



## SKF 29434 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	170 mm
Outside diameter	340 mm
Height	103 mm
Outside diameter of shaft washer end side face	297 mm
Shoulder diameter outer ring	236 mm
Width shaft washer or length of shaft washer bore diameter that fits on shaft (bearings with a stamped steel cage)	65.5 mm
Height shaft washer + cage	91.2 mm
Height housing washer	50 mm
Distance from shaft washer end side face to pressure point	104 mm
Chamfer dimension shaft washer	5 mm

Abutment dimensions	
Diameter of shaft abutment	250 mm
Abutment diameter of spacer ring	185 mm
Outside diameter of spacer ring	199 mm
Diameter of housing abutment	286 mm
Fillet radius	4 mm

Calculation data	
Basic dynamic load rating	2360 kN
Basic static load rating	6550 kN
Fatigue load limit	640 kN
Reference speed	1100 r/min
Limiting speed	1900 r/min
Minimum axial load factor	4.1

Performance	
Basic dynamic load rating	2360 kN
Basic static load rating	6550 kN
Reference speed	1100 r/min
Limiting speed	1900 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	142 kg CO <sub>2</sub>
Indicative carbon footprint for remanufactured product	49.8 kg CO <sub>2</sub>

Logistics	
Product net weight	39.5 kg
eClass code	23-05-11-03
UNSPSC code	31171507

**SKF drawings**

