

 WALKER**WALKER HAGOU  
MAGNETICS**

# Scrapmaster

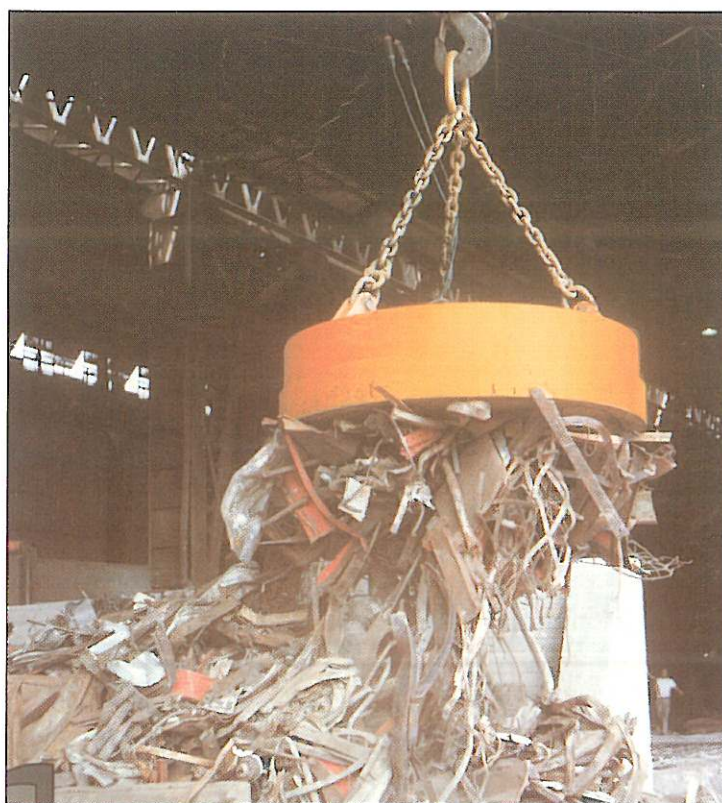
## Lifting magnets for scrap and mill

The Scrapmaster series of circular lifting magnets is especially suitable to be employed for heavy work in steel-mills, foundries, scrap yards, furnace loading (WH and W series) and for cleaning operations in stores, foundries, scrap yards (WL and WS series). Cases are constructed from high-permeability rolled steel, deep-welded and treated for stress relief. The coil is made of aluminium or electrolytic copper tape. Class H insulation throughout the magnet ensures extended life. The insulating material is completely impregnated with highly insulating epoxy-bituminous resin. The special bottom plate is non-magnetic wear-resistant manganese steel. The lifting magnet is supplied with three-leg steel chains, class 80, with central ring (safety ratio 5 : 1). For handling high temperature (up to 600 °C) materials a special series 'red range' magnets is available.

Walker Hagou Magnetics can also provide the power supply and control equipment for e.g. bridge cranes or generator sets for use on e.g. mobile cranes.

### Features

- Maximum slag lifting capacity
- Watertight, all-welded construction
- Alloy steel chains for greater life and durability
- Heavy manganese steel bottom plate
- Class H insulation utilised for layer-to-layer, turn-to-turn, coil-to-case insulation



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# Scrapmaster lifting magnets

Type	Absorbed power at 20 °C kW	Nominal voltage Vdc	Weight kg	Dimensions			Break away force (hot)* with air gap Ø 300 kg	Lifting capacity (hot)**		Average capacity (hot)***		
				Ø mm	h mm	hl mm		Slabs or blocks kg	Drop ball kg	Scraps		
										Cast iron pigs kg	3A kg	24 kg



## Ultra heavy series WH

WH 100	6	220	1.250	1.050	350	1.220	24.000	12.000	5.500	650	600	540	250
WH 125	10	220	1.900	1.250	380	1.410	38.000	19.000	8.000	900	800	700	370
WH 140	12	220	2.500	1.450	400	1.570	48.000	24.000	10.000	1.250	1.050	950	500
WH 150	16	220	3.400	1.540	440	1.660	60.000	30.000	12.000	1.700	1.450	1.350	620
WH 165	20	220	5.200	1.700	520	1.835	76.000	38.000	16.000	2.370	2.050	1.900	900
WH 180	25	220	6.100	1.860	555	1.880	92.000	46.000	21.500	3.030	2.650	2.400	1.130
WH 200	30	220	9.000	2.000	675	2.090	112.000	56.000	31.000	3.500	3.200	3.000	1.350
WH 165S	25	220	6.000	1.700	650	2.000	86.000	43.000	17.000	2.400	2.100	1.900	1.000
WH 180S	28	220	7.000	1.860	650	2.100	104.000	52.000	23.800	3.200	2.900	2.700	1.200
WH 210	32	220	10.500	2.100	800	2.300	124.000	62.000	33.000	4.050	3.850	3.430	1.650
WH 220	35	220	12.000	2.200	850	2.350	148.000	74.000	40.000	4.400	4.150	3.600	1.700

