

Power Swivel

Gulf Coast region

APPLICATIONS

- Land rigs
- Well abandonment

ADVANTAGES

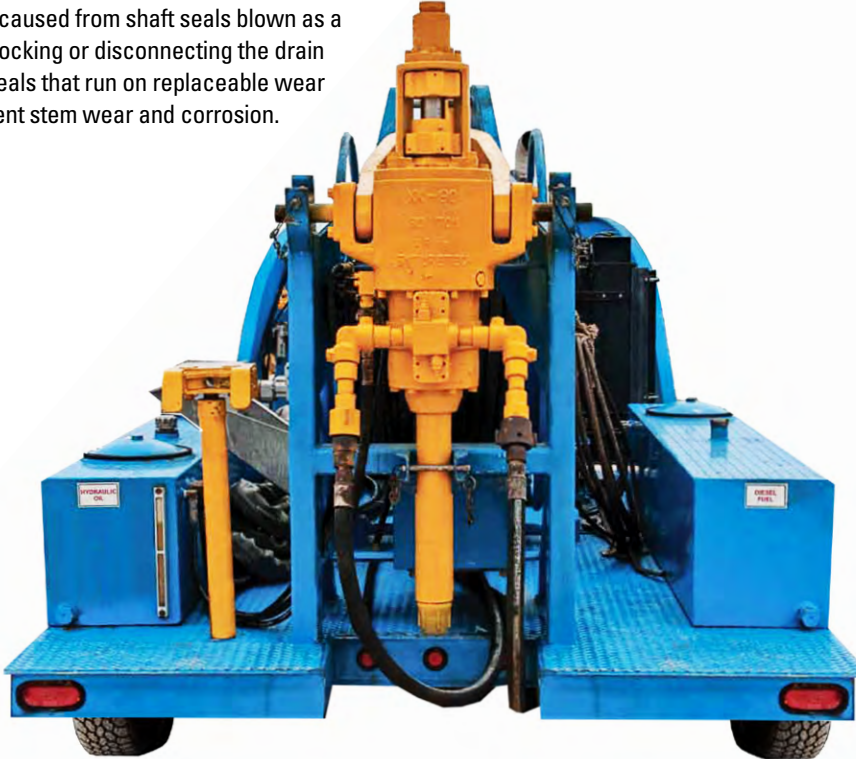
- High-torque, hollow-shaft hydraulic motor
- No gears and four moving parts
- Pressure-lubricated lower stem bearings
- Pressure-greased dual upper stem seals
- Dual upper and lower motor seals

Long life and ease of service

The Schlumberger power swivel is designed to provide smooth, shock-free torque for land rigs and well abandonment operations. Every power swivel has one high-torque, hollow-shaft hydraulic motor that drives the swivel stem directly through a massive lubricated spline. The only moving parts are the motor, stem, bearings, and packing cartridge. Since no gears are used, hydraulic motor speed is as low as swivel speed, which increases life of the power swivel.

Servicing the power swivels is easy because the entire hydraulic motor—including swivel shaft bearing and seals—is removed by simply unbolting it and pulling it off the stem.

Power swivels include a valve that prevents downtime caused from shaft seals blown as a result of blocking or disconnecting the drain hose. All seals that run on replaceable wear rings prevent stem wear and corrosion.



The power swivel's simple design increases the life and makes it easier to service.

Specifications

Max. static load rating, tons	120	85
Max. speed, rpm	150	155
Max. torque, ft.lbf	8,000	3,850
100-rpm load rating, tons	65	45
Max. circulating pressure, psi	5,000	5,000
Stem connection	3½-in IF	2⅞-in IF
Gooseneck connection	3½-in NPT	2½-in NPT
Approximate weight, lbm	2,000	950

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