

COIL GRABS

Bushman manufactures a complete line of coil grabs that have been engineered to meet a variety of dimensional, capacity and special application needs. Quality-built throughout, these lifters will provide years of continuous, safe and efficient coil handling.

Bushman manufactures coil grabs with heavy steel weldments. They feature: telescoping, motor-driven legs; formed, curved saddles on the lifting surfaces, and limit switch in the lifting pad to prevent accidental opening under load.

Optional features that enhance lifting efficiency and protect the coil include:

- Motorized rotation.
- Photo eyes to help position the grab on the center of the coil.
- Limit switches at ends of leg travel.
- Full length pads on all coil contact surfaces.
- Rubber or steel toe and heel rollers in the lifting feet.
- Built-in weigh scales with on-board or remote display.

Bushman coil grabs are designed according to the latest revisions of ASME Specifications B30.20 and BTH-1, Design of Below-the-Hook Lifting Devices.



This motorized rotating coil grab was designed for low headroom areas.



Bushman coil lifters can be equipped with weighing systems to weigh coils during the lift. This saves time by not having to use a separate floor scale.

Features include:

- All electronic components that are easily replaced.
- Calibration settings saved in memory that is maintained even during power outages.
- High accuracy and repeatability.

MOTORIZED COIL GRAB



Combining operating efficiency, protection of the coil, and utilization of the overhead crane system, the standard M5067 coil grab offers the most comprehensive coil handling features. The lifter can be operated with cab, pendant or remote controls. Standard units in 10 to 50 ton capacities include replaceable, non-metallic wear bars in the frame. Optional features

Standard units in 10 to 50 ton capacities include replaceable, non-metallic wear bars in the frame.

SPECIAL LIFTERS



This customer needed a faster and safer way to lift forged rings into and out of their vertical turret lathes. They were lifting them manually using three chains that had to be carefully rigged and adjusted. This specially designed Bushman lifter allows the crane operator to insert and remove the rings by himself in a fraction of the time and with less chance of damaging the ring. The lifter can handle the customer's complete range of ring sizes from a six-foot diameter solid ring to a 21-foot diameter ring with a narrow cross section. The lifting pads are designed to lift the ring from either the OD or the ID.

MOTORIZED ROTATING COIL GRAB



The MR5067 coil grab from Bushman is a low headroom lifter designed to give precise coil positioning. A gear motor accomplishes rotation with an integral pinion driving a geared bearing that is mounted in compression. An overload clutch protects the rotation drive from shock loading.

COIL GRAB FOR STEEL TUBE



This 75-ton capacity lifter handles reels of steel tube for off-shore oil rig applications.

AUTOMATED HANDLING



These two 31-ton coil grabs are used with fully automated cranes over an outdoor coil quenching pool.

MOTORIZED TELESCOPING PALLET LIFTER



Motorized telescoping pallet lifter handles eye-to-the-sky coils on pallets.

AUTOMATED COIL HANDLING



One of two 42-ton coil grabs on fully automated coil storage cranes loading a coil on a transfer car.

COMBINATION COIL/PALLET



Motorized coil-pallet lifter handles both eye-horizontal steel coils and eye-vertical coils on pallets.

Pallet forks, coil saddles and coil restrictors are all motorized.

ADJUSTABLE COIL GRABS



This 25-ton capacity adjustable coil lifter is offloading steel coils from a railroad car in Houston.

COIL GRABS FOR NARROW



Coil lifter legs ready to slip between coils



Once between the coils, legs will rotate 90 degrees.

These lifters easily handle densely packed slit coils. They can insert and remove thin slit steel coils (down to 1" wide) that are closely stacked in the rack. The adjustable coil lifter has flexible lifting legs that fit between the coils and rotate into the ID for a safe lift.



COIL GRAB STANDS



Coil lifters are large and top-heavy. They can be designed for storage only or as a full maintenance platform. When not in use, each coil grab should be stored on a stand designed for its specific size and weight.

USA

Bushman Equipment Inc.
P.O. Box 309
Butler, WI 53007-0309

W133 N4960 Campbell Drive
Menomonee Falls, WI 53051

Phone: (800) 338-7810
(262) 790-4200
Fax: (262) 790-4202

CANADA

Avon Engineering

1680 Brampton Street
Hamilton, ON L8H 3S1

Phone: (800) 844-8117
(905) 689-7994
Fax: (905) 689-8472