



SKF 29468 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	340 mm
Outside diameter	620 mm
Height	170 mm
Outside diameter of shaft washer end side face	557 mm
Shoulder diameter outer ring	445 mm
Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a stamped steel cage)	112 mm
Height shaft washer + cage	151.4 mm
Height housing washer	84 mm
Distance from shaft washer end side face to pressure point	201 mm
Chamfer dimension shaft washer	7.5 mm

Abutment dimensions	
Diameter of shaft abutment	475 mm
Abutment diameter of spacer ring	363 mm
Outside diameter of spacer ring	386 mm
Diameter of housing abutment	530 mm
Fillet radius	6 mm

Calculation data	
Basic dynamic load rating	6700 kN
Basic static load rating	22400 kN
Fatigue load limit	1760 kN
Reference speed	560 r/min
Limiting speed	1000 r/min
Minimum axial load factor	46

Performance	
Basic dynamic load rating	6700 kN
Basic static load rating	22400 kN
Reference speed	560 r/min
Limiting speed	1000 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	742 kg CO ₂
Indicative carbon footprint for remanufactured product	260 kg CO ₂

Logistics	
Product net weight	206 kg
eClass code	23-05-09-11
UNSPSC code	31171507

SKF drawings

