



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	size Ø A inch	dead weight lbs	current (Amps cold) A	nominal power kW	dimensions		slab lifting capacity* lbs	pull-off strength* daN	lifting capacity**			
					B inch	C inch			steel turnings lbs	light scrap lbs	heavy scrap lbs	pig iron lbs
ADR 8	32"	930	17	3.7	7.5"	~ 43"	13,000	12,000	~270	~490	~530	~660
ADR 10	40"	1,500	26	5.7	8.3"	~ 43"	20,000	18,000	~420	~770	~860	~1,060
ADR 11,5	46"	2,400	32	7.5	10"	~ 45"	28,000	26,000	~600	~1,100	~1,240	~1,540
ADR 12,5	50"	3,100	41	9.0	10.7"	~ 45"	35,000	32,000	~750	~1,370	~1,550	~1,940
ADR 13,5	54"	3,800	46	10.0	11.4"	~ 45"	42,000	38,000	~900	~1,630	~1,850	~2,360
ADR 15	60"	5,100	57	12.5	12.2"	~ 59"	50,000	45,000	~1,150	~2,120	~2,430	~3,100
ADR 17	68"	7,300	77	17	13.8"	~ 59"	66,000	60,000	~1,700	~3,100	~3,530	~4,400
ADR 18,5	74"	10,150	95	21	15.2"	~ 59"	88,000	80,000	~2,310	~4,190	~4,740	~5,950
ADR 20	81"	14,100	114	25	16.5"	~ 67"	110,000	100,000	~3,090	~5,500	~6,170	~7,940
ADR 22	88"	22,000	120	36	21.5"	~ 67"	165,000	150,000	~4,630	~8,270	~9,260	~11,900

* 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