

SafeGuard™ Single-Joint Elevator for Drillpipe and Tubing

Weatherford's *SafeGuard* single-joint elevator (SSJE) is designed to lift single joints of drillpipe or tubing without the potential safety incidents associated with variable-sized-body elevators. Several key features enhance safety by addressing such issues as incorrect latching, safety-pin problems, incorrect selection of blocks, and hinge-pin failures. In addition, the SSJE enhances efficiency in time-critical operations.

The *SafeGuard* single-joint elevator is manufactured and tested to API 8C specifications.



Applications

- Lifting single joints of 3 1/2- to 6 5/8-in. drillpipe with 18° beveled tool-joint contact shoulder
- Lifting single joints of 3 1/2-in. tubing with 12° beveled tool-joint contact shoulder

Features, Advantages and Benefits

- The *SafeGuard* single-joint elevator is double-hinged for easy installation and removal from joints, saving time.
- For operational efficiency, the SSJE is substantially lighter than variable-sized elevators.
- The elevator's design eliminates variable-sized inserts to ensure potentially incorrect sized inserts are not being used for lifting. This advantage avoids safety hazards.
- The size of the elevator is hard-stamped on the tool body, simplifying identification and reducing the potential for dropped objects.
- The tapered contact shoulder optimizes alignment for lifting standard drillpipe and tubing, minimizing damage to pipe during lifting operations.
- The locking pins provide several advantages and benefits:
 - A pin on each side enables left- or right-handed use and it can always be unlatched from the topline of horizontal pipe.
 - Pins cannot be removed, so there is no requirement for secondary retention devices such as chains.
 - The positive-latch mechanism confirms the pins are locked, ensuring safety.



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Specifications

Size (in.)	Tubing/ Drillpipe	Part Number	Contact Shoulder	Load Rating (ton/kg)	Weight (lb/kg)
3-1/2 UIJC	Tubing	1227212	12°	5 5,080	32.2 14.6
3-1/2 EU	Drillpipe	1204918	18°		31 14.1
4 IU		1204919			32.1 14.6
4 EU		1250108			33.7 15.3
4-1/2 IU					
4-1/2 IEU					
4-1/2 EU		1204920			35.5 16.1
5 IEU					
5-1/2 IEU		1203868			36.5 16.6
5-7/8 IEU		1204921			37.9 17.2
6-5/8 IEU		1204922			40.2 18.2

Please refer to operations manual for detailed information on compatible pipe and connection specifics.