WINKLE

MECHANICAL LIFTING DEVICES


WINKLE
CAP 76 TON

WINKLE

TABLE OF CONTENT

PRODUCTS

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 BATEMAN WINKLE SHEAREX

SERCO LOADERS e-Trak Technology Solutions RADTECH INNOVATION DALKO TECH

GRYB **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.


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
- Moisture & Shock Resistant High-Dielectric Compound
- 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
25 TON 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.

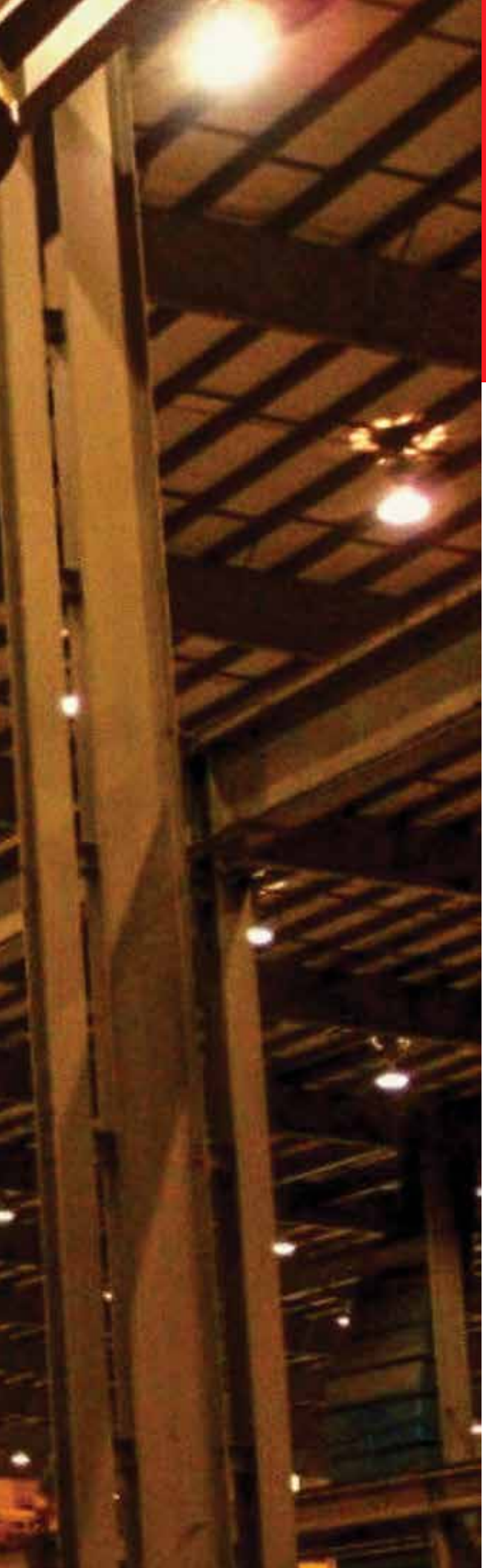
STANDARD FEATURES

- 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 multipurpose 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

