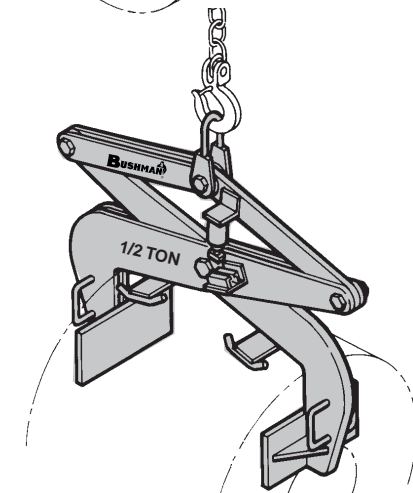
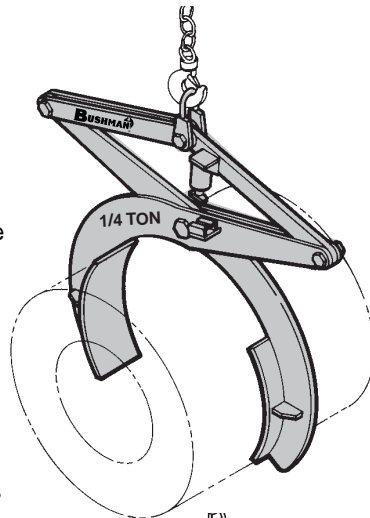


## TONG GRABS

Bushman designs and manufactures a complete line of lifting tongs designed to handle rolls, bales, shafts, etc. These tongs come in various capacities and are individually designed to suit each application. Request bulletin TG.

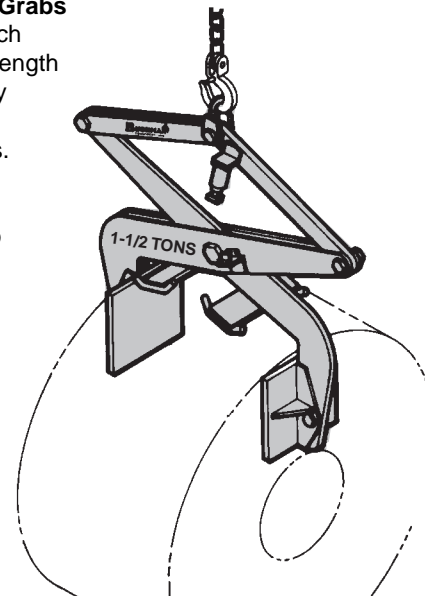
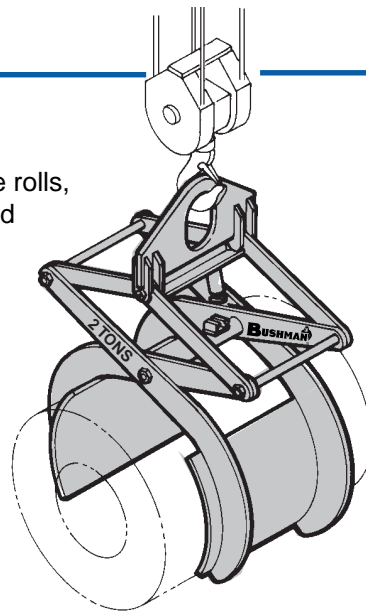
**Model 1029 Tong Grabs** are gripping tongs that pick up by clamping the OD of a roll or cylinder. Coatings are available for the gripping surfaces to protect the load from damage. These tongs come in various capacities to suit each application.

**Model 1070-U Tong Grabs** are pressure tongs designed to handle rolls of a constant length by gripping across the ends of a roll. Non-marring protective coverings are available for the pickup pads. Capacities to two tons and widths to 48 inches are available.

