

WINKLE

MAGNETIC LIFTING DEVICES





WINKLE

PRODUCTS

- 5 **Circular Scrap Magnets**
- 7 **Circular Mill-Duty Magnets**
- 9 **Coil Handling Mill-Duty Magnets**
- 11 **Bi-Polar Mill-Duty Magnets**
- 13 **Rectangular Mill-Duty Magnets**
- 15 **Grapple Magnets**
- 16 **Generators**
- 17 **SPX Magnets**
- 17 **Road Sweeper Magnets**
- 17 **Rectangular Scrap Handling Magnets**
- 18 **Drop Ball Magnets**
- 18 **Hydraulic Handling Magnets**
- 19 **12/24V Battery Magnets**
- 19 **ULDSA Magnet**

- 20 **Technical Specifications**

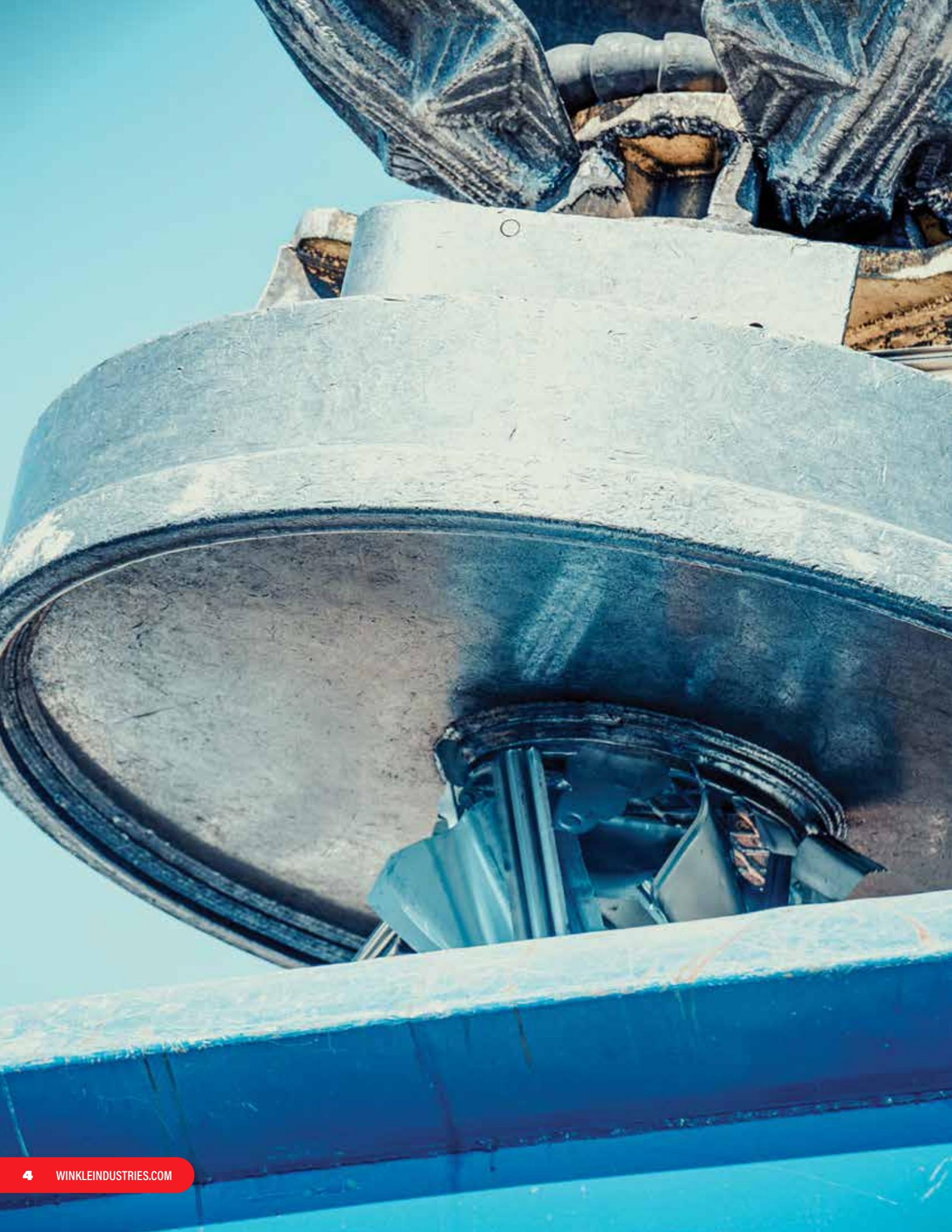
Winkle is part of a group of companies offering attachment solutions in the material handling, forestry & land clearing, steel production & distribution, construction, and ag & light industrial industries.

