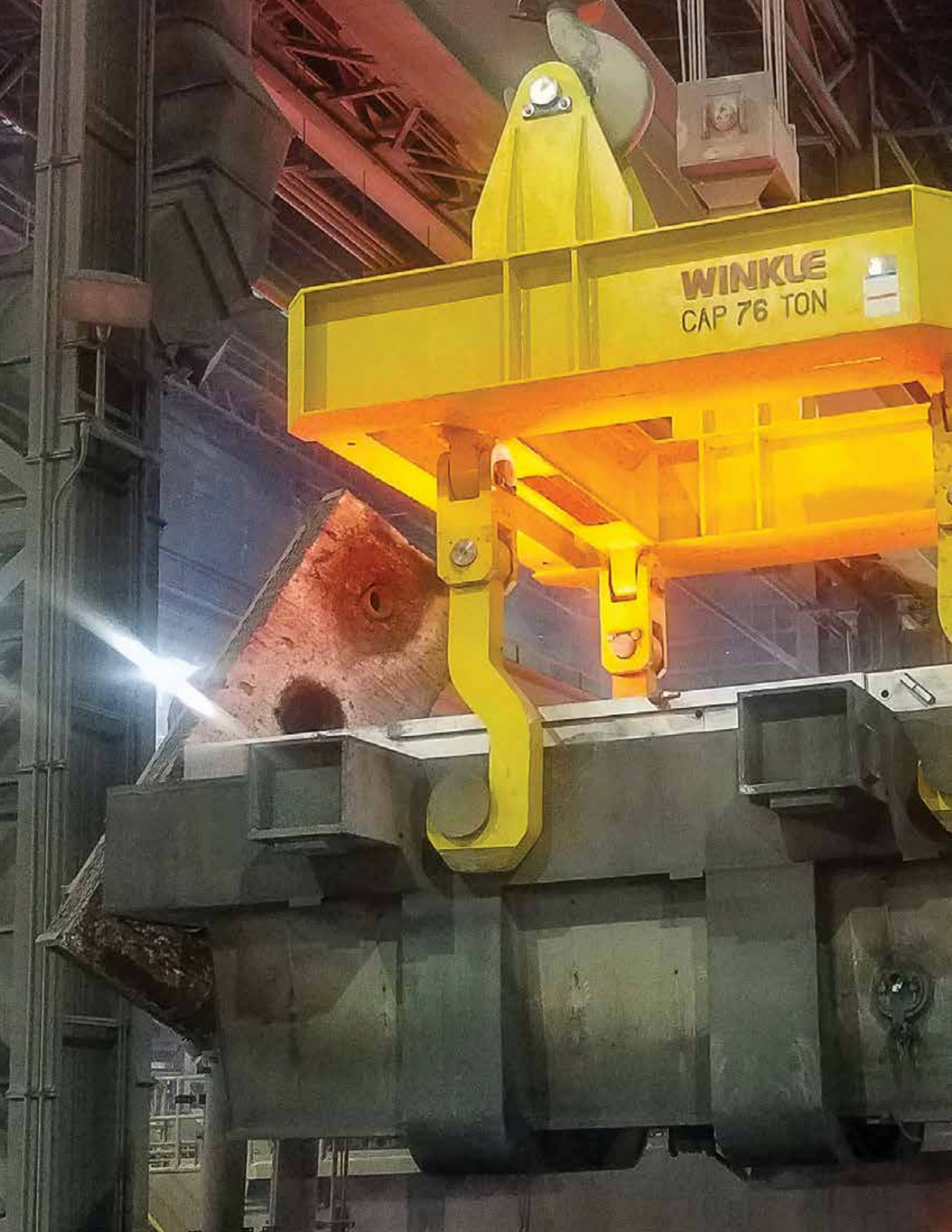
WINKLE

2026-27 PRODUCT CATALOG

STEEL PRODUCTION & DISTRIBUTION




WINKLE
CAP 76 TON



WINKLE

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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.

GRYB

GRYB BATEMAN WINKLE SHEAREX
SERCO LOADERS e-Trak RADTECH INNOVATION DALKO TECH

REMAN SERVICES

EXTEND SERVICE LIFE. MAXIMIZE VALUE.



BRING YOUR *MAGNETIC* OR *MECHANICAL* LIFTING EQUIPMENT BACK TO LIFE.

Convert damaged or out-of-service lifting device into safe, reliable, and fully functional tools. Our in-house remanufacturing process removes the guesswork and focuses on restoring performance while maximizing the remaining value of your equipment.

WHAT SETS OUR PROCESS APART

Every rebuild follows strict OEM specifications and is validated through a complete series of:

- Mechanical testing
- Electrical testing
- Operational performance testing
- Cycle testing at rated duty conditions
- We also measure lifting capabilities under various conditions to ensure safety and real-world performance.