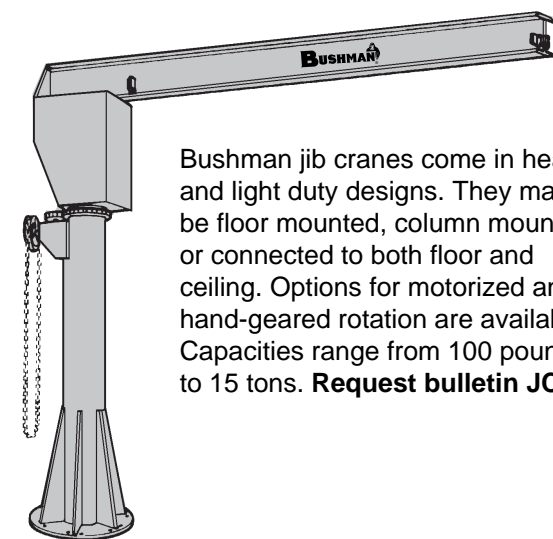


**Model 1529 Double Tong Grabs** are gripping tongs that have two sets of legs rather than one. They are designed to handle longer rolls and shafts. Capacities to 15 tons are available.

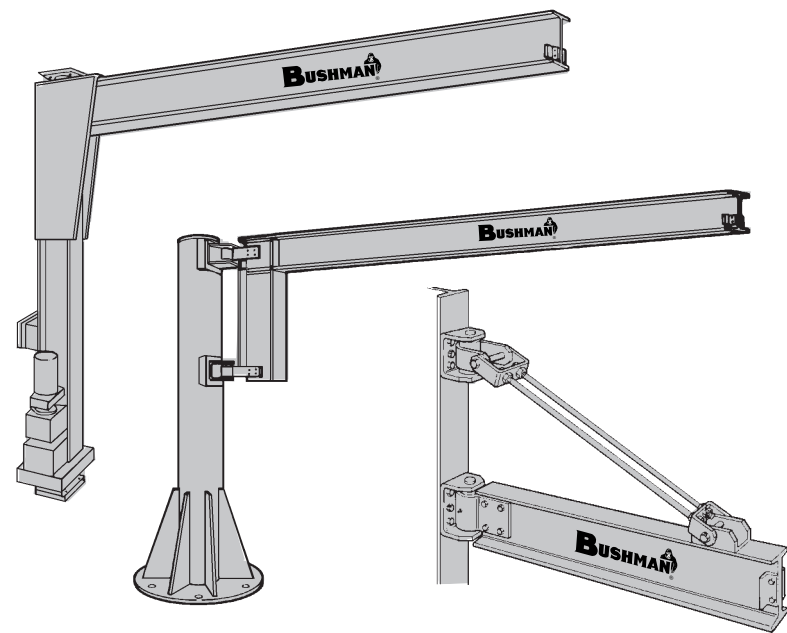
**Model 1070-BB Tong Grabs** are pressure tongs which handle rolls of varying length (up to 25% variation) by gripping across the ends with pivoting pads. Protective covering is available for the pickup pads. Capacities to two tons and widths to 48 inches are available.