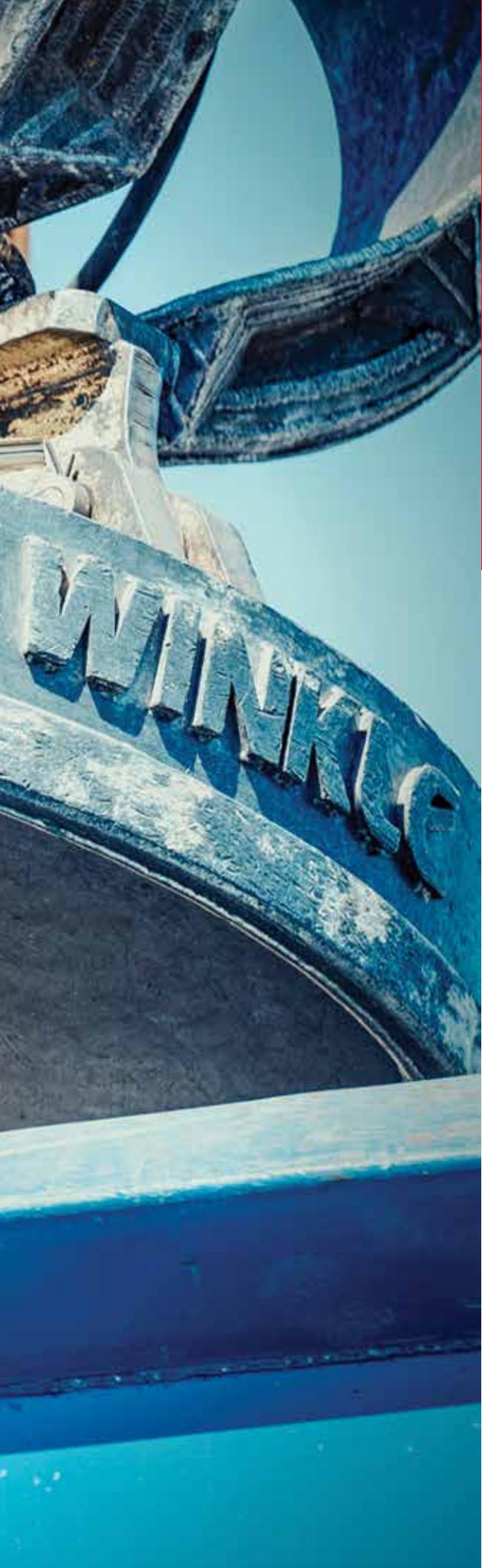
   

 **STEEL PRODUCTION & DISTRIBUTION**

Winkle's products are part of the GRYB Steel production & distribution division. Our solutions optimize your operations, setting the industry standards for performance and reliability. Engineered with precision and durability, they ensure efficiency combined with optimal results.





ENGINEERED FOR SUCCESS

CIRCULAR SCRAP HANDLING MAGNET

DS SERIES

Utilize the full capacity of your crane, cut downtime and maximize the profitability of your application. Choose from the most diverse portfolio of scrap magnets in the industry.

STANDARD FEATURES

- Heavy-Duty Fabricated Steel Case
- High-Impact Resistant Manganese Steel Bottom Plate
- Grade 80 High Alloy Steel Chain Assembly
- Quenched & Tempered Steel Pins and Collars
- Ground-Wired, Easy Access Terminal Box
- Wear Resistant Hard-Faced Pole Shoes
- Aluminum Wound Coil
- Class "H" Insulations
- 230 Volt DC Operation
- 75% Continuous Duty-Cycle
- Moisture & Shock Resistant High-Dielectric Compound

AVAILABLE OPTIONS

- Customer-Specified Requirements
- Custom Voltages
- Custom Sizes
- Copper-Wound Coils
- OptiGen Self-Contained DC Magnet
- Power Supply







DO YOUR BEST WORK

CIRCULAR MILL-DUTY MAGNETS CM SERIES

CM Series magnets are designed to withstand harsh environments and are available in a variety of sizes to fit your specific needs. Due to their sturdy construction, unmatched duty-cycles and superior lifting capability - these magnets are the right choice for almost any application.

