

NTN 7230CP5 angular contact ball bearings

What is NTN 7230CP5 angular contact ball bearings 150x100x24 Size (mm) in mechanical engineering? Manufacturing Service 150 Bore Diameter (mm) . Upload your CAD file for an instant.

Size (mm)	150x100x24
Bore Diameter (mm)	150
Outer Diameter (mm)	100
Width (mm)	24
d	100 mm
D	150 mm
B	24 mm
d1	117.38 mm
d2	114.2 mm
D2	136 mm
r1,2 – min.	1.5 mm
r3,4 – min.	1 mm
a	41.4 mm
da – min.	107 mm
da – max.	116.7 mm
db – min.	107 mm
db – max.	113.5 mm
Da – max.	143 mm
Db – max.	144.4 mm
ra – max.	1.5 mm
rb – max.	1 mm
Basic dynamic load rating – C	42.3 kN

Basic static load rating – C0	38 kN
Fatigue load limit – Pu	1.4 kN
Limiting speed for grease lubrication	11200 r/min
Ball – Dw	12.7 mm
Ball – z	27
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	390 N
Preload class B – GB	1150 N
Preload class C – GC	2310 N
Calculation factor – f	1.12
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.03
Calculation factor – f2C	1.06
Calculation factor – fHC	1
Preload class A	220 N/micron
Preload class B	330 N/micron
Preload class C	435 N/micron
r1,2 min.	1.5 mm
r3,4 min.	1 mm
da min.	107 mm
da max.	116.7 mm
db min.	107 mm
db max.	113.5 mm
Da max.	143 mm

Db max.	144.4 mm
ra max.	1.5 mm
rb max.	1 mm
Basic dynamic load rating C	42.3 kN
Basic static load rating C0	38 kN
Fatigue load limit Pu	1.43 kN
Attainable speed for grease lubrication	11200 r/min
Ball diameter Dw	12.7 mm
Number of balls z	27
Preload class A GA	390 N
Static axial stiffness, preload class A	220 N/ μ m
Preload class B GB	1150 N
Static axial stiffness, preload class B	330 N/ μ m
Preload class C GC	2310 N
Static axial stiffness, preload class C	435 N/ μ m
Calculation factor f	1.12
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.03
Calculation factor f2C	1.06
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	1.32 kg