

SPECIFICATIONS

With deep penetrating field to lift scrap and other diversified forms of ferrous materials.

ISC Lifting Magnets are highly effective for handling iron and steel in diversified forms. Ports, Steel Industries and Scrap yards use magnets extensively to lift scrap, ingots, rail, beam, plates, coils etc. ISC Lifting Magnets have always proved their worth by saving labour, increasing productivity and effectively shortening handling time.

The design and manufacture of each ISC Lifting Magnet is the result of continuous effort from the Singh Group of Industries. Starting as a scrap trading concern in 1940, this group has grown into a web of companies manufacturing engineering products for various industrial sectors. For over 40 years the Singh Group has used and studied magnets of diverse size, makes and types in their own steel plants and scrap yards. Result – the ISC Lifting Magnet – an extremely user-friendly product from the point operation, maintenance and repair along with protective measures to prevent breakdown.

General Purpose Magnets

Model	Diameter	Weight	Power		Duty %	Lifting Capacity				
			Cold KW	Hot KW		Solid	Heavy melting	Shredded	Turning	Cracker Ball
	mm	Kgs.				Kgs.				
	Inch	Lbs.				Lbs.	Kgs.	Lbs.	Kgs.	Lbs.
9 GC	900	1000	3.52	2.57	50%	6000	200	100	75	3000
9 GC	35	2200	3.52	2.57	50%	13200	440	220	165	6600
11GC	1150	1700	11.00	7.92	50%	10000	400	500	200	6000
11GC	45	3740	11.00	7.92	50%	22000	1100	880	440	13200
14GC	1400	3300	13.20	9.24	50%	16000	900	600	400	8000
14GC	55	7260	13.20	9.24	50%	35200	1980	1320	880	17600
16GC	1650	3800	18.70	13.20	50%	27000	1400	900	600	10000
16GC	65	8360	18.70	13.20	50%	59400	3080	1980	1320	22000

Steel Mill Duty Magnets

14 SM	1400	3600	13.20	9.24	50%	16000	700	500	300	8000
14SM	55	7920	13.20	9.24	50%	35200	1540	1100	660	17600
16SM	1650	5000	18.70	13.20	50%	30000	1200	850	500	10000
16SM	65	11000	18.70	13.20	50%	66000	2640	1870	1100	22000

Mini Steel Plant Magnets

14 MS	1400	2640	13.20	9.24	50%	16000	900	600	400	---
14MS	55	5808	13.20	9.24	50%	35200	1980	1320	880	---
16MS	1600	3860	18.70	13.20	50%	27000	1400	900	600	---
16MS	63	8492	18.70	13.20	50%	59400	3080	1980	1320	---

Mobile Crane Magnets

9MC	914	700	3.52	2.64	75%	7000	300	150	130	3000
9MC	36	1540	3.52	2.64	75%	15400	640	330	286	6600
11MC	1150	1300	5.50	4.18	75%	9000	400	250	200	5000
11MC	45.28	2860	5.50	4.18	75%	19800	880	550	440	11000
13MC	1300	2100	6.60	4.84	75%	10000	500	350	225	7000
13MC	51	4620	6.60	4.84	75%	22000	11000	770	495	15400

Stevedore Operation Magnets

18SD	1800	5000	22.00	15.40	75%	23000	1900	900	700	---
18SD	71	11000	22.00	15.40	75%	50600	4180	1980	1540	---
18SDOE	1800	5000	*22.00	15.40	75%	23000	2100	1000	850	---
18SDOE	71	11000	*22.00	15.40	75%	50600	4620	2200	1870	---
19SD	1900	5600	30.80	22.00	75%	32000	2200	1100	900	---
19SD	75	12320	30.80	22.00	75%	70400	4840	2420	1980	---
19SDOE	1900	5600	*30.80	22.00	75%	32000	2450	1200	1000	---
19SDOE	75	12320	*30.80	22.00	75%	70400	5390	2640	2200	---
20SD	2050	5900	32.20	26.40	75%	3800	2400	1400	1100	---
20SD	81	12980	35.20	26.40	75%	83600	5280	3080	2420	---
20SDOE	2050	5900	*35.20	26.40	75%	38000	2600	1800	1300	---
20SDOE	81	12980	*35.20	26.40	75%	83600	5720	3960	2860	---

The Lifting capacity depends upon many factors such as class and section of materials being handled, method of stacking used etc. These factors are beyond the control of the magnet manufacturer, however the figure given above serve as a guide to the average which may be expected under general conditions.



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