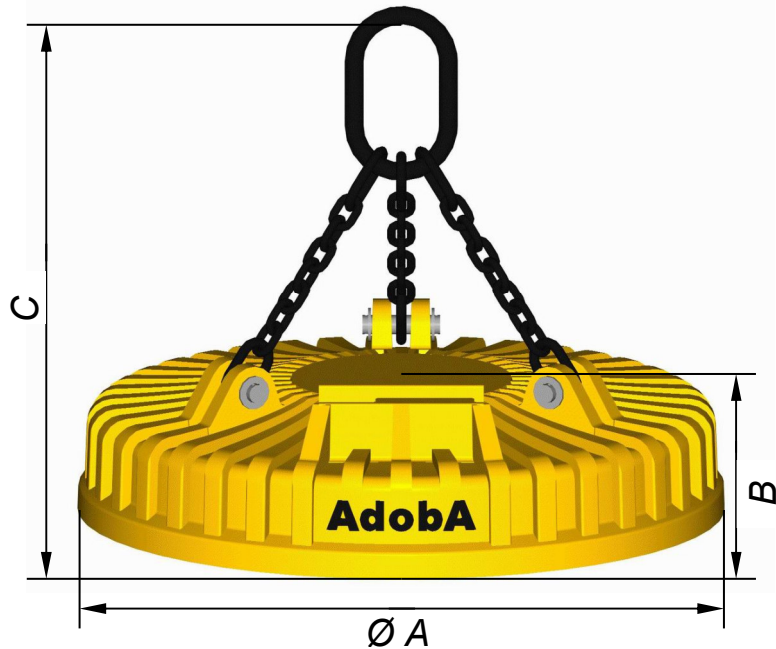


# Circular Magnet Type ADR

for handling of scrap



The circular scrap lifting magnet series ADR has been designed for high-demanding lifting application, such as handling of scrap onto excavators or overhead-/ and gantry cranes, 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 rough application. Oversized outer poles are reducing wear of magnet pole surface, for that reason you will find diameter of magnets being bigger than standard.

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 3-leg alloy chain, 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.

Please select suitable type of magnet from this list or send inquiry with description of your application, we will offer most suitable type of magnet from technical and economical point of view.

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			slab lifting capacity* kg	pull-off strength* daN	steel turnings kg	lifting capacity**		
			Ø A mm	B mm	C mm				light scrap kg	heavy scrap kg	pig iron kg
<b>ADR 8</b>	3,7	420	820	190	~ 1.100	6.000	12.000	~120	~220	~240	~300
<b>ADR 10</b>	5,7	680	1.020	210	~ 1.100	9.000	18.000	~190	~350	~390	~480
<b>ADR 11,5</b>	7,5	1.080	1.170	250	~ 1.150	13.000	26.000	~270	~500	~560	~700
<b>ADR 12,5</b>	9,0	1.400	1.270	270	~ 1.150	16.000	32.000	~340	~620	~700	~880
<b>ADR 13,5</b>	10,0	1.720	1.375	290	~ 1.150	19.000	38.000	~410	~740	~840	~1.070
<b>ADR 15</b>	12,5	2.300	1.530	310	~ 1.500	22.500	45.000	~520	~960	~1.100	~1.400
<b>ADR 17</b>	17	3.300	1.730	350	~ 1.500	30.000	60.000	~770	~1.400	~1.600	~2.000
<b>ADR 18,5</b>	21	4.600	1.890	385	~ 1.500	40.000	80.000	~1.050	~1.900	~2.150	~2.700
<b>ADR 20</b>	25	6.400	2.050	420	~ 1.700	50.000	100.000	~1.400	~2.500	~2.800	~3.600
<b>ADR 22</b>	36	10.000	2.250	550	~ 1.700	75.000	150.000	~2.100	~3.750	~4.200	~5.400

\* 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 (300 VDC for ADR 22), customized voltage and/or customized power upon request