

SKF BA 8

Single direction thrust ball bearing

Single direction thrust ball bearings can accommodate axial loads in one direction. They must not be subjected to any radial load. Their separable components facilitate mounting/dismounting and maintenance inspections. Many of the components are interchangeable. The shaft washers have a ground bore that enables an interference fit.



Technical specifications

Dimensions	
Bore diameter	8 mm
Outside diameter	19 mm
Height	7 mm
Outside diameter shaft washer	18.8 mm
Inner diameter housing washer	8.2 mm
Chamfer dimension washer	0.3 mm

Abutment dimensions	
Abutment diameter shaft	14.5 mm
Abutment diameter housing	12.5 mm
Fillet radius	0.3 mm

Calculation data	
Basic dynamic load rating	3.19 kN
Basic static load rating	3.8 kN
Fatigue load limit	0.143 kN
Reference speed	12000 r/min
Limiting speed	17000 r/min
Minimum load factor	0.0001

Performance	
Basic dynamic load rating	3.19 kN
Basic static load rating	3.8 kN
Reference speed	12000 r/min
Limiting speed	17000 r/min

Properties	
Axial load capability	Single-direction
Number of rows	1
Cage	Sheet metal
Housing washer type	Flat
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Indicative carbon footprint for new product	0.03 kg CO ₂

Logistics	
Product net weight	0.00927 kg
eClass code	23-05-10-01
UNSPSC code	31171507

SKF drawings