SHIELD
Low-Pressure

SHIELD PRESSURE CONTROL®

ROTATING CONTROL DEVICE

ADS Services rotating control devices have been designed to help operators overcome the challenges of drilling in extreme environments with confidence.

The low pressure rotating control device is a proven design tested under field conditions. It has been designed to help operators overcome the challenges of drilling in extreme environments with confidence.

From the seal element geometry to the housing material selection, all components of the SHIELD Low-Pressure RCD's ensure the safety of the rig crew by creating a leak free seal between the annulus and the drill pipe. The seal allows the operator to safely divert fluid returns during drilling and stripping operations.

The bearing design and internal dynamic seals extend the life of the sealing element(s) allowing for fewer bearing assembly change outs therefore reducing Non-Productive Time (NPT).

The triple segment clamp mechanism with safety latch allows for quick bearing assembly installation. The clamp actuating piston is remotely operated and removes the requirement for rig personnel in hazardous zones.

TECHNICAL OVERVIEW:

- Built to API standards
- 500 psi dynamic rating
- 1000 psi static rating
- Sealed bearing
- Rotation speeds up to 200 RPM
- Remote operated clamp with locking pin assembly
- 13 5/8'' 5000 psi lower flange
- 7 1/16'' x 3000 psi side outlet flange

APPLICATIONS:

- Drilling Safely with a Closed System

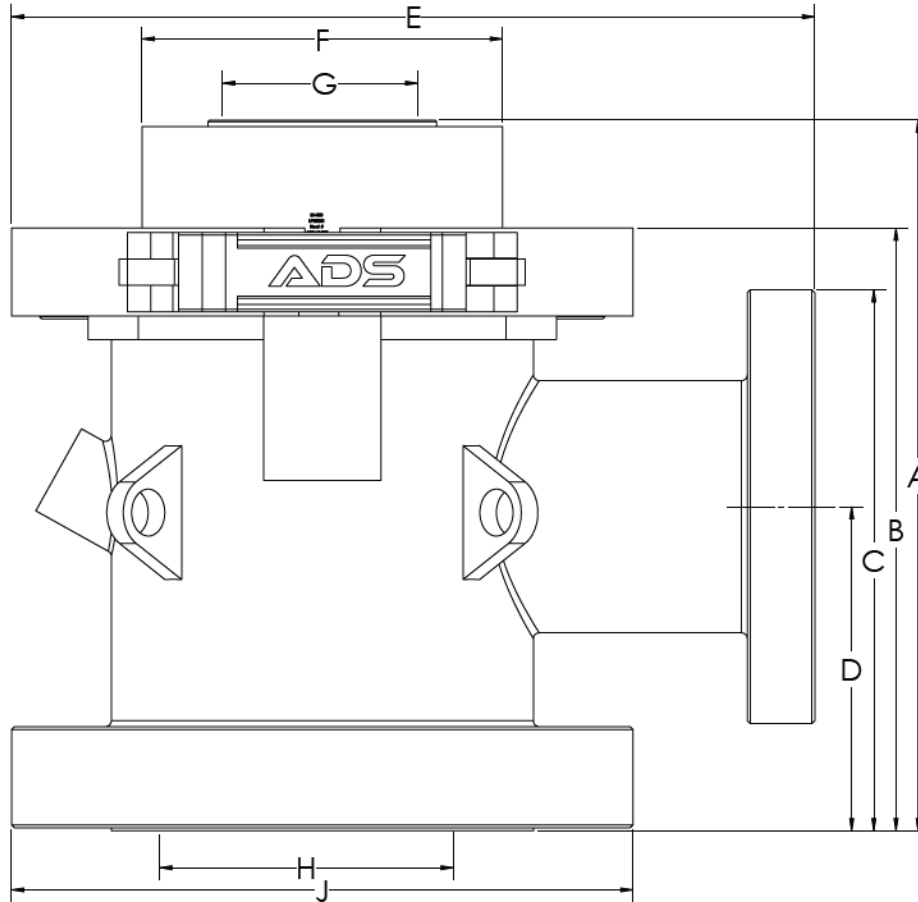### OPTIONS AND ACCESSORIES:

- Extensions below lower flange
- Single element materials;
  Rubber, NBR, HNBR, Urethane
- 2 inch inlet for equalization
- Logging Adaptors
- Drill Nipple
- Casing Stripper

ADS SERVICES

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ROTATING CONTROL DEVICE

Dimensions (in.)

A	30.29
B	23.94
C	23.06
D	13.81
E	34.25
F	17.40
G	8.07
H	13.63
J	26.50
Weight	1,350 lbs
Bearing with Element	500 lbs