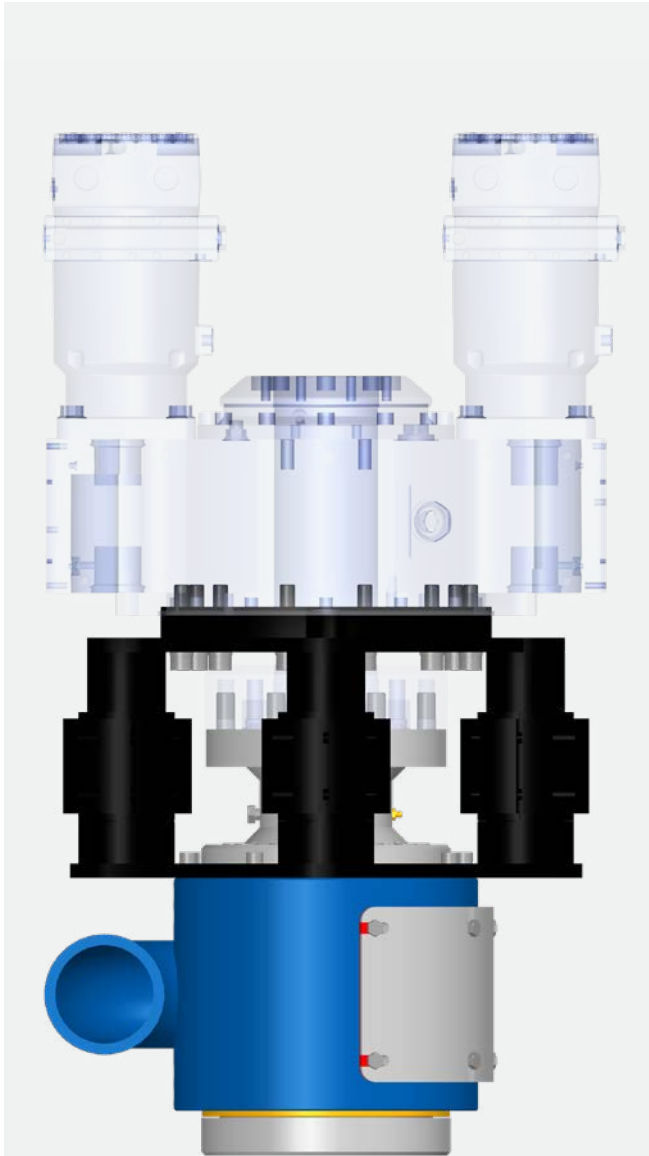




ROTARY DISCHARGE PREVENTER / DIVERTER FOR ROTARY CASINGS

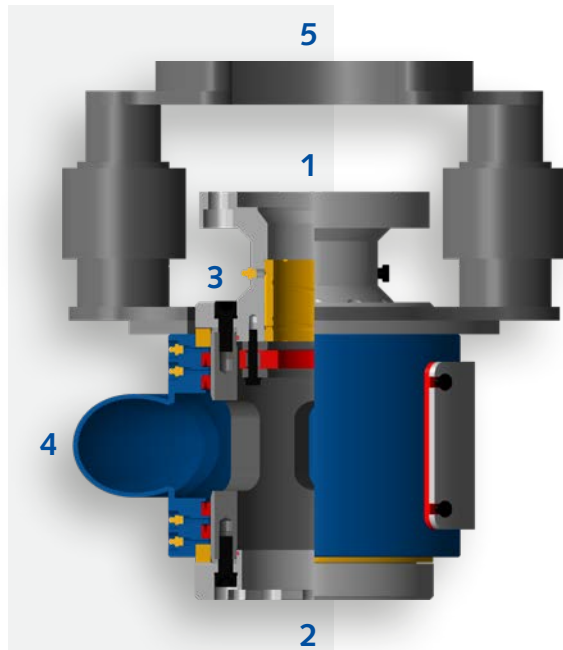


The function of the rotary discharge preventer is to transfer the torque of the rotary head unit to the rotary casings whilst simultaneously providing controlled discharge of the drilled cuttings i.e. contamination control.