FEATURES

- Class "H" Insulations
- 230 Volt DC Operation
- 75% Continuous Duty-Cycle
- Heavy-Duty Fabricated Case
- Extra Deep-Field Copper Coils
- High Alloy Grade-80 Chain Assembly
- Ground-Wired Easy Access Terminal Box
- Quenched & Tempered Alloy Pins and Collars
- Moisture & Shock Resistant High-Dielectric Compound
- High-Impact Resistant Manganese Steel Bottom Plate

AVAILABLE OPTIONS

- Custom Voltages
- Heat Plate Design
- Aluminum Wound Coils
- Customer Specified Requirements





FOR THE TOUGHEST JOBS

COIL HANDLING MILL-DUTY MAGNETS

CH SERIES

Achieve exceptional lifting performance with the CH series custom designed to handle both eye vertical and horizontal positions. The mechanical features of our coil handling magnets achieve maximum durability and visibility at a reduced weight.

FEATURES

- Copper Wound Coil
- Heavy-Duty Fabricated Case
- 75% Continuous Duty-Cycle
- Class "H" Insulation
- High Alloy Grade 80 Steel Chain Assemblies
- 230 Volt DC Operation
- Deep & Extra-Deep Field Design







DO YOUR BEST WORK

BIPOLAR MILL-DUTY MAGNETS

BP SERIES

Bipolar Magnets are ideal for lifting high-temperature materials where maximum saturation/flux density is critical due to reduced contact points and where excessive air gaps are present. These heavy duty lifting magnets are made from high-grade copper materials to provide a long working life and durability.

Utilized individually or in multiples, Winkle's BP Series bipolar magnet is available in a wide range of sizes and comes equipped with custom-designed pole shoes and suspension systems to meet the needs of your specific application.

FEATURES

- Heavy-Duty Fabricated Case
- High Lift-To-Weight Ratio
- 75% Continuous Duty-Cycle
- Class "H" Insulations

AVAILABLE OPTIONS

- Hot-Work Applications
- Aluminum Wound Coils
- Special Voltages
- Tapered and Flat Pole Shoes
- Various Suspension Systems
- Custom Sizes
- Custom Coils Available

COMPATIBILITY

- Bundles of pipe
- Tube
- Rebar
- Bar stock
- Plate
- Structural shapes
- Castings
- Forgings
- Coil strips





OPTIMIZE YOUR APPLICATION

RECTANGULAR MILL-DUTY MAGNETS

RM SERIES

Winkle's rectangular magnets are engineered and manufactured for the handling of various metal shapes and structural products.

Winkle's RM Series Mill Magnets are designed with deep magnetic fields and unmatched duty cycles to provide safe and reliable performance. The robust welded case design is matched with high lift-to-weight ratios to provide maximum safety factors without sacrificing durability.

FEATURES

- Heavy-Duty Fabricated Case
- Watertight Construction
- Deep & Extra-Deep Field Design
- 75% Continuous Duty-Cycle
- Class "H" Insulation
- Copper Wound Coils
- Manganese Steel Bottom Plates
- Proprietary Potting Compound for Improved Heat Dissipation and Coil Expansion and Contraction
- Lead Box Design for Easy Lead Repairs
- Grade 80 Chain Suspensions

AVAILABLE OPTIONS

- Aluminum Wound Coils
- Custom Sizes
- Hot Work Designs
- Special Voltages

COMPATIBILITY

- Plates
- Sheets
- Billets
- Bars
- Bundles
- Pipe
- Structural





OPTIMIZE YOUR PRODUCTION

GRAPPLE MAGNETS

DSG SERIES

Our DSG Series grapple magnets allow the operator to combine the tines of a standard orange peel grapple with the capacity of a round lifting magnet. The user can employ the magnet to clean up an area, and use the grapple to increase the lifting capacity and hold scrap while de-energizing the magnet, thus saving on magnet wear and tear.

FEATURES

- Heavy duty lift scrap magnet.
- Heavy duty rotators with 360° continuous rotation.
- Fully protected, easy-access cylinder hoses.
- Fully guarded high-pressure cylinders.
- Ideal for scrapyards.





POWER ON

GENERATORS

Bateman hydraulic generator kits are purpose-built and machine-specific, enabling quick excavator conversion installations and efficient material handling for scrap and recycling applications. These kits offer several key benefits, including adjustable power output limits, adjustable torque control, six selectable lift/drop operator modes, an integrated real-time performance display, and a replaceable short-circuit protection device.

Bateman also remains a leader in the scrap industry, offering the most reliable and high-performing diesel-powered generators on the market. All Bateman diesel generator kits are supplied with cables and controls, and can be paired with Bateman's range of attachments, including the Mag-Grab, Demo-Mag, Bucket Mag, or Scrap Mag, for enhanced operational efficiency.