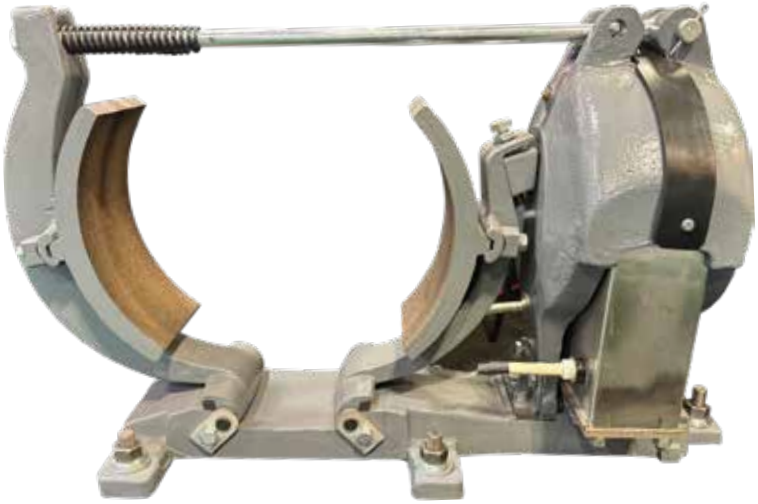
A COMPLETE, DATA-DRIVEN REBUILD APPROACH

- Multi-point inspections
- Failure analysis
- Upgrade options
- Detailed quotations
- Historical data tracking

THE RESULT

A fully restored lifting solution that delivers like-new performance, reliability, and safety, while extending the life of your equipment.

Winkle's ReMan program is designed to bring your critical equipment back to life—safely, reliably, and cost-effectively. Through comprehensive inspection, failure analysis, and OEM-grade rebuild processes, we help you replace only what's necessary while restoring full performance. Backed by ISO-quality standards and rigorous testing, every rebuild meets—or exceeds—original manufacturer specifications.





NOT ALL BRAKE REBUILDS ARE CREATED EQUAL.

Winkle is a trusted leader in the remanufacturing of heavy-duty magnetic shoe brakes for cranes, hoists, and rotating equipment, servicing major brands such as Cutler Hammer, Square D, GE, Westinghouse, P&H, Clark, and more. Our brakes meet AISE and NEMA specifications, offer torque ratings ranging from 10 to 9000 lb-ft, are restored to OEM-quality standards, and are backed by a one-year warranty.

DEEP REBUILD EXPERTISE—DONE IN-HOUSE

What truly differentiates Winkle is our level of control and precision:

- In-house brake shoe relining (RF38 or equivalent, or custom on request)
- Precise fitment for consistent performance
- Full adjustment and torque testing before shipment

COMPLETE BRAKE SYSTEM SUPPORT

We also supply:

- Drum and disc brake assemblies
- Replacement brake shoes
- Solutions for standard and obsolete equipment