The flushing media that is directed through the flushing head and the drill strings to the toe of the borehole, returns together with the drilled cuttings up the drill string and is ejected and directed, with the aid of the discharge preventer, into a settlement tank.

The size of the external casing and the intended application (single rotary head or double head) will define the type and model of discharge preventer / diverter to be used.

DISCHARGE PREVENTER / DIVERTER

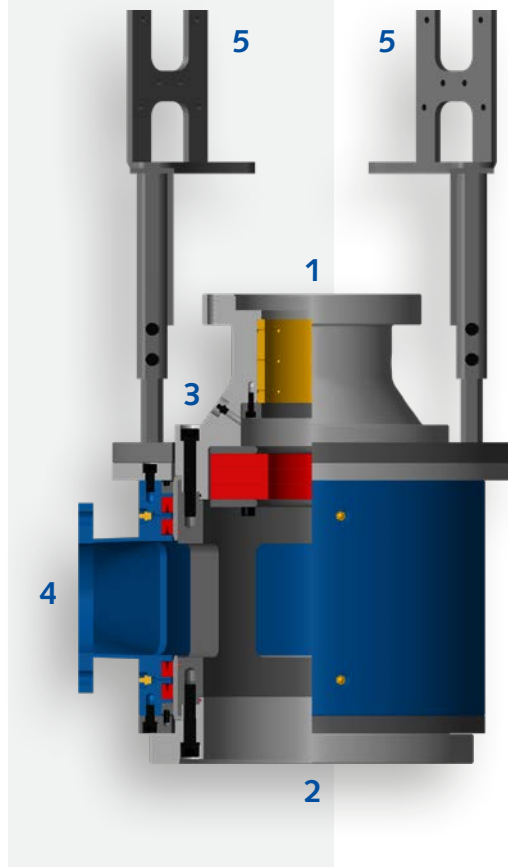


DISCHARGE PREVENTER / DIVERTER D 230 DOUBLE HEAD

The D 230 is intended to be used for outer casing sizes of D 114.3 mm (4-1/2") up to D 219.1 mm (8-5/8"). A maximum torque of 12.5 kNm, maximum allowable retraction force of 12 tonnes with a maximum 50 RPM rounds off this model.

Discharge preventer / diverter D 230 consisting of:

- 1 Double flange connection to rotary head unit
- 2 Casing drive flange for casings D 114.3 mm – D 219.1 mm (D 4-1/2" – D 8-5/8")
- 3 Guide bushing for balancing rods with D 60 mm – D 110 mm (D 2-23/64" – D 4-21/64")
- 4 Connection to discharge hose in different configurations (Putzmeister, Perrot, DIN-flange etc.)
- 5 Traverse / holder to match rotary head unit

