

Iron Roughneck

IR-80

Specifications

Torque make-up	60,000 ft-lbs	81,350 Nm
Torque break-out	80,000 ft-lbs	108,465 Nm
Max. spinner speed	100 rpm (5 in DP)	
Horizontal travel	5 ft	1,524 mm
Min. connection height	24 in	610 mm
Max. connection height	63 in	1,600 mm
Length	55-1/8 in	1,400 mm
Width	53-1/8 in	1,350 mm
Height	76-3/4 in	1,950 mm
Weight	8,267 lbs	3,750 kg
Min. pipe diameter	2-7/8 in	73 mm
Max. pipe diameter	8-1/2 in	216 mm
Min. hydraulic pressure	2,500 psi	172 bar
Max. hydraulic pressure	3,000 psi	207 bar
Min. volume/flow	28 gpm	106 l/min
Max. volume/flow	40 gpm	151 l/min
Cycle time make-up	<=40 sec	
Pedestal rotation L/R	>=90 / >=90	
Ambient temperature	-4°F to 131°F	-20°C to +55°C
Ex / haz. zone	IP-Code 15	

Key features

Cost Effective. Highly Compact.

The IR-80 is designed with a compact footprint, making it ideal for space-constrained rig floors across both onshore and offshore operations. Engineered for reliability in harsh environments, including arctic and desert conditions, it delivers consistent performance wherever it is deployed. Flexible configuration options including hydraulic systems, central lubrication, and transport skid solutions ensure easy integration and adaptability to a wide range of rig requirements.

Benefits

- Cycle times down to 34 seconds per connection
- Reduced non-productive time (NPT)
- Interchangeable with common competitor iron roughnecks
- Easy installation and integration
- Field-proven, reliable design
- Component parts easily exchanged for simplified maintenance
- Improved operational safety
- Fully compliant with CE, ATEX