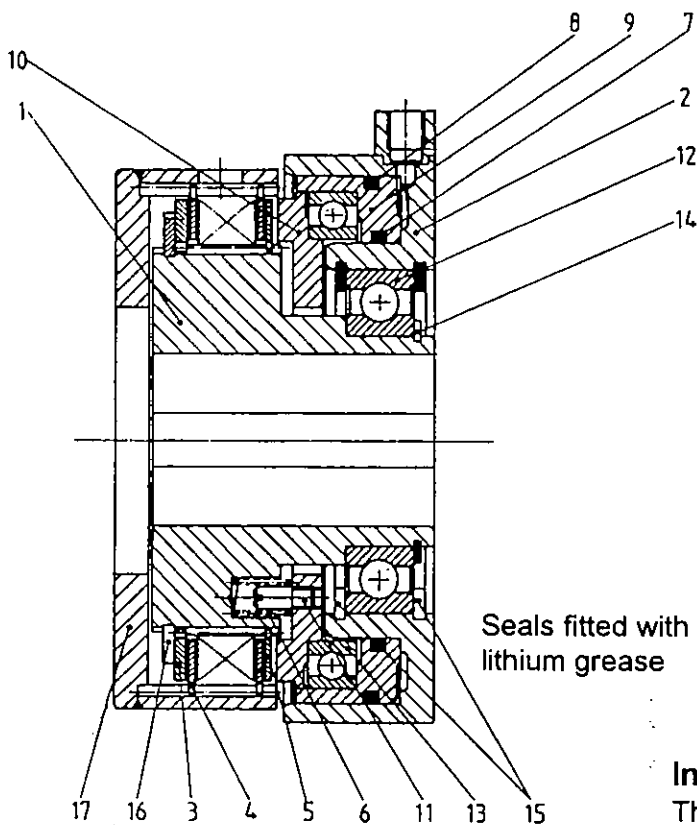


Technical Product Information No. 681

**Pneumatically actuated multi-plate clutch
with stationary cylinder
for dry-running
Series 0-521**

Edition: 01.1999

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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
12/13	Bearing
14/15/16	Circlip
17	Housing

Function

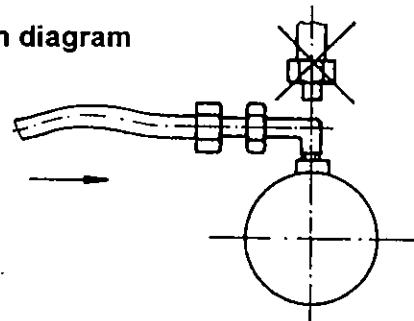
Connection for compressed-air is located at the cylinder (2), which is connected by means of bearing (12) with the hub (1) and thus is stationary. When fluid is supplied, the piston (9) pushes the pressure plate (10) against the plate pack (4/5) via the bearing (13) the plate pack is retained by the 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. The bearings are "lifelong lubricated".

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.

Connection diagram



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.

Spare parts

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