

MSS 1500 Spider and Elevator System

One System to handle drill pipe, casing, tubing, and landing strings. Accommodates tapered strings and increased clearances for large OD accessories

Applications

- 5-1/2 to 24.15 in. tubulars
- 1,500-ton load capacity
- 49 1/2-in rotary profile

Features and Benefits

- Extended size range per slip set reduces slip change requirement, especially for tapered strings
- Drilling configuration of the spider accommodates drill through operations for a wide range of drill string sizes with one slip
- Increased clearance provides easy pass-through of large OD tubular accessories and specialty equipment without removing slips
- Integrated guide design protects tubulars from damage
- Multiple bail accommodation eliminates time to swap bails
- Incorporated profile accepts control lines and umbilicals
- Easily integrates with most rig control, safety interlock, and zone management systems without modifications
- Remote operation eliminates the risk of red-zone exposure

Tool Description

The Weatherford MSS 1500 Multi-sized Slips and elevator provides running solutions for loads up to 1,500 tons (1,360,777 kg) of drill string, casing and tubing. The multiple pipe size catch range for each slip set reduces slip change requirements especially for tapered strings. Increased slip clearance allows for the passing of large OD accessories through the slips while maintaining constant tripping speeds. The spider fits inside 49 1/2-in. National, Emsco, Oilwell, and MHWirth rotary profiles. The MSS 1500 slips and elevator feature hydraulic feedback to enhance safety on the drill floor.

Spider and Elevator Specifications

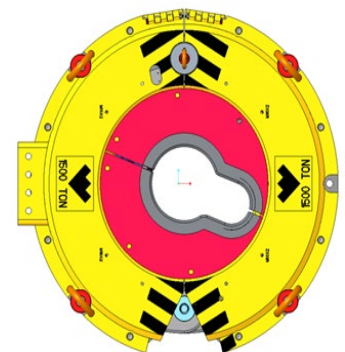
Pipe size range Drill string and Tubulars	5-1/2 to 24.15 in. (139.7 to 613.4 mm)
Clearance beyond pipe size	Up to 7in.
Load Rating	1,500 tons (1,360,777 kg)
Rotary Table Size (Spider)	49-1/2 in. table (1,257.3 mm)
Umbilical slot width	7 in. (177.8 mm)
Bail compatibility (Elevator)	1,500- and 750-ton ear profiles



MSS1500 Elevator with dual ear design compatible with 1,500 and 750-ton ears



MSS1500 Spider with protected slips



MSS1500 Spider with protective umbilical control line slot

