IMPORTANT

Please read these instructions carefully before installing and operating the product. Your particular attention is drawn to the notes on safety.

These installation and operating instructions are valid on condition that the product meets the selection criteria for its proper use. Selection and design of the product is not the subject of these installation and operating instructions.

Disregarding or misinterpreting these installation and operating instructions invalidates any product liability or guarantee; the same applies if the product is taken apart or changed.

These installation and operating instructions should be kept in a safe place and should accompany the product if it is passed on to others -either on its own or as part of a machine- to make it accessible to the user.

SAFETY NOTICE

- Installation and operation of this product should only be carried out by skilled personnel.

- Repairs may only be carried out by the manufacturer or accredited agents.

- If a malfunction is indicated, the product or the machine into which it is installed, should be stopped immediately and either we or an accredited agent should be informed.

- Switch off the power supply before commencing work on electrical components.

- Rotating machine elements must be protected by the purchaser to prevent accidental contact.

- Supplies abroad are subject to the safety laws prevailing in those countries.
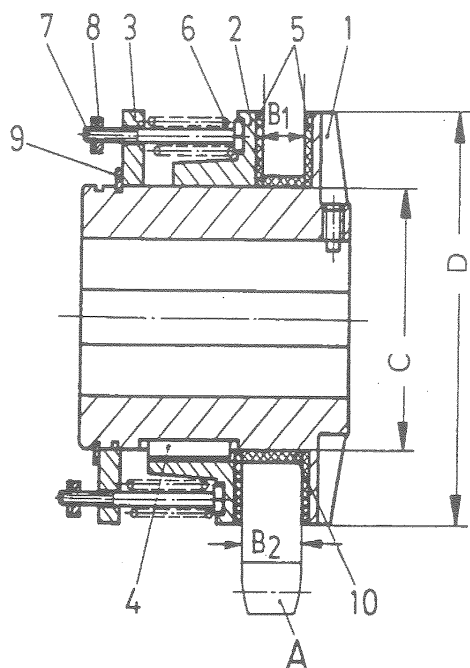
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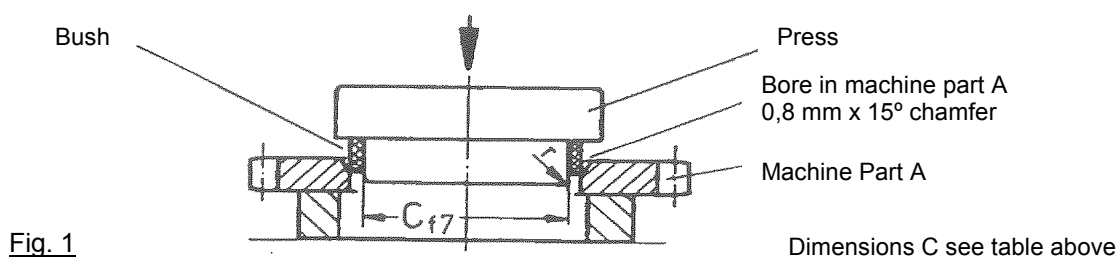office@edmayr.at   www.edmayr.at

A	Machine Part
1	Hub
2	Pressure ring
3	Spring Holder
4	Key
5	Friction Lining
6	Spring
7	Hexagon head screw
8	Hexagon nut
9	Guard ring
10	Bush

Type RS + RSC	No. of springs	D mm	C mm	B_1 mm	B_2 mm	Operating key for Part 7 or 8
125	30	125	80	15,3	23	Button die of tools * 2741.011.601 / SW 10
160	30	160	100	15,3	28	Button die of tools * 2741.015.602 / SW 13
200	30	200	125	23	34	Socket wrench for hexagon nut M 8
250	30	250	160	28	41	Socket wrench for hexagon nut M 10

* we are Supplier

1. Insertion of Machine Part A

If a bush 10 is to be used, then it is recommended that this be done with the aid of a press acc. to fig. 1

Bush

Press

Bore in machine part A
0,8 mm x 15º chamfer

Machine Part A

Fig. 1

C_{f7}

Dimensions C see table above

Pressing the bush into the machine part A using a press (lightly oil the bore of the machine part). All of the springs 6 are made inactive by tightening the nuts on the screws.

