



## SKF 29336 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	300 mm
Height	73 mm
Outside diameter of shaft washer end side face	270 mm
Shoulder diameter outer ring	227 mm
Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a stamped steel cage)	46 mm
Height shaft washer + cage	66.2 mm
Height housing washer	35.5 mm
Distance from shaft washer end side face to pressure point	103 mm
Chamfer dimension shaft washer	3 mm

Abutment dimensions	
Diameter of shaft abutment	235 mm
Abutment diameter of spacer ring	189 mm
Outside diameter of spacer ring	195 mm
Diameter of housing abutment	262 mm
Fillet radius	2.5 mm

Calculation data	
Basic dynamic load rating	1430 kN
Basic static load rating	4300 kN
Fatigue load limit	440 kN
Reference speed	1200 r/min
Limiting speed	2000 r/min
Minimum axial load factor	1.8

Performance	
Basic dynamic load rating	1430 kN
Basic static load rating	4300 kN
Reference speed	1200 r/min
Limiting speed	2000 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	68.5 kg CO <sub>2</sub> e
Indicative carbon footprint for remanufactured product	24 kg CO <sub>2</sub> e

Logistics	
Product net weight	19 kg
eClass code	23-05-11-03
UNSPSC code	31171507

**SKF drawings**

