



- 1 Hub
- 2 Cylinder
- 3 Pressure plate
- 4 Outer plate
- 5 Inner plate
- 6 Pressure spring
- 7 Inner seal
- 8 Outer seal
- 9 Piston
- 10 Pressure plate
- 11 Anti-torsion bolt
- 12 Bearing
- 13 Bearing
- 14 Circlip
- 15 Circlip
- 16 Circlip
- 17 Housing

Seals fitted with lithium grease

**Function**

Connection of hydraulic fluid is located at the cylinder (2), which is connected by means of bearing (12) with the hub (1) and thus is stationary. When fluid is supplied, the piston (9) pushes the pressure plate (10) against the plate pack (4/5) via the bearing (13) the plate pack is retained by the pressure plate (3) and circlip (16). A frictional connection between the hub (1) and housing (17) is produced. When pressure is removed, the pressure plate is pushed back with the bearing and the piston into the cylinder by means of the pressure springs (6).

Torque is determined by operating pressure. It is recommendable to use a pressure monitoring device for protection of the clutch. Operating pressure must be set to the value stated in the drawing, since otherwise the service-life of the bearings will be reduced. Wear is automatically compensated.

**Installation**

The clutch must be fitted on the shaft without hammering to avoid damage of the bearings. The pressure connection must be of flexible design and must be secured against torsion, whereby the cylinder must not be exposed to tension.

**Dismantling**

Withdraw the clutch from the shaft for changing the plate pack. Remove circlip (16) and replace worn-out plate pack including pressure plate (3). The order of assembly of inner and outer plates must be observed.

When changing seals make sure that anti-torsion bolt (11) engages in a spring hole.

**Spares**

Designation of spares can be seen in the illustration. When ordering spares please always state the fabrication number stamped on the exterior of the housing. Orders for spares should always be made in writing or by telex, in order to avoid incorrect deliveries.

