



SKF 29252

Spherical roller thrust bearing with machined metal cage

Spherical roller thrust bearings accommodate very heavy axial and considerable radial loads. They have the highest load rating of all thrust bearings, enabling compact, high power density bearing arrangements. By combining two or more spherical roller thrust bearings, it is possible to create a bearing arrangement that is either self-aligning, allowing misalignment of the shaft, or very stiff.

Technical specifications

Dimensions	
Bore diameter	260 mm
Outside diameter	360 mm
Height	60 mm
Outside diameter of shaft washer end side face	350 mm
Shoulder diameter outer ring	302 mm
Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a machined cage)	19 mm
Height shaft washer + cage	57 mm
Height housing washer	30 mm
Distance from shaft washer end side face to pressure point	139 mm
Chamfer dimension shaft washer	2.1 mm

Abutment dimensions	
Diameter of shaft abutment	310 mm
Diameter of housing abutment	326 mm
Fillet radius	2 mm

Calculation data	
Basic dynamic load rating	817 kN
Basic static load rating	3650 kN
Fatigue load limit	345 kN
Reference speed	1100 r/min
Limiting speed	1700 r/min
Minimum axial load factor	1.3

Performance	
Basic dynamic load rating	817 kN
Basic static load rating	3650 kN
Reference speed	1100 r/min
Limiting speed	1700 r/min

Properties	
Locating feature, housing washer	None
Bore type	Cylindrical
Cage	Machined brass
Tolerance class	Normal
Candidate for remanufacturing	Yes
Indicative carbon footprint for new product	65.5 kg CO ₂
Indicative carbon footprint for remanufactured product	22.9 kg CO ₂

Logistics	
Product net weight	18.2 kg
eClass code	23-05-11-03
UNSPSC code	31171507

SKF drawings