## Heavy series W

W 50	1	220	280	550	310	720	8.000	4.000	850	105	85	75	40
W 60	3	220	400	660	310	720	9.000	4.500	1.780	190	170	150	75
W 70	4	220	500	750	310	720	10.500	5.250	2.240	260	250	220	115
W 80	4	220	600	870	310	1.045	14.000	7.000	3.150	340	310	280	140
W 100	5	220	1.000	1.040	330	1.045	18.500	9.250	4.900	485	400	350	170
W 110	7	220	1.440	1.150	395	1.320	24.000	12.000	7.200	650	550	490	250
W 125	9	220	1.750	1.290	360	1.410	28.000	14.000	8.200	850	800	700	350
W 140	10	220	2.300	1.450	375	1.480	34.000	17.000	9.500	1.100	1.000	900	480
W 150	13	220	2.950	1.550	390	1.630	42.000	21.000	10.700	1.450	1.300	1.200	600
W 160	16	220	3.850	1.670	420	1.650	51.500	25.750	12.500	1.650	1.500	1.400	700
W 180	20	220	4.350	1.840	450	1.880	70.000	35.000	15.400	2.150	2.000	1.800	900

## Light series WL

WL 60	2	220	300	660	285	700	6.400	3.200	1.400	110	100	90	50
WL 70	3	220	480	770	310	700	8.600	4.300	1.700	190	170	150	70
WL 90	5	220	780	940	325	1.000	14.000	7.000	3.200	300	270	250	130
WL 100	6	220	850	1.050	300	1.000	16.000	8.000	3.700	350	320	290	150
WL 110	7	220	1.150	1.150	380	1.000	18.000	9.000	4.700	450	420	400	200
WL 125	9	220	1.530	1.250	360	1.000	22.000	11.000	6.200	600	550	500	260
WL 140	10	220	1.900	1.400	345	1.000	26.000	13.000	7.100	850	780	730	360
WL 150	11	220	2.500	1.500	350	1.000	32.000	16.000	8.700	1.000	920	880	430
WL 160	15	220	3.300	1.650	365	1.300	44.000	22.000	10.200	1.330	1.220	1.150	580
WL 190	20	220	4.200	1.900	480	1.300	71.000	35.500	14.200	2.150	1.980	1.830	950
WL 220	34	220	6.000	2.200	530	1.330	90.000	45.000	20.000	3.000	2.700	2.500	1.200

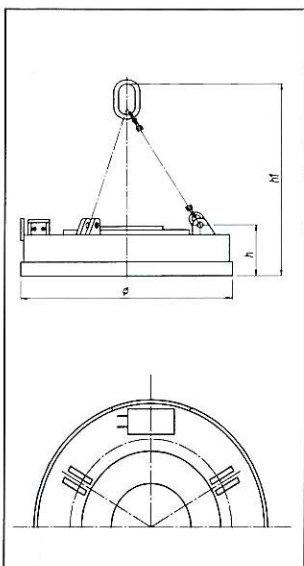
## Ultra light series WS

WS 80	4	220	480	850	280	975	8.200	4.100	1.700	200	170	160	80
WS 90	5	220	650	950	280	975	10.500	5.250	2.300	230	200	190	100
WS 100	6	220	780	1.050	280	975	11.500	5.750	2.600	280	255	240	120
WS 110	7	220	890	1.130	280	975	13.000	6.500	3.000	320	290	280	140
WS 125	9	220	1.100	1.250	305	1.000	15.000	7.500	3.500	410	370	360	190
WS 140	10	220	1.400	1.450	285	1.000	18.000	9.000	4.200	580	530	510	240
WS 160	15	220	1.850	1.660	290	1.000	21.000	10.500	5.000	640	580	550	270

\*) According to VDE 0580 par. 36 standard

\*\*\*) After 5 hours operation 50% duty cycle, at 20 °C, according to VDE 0580 par. 36 standard

\*\*\*\*) According to VDE 0580 par. 44 2-6 standard



## The Walker Europe organisation

### Walker Hagou Magnetics B.V.

Center of excellence for lifting applications and material handling

Industrieweg 9, 5531 AD Bladel  
P.O. Box 35, 5530 AA Bladel  
The Netherlands  
Phone +31 (0) 497 383835  
Fax +31 (0) 497 382006  
E-mail whm@walkermagnet.com  
www.walkermagnet.com/hagou

### Walker Magnetics Europe B.V.

Development, engineering, sales and service of standard magnetic applications

Industrieweg 9, 5531 AD Bladel  
P.O. Box 35, 5530 AA Bladel  
The Netherlands  
Phone +31 (0) 497 383835  
Fax +31 (0) 497 382006  
E-mail wme@walkermagnet.com  
www.walkermagnet.com/europe

### Walker Magnetics UK Ltd.

UK based sales organisation

Units 4 & 5 Firbank Court  
Firbank Way  
Leighton Buzzard  
Beds LU7 4YJ  
United Kingdom  
Phone +44 1 525 372714  
Fax +44 1 525 375852  
E-mail : wmu@walkermagnet.com  
www.walkermagnet.com/uk

### Walker Brailon Magnetics S.A.

Center of excellence for clamping systems, dedicated clamping and holding applications

Alpespace  
BP 6 - Sainte-Helene-du-Lac  
73806 Montmélian Cedex  
France  
Phone +33 4 798 430 40  
Fax +33 4 798 431 18  
E-mail : brailon@wanadoo.fr  
www.walkermagnet.com/brailon

### Walker Pilana Magnetics S.R.O.

Production of standard magnetic applications

Nadraznj 804  
76824 Hulín  
Czech Republic  
Phone +420 634 328 600  
Fax +420 634 351 035  
E-mail : walker@pilana.cz  
www.walkermagnet.com/pilana