## JIB CRANES

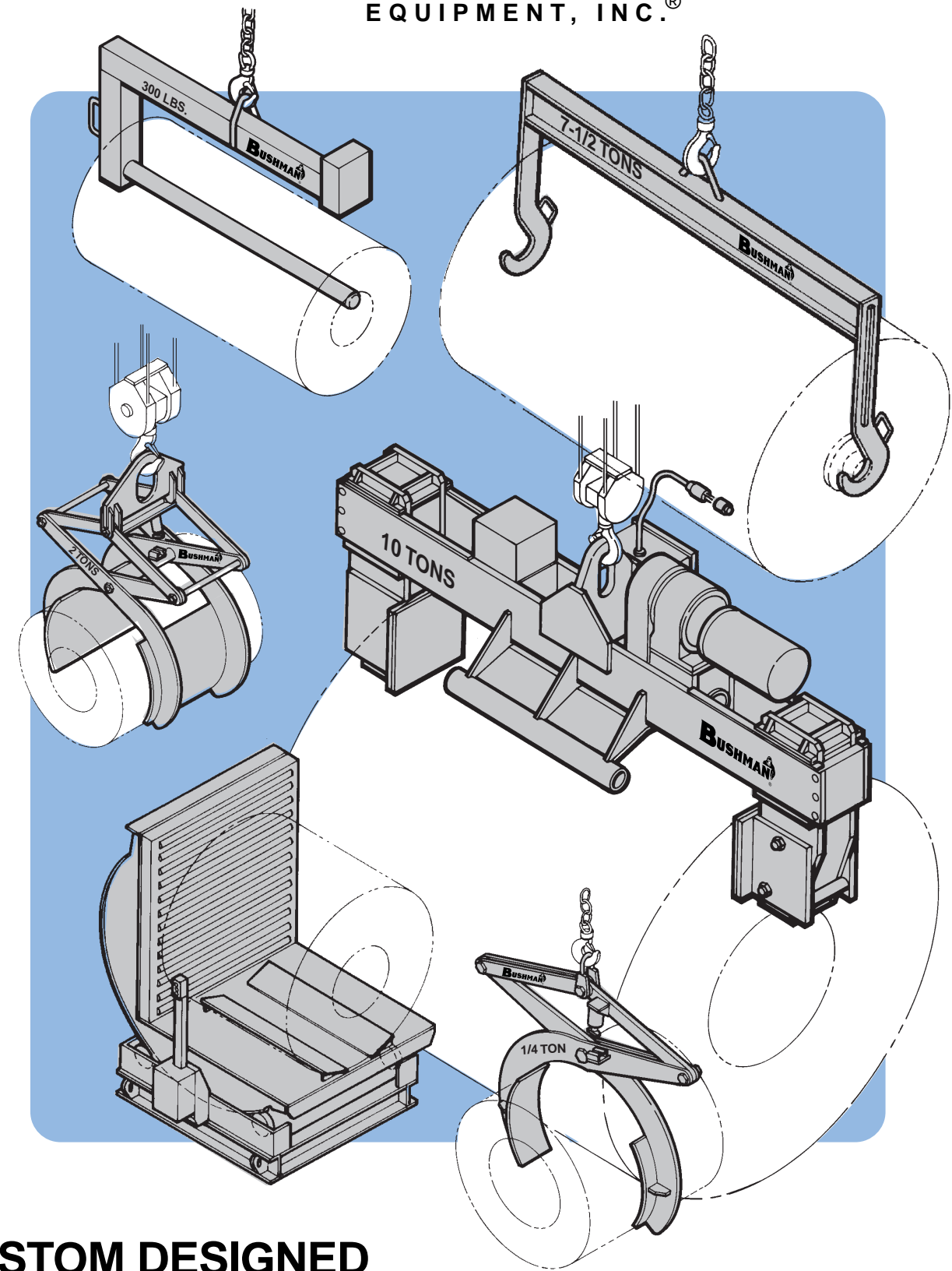


Bushman jib cranes come in heavy and light duty designs. They may be floor mounted, column mounted, or connected to both floor and ceiling. Options for motorized and hand-gear rotation are available. Capacities range from 100 pounds to 15 tons. Request bulletin JC.



Custom Designed Material Handling Solutions

**BUSHMAN**  
EQUIPMENT, INC.®



## CUSTOM DESIGNED ROLL HANDLING EQUIPMENT

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Bulletin RH03



## Your Partner in Designing, Engineering and Manufacturing Material Handling Equipment

Bushman Equipment manufactures a wide variety of custom engineered lifting devices to meet the roll handling needs of the paper and textile industries. This equipment is custom designed to perform a wide variety of operations safely and efficiently while preserving the integrity of even the most fragile roll.

