

Image may differ from product. See technical specification for details.

YSA 207-2FK

Insert bearing with tapered bore and adapter sleeve locking

Insert bearings are based on sealed deep groove ball bearings. This variant, with a tapered bore, is suitable for applications with both constant and alternating directions of rotation. It is locked with an adapter sleeve, enabling quick and easy mounting onto the shaft. Adapter sleeve needs to be ordered separately.

- Quick and easy to mount onto the shaft
- Long service life
- Reduce noise and vibration levels

Overview

Dimensions

Bore diameter	35 mm
Outside diameter	72 mm
Width, total	30.5 mm
Width, inner ring	30.5 mm
Width, outer ring	19 mm

Performance

Basic dynamic load rating	25.5 kN
Basic static load rating	15.3 kN
Limiting speed	5 300 r/min

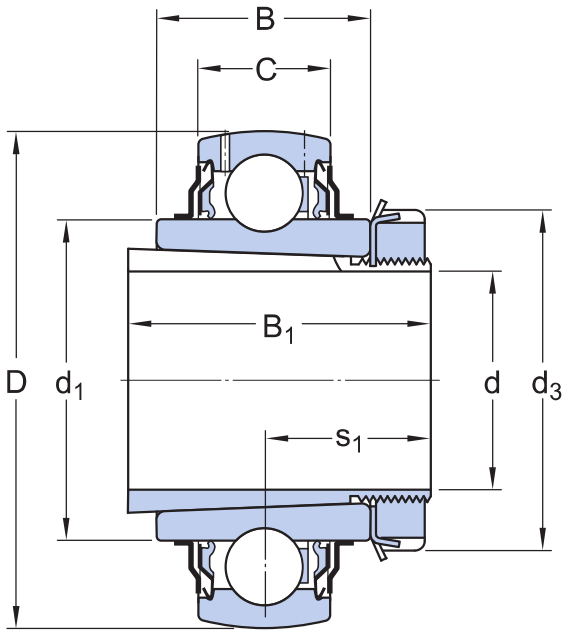
Properties

Retaining feature, inner ring	Adapter sleeve
Bore type	Tapered
Rolling elements	Balls
Outer ring type	Spherical
Inner ring extension	Symmetrically on both sides
Cage	Non-metallic
Rubber seating ring	Without
Material, bearing	Bearing steel
Coating	Without
Sealing	Seal and flinger on both sides
Sealing type	Contact, standard
Lubricant	Grease
Relubrication feature	With

Logistics

Product net weight	0.357 kg
eClass code	23-05-08-02
UNSPSC code	31171536

Technical specification



Dimensions

d	30 mm	Bore diameter of sleeve
D	72 mm	Outside diameter
B_1	43 mm	Width of sleeve
B	30.5 mm	Width of inner ring
C	19 mm	Width of outer ring
d_1	≈ 46.1 mm	Outside diameter of inner ring
d_3	52 mm	Outside diameter of lock nut
s_1	24.45 mm	Distance from locking device side face to raceway centre

Value specified for s_1 is approximate and before the sleeve is driven into the bearing bore (sleeve and inner ring bore at starting position).

Calculation data

Basic dynamic load rating	C	25.5 kN
Basic static load rating	C_0	15.3 kN
Fatigue load limit	P_u	0.655 kN
Limiting speed		5 300 r/min
Calculation factor	f_0	14

Mounting information

Associated spanner		HN 7
Recommended tightening angle for lock nut	α	100 °

Associated products

Rubber seating ring	RIS 207 A
Adapter sleeve	H 2307

Compatible products

Parent part

Flanged ball bearing unit with composite or cast metal housing	UKF 207 K/H
Three-bolt bracket flanged ball bearing unit with adapter sleeve locking, cast iron housing, JIS	UKFB 207 K/H
Flanged ball bearing unit with composite or cast metal housing	UKFC 207 K/H
Flanged ball bearing unit with composite or cast metal housing	UKFL 207 K/H
Pillow block bearing unit with composite or cast metal housing	UKP 207 K/H
Pillow block bearing unit with composite or cast metal housing	UKPA 207 K/H
Take-up cast iron unit with insert ball bearing, adapter sleeve locking, JIS	UKT 207 K/H

Recommended product

SKF Hook spanner, size 7	HN 7
Rubber seating ring for insert bearing	RIS 207 A
Adapter sleeve with KM lock nut and MB lock washer, metric dimensions	H 2307

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