THE RESULT

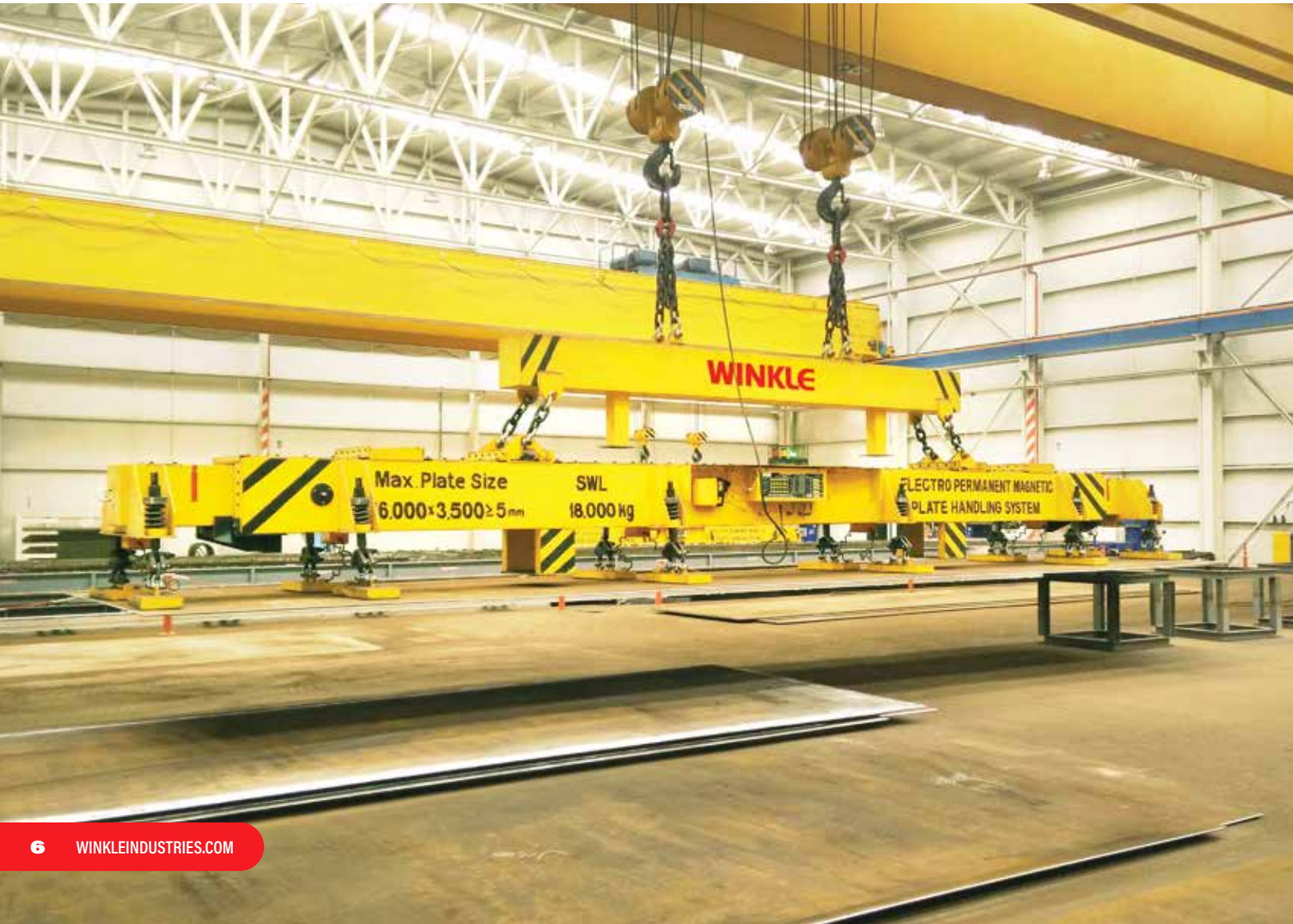
A fully restored braking system delivering reliable stopping power, precision, and long-term value—performing like new in both standard and custom applications.

PERMANENT MAGNETS HOLD THE LOAD. ELECTRICITY ONLY SWITCHES IT.

A conventional lifting electromagnet needs current for as long as the load is in the air — and a backup battery in case the power drops. In a Winkle electro-permanent magnet (EPM), the holding force comes from permanent magnets. Power is used only for a few seconds to switch the magnet ON or OFF, which cuts energy use and removes the battery from the safety chain.

ELECTROMAGNETS VS. ELECTRO-PERMANENT MAGNETS

	CONVENTIONAL ELECTRO MAGNETS	WINKLE ELECTRO-PERMANENT (EPM)
Source of the holding force	Continuous DC current through the coil	Permanent magnets inside each module
Electricity during the lift	Required for the whole lift	Only a short pulse to magnetize or demagnetize
Power failure with load suspended	Load is held only if a backup battery is fitted	Load stays held — the magnetic state does not depend on power
Backup batteries	Required, with recurring replacement cost	Not required — no recurring batteryreplacement cost
DC contactors	Maintenance required	No DC contactor maintenance
Electrical power consumption	Reference	97% less than a similar electromagnet