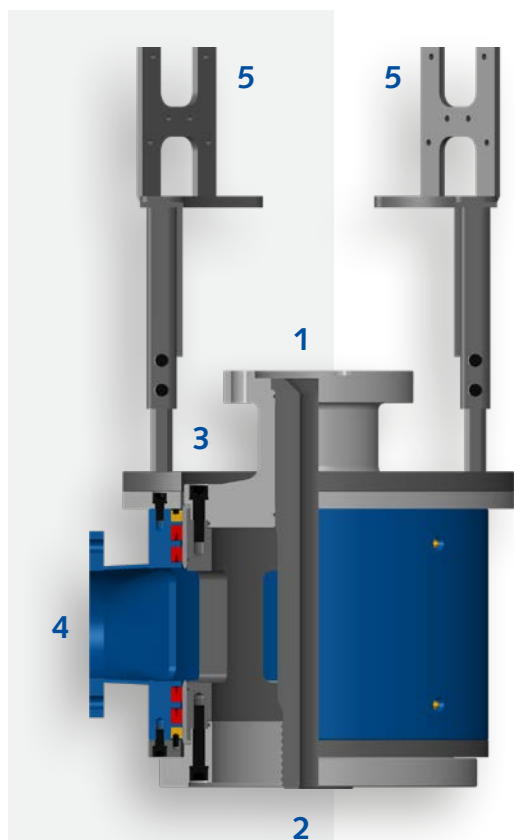


DISCHARGE PREVENTER / DIVERTER D 365 DOUBLE HEAD

The D 365 is intended to be used for outer casing sizes of D 219.1 mm (8-5/8") up to D 323.9 mm (12-3/4"). A maximum torque of 50 kNm, maximum allowable retraction force of 40 tonnes with a maximum 50 RPM rounds off this model.

Discharge preventer / diverter D 365 consisting of:

- 1 Double flange connection to rotary head unit
- 2 Casing drive flange for casings D 219.1 mm – D 323.9 mm (D 8-5/8" – D 12-3/4")
- 3 Guide bushing for balancing rods with D 60 mm – D 110 mm (D 3-1/2" – D 4-27/32")
- 4 Connection to discharge hose in different configurations (Putzmeister, Perrot, DIN-flange etc.)
- 5 Traverse / holder to match rotary head unit

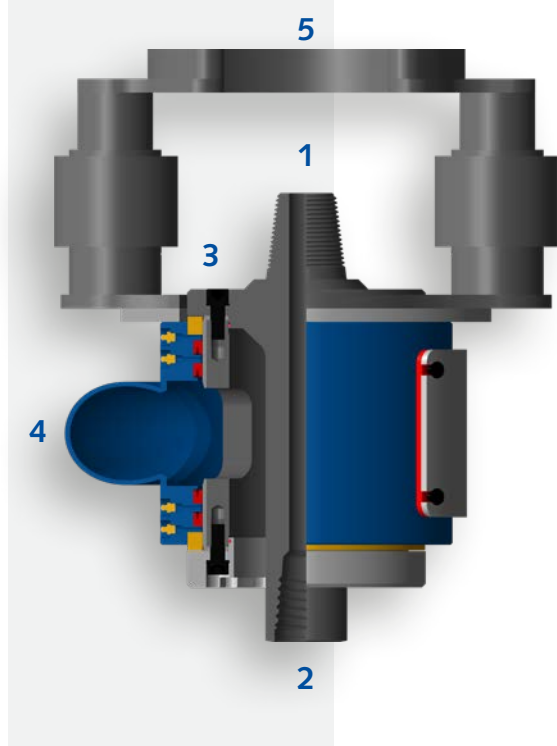


DISCHARGE PREVENTER / DIVERTER DUPLEX SINGLE HEAD WITH PIN-AND-SOCKET CONNECTOR

The discharge preventer / diverter Duplex is a variant to be used with a single rotary head unit with flange connection. In this configuration, the adaptor / balancing rod for the inner drill rods is connected to the double flange with a pin-and-socket connection system.

Discharge preventer / diverter consisting of:

- 1 Double flange connection to rotary head unit
- 2 Casing drive flange for the outer casings
- 3 Adaptor / balancing rod to connection for the inner rods
- 4 Connection to discharge hose in different configurations (Putzmeister, Perrot, DIN-flange etc.)
- 5 Traverse / holder to match rotary head unit