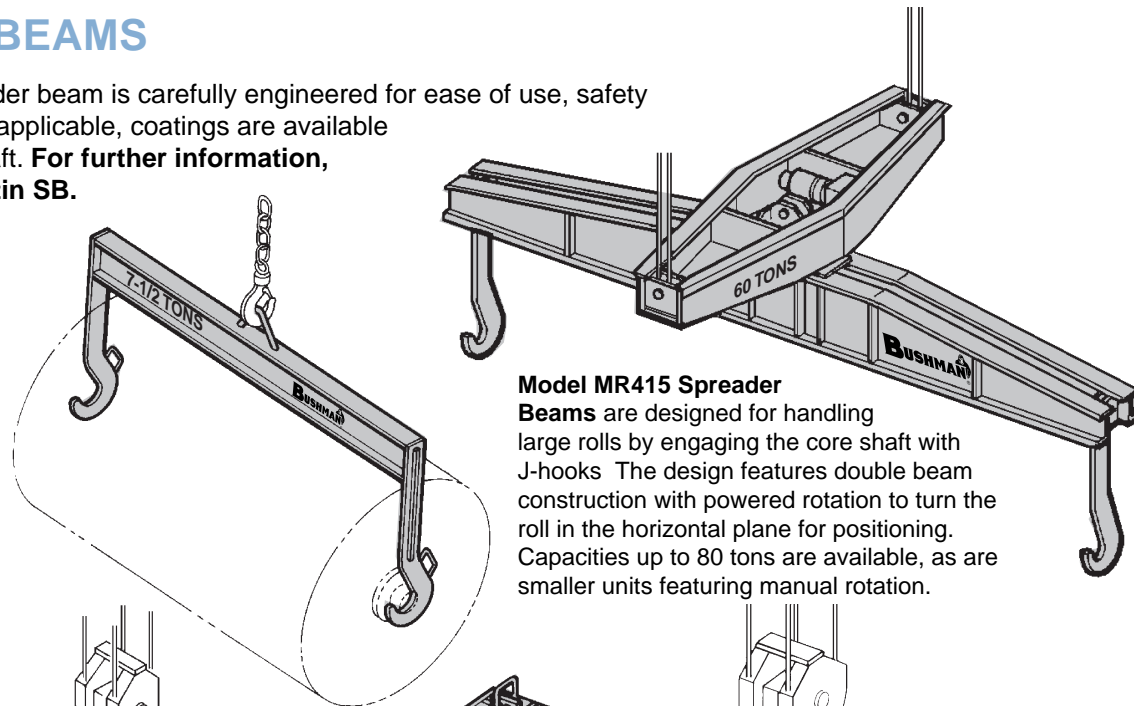
Bushman lifting devices are designed and manufactured to meet or exceed the ASME-ANSI B-30.20 Standard for Below-the-Hook Lifting Devices and are in conformance with the OSHA specifications existing at the time of order.

Certificates of design compliance are furnished upon request, and load testing is available for both new and existing equipment.

### SPREADER BEAMS

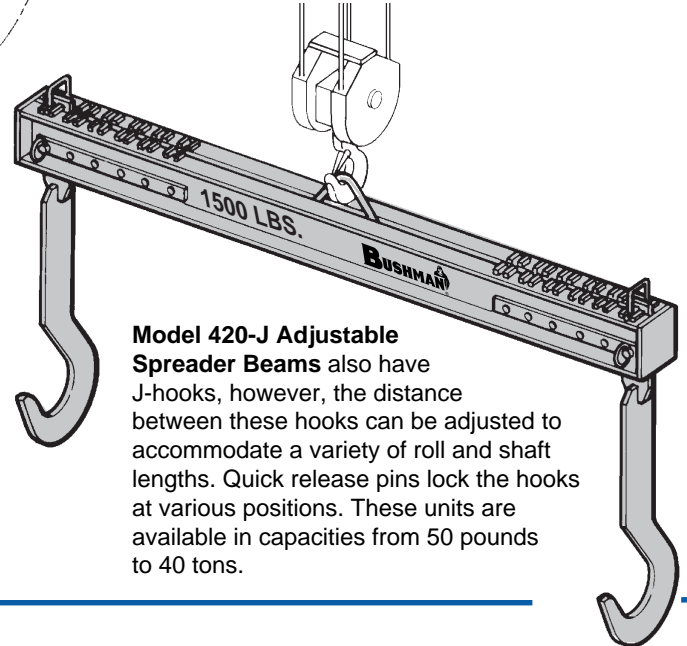
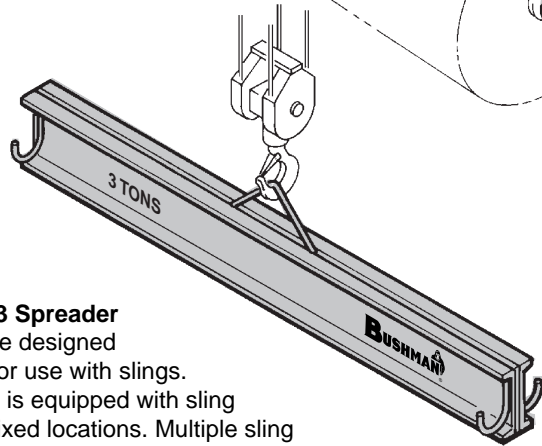
Each Bushman spreader beam is carefully engineered for ease of use, safety and durability. Where applicable, coatings are available to protect the core shaft. **For further information, please request bulletin SB.**

