Supplement to Installation and Operational Instructions B.4.14.EN for clamping ring hub design (B.4.14.3.EN)

Please read these Operational Instructions carefully and follow them accordingly!
Ignoring these Instructions may lead to malfunctions or to clutch failure, resulting in damage to other parts.

These supplement must only be used together with the **Installation and Operational Instructions B.4.14.EN** for **EAS®-compact®** clutches
If necessary, you are welcome to **download** the **B.4.14.EN** instructions from our Internet portal **www.mayr.com**, or place a request for postal delivery.

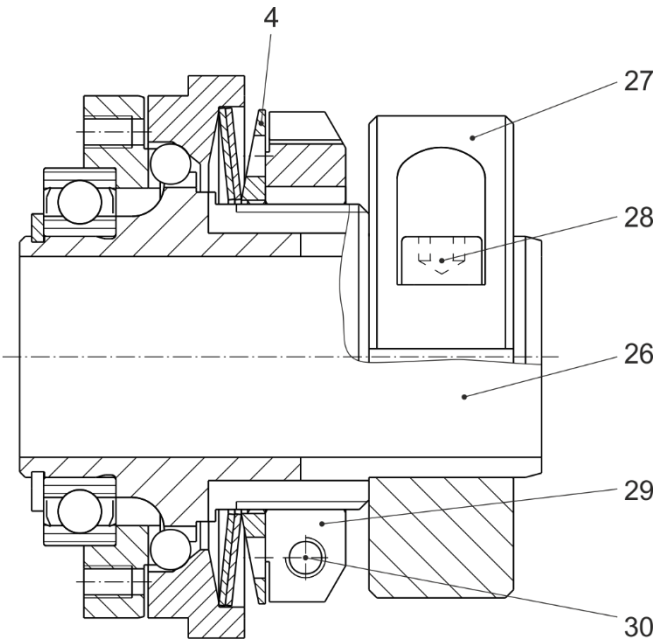

Fig. 1

Parts List

(See Parts List B.4.14.EN for parts which are not listed here)

Item	Name
4	Locking ring
26	Hub for clamping ring (slotted)
27	Clamping ring
28	Cap screw for clamping ring
29	Adjusting nut with radial clamping
30	Cap screw for adjusting nut

Mounting onto the Shaft

- ❒ The clamping ring hub (26) force is transmitted via frictional locking.
- ❒ The contact surfaces between the clamping ring (27) and the hub (26) are greased manufacturer-side.
- ❒ The shafts must not have a keyway.
- ❒ Shaft surface:
  finely turned or ground (R_a = 0.8 µm)
- ❒ Shaft material:
  yield point at least 400 N/mm^2,
  e.g. C45 +QT, 42CrMoS4 +QT
- ❒ Degrease or remove conserving layers on the shaft and bore before installing the clutch.
  Greasy or oily bores or shafts do not transmit the clutch torque indicated on order.
- ❒ Hub (26), clamping ring (27) and adjusting nut (29) must be completely relaxed. If necessary, loosen the cap screws (Items 28 and 30).
- ❒ Mount the clutch or clutch hub onto the shaft using a suitable device and bring it into the correct position.
- ❒ Tighten the cap screws (Items 28 and 30) using a torque wrench to the torque stated in Table 1.

Changing the Torque (Sizes 01 – 3)

a) Please convert the required torque using the formula below into percent of the maximum adjustment value (see B.4.14.EN).

$$\frac{\text{Required torque adjustment}}{\text{Max. torque adjustment (acc. B.4.14.EN)}} \times 100 = \text{Adjustment in \%}$$

b) Loosen the locking screw (30) in the adjusting nut (29).

c) Turn the adjusting nut (29) using the adjustment scale engraved on the circumference clockwise or anti-clockwise using a hook wrench until the required torque is reached.

d) The required torque results from the marking overlap on the locking ring (4) and the percent value on the adjusting nut (29).

e) Paint the cap screw (30) with Loctite 243 and screw it into the adjusting nut (29) as protection against twisting (using the torque acc. Table 1).

Table 1

EAS®-compact	Size	01	0	1	2	3
Tightening torque Cap screw **(Item 28)**	[Nm]	16	40	79	135	220
Tightening torque Cap screw **(Item 30)**	[Nm]	3	5	9.5	9.5	23

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