

# FLOATING CUSHION SUB MODEL 359150

## Function

The floating cushion sub performs two important functions; it provides a means of making up and breaking out threaded connections on casing and drill pipe without loading the flanks of the threads and it also prolongs bearing and gear life in the top drive rotary box.

## Operation

By incorporating a certain amount of axial movement below the drill's rotary drive spindle, the sliding spindle of the cushion sub will allow the threads of the mating drill string components to float together or apart during rotation without any axial movement of the rotary head. Urethane cushions utilized at the upper and lower ends of the floating spindle absorb the shock transmitted by the bit and also reduce the impact on the rotary drive bearings and gear box assembly.

## Performance

The allowable movement of the sliding spindle decreases the impact on the rotary drive when the two mating threads are stabbed together and it also decreases the load on the flanks of the threads of the mating components.

## Application

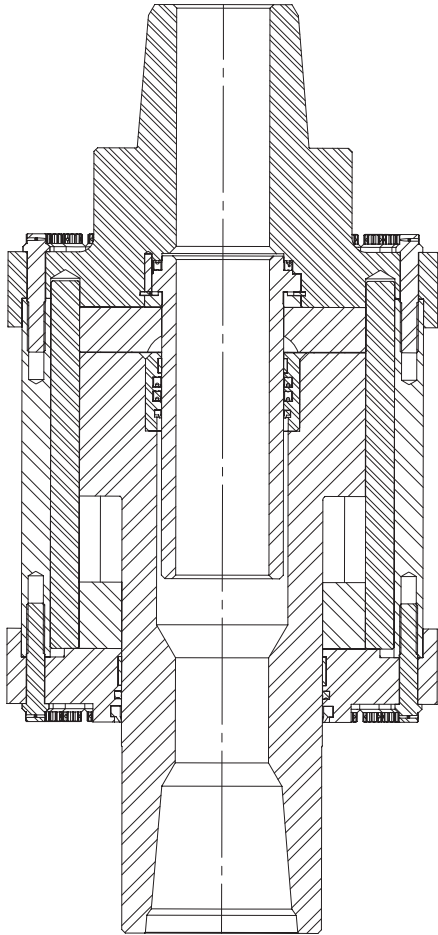
The Model 359150 is utilized in both slant hole and vertical drilling operations where the rig is equipped with a top drive rotary gear box.

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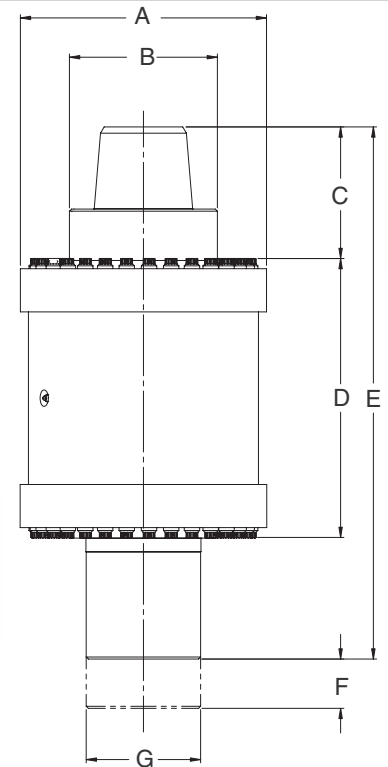
## SPECIFICATIONS

Hoist	300,000 lbs.
Pulldown	300,000 lbs.
Torque	35,000 ft. lbs.
Stroke	3.00 inch
Weight	850 lbs.

## DIMENSIONS

A	15.00
B (max.)	9.75
C	7.12
D	17.00
E	31.50
F (ext.)	3.00
G (max.)	7.00

Dimensions shown in inches



## FEATURES

- Splined drive assembly
- Floating Spindle
- Upper and lower cushions
- Accessible lubrication fitting
- Protective surfaces on wear parts
- Standard seals and guide rings

## BENEFITS

- Direct torque transfer
- Reduction in thread damage
- Shock and vibration is minimized
- Component life is extended
- Minimum maintenance requirements

## ORDERING INFORMATION

- Drill make and model
- Thread type and size
- Spindle and pipe diameter
- Breakout flat details
- Thread configuration (Pin x Box)

## Foremost Industries LP

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