- Ranges from 9kW - 30kW
- Most reliable on the market
- Hydraulic models can detect equipment failure
- All diesel models include cables & control

SPX MAGNET

The SPX is a self-contained, rechargeable lifting magnet perfect for handling flat material such as plates, tubes, pipes, and shafts. Cordless, this magnet is the perfect solution for areas where electrical power sources are not available as well as steel mills, downstream facilities, and steel burning companies.



ROAD SWEEPER MAGNETS RS SERIES

The RS Series is a fast, efficient and practical solution to rid roadways of metal that cause costly tire and equipment damage. The RS can be used with all types of machines from fork lifts to trucks.



PERMANENT MAGNETIC SWEeper AIB SERIES

The AIB series is equipped with an efficient stainless steel cleaning system and it can be used at a speed up to 18MPH. The standard sweeper is to be held by forks and a towing system is available as an option.



RECT. SCRAP HANDLING MAGNETS DSR SERIES

Achieve optimum scrap charging capabilities in your environment. DSR magnets lift large volumes of scrap and greatly increases load capacity.



DROP BALL MAGNET

DB SERIES

Designed for heavy-duty applications, the Winkle drop ball magnet is an essential tool for industries handling large volumes of ferrous materials. From scrap yards and demolition sites to recycling facilities, this powerful magnet delivers the strength and efficiency needed to break down and separate metal debris from mixed material piles. By using the force of impact combined with powerful magnetic lifting, the drop ball magnet enables faster sorting and streamlined metal recovery. Maximize productivity and achieve cleaner separation with a durable tool built for demanding environments.

FEATURES

- Extra-deep field
- Heavy duty fabricated case designs
- 75% duty-cycle
- High lift-to-weight ratio

AVAILABLE OPTIONS

- Customer-specified requirements
- Special voltages available



HYDRAULIC HANDLING MAGNET

HYDMAG SERIES

HYDMAG magnets are important assets to any demolition equipment fleet. This unit is completely independent. The generator is installed directly onto the magnet. Once the hydraulic hoses (not included) are connected to the excavator, you are ready to work. The HYDMAG is available in a wide range of size options for your equipment and will be quoted based on your specific applications.

FEATURES

- Quick Demagnetization
- Easy to Install
- Easily Transferable from Machine to Machine
- Autonomous System
- Optional Teeth

AVAILABLE OPTIONS

- Customer-specified requirements
- Special Voltages Available



12/24V BATTERY MAGNET BM SERIES

Winkle's 12/24-volt scrap electromagnets are a popular choice for the rail & scrap industry as they are specialized battery magnets designed specifically to meet industry requirements.

The 12/24V battery magnets include 60 feet of cables, equipped with a safety fuse to ensure the highest level of safety. All components in these battery magnets are designed and manufactured to meet quality standards and provide optimal performance.

FEATURES

- No Generator
- Easily Adjustable to Your Machine
- Cost Effective
- Aluminium Coil With the Best Duty Cycle on the Market

INCLUDES

- Chains
- 80 or 100-amp controller equipped with:
 - Operator Control w/ foot pedal
 - 20' cable for control operator
 - Color HMI to install in the Cab
- 60' of AWG Boom Cable with safety fuse (80-amp = AWG 6/2C Type W; 100-amp = AWG 4/2C Type W)
- 20' cable to the battery (80-amp = AWG 6/2C Type W; 100-amp = AWG 4/2C Type W)



ULDSA MAGNET

Introducing the ULDSA ultra-light scrap magnet: reduce downtime and boost profitability across your operations.

FEATURES

- One of the lightest models in its category
- Heavy-duty fabricated steel case
- High-impact resistant manganese steel bottom plate
- Grade 80 high alloy steel chain assembly
- Wear resistant hard-faced pole shoes
- Aluminum wound coil
- Class "H" insulations
- 230 volt DC operation
- 75% Continuous cuty-cycle
- Moisture & shock resistant high-dielectric compound