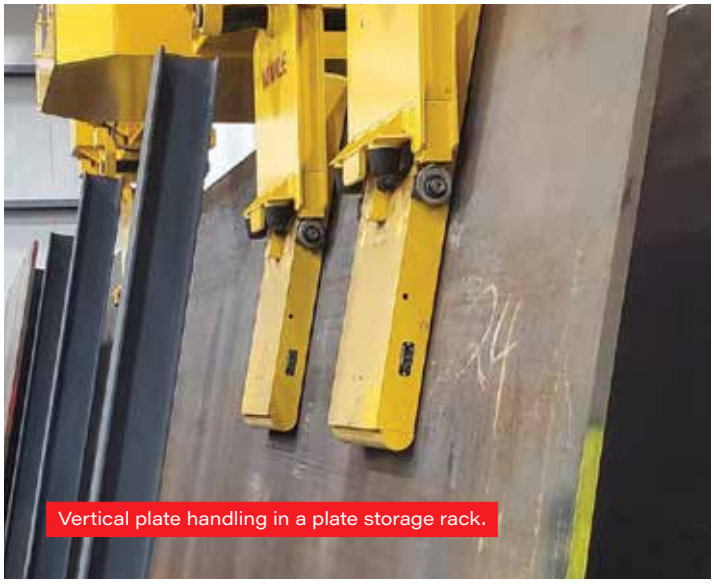




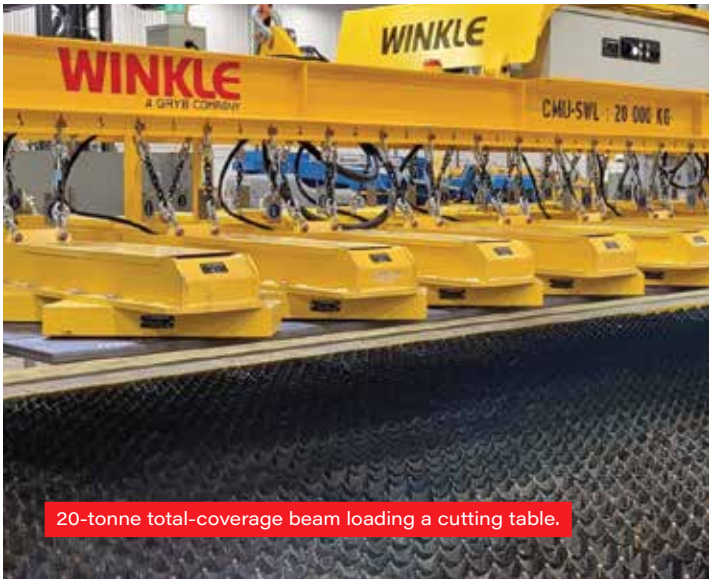
Billet handling beam in a steel mill.



EPM plate handling system lifting a full plate.



Vertical plate handling in a plate storage rack.



20-tonne total-coverage beam loading a cutting table.



EPM lifting frame for cutting-table loading.



EPM coil lifter in a coil processing line.


FERRARI
BULK
WINKLE



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


15,000
OptiGen
WINKLE

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
- Hot Work Designs
- Special Voltages
- Custom Sizes

APPLICATIONS

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

RECTANGULAR PLATE HANDLING MAGNETS
RM SERIES

Winkle's rectangular plate handling magnets are engineered and manufactured for usage in the handling of single or multiple thin plates found in steel mills, shipyards and service centers.



FEATURES

- Single and Multiple plate Lifting
- Copper Wound Coils
- Class "H" Insulation
- Fully Welded, Heavy Duty
- Case Design
- Various suspension options upon request
- 115 VDC available
- Hot work designs available
- 50% Duty Cycle available

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.



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.





BULLET® CABLE PROTECTOR

The Bullet® cable protection system prevents abrasions, nicks, cuts and heavy impacts that cause premature electrical failures to lifting magnets and magnet system components.

RELIABLE
The Bullet® is engineered and developed for simple attachment and maximum cable flexibility for a full range of magnet power cables, ensuring reliable operation and optimum protection.

DURABLE
Each Bullet® is molded in a high-density polymer material engineered and analyzed to resist environmental factors such as UV degradation and extreme hot and cold conditions, ensuring durability and extended service-life.



WARRANTY 1 YEAR

FEATURES

- Reduce magnet lead repairs and replacements.
- Minimize premature lifting magnet failures.
- Prevent premature damage to magnet system components.
- Protect machine's main electrical system from damage.



THE PERFECT COMBO

THE BULLET CABLE PROTECTOR & THE APOLLO CABLE RESTRAINT SYSTEM.

The apollo cable restraint system clamps magnet power cables beneath the connections to reduce the weight and tension applied to electrical connections. The strain relief also acts as a security device in the event a magnet power cable is snagged.



MAGNET CONTROLLER

Winkle offers the industry's most extensive portfolio of constant potential and solid-state magnet controllers.



MAGNET MONITORS

Winkle magnet monitors are specifically designed to instantly alert operators when lifting magnets have reached potentially dangerous current levels, enhancing on-site safety and helping prevent equipment damage or load failure.



MAGNET SYSTEM MONITORS

PLC driven monitor with new innovations that have never been replicated before. The new magnet system monitors the entire system including the BBU.



BATTERY BACK-UP SYSTEMS

Winkle uninterruptable battery back-up systems supply instantaneous, emergency power to lifting magnets when there is a temporary loss in main power. Guard against potential property damage and personal injury by safely securing loads for a set period of time.







POWER ON

GENERATORS

Bateman hydraulic generator kits are purpose-built and machine-specific, enabling quick excavator or material handler 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 liftele 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 and Winkle's range of attachments, including the Mag-Grab, Demo-Mag, Bucket Mag, or Scrap Mag, for enhanced operational efficiency.

