



SKF 6003-2RSH/VA947

SKF Food line deep groove ball bearing with seals

SKF Food line deep groove ball bearings are compliant with food safety regulations. Designed with food grade seals and grease, they enhance food safety, increase reliability and support sustainable development in non-corrosive environments (VA947). Single row deep groove ball bearings with seals are particularly versatile, have low friction and are optimized for low noise and low vibration, which enables high rotational speeds.

Technical specifications

Dimensions	
Bore diameter	17 mm
Outside diameter	35 mm
Width	10 mm
Recess diameter	20.45 mm
Recess diameter	31.2 mm
Chamfer dimension	0.3 mm

Abutment dimensions	
Diameter of shaft abutment	19 mm
Diameter of shaft abutment	20.5 mm
Diameter of housing abutment	33 mm
Radius of shaft or housing fillet	0.3 mm

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	6.37 kN
Basic static load rating	3.25 kN
Fatigue load limit	0.137 kN
Limiting speed	13000 r/min
Minimum load factor	0.03
Calculation factor	14.4

Performance	
Basic dynamic load rating	6.37 kN
Basic static load rating	3.25 kN
Limiting speed	13000 r/min
SKF performance class	SKF Explorer

Properties	
Filling slots	Without
Number of rows	1
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Sheet metal
Matched arrangement	No
Radial internal clearance	CN
Material, bearing	Bearing steel
Coating	Without
Sealing	Seal on both sides
Sealing type	Contact
Lubricant	Food grade grease
Relubrication feature	Without
Indicative carbon footprint for new product	0.14 kg CO ₂

Logistics	
Product net weight	0.0395 kg
eClass code	23-05-08-01

SKF drawings