**Model 415 Spreader Beams** have J-hooks which engage a shaft that has been inserted in the core of the roll. Hooks are at a fixed location. Model 415 beams are available with capacities from 50 pounds to 80 tons.



**Model MR415 Spreader Beams** are designed for handling large rolls by engaging the core shaft with J-hooks. The design features double beam construction with powered rotation to turn the roll in the horizontal plane for positioning. Capacities up to 80 tons are available, as are smaller units featuring manual rotation.

**Model 413 Spreader Beams** are designed primarily for use with slings. The beam is equipped with sling hooks at fixed locations. Multiple sling location points are the most common option selected for this beam.

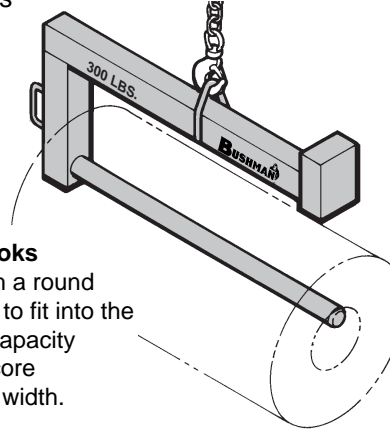


**Model 420-J Adjustable Spreader Beams** also have J-hooks, however, the distance between these hooks can be adjusted to accommodate a variety of roll and shaft lengths. Quick release pins lock the hooks at various positions. These units are available in capacities from 50 pounds to 40 tons.

### C-HOOKS

Featuring designs that provide efficiency, durability and safety, Bushman C-hooks come in a variety of configurations to permit the greatest utility.

**Request bulletin CH.**

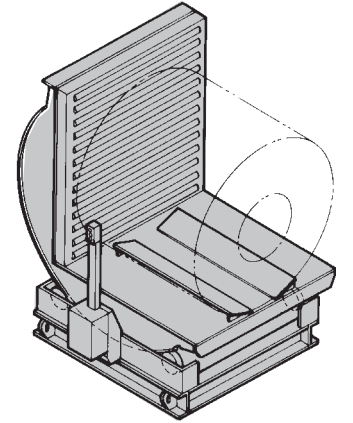


**Model 600 C-Hooks** are furnished with a round carrying member to fit into the core of the roll. Capacity is limited by the core diameter and roll width.

### UPENDERS

Bushman manufactures a complete line of floor-mounted material upending equipment engineered to meet a variety of dimensional, capacity and application requirements. **Request bulletin U.**

