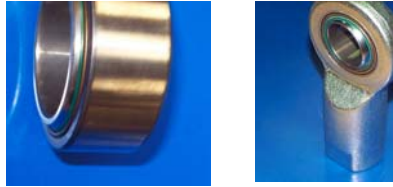


**SKF Spherical Plain Bearings / New Generation TX-Series.**

**Plain Bearing Information**



**Improved PTFE-fabric bearings, series TX. Change announcement.**

After intensive R&D activities SKF Gleitlager GmbH is now presenting a new generation of **high-performing, maintenance-free Spherical Plain Bearings and Rod Ends** with PTFE-fabric liner. Designed as premium products they are prepared to create customer value and new business.

The so-called **series "TX"** are coming with a sliding layer that offers substantially improved wear resistance and load carrying capability. Thus, the load ratings could be raised by 33%.

Also previously used 2RS polymer seals will be replaced by the lately developed **2LS-heavy-duty seals** for sizes size 25 to 120 mm.

Series TX will substitute the current specification. The bearings are exchangeable in existing customer applications without any modifications of the adjacent parts.

**Designation:** an "X" will be added to the suffix indicating the new sliding liner

Standard series:

GE 25...90 TE-2RS	GE 25...90 <b>TXE-2LS</b>
GE 100...120 TA-2RS	GE 100...120 <b>TXA-2LS</b>
GE 140...300 TA-2RS	GE 140...300 <b>TXA-2RS *</b>

\* No 2LS seals available, 2RS remain

Stainless steel series:

GE 12...20 TGR	GE 12...20 <b>TXG3E *</b>
GE 25...60 TGR	GE 25...60 <b>TXG3E-2LS **</b>
GE 70...90 TG3A	GE 70...90 <b>TXG3A-2LS **</b>
GE 100...120 TG3A-2RS	GE 100...120 <b>TXG3A-2LS</b>
GE 140...200 TG3A-2RS	GE 140...200 <b>TXG3A-2RS ***</b>

\* Seals not possible

\*\* Newly sealed

\*\*\* No 2LS seals available, 2RS remain

# SKF Gleitlager GmbH

Rod ends:

SI(L) 35...70 TE-2RS	SI(L) 35...70 TXE-2LS
SI(L)A 40...60 TE-2RS	SI(L)A 40...60 TXE-2LS

SA(L) 35...70 TE-2RS	SA(L) 35...70 TXE-2LS
SA(L)A 40...60 TE-2RS	SA(L)A 40...60 TXE-2LS

## Changes:

1. The present sliding material will be replaced by the new TX-liner (referred to as "PTFE-fabric liner Type B" on drawings for non-standard products. For standard products the general wording "PTFE-fabric" remains, but the designation suffix indicates the use of the new material).
2. Present 2RS seals will be replaced by 2LS seals, sizes 25...120 mm, check availability list.
3. Un-sealed stainless steel sizes 25...120 mm will be delivered with 2LS seals upon availability, check availability list.
4. Dynamic and static load ratings will be raised by both 33%. New specific load factors  $k = 200 \text{ N/mm}^2$  and  $k_0 = 400 \text{ N/mm}^2$ . New load ratings will be published in a separate product brochure (under preparation) and in the plain bearing catalogue on occasion of a re-print.
5. The internal radial clearance will be set to 0...50  $\mu\text{m}$ , sizes 12 to 300 mm, no more frictional torque specified.
6. A new service life formula will be published.
7. The permissible operation range will be enlarged (modification of the pv-diagram).
8. The recommendation for the shaft tolerance will be changed from k6 to j6, but existing k6 shafts might still be used.