FEATURES

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


87 TON
WINKLE



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 porfolio 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

WARRANTY 1 YEAR

MAGNETIC DEVICES TECHNICAL SPECIFICATIONS

CIRCULAR SCRAP MAGNET

ELDSA - Extra-Light Deep Field Aluminum

SIZE (DIA.) IN	WEIGHT LB (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA LB (KG) #1 HEAVY MELT	#2 HEAVY MELT	TURNINGS
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.) IN	WEIGHT LB (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA LB (KG) #1 HEAVY MELT	#2 HEAVY MELT	TURNINGS
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)

CIRCULAR SCRAP MAGNET

DSA - Deep Field Aluminum

SIZE (DIA.) IN	WEIGHT LB (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA LB (KG) #1 HEAVY MELT	#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.) IN	WEIGHT LB (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA LB (KG) #1 HEAVY MELT	#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)

MAGNETIC DEVICES TECHNICAL SPECIFICATIONS

CIRCULAR SCRAP MAGNET

DSA-DV - Deep Field Aluminum - Dual Voltage

SIZE (DIA.) IN	WEIGHT LB (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA LB (KG) #1 HEAVY MELT	#2 HEAVY MELT	TURNINGS
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.) IN	WEIGHT LB (KG)	AMPERAGE COLD	VOLTAGE DC	MINIMUM POWER REQ.	MINIMUM CABLE REQ.	LIFT DATA LB (KG) #1 HEAVY MELT	#2 HEAVY MELT	TURNINGS
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)

CIRCULAR MILL-DUTY MAGNET

CM Series

SIZE (DIA.) IN	REQUIRED POWER A	KILOWATTS	WEIGHT LB	CAPACITY LB
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 upon request.

RECTANGULAR MILL-DUTY MAGNET

24 Inches Wide

LENGTH IN	AMPS	WATTS	WEIGHT LB
32	18.78	4.32	2.25
36	20.79	4.78	2.625
40	22.81	5.25	2.925
42	25.04	5.76	3.125
48	26.85	6.18	3.675
52	30.71	7.06	4
56	34.1	7.84	4.325
60	37.67	8.66	4.825
64	41.86	9.63	5.325
68	45.74	10.52	6.05

26 Inches Wide

LENGTH IN	AMPS	WATTS	WEIGHT LB
36	22.58	5.19	2.85
42	25.72	5.92	3.375
48	28.02	6.44	3.75
54	34.35	7.90	4.325
60	37.62	8.65	5.125
64	41.74	9.60	5.45
68	44.07	10.14	6.25
72	46.27	10.64	6.7

28 Inches Wide

LENGTH IN	AMPS	WATTS	WEIGHT LB
42	27.81	6.40	3.725
48	30.86	7.10	4.25
52	34.1	7.84	4.7
56	37.71	8.67	5.1
60	41.51	9.55	5.65
64	43.1	9.91	6.4
68	46.07	10.60	6.975
74	51.65	11.88	7.6

RECTANGULAR PLATE HANDLING MAGNET

8 Inches Wide

LENGTH IN	AMPS	WATTS	WEIGHT LB
16	2.46	566	195
24	3.71	853	300
36	5.76	1.325	500
48	7.17	1.649	650
60	8.88	2.042	825
72	11.37	2.615	1000
80	13.61	3.13	1175
90	16.88	3.882	1395

12 Inches Wide

LENGTH IN	AMPS	WATTS	WEIGHT LB
36	6.87	1.58	625
48	9.21	2.118	850
60	11.28	2.594	1.075
72	15.6	3.588	1.475
84	19.43	4.469	1.95
96	23.84	5.483	2.4

16 Inches Wide

LENGTH IN	AMPS	WATTS	WEIGHT LB
36	8.6	1.978	895
48	12.69	2.919	1.375
60	17.37	3.995	1.775
72	23.37	5.375	2.35
84	28.87	6.64	2.875
96	35.21	8.098	3.5

20 Inches Wide

LENGTH IN	AMPS	WATTS	WEIGHT LB
40	15.37	3.535	1.675
48	18.77	4.317	2.075
60	22.9	5.267	2.625
72	28.54	6.564	3.25
84	35.05	8.062	3.975
96	42.39	9.75	4.95

MAGNETIC DEVICES TECHNICAL SPECIFICATIONS

SELF-CONTAINED ENGINE-DRIVEN GENERATOR

MODEL	GEN. OUTPUT	LENGTH IN (MM)	WIDTH IN (MM)	HEIGHT IN (MM)	CONTROLLER	OPER. COND.	MAX. RPM	WEIGHT LB (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

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


BATEMAN
15kW HydGen


WINKLE
40 TON
CAP
CAUTION
CENTER OF GRAVITY OF
LOAD MUST BE UNDER
CENTER OF OR ON
THIS SIDE OF LIFTING BAIL
WARNING
DO NOT SIDE
OR DRAG LOAD
LIFTING DEVICE



ENGINEERED FOR SUCCESS

C-HOOKS

Available in a wide variety of capacities and configurations, these devices are designed and manufactured to meet the specific needs of your operation. All Winkle C-Hooks are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

STANDARD FEATURES

- Single Coil Design
- Solid One-Piece Construction
- Welded One-Piece Bail
- Tapered Carrying Arm
- Replaceable Curved Support Saddle
- Counter Weighted to Hang Within One-Degree of Horizontal When Empty
- Compliant With ASME B30.20, BTH-1 Safety and Design Standards