WINKLE

TECHNICAL SPECIFICATIONS

21 **Circular Scrap Magnets**

24 **Circular Mill-Duty Magnets**

24 **Hydraulic Handling Magnets**

25 **12/24V Battery Magnets**

25 **Self-Contained Engine-Driven Generator**

25 **Hydraulic Generator**

26 **Rectangular Mill-Duty Magnets**

26 **SPX Magnets**

27 **Grapple Magnets**

TECHNICAL SPECIFICATIONS

CIRCULAR SCRAP MAGNET

ELDSA - Extra-Light Deep Field Aluminum

SIZE DIA.	WEIGHT LBS (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA		TURNINGS
						#1 HEAVY MELT	#2 HEAVY MELT	
30"	895 (406)	18	230	5 kW	#12	575 (261)	375 (170)	225 (102)
34"	1,050 (476)	22	230	5 kW	#12	700 (318)	450 (204)	275 (125)
40"	1,700 (771)	32	230	7.5 kW	#10	1,250 (567)	775 (352)	400 (181)
48"	2,500 (1,134)	44	230	10 kW	#8	1,925 (873)	1,275 (578)	625 (283)
58"	3,850 (1,746)	65	230	15 kW	#8	3,025 (1,372)	1,975 (896)	950 (431)
68"	5,800 (2,631)	87	230	20 kW	#6	4,425 (2,007)	2,875 (1,304)	1,500 (680)
72"	7,500 (3,402)	102	230	25 kW	#4	5,550 (2,517)	3,850 (1,746)	1,775 (805)

CIRCULAR SCRAP MAGNET

LDSA - Light Deep Field Aluminum

SIZE DIA.	WEIGHT LBS (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA		TURNINGS
						#1 HEAVY MELT	#2 HEAVY MELT	
30"	1,025 (465)	20	230	5 kW	#12	625 (283)	425 (193)	250 (113)
34"	1,275 (578)	23	230	5 kW	#12	775 (352)	500 (227)	300 (136)
36"	1,475 (669)	22	230	5 kW	#12	850 (386)	525 (238)	350 (159)
40"	1,850 (839)	34	230	7.5 kW	#10	1,375 (624)	800 (363)	425 (193)
48"	2,900 (1,315)	45	230	10 kW	#8	2,075 (941)	1,300 (590)	650 (295)
53"	3,650 (1,656)	53	230	13 kW	#8	2,475 (1,123)	1,625 (737)	800 (363)
58"	3,950 (1,792)	66	230	15 kW	#8	3,150 (1,429)	2,125 (964)	1,025 (465)
63"	5,375 (2,438)	75	230	17 kW	#6	3,975 (1,803)	2,650 (1,202)	1,300 (590)
68"	6,000 (2,722)	88	230	20 kW	#6	4,650 (2,109)	2,975 (1,349)	1,525 (692)
72"	7,750 (3,515)	108	230	25 kW	#4	5,625 (2,551)	3,975 (1,803)	1,850 (839)

TECHNICAL SPECIFICATIONS

CIRCULAR SCRAP MAGNET

DSA - Deep Field Aluminum

SIZE DIA.	WEIGHT LBS (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA LBS (KG) #1 HEAVY MELT	LIFT DATA LBS (KG) #2 HEAVY MELT	TURNINGS
34"	1,500 (680)	24	230	5 kW	#12	850 (386)	525 (238)	350 (159)
36"	1,625 (737)	25	230	7.5 kW	#12	925 (420)	600 (272)	375 (170)
40"	2,075 (941)	36	230	9 kW	#10	1,500 (680)	925 (420)	450 (204)
48"	3,100 (1,406)	47	230	10 kW	#8	2,200 (998)	1,350 (612)	700 (318)
53"	3,825 (1,735)	55	230	13 kW	#8	2,650 (1,202)	1,775 (805)	825 (374)
58"	4,250 (1,928)	67	230	15 kW	#8	3,350 (1,520)	2,250 (1,021)	1,125 (510)
63"	5,625 (2,551)	78	230	17 kW	#6	4,250 (1,928)	2,725 (1,236)	1,375 (624)
68"	6,400 (2,903)	90	230	20 kW	#6	4,775 (2,166)	3,125 (1,417)	1,575 (714)
72"	8,450 (3,833)	111	230	25 kW	#4	5,750 (2,608)	4,125 (1,871)	1,900 (862)
78"	10,200 (4,627)	131	230	30 kW	#2	6,950 (3,152)	4,475 (2,030)	2,250 (1,021)
84"	12,950 (5,874)	165	230	40 kW	#2	7,950 (3,606)	5,375 (2,438)	2,700 (1,225)
88"	14,800 (6,713)	179	230	40 kW	#1	8,975 (4,071)	6,100 (2,767)	3,150 (1,429)
93"	16,500 (7,484)	212	230	45 kW	1/0	10,600 (4,808)	7,925 (3,595)	3,975 (1,803)
98"	20,675 (9,378)	237	230	55 kW	2/0	12,225 (5,545)	9,750 (4,423)	4,800 (2,177)

