

SKF BA 5

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	5 mm
Outside diameter	12 mm
Height	4 mm
Outside diameter shaft washer	11.8 mm
Inner diameter housing washer	5.2 mm
Chamfer dimension washer	0.15 mm

Abutment dimensions	
Abutment diameter shaft	8 mm
Abutment diameter housing	9 mm
Fillet radius	0.15 mm

Calculation data	
Basic dynamic load rating	0.852 kN
Basic static load rating	0.965 kN
Fatigue load limit	0.036 kN
Reference speed	20000 r/min
Limiting speed	28000 r/min
Minimum load factor	0

Performance	
Basic dynamic load rating	0.852 kN
Basic static load rating	0.965 kN
Reference speed	20000 r/min
Limiting speed	28000 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	0.008 kg CO ₂

Logistics	
Product net weight	0.0021 kg
eClass code	23-05-10-01
UNSPSC code	31171507

SKF drawings