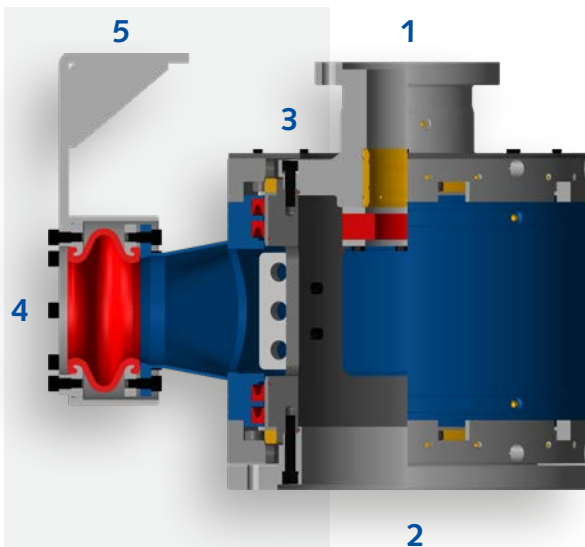


DISCHARGE PREVENTER / DIVERTER DUPLEX SINGLE HEAD WITH THREAD CONNECTION

The discharge preventer / diverter Duplex is a variant to be used with a single rotary head unit with threaded connection. In this configuration, the adaptor / balancing rod for the inner drill rods is connected to the diverter with bolts.

Discharge preventer / diverter consisting of:

- 1 Threaded connection to rotary head unit
- 2 Casing drive flange for the outer casings
- 3 Adaptor / balancing rod to connection for the inner rods
- 4 Connection to discharge hose in different configurations (Putzmeister, Perrot, DIN-flange etc.)
- 5 Traverse / holder to match rotary head unit

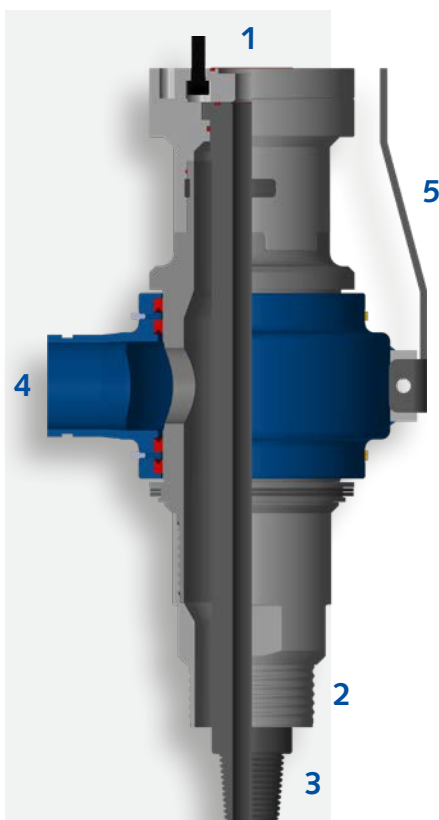


DISCHARGE PREVENTER / DIVERTER D 440 DOUBLE HEAD

The D 440 is intended to be used for outer casing sizes of D 323.9 mm (12-3/4") up to D 508 (20"). A maximum torque of 110 kNm, maximum allowable retraction force of 60 tonnes with a maximum 25 RPM rounds off this model.

Discharge preventer / diverter D 440 consisting of:

- 1 Double flange connection to rotary head unit
- 2 Casing drive flange for casings
D 323.9 mm – D 508 mm (D 12-3/4" – D 20")
- 3 Guide bushing for balancing rods with
D 105 mm – D 150 mm (D 4-9/64" – D 5-29/32")
- 4 Connection to discharge hose in different configurations
(DIN-flange etc.)
- 5 Traverse / holder to match rotary head unit



DISCHARGE PREVENTER / DIVERTER DUPLEX SINGLE HEAD WITH PIN-AND-SOCKET CONNECTOR

The discharge preventer / diverter Duplex is a variant to be used with a single rotary head unit with flange connection. In this configuration, the components are easily interchangeable due to the pin-and-socket connections.

Discharge preventer / diverter Duplex consisting of:

- 1 Double flange connection to rotary head unit
- 2 Adaptor to connection for the outer casings
- 3 Adaptor / balancing rod to connection for the inner rods
- 4 Connection to discharge hose in different configurations (Putzmeister, Perrot, DIN-flange etc.)
- 5 Traverse / holder to match rotary head unit

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