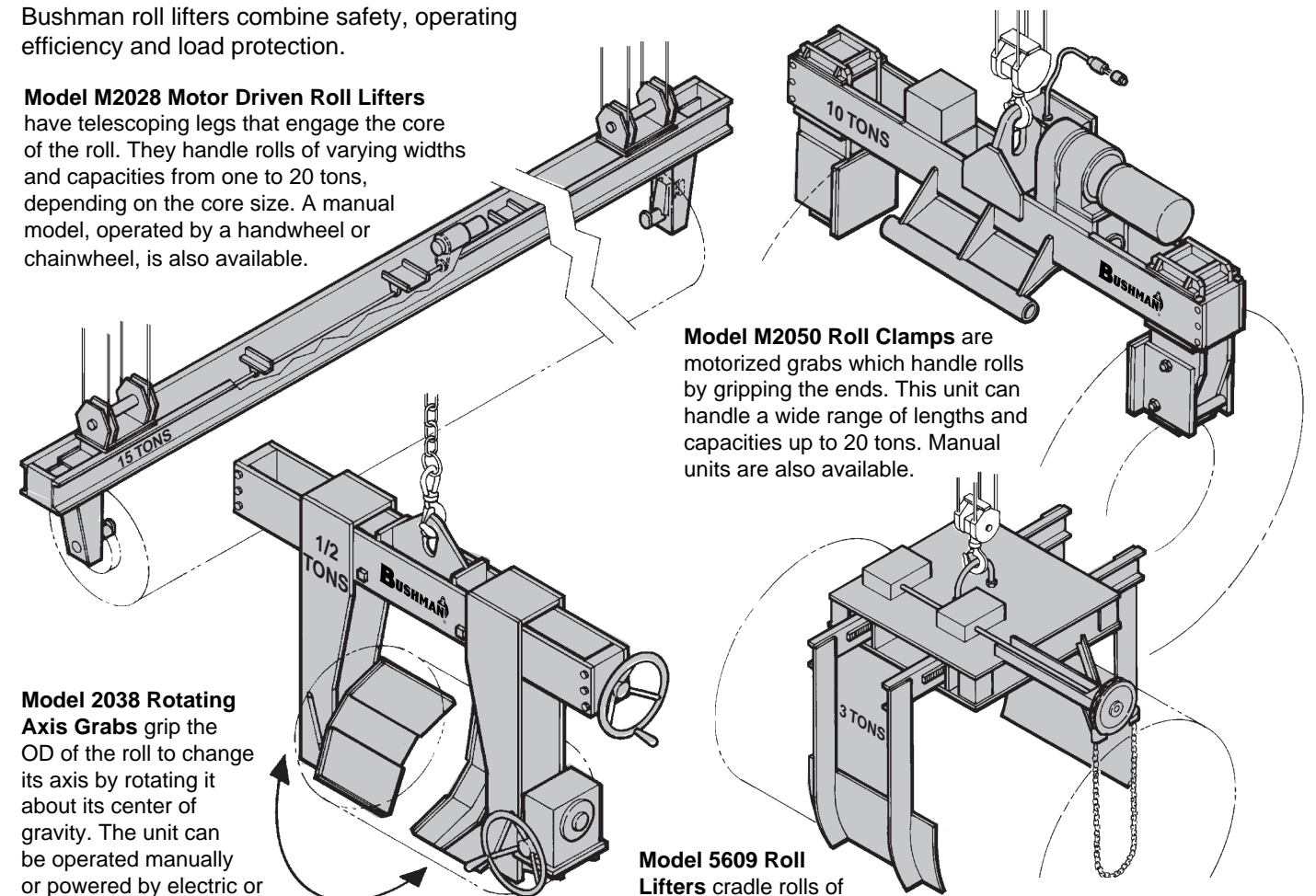
**Model M9604 Upenders** provide a safe and efficient means of upending rolls. Capacities up to 25 tons are available. A variety of options including motorized horizontal rotation and hydraulic drives are available. This unit is shown with an optional V-bed cradle and an optional conveyor discharge. Please consult factory for further information.



### ROLL LIFTERS

Bushman roll lifters combine safety, operating efficiency and load protection.

**Model M2028 Motor Driven Roll Lifters** have telescoping legs that engage the core of the roll. They handle rolls of varying widths and capacities from one to 20 tons, depending on the core size. A manual model, operated by a handwheel or chainwheel, is also available.



**Model M2050 Roll Clamps** are motorized grabs which handle rolls by gripping the ends. This unit can handle a wide range of lengths and capacities up to 20 tons. Manual units are also available.

**Model 2038 Rotating Axis Grabs** grip the OD of the roll to change its axis by rotating it about its center of gravity. The unit can be operated manually or powered by electric or air motors. This unit works best in applications where the roll is packaged, banded or otherwise secured from telescoping.

**Model 5609 Roll Lifters** cradle rolls of varying sizes by gripping them around the OD. Manual units are used to handle smaller loads; motorized units are required for loads which are heavier or have larger diameters. Capacities up to 10 tons are available.

**All Bushman material handling equipment is designed to meet or exceed the requirements of ASME-ANSI Standard B30.20.**