

Automated Multipipe Elevator

Handles long, heavy strings of drillpipe or casing up to 1,250 tons (1,133,981 kg)

Applications

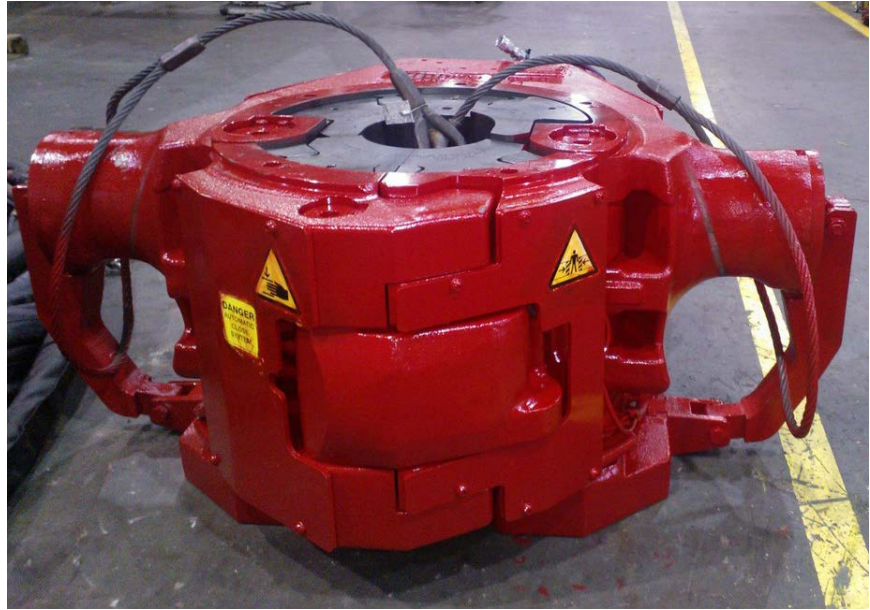
- 5 1/2- to 9 7/8-in. OD landing strings and drillpipe
- 6 5/8-in. 18° and 45° bushings
- 1,000-ton (907,185-kg) or larger bails

Features and Benefits

- The emergency valve located at the rear door can be opened away from the pipe.
- The load sensor is activated by tubular lifting to prevent the elevator from opening during lifting operations.
- Compatibility with the Weatherford integrated safety interlock system prevents the slips and elevator from opening at the same time, which virtually eliminates dropped strings.
- A hydraulic closing signal, or feedback signal, notifies the driller when the elevator is fully closed and latched.

Tool Description

The Blohm + Voss automated multipipe elevator handles long, heavy strings of drillpipe or casing. The design incorporates strength and safety factors in accordance with API section 8C. Replaceable bushing segments and a positive locking mechanism enable easy operation by one person. The bushing segments enable the elevator to grip casing with uniform radial pressure, which provides a safe hold while minimizing the possibility of damage to the pipe. The elevator only operates with hydraulic power bushings.



Designed for strength and safety, the Blohm + Voss automated multipipe elevator has bushing segments that help ensure a secure hold.

Specifications

Load capacity		1,250 tons (1,133,981 kg)
API test load		1,875 tons (1,700,971 kg)
Minimum working pressure		2,030 psi (140 bar)
Maximum allowed pressure		3,046 psi (210 bar)
Required flow rate	minimum	6 gal/min (22 L/min)
	maximum	10 gal/min (37 L/min)
Temperature working range (ambient)		-40°F to 140°F (-40°C to 60°C)
Pipe diameter range on 90° coupling		5-1/2 to 9-7/8 in. (139.7 to 250.8 mm)
Tool weight without bushings		4,960 lb (2,250 kg)
Tool height		24.88 in. (632 mm)
Tool width, ear to ear (outer)		56 in. (1,432 mm)
Tool width, ear to ear (center)		41.34 in. (1,050 mm)
Minimum ear dimensions		8.4 in. (212.5 mm)
Elevator links		5-1/2 to 6-1/2 in.
		1,000 to 1,380 tons (907,185 to 1,251,915 kg)