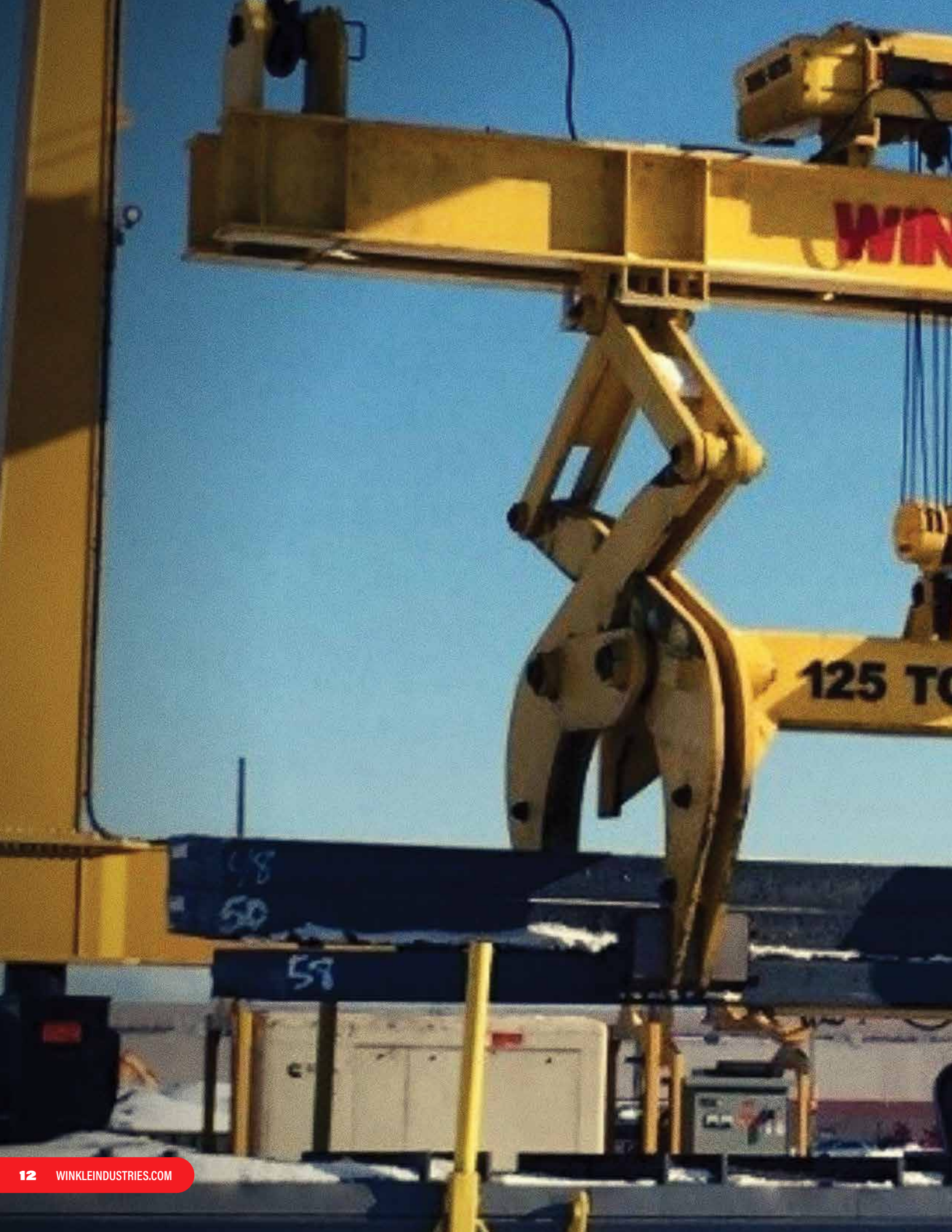
Winkle pipe tongs can be engineered and manufactured to accommodate any diameter or length of pipe. This type of tong can also be utilized as a semi-supporting or gripping type of device where it grabs the pipe at its centerline or ends.

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.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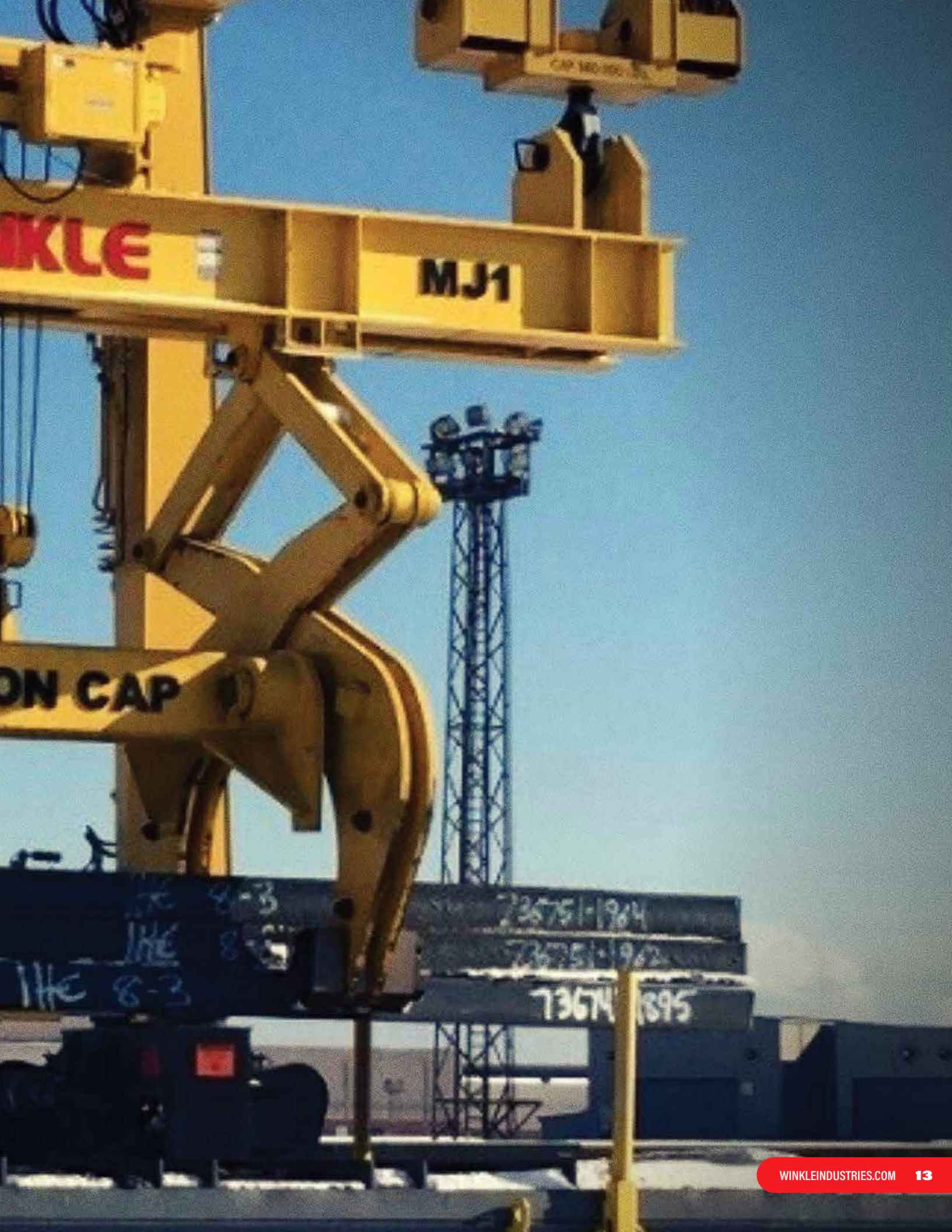
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ROLL LIFTER

