ASSEMBLY INSTRUCTIONS FOR
AXIALLY-ASSEMBLED INTERNAL RETAINING RINGS
DIN 472 / DIN 984 / JV / JL / SB
2000-5000 / 2008-5008 / 2001-5001

During assembly, the ring undergoes very high pressures. In order to avoid any possible permanent deformation, the closing of the ring should be limited. The use of loading tapers and proper pliers provided with stop and return screw is highly recommended, as they can assure a minimum and gradual closing of the retaining ring.

![Diagram of retaining ring assembly](image)

1- Pressure sleeve
2- Taper
3- Centering
4- Groove

The axial load bearing capacity of the ring is maximum in the conditions shown in Figure 1, which is with a sharp edge. In case of a chamfered support "g" (Figure 2), the capacity decreases in relation to this value. In this case, gripping can be improved by inserting a support washer type DIN 988 (Figure 3).

![Figure 1: Diagram of retaining ring assembly](image)

**Figure 1**

![Figure 2: Diagram of retaining ring assembly with chamfered support](image)

**Figure 2**

![Figure 3: Diagram of retaining ring assembly with support washer](image)

**Figure 3**

a- Ring DIN 472
b- Support washers DIN 988