

# NSK 6321DDU deep groove ball bearings

NSK 6321DDU deep groove ball bearings with easy-to-use 190x140x24 Size (mm) parts graphics, giving you the ability to check parts availability, pricing, examine remanufactured options.

Size (mm)	190x140x24
Bore Diameter (mm)	190
Outer Diameter (mm)	140
Width (mm)	24
d	140 mm
D	190 mm
B	24 mm
d1	155.4 mm
d2	155.4 mm
D1	174.6 mm
r1,2 – min.	1.5 mm
r3,4 – min.	0.6 mm
a	50.6 mm
da – min.	147 mm
db – min.	147 mm
Da – max.	183 mm
Db – max.	186 mm
ra – max.	1.5 mm
rb – max.	0.6 mm
dn	159.5 mm
Basic dynamic load rating – C	90.4 kN

Basic static load rating – C0	110 kN
Fatigue load limit – Pu	3.6 kN
Limiting speed for grease lubrication	6000 r/min
Limiting speed for oil lubrication	9000 mm/min
Ball – Dw	15.875 mm
Ball – z	29
Gref	21.6 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	560 N
Preload class B – GB	1120 N
Preload class C – GC	2240 N
Preload class D – GD	4480 N
Calculation factor – f	1.29
Calculation factor – f1	0.98
Calculation factor – f2A	1
Calculation factor – f2B	1.04
Calculation factor – f2C	1.08
Calculation factor – f2D	1.14
Calculation factor – fHC	1
Preload class A	348 N/micron
Preload class B	457 N/micron
Preload class C	614 N/micron
Preload class D	841 N/micron
Inventory	0.0

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.91
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   High Precision
Long Description	140MM Bore; 190MM Outside Diameter; 24MM Width; Open Enclosure; ABEC 7   ISO P4 Precision; Steel Bal
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact Ball
Manufacturer Item Number	71928 ACD/P4A
Weight / LBS	4.211

Bore	5.512 Inch   140 Millimeter
Outside Diameter	7.48 Inch   190 Millimeter
Width	0.945 Inch   24 Millimeter
r1,2 min.	1.5 mm
r3,4 min.	0.6 mm
da min.	147 mm
db min.	147 mm
Da max.	183 mm
Db max.	186 mm
ra max.	1.5 mm
rb max.	0.6 mm
Basic dynamic load rating C	90.4 kN
Basic static load rating C0	110 kN
Fatigue load limit Pu	3.65 kN
Attainable speed for grease lubrication	6000 r/min
Attainable speed for oil-air lubrication	9000 r/min
Ball diameter Dw	15.875 mm
Number of balls z	29
Reference grease quantity Gref	21.6 cm <sup>3</sup>
Preload class A GA	560 N
Static axial stiffness, preload class A	348 N/μm
Preload class B GB	1120 N
Static axial stiffness, preload class B	457 N/μm

Preload class C GC	2240 N
Static axial stiffness, preload class C	614 N/ $\mu\text{m}$
Preload class D GD	4480 N
Static axial stiffness, preload class D	841 N/ $\mu\text{m}$
Calculation factor f	1.29
Calculation factor f1	0.98
Calculation factor f2A	1
Calculation factor f2B	1.04
Calculation factor f2C	1.08
Calculation factor f2D	1.14
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	1.65 kg