

# NTN 7212DB angular contact ball bearings

Advance NTN 7212DB angular contact ball bearings is your source for quality and accessories. shop online for home delivery or pick up in one of 110x60x22 Size (mm) our 10000 . 110 Bore Diameter (mm)

Size (mm)	110x60x22
Bore Diameter (mm)	110
Outer Diameter (mm)	60
Width (mm)	22
d	60 mm
D	110 mm
B	22 mm
d1	76.4 mm
d2	76.4 mm
D1	93.6 mm
r1,2 – min.	1.5 mm
r3,4 – min.	0.6 mm
a	30.9 mm
da – min.	69 mm
db – min.	69 mm
Da – max.	101 mm
Db – max.	105.8 mm
ra – max.	1.5 mm
rb – max.	0.6 mm
dn	80.1 mm
Basic dynamic load rating – C	55.3 kN

Basic static load rating – C0	45 kN
Fatigue load limit – Pu	1.9 kN
Limiting speed for grease lubrication	11000 r/min
Limiting speed for oil lubrication	18000 mm/min
Ball – Dw	14.288 mm
Ball – z	16
Gref	10.08 cm <sup>3</sup>
Calculation factor – e	0.68
Calculation factor – Y2	1.41
Calculation factor – Y0	0.76
Calculation factor – X2	0.67
Calculation factor – Y1	0.92
Preload class A – GA	350 N
Preload class B – GB	700 N
Preload class C – GC	1400 N
Preload class D – GD	2800 N
Calculation factor – f	1.07
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.01
Calculation factor – f2C	1.02
Calculation factor – f2D	1.05
Calculation factor – fHC	1
Preload class A	182 N/micron
Preload class B	238 N/micron
Preload class C	315 N/micron
Preload class D	424 N/micron
Inventory	0.0

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
EAN	7316571098555
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7   ISO P4
Material – Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	25 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	60MM Bore; 110MM Outside Diameter; 22MM 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	2.362 Inch   60 Millimeter

Outside Diameter	4.331 Inch   110 Millimeter
Width	0.866 Inch   22 Millimeter
r1,2 min.	1.5 mm
r3,4 min.	0.6 mm
da min.	69 mm
db min.	69 mm
Da max.	101 mm
Db max.	105.8 mm
ra max.	1.5 mm
rb max.	0.6 mm
Basic dynamic load rating C	55.3 kN
Basic static load rating C0	45 kN
Fatigue load limit Pu	1.9 kN
Attainable speed for grease lubrication	11000 r/min
Attainable speed for oil-air lubrication	18000 r/min
Ball diameter Dw	14.288 mm
Number of balls z	16
Reference grease quantity Gref	10.08 cm <sup>3</sup>
Preload class A GA	350 N
Static axial stiffness, preload class A	182 N/μm
Preload class B GB	700 N
Static axial stiffness, preload class B	238 N/μm
Preload class C GC	1400 N

Static axial stiffness, preload class C	315 N/ $\mu\text{m}$
Preload class D GD	2800 N
Static axial stiffness, preload class D	424 N/ $\mu\text{m}$
Calculation factor f	1.07
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.01
Calculation factor f2C	1.02
Calculation factor f2D	1.05
Calculation factor fHC	1
Calculation factor e	0.68
Calculation factor (single, tandem) Y2	0.87
Calculation factor (single, tandem) Y0	0.38
Calculation factor (single, tandem) X2	0.41
Calculation factor (back-to-back, face-to-face) Y1	0.92
Calculation factor (back-to-back, face-to-face) Y2	1.41
Calculation factor (back-to-back, face-to-face) Y0	0.76
Calculation factor (back-to-back, face-to-face) X2	0.67
Mass bearing	0.81 kg