CIRCULAR SCRAP MAGNET

EDSA - Extra Deep Field Aluminum

SIZE DIA.	WEIGHT LBS (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA LBS (KG) #1 HEAVY MELT	LIFT DATA LBS (KG) #2 HEAVY MELT	TURNINGS
34"	1,700 (771)	25	230	7.5 kW	#12	925 (420)	575 (261)	375 (170)
36"	2,025 (919)	29	230	7.5 kW	#12	1,050 (476)	700 (318)	425 (193)
40"	2,300 (1,043)	38	230	9 kW	#10	1,650 (748)	1,050 (476)	475 (215)
48"	3,300 (1,497)	48	230	13 kW	#8	2,350 (1,066)	1,450 (658)	750 (340)
58"	4,700 (2,132)	69	230	15 kW	#8	3,675 (1,667)	2,375 (1,077)	1,200 (544)
68"	6,825 (3,096)	94	230	20 kW	#6	4,925 (2,234)	3,300 (1,497)	1,675 (760)
72"	8,600 (3,901)	114	230	25 kW	#4	5,900 (2,676)	4,200 (1,905)	1,950 (885)
78"	10,750 (4,876)	133	230	30 kW	#2	7,150 (3,243)	4,700 (2,132)	2,325 (1,055)
84"	13,650 (6,192)	169	230	40 kW	#2	8,225 (3,731)	5,625 (2,551)	2,825 (1,281)
88"	15,175 (6,883)	188	230	40 kW	#1	9,325 (4,230)	6,325 (2,869)	3,275 (1,486)
93"	17,450 (7,915)	219	230	55 kW	1/0	10,950 (4,967)	8,350 (3,787)	4,100 (1,860)
98"	21,375 (9,695)	246	230	55 kW	2/0	12,575 (5,704)	10,375 (4,706)	4,925 (2,234)

TECHNICAL SPECIFICATIONS

CIRCULAR SCRAP MAGNET

DSA-DV - Deep Field Aluminum - Dual Voltage

SIZE DIA.	WEIGHT LBS (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA LBS (KG)		TURNINGS
						#1 HEAVY MELT	#2 HEAVY MELT	
84"	12,950 (5,874)	207/162	230/180	45 kW	1/0	8,350 (3,787)	5,650 (2,563)	2,850 (1,293)
88"	14,800 (6,713)	235/184	230/180	55 kW	2/0	9,450 (4,286)	6,350 (2,880)	3,300 (1,497)
93"	16,500 (7,484)	281/220	230/180	65 kW	3/0	11,100 (5,035)	8,375 (3,799)	4,125 (1,871)
98"	20,675 (9,378)	322/252	230/180	70 kW	4/0	12,750 (5,783)	10,400 (4,717)	4,950 (2,245)

CIRCULAR SCRAP MAGNET

EDSA-DV - Extra Deep Field Aluminum - Dual Voltage

SIZE DIA.	WEIGHT LBS (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA LBS (KG)		TURNINGS
						#1 HEAVY MELT	#2 HEAVY MELT	
84"	13,650 (6,192)	212/165	230/180	45 kW	1/0	8,625 (3,912)	5,875 (2,665)	2,975 (1,349)
88"	15,175 (6,883)	245/191	230/180	55 kW	2/0	9,825 (4,457)	6,575 (2,982)	3,450 (1,565)
93"	17,450 (7,915)	297/233	230/180	65 kW	4/0	11,475 (5,205)	8,800 (3,992)	4,325 (1,962)
98"	21,375 (9,695)	345/270	230/180	75 kW	250 MCM	13,125 (5,953)	11,025 (5,001)	5,200 (2,359)

ULDSA MAGNET

SIZE DIA.	WEIGHT LBS	VOLTAGE DC	RESISTANCE COLD	AMP. COLD	AMP. HOT	KW MAX	DUTY CYCLE	LIFT DATA LBS		
								#1 HEAVY MELT	#2 HEAVY MELT	TURNINGS
30"	850	230	14.39	15.98	11.19	3.68	75%	500	325	200
36"	1,200	230	11.63	19.78	13.84	4.55	75%	750	425	275
40"	1,575	230	7.51	30.63	21.44	7.04	75%	1,150	700	350
48"	2,200	230	5.62	40.93	28.65	9.41	75%	1,800	1,200	550
58"	3,600	230	3.69	62.33	43.63	14.34	75%	2,825	1,850	875

