

TABLE I

Lifting Magnet Capacities in Pounds

Class of Material	Magnet sizes							
	18 in.	24 in.	29 in.	39 in.	45 in.	55 in.	65 in.	65 in. deep
Skull cracker balls with standard magnets	2,100	4,000	8,000	12,000	16,000	20,000	30,000	38,000
Skull cracker balls with special pole shoe	3,000	6,000	10,000	18,000	24,000	30,000	40,000	45,000
Slabs	3,300	6,500	13,000	20,000	38,000	50,000	65,000	70,000
Machine cast pig from stock pile	150	275	550	900	1,580	2,500	3,500	4,400
Sand cast pig from stock pile	130	250	430	800	1,420	2,300	3,000	4,000
Machine cast pig from railroad cars	130	250	430	800	1,420	2,300	3,000	4,000
Sand cast pig from rail- road cars	120	225	390	700	1,300	2,200	2,850	3,800
Heavy melting scrap	150	275	550	900	1,580	2,500	3,500	4,400
Plate Scrap	130	250	500	700	1,100	1,500	2,300	2,800
Broken Scrap	130	200	350	600	1,000	1,400	1,800	2,300
Cast iron bearings	110	200	350	600	1,100	1,550	2,400	2,700
Steel turnings	50	100	175	300	450	750	1,200	1,700

Scrap & Charging Box Capacities

Size of scrap box in cu. ft.	Capacity of scrap box in pounds for various types of scrap								
	Short, heavy iron ends	Billet ends	Foundry gates & risers	Railroad scrap	Heavy railroad scrap	Crushed turnings	Comp pressed bundles	Light railroad scrap	Automobile scrap
20								900	340
25	6,125	4,625	3,375	3,300	2,190	1,400	1,250	1,125	1,050
30	7,350	5,550	4,050	3,960	2,625	1,680	1,500	1,350	1,260
40	9,800	7,400	5,400	5,280	3,500	2,240	2,000	1,800	1,680
50	12,250	9,250	6,750	6,600	4,375	2,800	2,500	2,250	2,100
60	14,700	11,100	8,100	7,900	5,250	3,360	3,000	2,700	2,520