

# NKE 81220-TVPB thrust roller bearings

NKE 81220-TVPB thrust roller bearings with easy-to-use parts 210x140x33 Size (mm) graphics, giving you the ability to check parts availability, pricing, examine remanufactured options.

Size (mm)	210x140x33
Bore Diameter (mm)	210
Outer Diameter (mm)	140
Width (mm)	33
d	140 mm
D	210 mm
B	33 mm
d1	161.6 mm
d2	161.6 mm
D1	188.4 mm
r1,2 – min.	2 mm
r3,4 – min.	1 mm
a	40.1 mm
da – min.	149 mm
db – min.	149 mm
Da – max.	201 mm
Db – max.	205 mm
ra – max.	2 mm
rb – max.	1 mm
dn	166.3 mm
Basic dynamic load rating – C	153 kN
Basic static load rating – C0	166 kN

Fatigue load limit – Pu	5.3 kN
Limiting speed for grease lubrication	6700 r/min
Limiting speed for oil lubrication	10000 mm/min
Ball – Dw	22.225 mm
Ball – z	22
Gref	45 cm <sup>3</sup>
Calculation factor – f <sub>0</sub>	15.8
Preload class A – GA	570 N
Preload class B – GB	1140 N
Preload class C – GC	2280 N
Preload class D – GD	4560 N
Calculation factor – f	1
Calculation factor – f <sub>2A</sub>	1
Calculation factor – f <sub>2B</sub>	1.02
Calculation factor – f <sub>2C</sub>	1.05
Calculation factor – f <sub>2D</sub>	1.09
Calculation factor – f <sub>HC</sub>	1
Preload class A	151 N/micron
Preload class B	206 N/micron
Preload class C	289 N/micron
Preload class D	418 N/micron
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
EAN	7316570445213
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   High Capacity Basic Design
Long Description	140MM Bore; 210MM Outside Diameter; 33MM Width; Open Enclosure; ABEC 7   ISO P4 Precision; Steel Bal
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Ball Angular Contact
Outside Diameter	8.268 Inch   210 Millimeter
Bore	5.512 Inch   140 Millimeter
Width	1.299 Inch   33 Millimeter
r1,2 min.	2 mm
r3,4 min.	1 mm
da min.	149 mm

db min.	149 mm
Da max.	201 mm
Db max.	205 mm
ra max.	2 mm
rb max.	1 mm
Basic dynamic load rating C	153 kN
Basic static load rating C0	166 kN
Fatigue load limit Pu	5.3 kN
Attainable speed for grease lubrication	6700 r/min
Attainable speed for oil-air lubrication	10000 r/min
Ball diameter Dw	22.225 mm
Number of balls z	22
Reference grease quantity Gref	45 cm <sup>3</sup>
Preload class A GA	570 N
Static axial stiffness, preload class A	151 N/μm
Preload class B GB	1140 N
Static axial stiffness, preload class B	206 N/μm
Preload class C GC	2280 N
Static axial stiffness, preload class C	289 N/μm
Preload class D GD	4560 N
Static axial stiffness, preload class D	418 N/μm
Calculation factor f	1.16
Calculation factor f1	1
Calculation factor f2A	1

Calculation factor f2B	1.02
Calculation factor f2C	1.05
Calculation factor f2D	1.09
Calculation factor fHC	1
Calculation factor f0	15.8
Mass bearing	3.42 kg