



SKF W 618/8

Stainless steel deep groove ball bearing

Stainless steel single row deep groove ball bearings provide greater chemical and corrosion resistance. As with deep groove ball bearings generally, they are particularly versatile, have low friction and are optimized for low noise and low vibration, which enables high rotational speeds. They accommodate radial and axial loads in both directions, are easy to mount, and require less maintenance than many other bearing types.

Technical specifications

Dimensions	
Bore diameter	8 mm
Outside diameter	16 mm
Width	4 mm
Shoulder diameter	10.5 mm
Shoulder diameter	13.5 mm
Chamfer dimension	0.2 mm

Abutment dimensions	
Diameter of shaft abutment	9.6 mm
Diameter of housing abutment	14.4 mm
Radius of shaft or housing fillet	0.2 mm

Calculation data	
Basic dynamic load rating	0.715 kN
Basic static load rating	0.3 kN
Fatigue load limit	0.012 kN
Reference speed	90000 r/min
Limiting speed	56000 r/min
Minimum load factor	0.02
Calculation factor	7.5

Performance	
Basic dynamic load rating	0.715 kN
Basic static load rating	0.3 kN
Reference speed	90000 r/min
Limiting speed	56000 r/min

Properties	
Filling slots	Without
Number of rows	1
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Stamped stainless steel
Matched arrangement	No
Radial internal clearance	CN
Material, bearing	Stainless steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	0.01 kg CO ₂

Logistics	
Product net weight	0.0038 kg
eClass code	23-05-08-01
UNSPSC code	31171504

SKF drawings