AVAILABLE OPTIONS

- Multiple Coil Design
- Low-Headroom Design
- Motorized Rotation
- Replaceable Bail Pin / Clevis
- Replaceable Bolt-On Bail
- Polyurethane Protective Pads
- Guide Rollers and Handles
- Digital Weigh Scale
- High-Temp Rating
- Storage and Maintenance Stands


WINKLE
45T
CAP



DO YOUR BEST WORK

MOTORIZED COIL GRABS

Equipped with high-quality coil protection and built-in safety features, Winkle mill-duty grabs are engineered and manufactured to ensure maximum safety and reliability for even the most severe operating conditions. All Winkle grabs are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

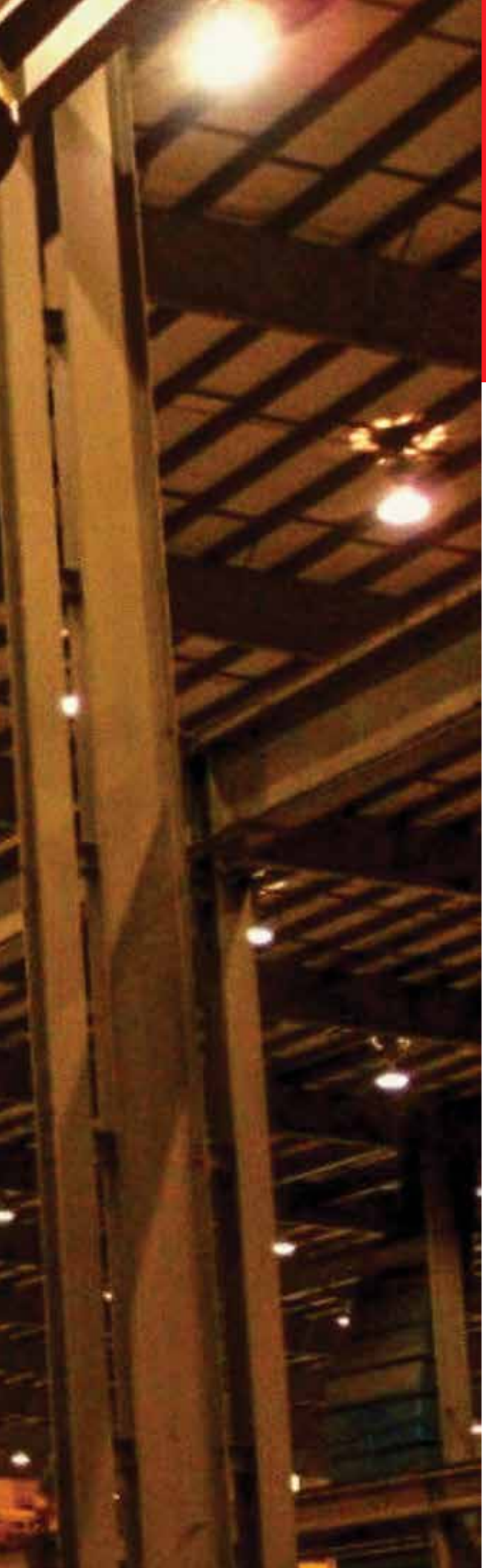
STANDARD FEATURES

- Electric Motor-Driven
- 230 Volt DC Operation
- Removable Bail Pin
- Contoured Lift Leg Saddles
- Max Open / Close Safety Limit Switches
- Single Saddle, Load Present Limit Switch
- Full-Length Steel Trip Plates / Flappers on Drop Legs
- Compliant With ASME B30.20, BTH-1 Safety and Design Standards

AVAILABLE OPTIONS

- Hydraulic Motor-Driven
- Double Saddle, Load Present Limit Switches
- Polyurethane Protective Pads
- PLC Interface Capabilities
- Built-in Weigh Scales
- Laser Beams for Centering
- High Temperature Ratings
- Custom Voltages


WINKLE



OPTIMIZE YOUR APPLICATION

AUTOMATIC COIL TONGS

Our automatic coil tongs are designed to lift one or two coils in the eye-vertical position. Engineered and manufactured for continuous operation, these mill-duty tongs come equipped with a self-latching mechanism that holds the legs in place to prevent accidental disengagement.

All of our tongs are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

Standard product line for mill duty applications

Complies with ASME standards

Optional padding for additional coil protection available

Custom designed sizes can be tailored to your needs

VERSATILE COIL WIDTH HANDLING
It's designed to handle a wide range of coil widths, providing flexibility in material handling.

COIL EDGE PROTECTION
With hooks featuring an inside radius, it prevents damaging contact with the edges of the coil during lifting.

