



Circular Magnet Type ADRS

for handling of scrap



The circular lifting magnet series ADRS has been designed for handling of scrap in different applications, such as charging of scrap buckets in steel mills or foundries but as well for (un)loading of trucks, railcars or vessels. Wear of magnet poles will be minimized by welding a layer of extremely hard welding rod upon complete pole surface which will considerably increase average live expectancy of magnet. Especially when being on duty in rough cleaning / sweeping application, where unprotected poles will abrade quickly, this wear protection will save money and downtime caused by repair of magnet otherwise. Electrical connection via fix terminal box by standard, installed behind massive protection plate, heavy plug & socket connection upon request.

This data sheet only shows small range of different sizes being manufactured by us, once having got description of your application, we will offer most suitable type of magnet from technical and economical point of view, tailored to your specific requirements.

AdobA quality design with 75 % D.C., class "C" insulation, anodized aluminum strip coil and 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
ADRS 10	4,8	750	1.000	200	~ 950	10.000	20.000	~200	~360	~400	~490
ADRS 11,5	5,5	1.050	1.150	210	~ 1.000	14.000	28.000	~260	~480	~550	~660
ADRS 12,5	8,8	1.300	1.250	220	~ 1.050	16.000	32.000	~300	~580	~650	~800
ADRS 13,5	10,5	1.700	1.350	245	~ 1.100	18.000	36.000	~380	~720	~800	~1.020
ADRS 15	12,5	2.400	1.500	270	~ 1.200	24.000	48.000	~520	~950	~1.080	~1.380
ADRS 17,5	17,0	3.700	1.750	290	~ 1.400	35.000	70.000	~820	~1.450	~1.700	~2.100
ADRS 20	20	5.600	2.000	340	~ 1.600	46.000	92.000	~1.200	~2.100	~2.500	~3.100
ADRS 22,5	28	8.250	2.250	390	~ 1.750	60.000	120.000	~1.750	~3.000	~3.650	~4.400
ADRS 25	36	11.000	2.500	420	~ 1.900	75.000	150.000	~2.300	~4.000	~4.800	~5.700

* 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 (except ADRS 25 – 300VDC), customized voltage and/or customized power upon request