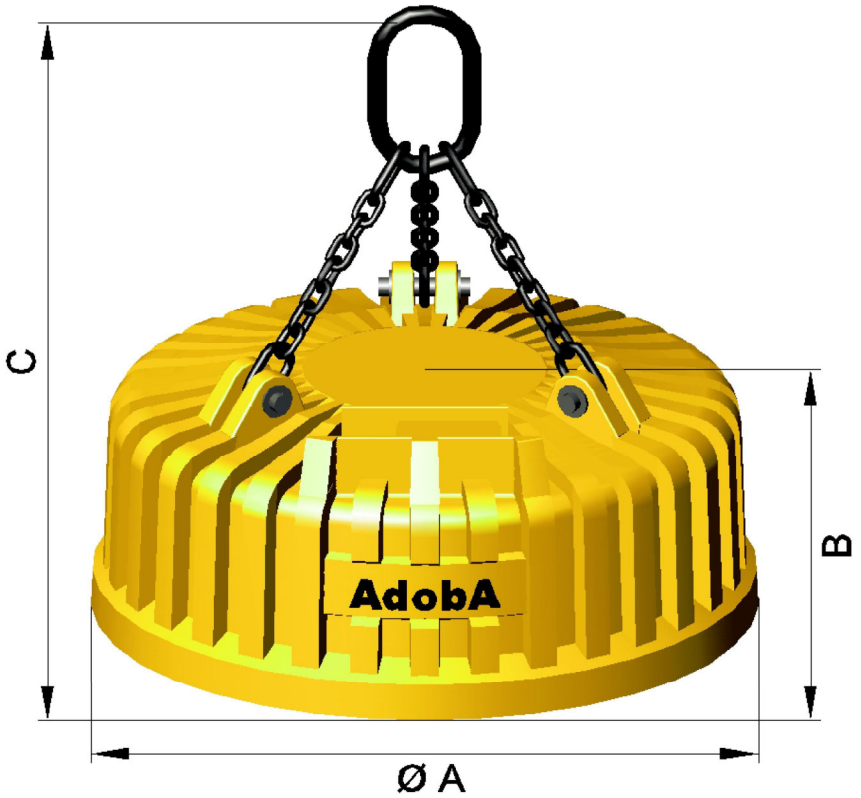

Heavy Duty Circular Magnet
Type AHR

for handling of scrap and drop ball application

The circular scrap lifting magnet series AHR has been designed for extra heavy duty lifting application, where highest stress will be applied onto lifting magnet, such as drop ball application, handling of pig iron and slag processing onto hydraulic & rope excavators and overhead travel cranes. Magnets suitable for charging of scrap buckets in steel mills or foundries but as well for (un)loading of trucks, railcars or vessels.

Rugged design with ribbed single-piece casted housing of high permeability steel provides best stability and make this type of magnet ideally suited for roughest application. Oversized outer poles are reducing wear of magnet pole surface, for that reason you will find diameter of magnets being bigger than standard. By optional hardfacing of magnet poles, wear resistance of magnet pole surface can be increased further more.

The ribs of housing are increasing surface of the magnet by about one third, therefore heat can be dissipated easily, resulting in lower operating temperature of magnets and thus minimum reduction in lifting capacity, to provide maximum performance even under 3-shift operation.

By standard magnets will be equipped with heavy type 3-leg chain suspension, attached onto massive double straps of magnet body, resulting in low wear and long-time average life expectancy.

Electrical connection via fix terminal box by standard, installed behind massive protective plate, heavy plug & socket connection upon request.

AdobA quality design with 75 % D.C., class “C” insulation, anodized aluminum strip coil and flexible silicone casting compound is obligatory.

TYPE	nominal power kW	dead weight kg	dimensions Ø A mm	dimensions B mm	dimensions C mm	slab lifting capacity* kg	pull-off strength* daN	drop ball appl. up to kg	lifting capacity** steel turnings kg	lifting capacity** light scrap kg	lifting capacity** heavy scrap kg	lifting capacity** pig iron kg
AHR 12,5	12	2.600	1.250	480	~ 1.300	25.000	50.000	10.000	~510	~950	~1.200	~1.400
AHR 14	15	3.600	1.400	520	~ 1.800	30.000	60.000	14.000	~700	~1.300	~1.600	~1.900
AHR 15,5	20	5.100	1.550	590	~ 2.000	40.000	80.000	20.000	~950	~1.800	~2.200	~2.600
AHR 18	27	7.000	1.800	600	~ 1.900	50.000	100.000	--	~1.250	~2.400	~2.950	~3.500
AHR 23	41	13.000	2.300	670	~ 2.200	85.000	170.000	--	~2.200	~4.200	~5.100	~6.000

* mentioned slab lifting capacity and pull-off strength is referring to optimum conditions in accordance to German standard DIN-VDE 0580 (diameter / 300); please consider max. lifting capacity of magnet suspension

** mentioned scrap lifting capacity is based on tests under optimum conditions in accordance to German standard DIN-VDE 0580; effective performance will vary with specific operating conditions

- nominal voltage of all magnets 220 VDC (440 VDC for AHR 23), customized voltage and/or customized power upon request

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AHR vers. 2020.09 • subject to change