ROBUST MILL-DUTY DESIGN
Built for demanding tasks, it excels in mill-duty applications, ensuring durability and reliability.

BALANCED LOAD HANDLING
It's counterbalanced to remain level even when empty, enhancing safety and ease of operation.

STANDARD CURVED COIL SADDLE
The included curved coil saddle adds to its versatility, making it suitable for various coil types.

EASY HOOK POSITIONING
Guide handles facilitate effortless positioning of the hook, streamlining the lifting process.

REDUCED SIZE AND WEIGHT
Constructed from high tensile alloy steel plate, it minimizes physical size and weight while maintaining robust performance.

HOIST OPERATED SLAB TONGS

Winkle hoist operated slab tongs are engineered and manufactured to lift and transport single or multiple slabs. This lifter type utilizes a hoist, gear drive, or hydraulics mounted on the upper beam to control the opening and closing of the tong.



AUTOMATIC SLAB TONGS

Winkle automatic slab tongs employ an automatic latching mechanism and are engineered and manufactured with one or more platforms to allow use on a wide range of slab widths.



AUTOMATIC SHEET / PLATE TONGS

Winkle automatic sheet /plate tongs are multi-purpose devices used to lift horizontally stacked single or multiple bundles in various dimensions. Each tong is designed and manufactured to meet specific customer requirements.



ASME B30.20, BTH-1
SAFETY STANDARD COMPLIANT

All Winkle tongs are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

AUTOMATIC PUP COIL TONGS

Winkle pup coil tongs are primarily used in the manufacturing of soft metal coils. The tongs offer a large gripping area which reduces damage to the coil material. These devices can also be used to shape a flattened coil into its original round form.



AUTOMATIC PIPE/ROUND TONGS

Winkle pipe tongs can be engineered and manufactured to accommodate any diameter or length of pipe. This type of tong can also be utilized as a semi-supporting or gripping type of device where it grabs the pipe at its centerline or ends.



AUTOMATIC INGOT TONGS

Winkle automatic tongs can be utilized to lift a wide range of aluminium and steel ingots in the horizontal position. These tongs can be engineered with single or multiple lever sets and designed to handle extremely hot ingots. Unique, its custom designs offer an unparalleled level of safety and performance.



ASME B30.20, BTH-1
SAFETY STANDARD COMPLIANT

All Winkle tongs are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

ROLL LIFTER

Winkle automatic and motorized roll lifters are utilized to handle single or double work roll sets, with or without chocks and pedestals, for a wide range of industrial and mill-duty operations.

Eliminate the use of chains and slings with our safe and efficient, hands-free roll lifters.



PALLET LIFTER

Our pallet lifters convert your cranes and hoists into aerial forklifts, delivering a safe, efficient, and reliable solution for handling bulk materials in your warehouse or on the job site. Available in a wide range of configurations and capacities, these heavy-duty lifters are built to meet the demands of your operations.



EAF FURNACE MODULE LIFTER

Our furnace module lifters are used for the lifting and positioning of furnace sections during assembly and maintenance operations. The lifter is capable of adjustment in both the “X” and “Y” directions to suit a variety of sizes. Capacity and spread can be tailored to meet your specific requirements.



ASME B30.20, BTH-1
SAFETY STANDARD COMPLIANT

All Winkle tongs are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.


35 TON CAP
WINKLE
WINKLE

SLAB LIFTER

This device is used to remove metal slabs of various sizes off of a heat treatment table and set into a tank filled with water or oil for quenching. The unit has an adjustable bail that permits level lifting of the slabs due to multiple combinations of dimensions that it is required to lift.

The crane lifts the slab and travels to the tank where it submerges both the lifter and slab. After quenching, the apparatus is raised and the slab is placed onto a cooling table.



SHEET LIFTER

Winkle manual, automatic and motorized sheet / plate lifters are an optimal choice for handling single or multiple pieces of material. These mill-duty, dependable lifters are designed to provide safe and reliable support for a wide range of dimensional, capacity and application requirements. These devices have many production applications and numerous optional features to customize the equipment to your individual requirements.



SPINDLE LIFTER

Winkle spindle lifters are used for lifting spindle assemblies from the rolling mill during installation and maintenance operations. This device hangs directly on a crane and is maneuvered by the crane operator. Counterweight is included to offset the weight of the spindle.



ASME B30.20, BTH-1
SAFETY STANDARD COMPLIANT

All Winkle tongs are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

SEGMENT LIFTER

Winkle mill-duty, flexible lifters are utilized to safely and efficiently remove and install segment rolls in continuous casters. Segment lifters come equipped with heavy-duty roller guides for meeting contour demands and J-Hooks that can be adjusted.



FURNACE COVER LIFTER

Furnace cover lifters are available as either manual or automatic and provide an optimum solution for safely handling annealing furnace covers. It comes equipped with 2 to 4 fixed legs or chains used to engage and lift a furnace cover. Automatic cover lifters employ a reflexive clasping mechanism for latching and unlatching.