Attention!   Guard ring 9 not to dislodge from the hub 1 before the springs inactive. Spring holder 3 and pressure ring 2 to draw off. Key 4 and front friction lining 5 to be taken off. Machine part A can now be fitted.

2. Lubrication

With the type using the bush no other lubrication is required.

3. Running In

Constant operating torque can be guaranteed if the torque limiter with blockaded machine part A has done slip rotations according to table below.
The "running in" is not necessary when the torque limiter was supplied with machine part A and torque set us.

Type RS + RSC	Active springs	Driving speed	Driving time
125.1 + 160.1	30	60 min^{-1}	0,5 min
125.2	30	30 min^{-1}	0,5 min
160.2	30	25 min^{-1}	0,5 min
200.1	30	25 min^{-1}	0,8 min
200.2	15	25 min^{-1}	0,8 min
250.1	20	25 min^{-1}	1,0 min
250.2	10	25 min^{-1}	1,0 min

4. Setting of Torque

After running let the torque limiter cool down. It is not necessary to dismount the parts. The torque limiters are always equipped by 30 springs 6, which are taken on hexagon head screws 7. The torque is determined by the number of thrust springs to be in function. Springs are to be stopped by tightening the nut 8 which is fitted at the screw end, and hereby the springs are made inactive. The number of springs which are in function for a determined torque, are shown in the diagram bedside.

A more accurate setting of the torque is possible by using a lever (see fig. 2). This is connected with the machine part A, on which weights can be hung.
With the torque limiter running slowly, the lever has to be brought into balance by adjusting the weight and the calculating the transmissible torque.
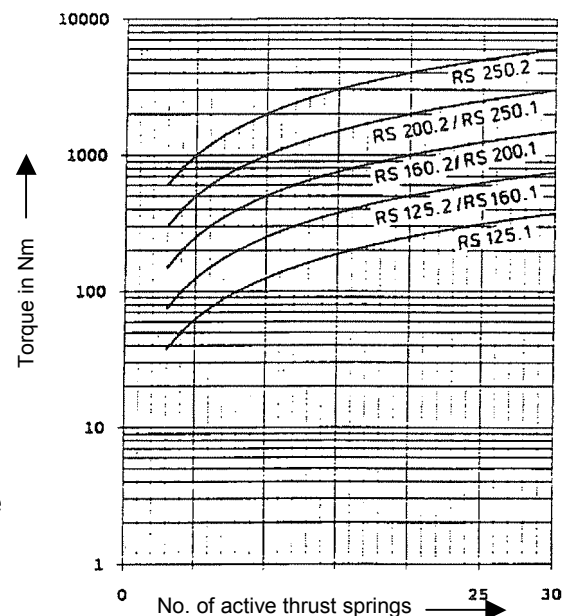
$$M = L \cdot 9{,}81 \, (P + 0{,}5 \, G)$$

    M = Required torque in [Nm]
    L = Lever length in [m]
    P = Weight in [kg]
    G = Lever weight in [kg]

Only with symmetrically mounted spring balanced arrangements are possible.
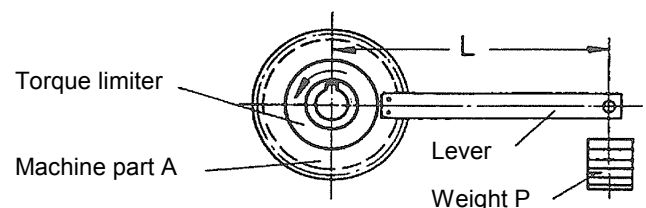

Fig.2