TECHNICAL SPECIFICATIONS

CIRCULAR MILL-DUTY MAGNET CM Series

SIZE IN	REQUIRED POWER A	KILOWATTS	WEIGHT LBS	CAPACITY LBS
25	9.5	2.19	1,000	10,000
30	14.4	3.31	1,625	16,500
36	21.2	4.88	2,275	21,500
40	26.5	6.10	3,075	30,000
45	31.3	7.20	4,325	40,000
48	34.6	7.96	4,950	45,000
55	42.1	9.68	6,000	55,000
58	55.4	12.74	7,275	60,000
65	64.9	14.93	9,650	75,000
68	81.7	18.79	11,100	85,000
75	103.2	23.74	15,825	100,000
80	121.8	28.01	19,200	120,000
85	140.1	32.22	22,525	140,000

1. Lifting capacity is based on a 2:1 safety factor with a 1/8" air gap on a 6" thick clean, flat machined mild steel slab.

2. Lifting capacity is based on optimum conditions. Variables in materials, operations and/or auxiliary components may affect performance.

Note: Bigger magnet models available per customer request.

HYDRAULIC HANDLING MAGNET HYDMAG Series

MODEL	DIA. IN	CURRENT AMPS	VOLTAGE	GENERATOR POWER	WEIGHT LBS	HMS1	HMS2	TURNINGS
HYDMAG-36LDSA	36	22	230	15	1,850	725	475	250
HYDMAG-40LDSA	40	33	230	15	2,300	900	600	350
HYDMAG-48LDSA	48	38	230	15	3,615	1,750	1,200	600
HYDMAG-53ELDSA	53	53	230	15	4,200	2,475	1,625	800
HYDMAG-58ELDSA	58	65	230	15	6,400	3,025	1,975	950
HYDMAG-63ELDSA	63	75	230	20	7,200	3,975	2,650	1,300

TECHNICAL SPECIFICATIONS

12/24V BATTERY MAGNET

BM Series

MODEL	DIAMETER IN	CURRENT AMPS	VOLTAGE VDC	WEIGHT LBS	LIFTING CAPACITY HMS1 LBS	DUTY CYCLE %
BM28A	28	85/42	12 or 24	950	Up to 400	75
BM32A	32	85/42	12 or 24	1,300	Up to 600	75
BM36A	36	40/80	24	1,900	Up to 750	75
BM40A	40	40/80	24	2,415	Up to 900	75
BM48A	48	50/100	24	3,375	Up to 1,100	75

SELF-CONTAINED ENGINE-DRIVEN GENERATOR

	GEN. OUTPUT	LENGTH IN (MM)	WIDTH IN (MM)	HEIGHT IN (MM)	CONTROLLER	OPER. COND.	MAX. RPM	WEIGHT LBS (KG)	FUEL TYPE
9KW MAGGEN	9 kW	41 (1,041)	23 (584)	32 (813)	100% Duty Cycle Electronic	Air Cooled	3,600	650 (295)	Gas
9KW MAGGEN	9 kW	49 (1,245)	23 (584)	35 (889)	100% Duty Cycle Electronic	Liquid Cooled	3,000	790 (358)	Diesel
15KW MAGGEN	15 kW	49 (1,245)	23 (584)	35 (889)	100% Duty Cycle Electronic	Liquid Cooled	3,000	800 (363)	Diesel
20KW MAGGEN	20 kW	56 (1,422)	28 (711)	42 (1,067)	100% Duty Cycle Electronic	Liquid Cooled	3,000	950 (431)	Diesel
30KW MAGGEN	30 kW	67 (1,702)	32 (813)	42 (1,067)	100% Duty Cycle Electronic	Liquid Cooled	2,500	1,800 (816)	Diesel

HYDRAULIC GENERATOR

	GENERATOR OUTPUT	WIDTH IN (MM)	LENGTH IN (MM)	HEIGHT IN (MM)	NO. OF POLES	MAGNET SIZE IN (MM)	WEIGHT LBS (KG)
9KW HYDGEN	9 kW	15 (381)	30 (762)	18 (457)	4	24 - 40 (610 - 1,016)	210 (95)
15KW HYDGEN	15 kW	15 (381)	31 (787)	18 (457)	4	40 - 57 (1,016 - 1,448)	220 (100)
20KW HYDGEN	20 kW	16 (406)	36 (914)	21 (533)	4	57 - 67 (1,016 - 1,702)	250 (113)
30KW HYDGEN	30 kW	17 (432)	37 (940)	23 (584)	4	60 - 78 (1,524 - 1,981)	350 (159)

