

COIL GRABS

ADJUSTABLE COIL LIFTER



This 25-ton capacity adjustable coil lifter uses high-strength steel hooks to offload steel coils from a railroad car. Hook spacing is manually adjustable to match the coil width being lifted.

COIL LIFTER FOR SLIT COILS



This lifter easily handles densely packed slit coils. It can deposit and remove slit steel coils (down to 1" wide) that are closely stacked in floor racks. The adjustable coil lifter has lifting legs that fit between the coils and rotate into the ID for a safe lift.

COIL GRAB STANDS



Because coil grabs are large and top-heavy, a properly designed storage stand is recommended. It can be designed for storage only or as a full maintenance platform and to aid in attaching the grab to the crane hook.

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Bushman manufactures a complete line of coil grabs that are 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 robust welded steel plate construction. They feature telescoping, motor-driven legs; formed, curved saddles on the lifting surfaces, and a 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.

MOTORIZED ROTATION

Bushman coil grabs can be built with a motorized rotator that allows coils to be rotated for safe loading of trucks or placement in a storage location.

Our rotator is powered by an electric motor and gear reducer that drives a slewing gear. The slewing gear is compression-mounted inside a welded steel plate housing. This unique design feature has proven to be extremely reliable and maintenance-free.

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



WEIGHING SYSTEMS

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:

- Proven, commercially available electronic components
- Calibration settings saved in memory that are maintained even during power outages.
- Accuracy from plus or minus 0.2% to 0.5% of actual load within the resolution of the display. (This is not considered to be a “legal for trade” scale system).



COMBINATION COIL-PALLET LIFTER



This combination coil-pallet lifter handles coils both eye-horizontal and eye-vertical on a pallet. In this application the lifter loads the coil eye-horizontal onto a coil tipper. While the coil is tipped onto a pallet, the grab “changes state” so it can pick up the palletized coil.

AUTOMATED COIL GRABS



Bushman coil grabs are applied to fully automated overhead cranes used for coil movement & storage applications. Through collaboration with the crane OEM or system integrator, sensors are added to the grab to detect leg position, rotation position, presence of the coil or other obstructions. Signals are transmitted to the crane controller to either permit safe crane movement or prevent motion if an unsafe condition is detected.

SPECIAL APPLICATION COIL GRABS



Above- Five (5) 20-ton coil grabs attached to a lifting beam to lift five coils simultaneously.

Left- Grab is designed to lift 75-ton reels of steel tube for off-shore drilling applications.