ELECTRODE LIFTER

These mill-duty lifters safely and effectively handle single and multiple column graphite electrode assemblies that are used in electric arc furnaces to recycle and refine steel and non-ferrous melting operations.



ASME B30.20, BTH-1
SAFETY STANDARD COMPLIANT

All Winkle lifters are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

EAF UPPER SHELL LIFTER

Winkle lifters are designed and manufactured to safely handle the removal and replacement of the upper shell of an electric arc furnace.

The upper shell is the main body of the furnace where the sidewalls are made of water-cooled panels for heat management and cooling.



CRANE WHEEL LIFTER

This lifter is utilized to safely and effectively install and remove overhead crane wheel assemblies during the replacement and repair process. With the use of the adjustable clamping mechanisms, a variety of crane wheel sizes can be handled with one unit.



BEARING LIFTERS

Designed to meet your specific requirements, our heavy-duty automatic and manual mechanical bearing lifters safely and effectively handle the task of lifting the challenging components of work roll sets.

Available in a wide range of sizes, capacities and styles, these high strength steel lifters provide trouble-free operation even in the harshest environments.



ASME B30.20, BTH-1
SAFETY STANDARD COMPLIANT

All Winkle scrapers and scrap buckest are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

ADJUSTABLE SPREADER BEAM

Available in a wide number of telescoping spans, capacities and configurations, Winkle adjustable spreader beams are ideal for handling loads of varying sizes. These high-strength steel beams can be designed to adjust manually or through the use of a power-driven system to meet the needs of your specific application.



COUNTER-BALANCE SPREADER BEAM

Our fixed and adjustable counter-balance beams are specifically designed for applications where the load's center-of-gravity is offset from the crane's lift points.



FIXED LENGTH SPREADER BEAM

Our fixed length spreader beams provide safe and reliable support for virtually any type of lifting application. Designed to meet your specific needs, these heavy-duty steel beams are available in an unlimited number of lengths, capacities and configurations.



ASME B30.20, BTH-1
SAFETY STANDARD COMPLIANT

All Winkle spreader beams are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

BFI SERIES SPREADER BEAM

The heavy duty BFI series spreader beams provide high stability and are available in a wide range of sizes and capacities.



LOW HEADROOM MULTIPLE SPREAD BEAM

This spread beam is ideal in situations where headroom is limited. With a substantial load capacity and ability to balance loads - this beam is perfect for many types of lifting. A large selection of models is available.



COIL RAM

The robust coil ram is ideal for handling steel and aluminum rolls and sheets. The coil ram also increases visibility while being compatible with a variety of carriers. (forklifts/loaders)

The ram attaches to the undercarriage and is available in several lengths and capacities.



ASME B30.20, BTH-1
SAFETY STANDARD COMPLIANT

All Winkle spreader beams are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

MECHANICAL DEVICES TECHNICAL SPECIFICATIONS

C-HOOKS

Capacity	TONS	10	15	20	25	30	35	40	45
Max Coil Width	IN	48	72	72	72	72	74	72	78
C-Hook Throat	IN	24	36	30	34	35	37.5	38	40
Arm Length	IN	39	57.5	57.5	57.5	57.5	59	57.5	62.25
Arm, Saddle & Support Depth	IN	10.25	13.56	13.94	17.19	17.25	17.5	17.5	17.5
Saddle Width	IN	3	3.5	4	4	4.5	5	5.5	6.5
Headroom (Bail to Saddle)	IN	42.63	60.25	56.75	65.75	69	74.13	74.13	77
Bail Top Depth	IN	2	2.25	2.25	2.75	3	3	3	3.25
Bail Opening Width	IN	4.5	5	5	5.25	6	6.25	6.25	7
Bail Opening Length	IN	8	10	12	14	16	18	18	19
Bail Thickness	IN	1.5	1.75	2	2	2.25	2.5	2.75	2.75
C-Hook Weight	LB	1,270	3,055	3,951	4,804	5,765	7,007	7,695	9,457

MOTORIZED COIL GRABS

Capacity	TON	30	35	40	45	50
Coil Width (Min/Max)	IN	27 / 68	27 / 72	27 / 76	29.5 / 80	29.5 / 84
Coil Bore I.D. (Min/Max)	IN	16 / 30	16 / 30	16 / 30	16 / 30	16 / 30
Coil O.D. (Min/Max)	IN	32 / 74	34 / 79	36 / 85	36 / 87	44 / 90
Leg Opening Range (Min/Max)	IN	13.625 / 80	13.625 / 82	13.625 / 84	16 / 88	16 / 92
Weight	LB	7,600	7,700	7,800	7,960	8,300

WINKLE | GRYB

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