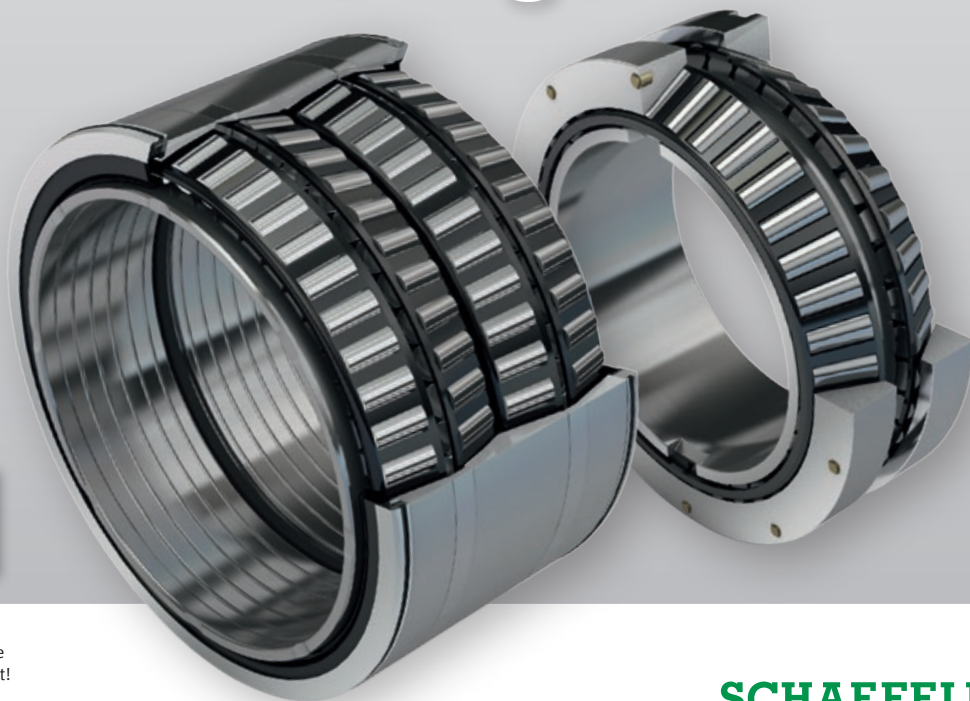


PERFORMANCE SERIES  
FOR ROLLING MILLS

**FAG**

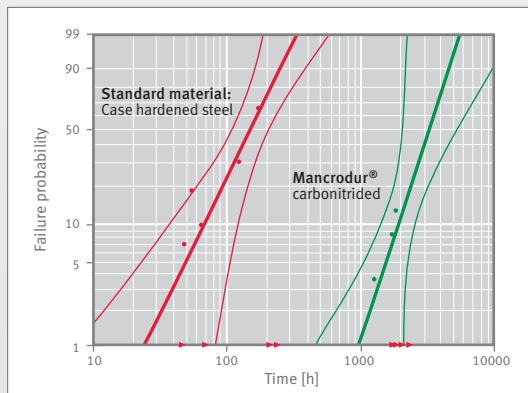
# FAG Multi-Row Tapered Roller Bearings



Take an interactive  
look at the product!

**SCHAEFFLER**

# New Mancrodur® carbonitrided steel significantly increases the performance of tapered roller bearings



## Increased performance and reduced wear

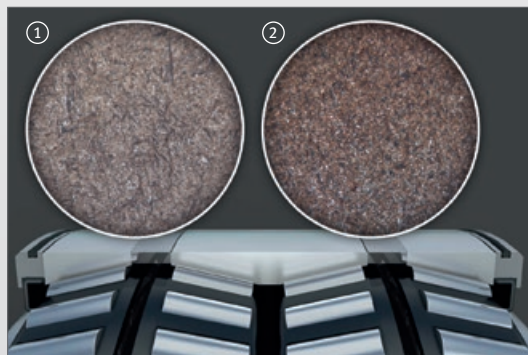
The new Mancrodur® carbonitrided steel ensures a significant increase in the operating life of FAG multi-row tapered roller bearings. The X-life quality and seal are two elements with which the performance of bearings can be further increased according to requirements.

## Carbonitriding

This is a special heat treatment process in which the surface layer of the bearing rings is enriched with carbon and nitrogen. The bearings thus offer a higher resistance to wear and higher surface hardness.

## Customer benefits

- Longer operating life in the case of particle overrolling and mixed friction
- Increased fatigue life under favorable lubrication conditions



- ① Carbon only: Coarse-grained carbide distribution; long acicular carbides embedded along the grain boundary increase the risk of cracks.
- ② Carbonitrided (carbon and nitrogen): Fine distribution of carbonitrides; produces an even structure and improved resistance to cracks.