



SKF 29388 EM

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	440 mm
Outside diameter	680 mm
Height	145 mm
Outside diameter of shaft washer end side face	626 mm
Shoulder diameter outer ring	540 mm
Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a machined cage)	49 mm
Height shaft washer + cage	140 mm
Height housing washer	70.5 mm
Distance from shaft washer end side face to pressure point	249 mm
Chamfer dimension shaft washer	6 mm

Abutment dimensions	
Diameter of shaft abutment	560 mm
Diameter of housing abutment	605 mm
Fillet radius	5 mm

Calculation data	
Basic dynamic load rating	5200 kN
Basic static load rating	19300 kN
Fatigue load limit	1560 kN
Reference speed	530 r/min
Limiting speed	850 r/min
Minimum axial load factor	34

Performance	
Basic dynamic load rating	5200 kN
Basic static load rating	19300 kN
Reference speed	530 r/min
Limiting speed	850 r/min
SKF performance class	SKF Explorer

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	648 kg CO ₂ e
Indicative carbon footprint for remanufactured product	227 kg CO ₂ e

Logistics	
Product net weight	180 kg
eClass code	23-05-09-11
UNSPSC code	31171507

SKF drawings