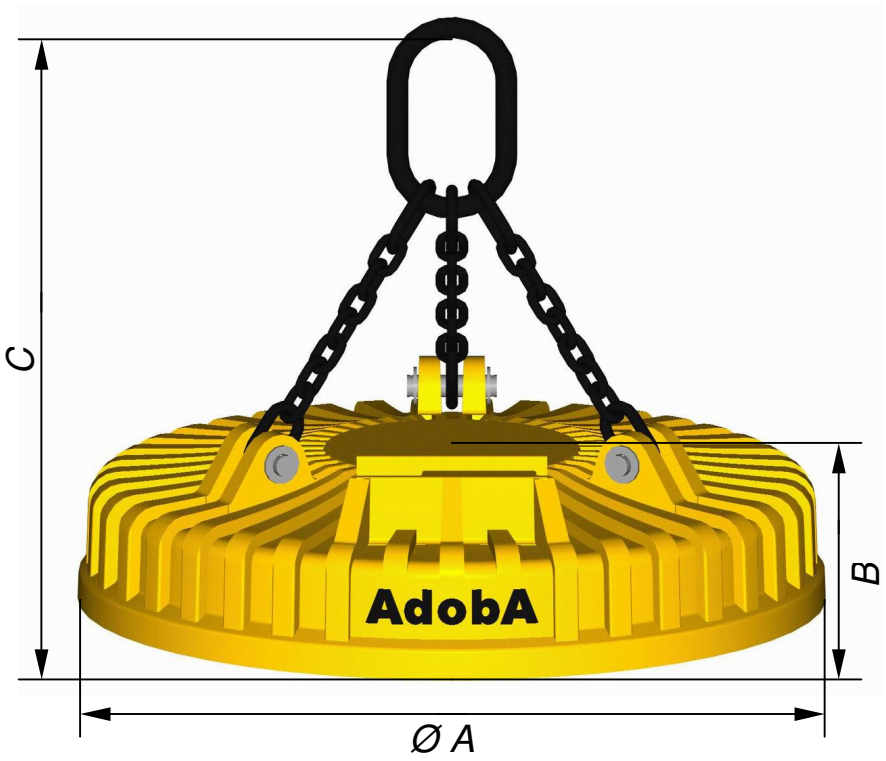
Circular Magnet Type ADR

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, 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 (lifting capacity 17 t for ADR 10 - ADR 15 / 21 t for ADR 17 + ADR 20), 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, 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	dimension Ø A mm	dimension B mm	dimension C mm	slab lifting capacity* kg	pull-off strength* daN	lifting capacity** steel turnings kg	lifting capacity** light scrap kg	lifting capacity** heavy scrap kg	lifting capacity** pig iron kg
ADR 10	5,5	680	1.020	210	~ 1.100	9.000	18.000	190	350	390	480
ADR 11,5	7,0	1.080	1.170	250	~ 1.150	13.000	26.000	270	500	560	700
ADR 12,5	9,0	1.400	1.270	270	~ 1.150	16.000	32.000	340	620	700	880
ADR 13,5	10,0	1.720	1.375	290	~ 1.150	18.000	36.000	410	740	840	1.070
ADR 15	12,5	2.300	1.530	310	~ 1.150	22.500	45.000	520	960	1.100	1.400
ADR 17	17,5	3.300	1.730	345	~ 1.400	30.000	60.000	770	1.400	1.600	2.000
ADR 20	25	6.100	2.050	420	~ 1.500	50.000	100.000	1.300	2.300	2.600	3.300

* mentioned slab lifting capacity and pull-off strength is referring to optimum conditions in accordance to German standard DIN-VDE 0580; 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, customized voltage and/or customized power upon request

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