

Top Drives



Up to 300-ton capacity for drilling and service applications

Foremost has been manufacturing hydraulic rotating equipment since the early 1970's. Our designs have continually evolved in response to industry demand beginning with the seismic, mining, and waterwell industries through to the oil and gas industry. Since their introduction, top drive drilling systems have greatly improved drilling efficiency and operator safety.

Foremost designs and manufactures hydraulic and A/C top drives for a variety of applications. The Foremost series of top drives are compact, rugged and powerful and are well suited for a variety of rig designs.

Adaptable to most single and telescoping mast designs, Foremost top drives are available as a basic power swivel or complete top drive system with a variety of options to improve productivity and enhance operator safety.

- Compact • Rugged • Powerful •

General Specifications:*

	100 Ton	150 Ton	300 Ton
Rated Capacity (at quill static)	100 ton	150 ton	300 ton
Rated Capacity (at elevators static)	100 ton	150 ton	300 ton
Pull Down Capacity @ 50 RPM	25 ton	25 ton	20 ton
API Bearing Rating (3,000 hrs @ 100 RPM)	66 ton	150 ton	300 ton
Weight (approx.)	10,000 lbs	10,500 lbs	15,000 lbs
Peak Torque at Stall (breakout)	25,860 ft.lbs	25,860 ft.lbs	34,480 ft.lbs
*Maximum Drill Torque	23,000 ft.lbs	23,000 ft.lbs	31,035 ft.lbs
*Maximum Speed	200 RPM	200 RPM	220 RPM
Gooseneck Connection	3" Fig 1502	3" Fig 1502	3" Fig 1502
Maximum Circulating Pressure	5,000 PSI	5,000 PSI	5,000 PSI
Quill Connection @ Gearbox	6 5/8" API Reg	6 5/8" API Reg	6 5/8" API Reg
Quill ID (optional 4" - 101.6 mm)	3"	3"	3"

*Speeds and Torque are non proportional.

*Consult your Foremost representative for your optimal output configuration



Available with A/C electric drive



Foremost Explorer III-50 equipped with F-100T top drive



FOREMOST

Top Drives

4-6 or 8 Line Split Traveling Block

With available torque arms to retrofit most mast designs.

Motors

Various combinations of fixed or variable displacement hydraulic motors provide a wide range of torques and speeds. Optional AC electric motors available. Consult your Foremost representative for the best setup for your application.

Mud Saver Valve
Hydraulically operated

Mud Swivel
With full 3" thru-bore

Torque Tube Guide
Allows for mounting to tapered or set back masts

Bales

Accomodate various sizes of elevators and feature hydraulic actuation for picking up tubulars from the V-door.

Gear Box

At the heart of the Foremost top drive is a rugged gear box, driven by various hydraulic motor combinations.

Spindle Brake

Allows for positive locking of the spindle while directional drilling.

Optional Hydraulic Power Packs

Diesel or electric powered packages can be customized to suit individual requirements.

Speed & Torque Control

Speed & torque are infinitely variable throughout the operating range.

Back-Up Tong

Facilitates makeup & breakout for 2-3/8"-7" or 2-3/8"-8" tool joints.

Stabbing Bell

Aids in the alignment of tool joints.

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Unless otherwise stated, specifications are for a standard unit and are subject to change without notice. Performance specifications are theoretical maximums and do not include mechanical or other efficiency losses. Actual performance may vary.