



SKF 29436 E

Spherical roller thrust bearing with stamped steel 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	180 mm
Outside diameter	360 mm
Height	109 mm
Outside diameter of shaft washer end side face	315 mm
Shoulder diameter outer ring	250 mm
Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a stamped steel cage)	69.5 mm
Height shaft washer + cage	96.4 mm
Height housing washer	53 mm
Distance from shaft washer end side face to pressure point	110 mm
Chamfer dimension shaft washer	5 mm

Abutment dimensions	
Diameter of shaft abutment	265 mm
Abutment diameter of spacer ring	196 mm
Outside diameter of spacer ring	210 mm
Diameter of housing abutment	304 mm
Fillet radius	4 mm

Calculation data	
Basic dynamic load rating	2600 kN
Basic static load rating	7350 kN
Fatigue load limit	710 kN
Reference speed	1000 r/min
Limiting speed	1800 r/min
Minimum axial load factor	5.1

Performance	
Basic dynamic load rating	2600 kN
Basic static load rating	7350 kN
Reference speed	1000 r/min
Limiting speed	1800 r/min
SKF performance class	SKF Explorer

Properties	
Locating feature, housing washer	None
Bore type	Cylindrical
Cage	Sheet metal
Tolerance class	Normal
Candidate for remanufacturing	Yes
Indicative carbon footprint for new product	166 kg CO ₂
Indicative carbon footprint for remanufactured product	58 kg CO ₂

Logistics	
Product net weight	46 kg
eClass code	23-05-11-03
UNSPSC code	31171507

SKF drawings

