

# Logan Oil Tools 85-Ton Power Swivel



## FEATURES

- Smooth, shock-free torque reduces drill string damage
- Fits many drilling and workover masts
- Allows use of longer drill string lengths
- Power unit torque limits can be set
- Separate rotary swivel is unnecessary
- Choice of diesel engines
- Increased environmental safety features on skids and trailers
- Easy to service

The newly engineered, hydraulic motor-driven, Logan **120-Ton Power Swivel** provides smooth, shock-free torque. It is rated to support tensile pipe loads of 120 tons at zero rpm and 65 tons of dynamic load at 100 rpm. The compact swivel head design weighs only 2,000 lbs. and fits into many drilling or workover masts. The design incorporates a reliable, custom drive train with hardened steel gears. For most applications, the Logan 120-Ton Power Swivel eliminates the use of dangerous spinning chains, tongs, and kelly spinners. The Power Swivel facilitates drilling with longer drill string lengths before the rig must be shut down to add pipe. Stops and start-ups are thereby reduced —improving rig efficiency and reducing wear on the pump, drawworks, and other rig equipment.

### POWER SWIVEL SPECIFICATIONS

MODEL NO.	PS120
NOMINAL LOAD RATING (tons)	120
DYNAMIC LOAD RATING @ 100 RPM (tons)	65
MAXIMUM TORQUE (ft-lbs)	8,100
MAXIMUM SPEED (rpm)	150
MAXIMUM CIRCULATING PRESSURE	5,000
STANDARD STEM CONNECTION	3-1/2 IF
GOOSENECK CONNECTION	3" LP
SWIVEL HEAD ASSEMBLY WEIGHT (lbs)	2,000

### POWER UNIT & CONTROL SPECIFICATIONS

MODEL NO.	PS120
DIESEL ENGINE *	B6.7
ENGINE CONT HP @ 2000 RPM	240
HYDRAULIC OUTPUT (max gpm/max psi)	89/5,000

\* Choice of Cummins, Caterpillar/Perkins, or John Deere (Tier 3)

**CAUTION:** Before installing a Logan 120-Ton Power Swivel on a rig, refer to the installation procedure in the instruction manual available from Logan Oil Tools. Failure to install the Power Swivel properly can result in injury to the operator.

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