



## SKF 11208 TN9

### Self-aligning ball bearing with extended inner ring

Self-aligning ball bearings, with extended inner ring, have two rows of balls, a common sphered raceway in the outer ring and two deep uninterrupted raceway grooves in the inner ring. They are insensitive to angular misalignment of the shaft relative to the housing. The extended inner ring enables use of commercial grade shafting and axially location on the shaft by means of a slot at one end of the inner ring.

## Technical specifications

Bore type	Cylindrical
<b>Dimensions</b>	
Bore diameter	40 mm
Outside diameter	80 mm
Width	56 mm
Width outer ring	18 mm
Shoulder diameter inner ring	54 mm
Shoulder diameter outer ring	67.5 mm
Chamfer dimension	1.1 mm
<b>Abutment dimensions</b>	
Abutment diameter housing	73 mm
Fillet radius	1.1 mm
<b>Calculation data</b>	
Basic dynamic load rating	19 kN
Basic static load rating	6.55 kN
Fatigue load limit	0.335 kN
Limiting speed	5000 r/min
Permissible angular misalignment	2.5 °
Calculation factor	0.04
Limiting value	0.22
Calculation factor	2.8
Calculation factor	2.9
Calculation factor	4.5
<b>Performance</b>	
Basic dynamic load rating	19 kN
Basic static load rating	6.55 kN
Reference speed	13000 r/min
Limiting speed	5000 r/min
<b>Properties</b>	
Retaining feature, inner ring	Locating slot
Locating feature, bearing outer ring	Without
Number of rows	2
Bore type	Cylindrical
Cage	Non-metallic
Radial internal clearance	CN
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	2.5 kg CO <sub>2</sub>

<b>Logistics</b>	
Product net weight	0.691 kg
eClass code	23-05-08-06
UNSPSC code	31171532

SKF drawings