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

Convert your cranes and hoists into aerial forklifts with Winkle's safe, efficient and reliable pallet lifters. Available in a wide number of configurations and capacities, these heavy-duty lifters are ideal for handling bulk material in your warehouse or at the job site.

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 to be determined by your 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.

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

FURNACE SCRAPER

Winkle furnace scraper is a large slug of weight used to "scrape" the inside of the ladles and furnace in between melts to loosen the scale and slag build-up prior to the next heat. This device hangs directly on a crane and is maneuvered by the crane operator. It is lifted up and down to scrape along the side of the unit being cleaned or prepped.

SCRAP BUCKET

Winkle heavy-duty scrap buckets are ideal for safely holding, transporting and removing bulk material. Offered in a wide number of sizes, capacities and configurations, our rock-over, front discharge and drop bottom scrap buckets set industry-leading benchmarks for strength and reliability.

These buckets can be equipped with self-dumping lifting bails that prevent accidental discharge of loads while being transported or rigid lifting bails for use with crane hooks and coil grabs.

Forklift pockets and wheels are also available to aid in meeting your application requirements.

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.

MATERIAL LIFTING BASKET

Winkle custom-designed material baskets provide the ideal solution when lifting and transporting components on the construction site or manufacturing facility.

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.

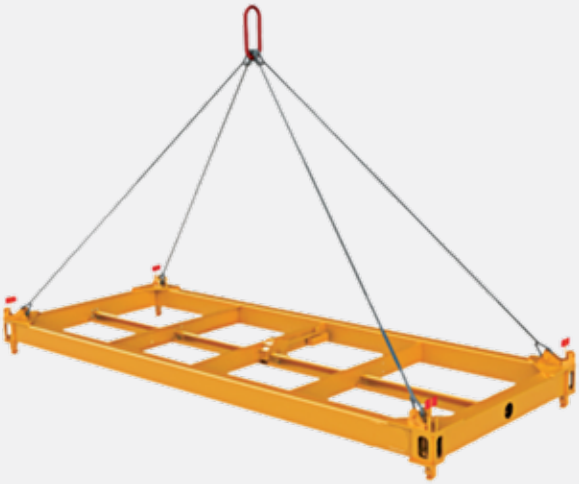
TELESCOPIC LIFTING FRAME

This easy-to-carry lifting frame features both longitudinal and transversal capabilities. The frame adapts to several types of cargo and configuration is quick and simple to change.

CONTAINER SPREADER FRAME

This spreader frame is modeled for automatic and manual cranes and can be utilized for 20′ - 40′ containers.

Models also available for loaders.



COIL RAM

The robust coil ram is ideal for handling steel and aluminum rolls and sheets. The coil ram also increases visibility while also being compatible with a variety of attachments. (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 products are engineered and manufactured in full compliance with ASME B30.20, BTH-1 safety and design standards.

MULTI-POINT LIFTING FRAME

This lifting frame is custom designed to your specifications and features a robust design with a high upper capacity.

ADJUSTABLE PALLET LIFTER

This lifter is ideal for use with a crane system or rolling bridge. This pallet lifter features a high capacity and manual adjustment of the forks according to your needs.

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 LIFTING 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	LBS	1,270	3,055	3,951	4,804	5,765	7,007	7,695	9,457

MOTORIZED COIL GRAB

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	LBS	7,600	7,700	7,800	7,960	8,300

CONTAINER SPREADER FRAME

Model		CLS020	CLS040
Length	FT	20	40
Width	FT	8.3	8.3
Height	IN	17	17
Working Sling Angle	°	Min 60	Min 60
Weight	LBS	4,650	6,850
Capacity	KG	32,000	45,000

WINKLE

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