TECHNICAL SPECIFICATIONS

RECTANGULAR MILL-DUTY MAGNET

8 Inch Wide

LENGTH IN	AMPS	WATTS	WEIGHT LBS
16	2.46	566	185
24	3.71	853	300
36	5.76	1,325	450
48	7.17	1,649	625
60	8.88	2,042	800
72	11.37	2,615	1,000
80	13.94	3,206	1,200
90	17.2	3,956	1,500

12 Inch Wide

LENGTH IN	AMPS	WATTS	WEIGHT LBS
36	6.87	1,580	675
48	9.21	2,118	890
60	11.28	2,594	1,175
72	15.8	3,634	1,525
84	19.43	4,469	1,950
96	23.84	5,483	2,450

16 Inch Wide

LENGTH IN	AMPS	WATTS	WEIGHT LBS
36	8.59	1,976	975
48	12.69	2,919	1,425
60	17.37	3,995	1,800
72	23.37	5,375	2,375
84	28.87	6,640	2,900
96	35.21	8,098	3,550

20 Inch Wide

LENGTH IN	AMPS	WATTS	WEIGHT LBS
40	15.37	3,535	1,750
48	18.77	4,317	2,150
60	22.9	5,267	2,700
72	28.54	6,564	3,325
84	35.05	8,062	4,050
96	42.39	9,750	4,975

SPX MAGNET

Plate Magnet

	LENGTH IN	WIDTH IN	HEIGHT IN	CAPACITY LBS	DUTY CYCLE	MIN THICK. IN
SPX-1810	18	10	22	3,000*	50%	1/4
SPX-3210	32	10	22	5,500*	50%	1/4
SPX-4810	48	10	22	8,000*	50%	1/4

* Dimensions may vary depending on configuration and options.

Round Magnet

ROUND MAGNET	LENGTH IN	WIDTH IN	HEIGHT IN	CAPACITY LBS	DUTY CYCLE	MIN DIA. IN	MAX DIA. IN
SPX-1810R	18	10	29	1,700 [†]	50%	5	18
SPX-3210R	32	10	29	3,400 [†]	50%	5	32

[†] Capacity differs depending on diameter and thickness.

The maximum rated lift is based upon lifting clean, smooth, flat, low-carbon steel plate, 2" or thicker with the full area of the magnet's lifting surface in contact with the load.

TECHNICAL SPECIFICATIONS

GRAPPLE MAGNET

160 Series

MODEL	CAPACITY YD ³ /M ³	MAGNET DIA. IN (MM)	WEIGHT LBS (KG)	TIP-TO-TIP WIDTH (OPEN TINES) IN (MM)	HEIGHT (OPEN TINES) IN (MM)	HEIGHT (CLOSED TINES) IN (MM)
BMG16-075-M30	0.75 / 0.55	30 (762)	4,760 (2,159)	99 (2,513)	67 (1,713)	94 (2,377)
BMG16-075-M36	0.75 / 0.55	36 (914)	4,950 (2,245)	99 (2,513)	67 (1,713)	94 (2,377)
BMG16-100-M30	1 / 0.75	30 (762)	4,820 (2,186)	106 (2,693)	68 (1,724)	97 (2,469)
BMG16-100-M36	1 / 0.75	36 (914)	5,020 (2,277)	106 (2,693)	68 (1,724)	97 (2,469)
BMG16-125-M36	1.25 / 0.95	36 (914)	5,140 (2,331)	113 (2,870)	72 (1,829)	104 (2,642)
BMG16-125-M40	1.25 / 0.95	40 (1,016)	6,000 (2,722)	113 (2,870)	68 (1,724)	101 (2,561)

210 Series

MODEL	CAPACITY YD ³ /M ³	MAGNET DIA. IN (MM)	WEIGHT LBS (KG)	TIP-TO-TIP WIDTH (OPEN TINES) IN (MM)	HEIGHT (OPEN TINES) IN (MM)	HEIGHT (CLOSED TINES) IN (MM)
BMG210-125-M40	1.25 / 0.95	40	7,700	120	79.5	113
BMG210-150-M40	1.5	40	7,750	124	80	115
BMG210-150-M44	1.5	44	8,250	124	80	115
BMG210-200-M40	2	40	8,200	138	80	122
BMG210-200-M44	2	44	8,600	138	80	122
BMG210-200-M48	2	48	8,850	138	80	122

WINKLE

1-330-823-9730
INFO@WINKLEINDUSTRIES.COM

FOLLOW US     



WINKLEINDUSTRIES.COM

WI-CA-MAGNETIC-E-25-01