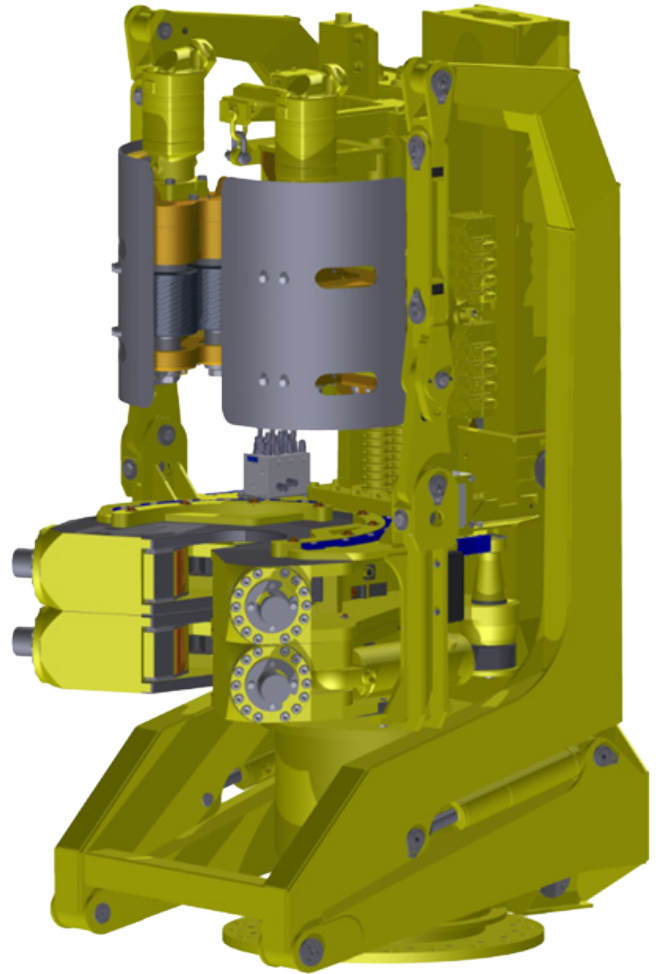


Hydraulic Roughneck

JiM 10-T-P

Cameron's JiM 10-T-P hydraulic roughneck is an advanced system for make up and break out of drillpipe and drill collars, engineered for a tubular range of 3-1/2" to 10". The JiM 10-T-P features a torque wrench in an articulated arm, allowing the torque wrench and spinner assembly to travel from parked position to well center. The elevation system ensures that the JiM 10-T-P is capable of handling a wide range of stick ups with ease and high precision.

The design of JiM 10-T-P delivers a cost-effective, modern hydraulic roughneck in a compact design and advanced control system, making it a safe and sensible choice for today's demanding drilling connections.



Main Features

- Triple-grip torque wrench
- Two MU/BO cylinders to decrease shear force in the connection
- Adjustable clamp pressure
- High-torque spinner
- Adjustable extendable frame
- Handles a wide range of stickup heights
- Compact design

Safety Features

- Automatic makeup and breakout cycles
- No need for manual intervention in operations
- Easy-to-use and intuitive operator interface
- Priority-based alarm system
- Integrated interlocks and messages system

Technical Specifications	SI	Imperial (US)
Diameter range, torque wrench	Ø89 to Ø254 mm	Ø3-1/2" to Ø10" (2-7/8" DP TJ)
Torque capacity make up	135 kN·m	100,000 ft-lb
Torque capacity break out	135 kN·m	100,000 ft-lb
Spinner torque	4700 N·m	3500 ft-lb
Speed range spinning	0 to 100 rpm @ 5" OD	0 to 100 rpm @ 5" OD
Lowest stickup height @ full travel	455 mm	18"
Highest stickup height @ full travel	1643 mm	65"
Reach (C-C)	2412 mm	95"
Torque wrench horizontal travel	1895 mm	74-1/2"
Pedestal slew	180 deg	180 deg
Design temperature minimum/maximum	-20° C to 40° C	-4° F to 104° F
Hydraulic supply (pressure/flow rate)	207 bar/210 L/min	3000 psi/55 gal/min
Weight, base case	4.9 tonnes	5.4 tons
Design	-DNV OS E-101, Cat II (Drilling plant) -NS 3472 (Design of steel structures)	
Classification	Suitable for ATEX Zone 1	
Environment	Highly saliferous and corrosive	
Color	Yellow RAL 1021	

Scope of Supply	Options
JiM 10-T-P	Booster package for 50% increased breakout torque
Service loop	Hydraulic spinner elevation
Interface bracket	Hydraulic drillfloor remote
Electrical control cabinet for safe area	Water jets on spinner
Wireless or wired remote panel (ATEX Zone 1)	Instrumentation for auto-positioning
Slewing pedestal	Integration in driller's chair for remote operation
Pipe profile database	Upgraded control cabinet for hazardous area

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