If the rear thrust ring does not automatically release, the screws have to be turned out by a few threads. Light tapping against the screw heads causes the rear thrust ring to spring backwards.

Should the front thrust ring jam, it is released in a similar way. The marked screws (washer) are removed from the pullout threads of the front thrust ring. The front thrust ring can be released and a Locking Assembly which may be deep in the hub bore can be removed by corresponding screws.

Locking Assembly RfN 7012-IN. Part description.

1 rear thrust ring
2 outer ring, slit
3 inner ring, slit
4 front thrust ring
5 washer
6 locking screw
Installation and removal instructions

Locking Assembly RfN 7012 / RfN 7012-IN, standard and stainless steel

Installation

Since the force is transmitted by contact pressure and friction between functional surfaces, condition of contact surfaces and proper tightening of the locking screws are of great importance.

1. All contact surfaces, including screw threads and screw head bearing surfaces, must be clean and slightly oiled. In this condition, the shaft, hub and Locking Assemblies are to be assembled. (Do not use Molybdenum Disulphide!)

2. Tighten locking screws lightly and align hub.

3. Tighten screws evenly in diametrically opposite sequence and do this in two or three stages up to the indicated tightening torque $T_A$.

4. Re-check tightening torque by applying it to all screws all the way around. If all screws have reached the max. tightening torque $T_A$, the assembly is completed.

Removal

RINGFEDER® Locking Assemblies RfN 7012 are self-releasing. The taper of the individual rings is such that the inner and outer rings spring apart when the pressure is reduced by loosening the screws.

The washers under marked screws protect the auxiliary (removal) threads against damage; these washers must be replaced after having been used several times.

If force is needed to extract a Locking Assembly that has already been loosened (e.g. if the Locking Assembly has to be pushed against the weight of a heavy hub), any type of removal device may be used, but the screws must only be loosened and not screwed out too far. Thus a removal device can be used, provided the forces applied are kept low.

The auxiliary threads have only about 3-5 effective threads and are not cut right through. Do not use these holes for jack screws.

A previously used locking device may be reused only after visual inspection for surface damage and being thoroughly cleaned and re-lubricated!
Alle technischen Daten und Hinweise sind unverbindlich. Rechtsansprüche können daraus nicht abgeleitet werden. Der Anwender ist grundsätzlich verpflichtet zu prüfen, ob die dargestellten Produkte seinen Anforderungen genügen. Änderungen, die dem technischen Fortschritt dienen, behalten wir uns jederzeit vor. Mit Erscheinen dieses Kataloges werden alle älteren Prospekte und Fragebögen zu den gezeigten Produkten ungültig.

Check out the respective catalogue for further technical details

All technical details and information is non-binding and cannot be used as a basis for legal claims. The user is obligated to determine whether the represented products meet his requirements. We reserve the right at all times to carry out modifications in the interests of technical progress. Upon the issue of this catalogue all previous brochures and questionnaires on the products displayed are no longer valid.

RINGFEDER POWER TRANSMISSION GMBH
Werner-Heisenberg-Straße 18, D-64823 Groß-Umstadt, Germany · Phone: +49 (0) 6078 9385-0 · Fax: +49 (0) 6078 9385-100
E-mail: sales.international@ringfeder.com · E-mail: sales.international@gerwah.com

RINGFEDER POWER TRANSMISSION USA CORPORATION
165 Carver Avenue, P.O. Box 691 Westwood, NJ 07675, USA · Toll Free: +1 888 746-4333 · Phone: +1 201 666 3320
Fax: +1 201 664 6053 · E-mail: sales.usa@ringfeder.com · E-mail: sales.usa@gerwah.com

RINGFEDER POWER TRANSMISSION INDIA PRIVATE LIMITED
Plot No. 4, Door No. 220, Mount - Poonamallee Road, Kattupakkam, Chennai – 600 056, India
Phone: +91 (0) 44-2679-1411 · Fax: +91 (0) 44-2679-1422 · E-mail: sales.india@ringfeder.com · E-mail: sales.india@gerwah.com

KUNSHAN RINGFEDER POWER TRANSMISSION COMPANY LIMITED
German Industry Park, No. 508 Hengguanjing Road, Zhangpu Town 215321, Kunshan City, PR. China
Phone: +86 (0) 512-5745-3960 · Fax: +86 (0) 512-5745-3961 · E-mail sales.china@ringfeder.com