



SKF 29418 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	90 mm
Outside diameter	190 mm
Height	60 mm
Outside diameter of shaft washer end side face	164 mm
Shoulder diameter outer ring	128 mm
Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a stamped steel cage)	39 mm
Height shaft washer + cage	54 mm
Height housing washer	28.5 mm
Distance from shaft washer end side face to pressure point	56 mm
Chamfer dimension shaft washer	2.1 mm

Abutment dimensions	
Diameter of shaft abutment	135 mm
Abutment diameter of spacer ring	99 mm
Outside diameter of spacer ring	99 mm
Diameter of housing abutment	158 mm
Fillet radius	2 mm

Calculation data	
Basic dynamic load rating	815 kN
Basic static load rating	2000 kN
Fatigue load limit	232 kN
Reference speed	1900 r/min
Limiting speed	3400 r/min
Minimum axial load factor	0.38

Performance	
Basic dynamic load rating	815 kN
Basic static load rating	2000 kN
Reference speed	1900 r/min
Limiting speed	3400 r/min
SKF performance class	SKF Explorer

Properties	
Locating feature, housing washer	None
Bore type	Cylindrical
Cage	Sheet metal
Tolerance class	Normal
Indicative carbon footprint for new product	27.1 kg CO ₂

Logistics	
Product net weight	7.54 kg
eClass code	23-05-11-03
UNSPSC code	31171507

SKF drawings