



SKF 29438 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	190 mm
Outside diameter	380 mm
Height	115 mm
Outside diameter of shaft washer end side face	332 mm
Shoulder diameter outer ring	265 mm
Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a stamped steel cage)	73 mm
Height shaft washer + cage	101 mm
Height housing washer	55.5 mm
Distance from shaft washer end side face to pressure point	117 mm
Chamfer dimension shaft washer	5 mm

Abutment dimensions	
Diameter of shaft abutment	280 mm
Abutment diameter of spacer ring	207 mm
Outside diameter of spacer ring	223 mm
Diameter of housing abutment	321 mm
Fillet radius	4 mm

Calculation data	
Basic dynamic load rating	2850 kN
Basic static load rating	8000 kN
Fatigue load limit	765 kN
Reference speed	950 r/min
Limiting speed	1700 r/min
Minimum axial load factor	6.1

Performance	
Basic dynamic load rating	2850 kN
Basic static load rating	8000 kN
Reference speed	950 r/min
Limiting speed	1700 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	205 kg CO ₂
Indicative carbon footprint for remanufactured product	71.8 kg CO ₂

Logistics	
Product net weight	57 kg
eClass code	23-05-11-03
UNSPSC code	31171507

SKF drawings

