



Light Scrap Torus - Magnet

MAGNET TYPE LST-		1800/1800	2000/2000	2100/2100	2200/2200	2300/2300	2400/2400	2500/2500	2000/3000	2200/3200	2400/3600
Power consumption	[W]	11'800	13'800	17'900	20'820	19'020	26'030	20'000	17'800	21'420	28'000
Voltage	[V]	220/220	220/220	220/220	220/220	220/220	220/220	100/100	90/90	110/110	140/140
Current	[A]	26.8/26.8	34.4/31.4	40.6/40.6	47.3/47.3	43.2/43.2	59.8/59.8	100/100	100/100	100/100	100/100
Duty Cycle ED	[%]	60	60	60	60	60	60	75	75	75	75
Dead weight	[kg]	4'750	5'800	6'910	8'470	9'100	10'150	14'160	10'000	15'190	18'610
Drum Cable	[mm ²]	5x10	5x10	5x10	5x10	5x10	2 Stk 5x10	2 Stk 5x10	2 Stk 5x10	2 Stk 5x10	2 Stk 5x10
Electrics	type	redundant	redundant	redundant	redundant	redundant	redundant	redundant	redundant	redundant	redundant
DIMENSIONS [mm]											
Width body	b [mm]	1'800	2'000	2'100	2'200	2'300	2'400	2'500	2'000/3'000	2'200/3'200	2'400/3'600
Width over all	b1 [mm]	1'880	2'080	2'180	2'280	2'380	2'480	2'580	2'080/3'080	3'280/2'280	3'680/2'480
Diameter	d [mm]	2'184	2'429	2'560	2'684	2'810	2'922	3'050	3'110	3'510	3'925
Height hook	f ~ [mm]	1'830	1'830	1'830	2'150	2'150	2'150	2'150	2'200	2'200	2'200
Height magnet	h [mm]	360	370	380	400	400	410	530	450	530	530
Suspension ring Ø	e [mm]	60	60	60	60	70	70	70	70	70	70
Suspension eye width	c [mm]	200	200	200	200	250	250	250	250	250	250
Tear-off force	[kg]	85'200	96'500	120'900	147'200	152'300	160'000	190'500	144'400	206'800	228'800
LOAD CAPACITY [kg]											
Scrap density 2.8t/m ³	HBI, DRI 2)	3'110	4'000	4'560	5'520	6'190	7'060	8'290	5'600	9'070	11'560
Scrap density 1.5t/m ³	E6	2'000	2'570	2'930	3'550	3'980	4'540	5'330	3'600	5'830	7'430
Scrap density 1.0t/m ³	E5, E40	1'440	1'860	2'120	2'560	2'870	3'280	3'850	2'600	4'210	5'370
Scrap density 0.6t/m ³	E1, E2, E3, E8	1'000	1'290	1'470	1'770	1'990	2'270	2'660	1'800	2'920	3'720

1) The payloads mentioned below for the various types of scrap are heavily dependent on the shape, mix, the alloy used, and the way the scrap is stored, as well as on the way the crane driver handles the magnet

2) According to the European Steel Scrap Specification