

# FAG 713614210 wheel bearings

FAG 713614210 wheel bearings Engineering Calculator ,  
Manufacturing 140 Bore Diameter (mm) Service 140x80x26 Size  
(mm) . Get Your 80 Outer Diameter (mm) Free.

Size (mm)	140x80x26
Bore Diameter (mm)	140
Outer Diameter (mm)	80
Width (mm)	26
d	80 mm
D	140 mm
B	26 mm
d1	99.5 mm
d2	99.5 mm
D1	120.5 mm
r1,2 – min.	2 mm
r3,4 – min.	1 mm
a	27.8 mm
da – min.	91 mm
db – min.	91 mm
Da – max.	129 mm
Db – max.	134.4 mm
ra – max.	2 mm
rb – max.	1 mm
dn	103.4 mm
Basic dynamic load rating – C	85.2 kN
Basic static load rating – C0	75 kN
Fatigue load limit – Pu	3 kN

Limiting speed for grease lubrication	9500 r/min
Limiting speed for oil lubrication	16000 mm/min
Ball – Dw	17.462 mm
Ball – z	17
Gref	18.084 cm <sup>3</sup>
Calculation factor – f <sub>0</sub>	15.1
Preload class A – GA	320 N
Preload class B – GB	640 N
Preload class C – GC	1280 N
Preload class D – GD	2560 N
Calculation factor – f	1
Calculation factor – f <sub>2A</sub>	1
Calculation factor – f <sub>2B</sub>	1.01
Calculation factor – f <sub>2C</sub>	1.03
Calculation factor – f <sub>2D</sub>	1.05
Calculation factor – f <sub>HC</sub>	1
Preload class A	96 N/micron
Preload class B	130 N/micron
Preload class C	181 N/micron
Preload class D	260 N/micron
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
EAN	7316570047240
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7   ISO P4

Material – Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	15 Degree
Preload	None
Raceway Style	1 Rib Outer Ring
Cage Material	Phenolic
Rolling Element	Ball Bearing
Flush Ground	No
Inch – Metric	Metric
Other Features	Single Row   Angular Contact   Super Precision   High Capacity Basic Design
Long Description	80MM Bore; 140MM Outside Diameter; 26MM Width; Open Enclosure; ABEC 7   ISO P4 Precision; Steel Ball
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Ball Angular Contact
Bore	3.15 Inch   80 Millimeter
Outside Diameter	5.512 Inch   140 Millimeter
Width	1.024 Inch   26 Millimeter
r1,2 min.	2 mm
r3,4 min.	1 mm
da min.	91 mm
db min.	91 mm

Da max.	129 mm
Db max.	134.4 mm
ra max.	2 mm
rb max.	1 mm
Basic dynamic load rating C	85.2 kN
Basic static load rating C0	75 kN
Fatigue load limit Pu	3.05 kN
Attainable speed for grease lubrication	9500 r/min
Attainable speed for oil-air lubrication	16000 r/min
Ball diameter Dw	17.462 mm
Number of balls z	17
Reference grease quantity Gref	18.084 cm <sup>3</sup>
Preload class A GA	320 N
Static axial stiffness, preload class A	96 N/μm
Preload class B GB	640 N
Static axial stiffness, preload class B	130 N/μm
Preload class C GC	1280 N
Static axial stiffness, preload class C	181 N/μm
Preload class D GD	2560 N
Static axial stiffness, preload class D	260 N/μm
Calculation factor f	1.09
Calculation factor f1	1
Calculation factor f2A	1
Calculation factor f2B	1.01

Calculation factor f2C	1.03
Calculation factor f2D	1.05
Calculation factor fHC	1
Calculation factor f0	15.1
Mass bearing	1.46 kg