



## SKF 3215 A

### Double row angular contact ball bearing

Double row angular contact ball bearings correspond, in their design and operation, to a pair of single row angular contact ball bearings in a back-to-back arrangement, while requiring less axial space. They can operate at high speeds and are more suitable than deep groove ball bearings for supporting large axial forces in both directions.

## Technical specifications

Dimensions	
Bore diameter	75 mm
Outside diameter	130 mm
Width	41.3 mm
Shoulder diameter inner ring	92.04 mm
Shoulder diameter outer ring	117.22 mm
Chamfer dimension inner ring	1.5 mm
Distance pressure point(s)	77 mm
Contact angle	30 °

Abutment dimensions	
Abutment diameter shaft	84 mm
Abutment diameter housing	121 mm
Fillet radius	1.5 mm

Calculation data	
Basic dynamic load rating	95.6 kN
Basic static load rating	88 kN
Fatigue load limit	3.75 kN
Reference speed	5300 r/min
Limiting speed	4500 r/min
Calculation factor	0.06
Limiting value	0.8
Calculation factor	0.63
Calculation factor	0.66
Calculation factor	0.78
Calculation factor	1.2

Performance	
Basic dynamic load rating	95.6 kN
Basic static load rating	88 kN
Reference speed	5300 r/min
Limiting speed	4500 r/min

Properties	
Contact type	Normal contact (two-point contact)
Number of rows	2
Locating feature, bearing outer ring	Without
Ring type	One-piece inner and outer rings
Cage	Sheet metal
Arrangement of contact angle (double-row bearing)	Back-to-back (O)
Matched arrangement	No
Universal matching bearing	No
Axial internal clearance	CN
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None

Relubrication feature	Without
Indicative carbon footprint for new product	6.7 kg CO <sub>2</sub> e

<b>Logistics</b>	
Product net weight	1.86 kg
eClass code	23-05-08-03
UNSPSC code	31171531

**SKF drawings**