

AST S55 needle roller bearings

LET OUR 22x10x6 Size (mm) AST S55 needle roller bearings EXPERTS GET YOU THE PARTS YOU NEED.

Size (mm)	22x10x6
Bore Diameter (mm)	22
Outer Diameter (mm)	10
Width (mm)	6
d	10 mm
D	22 mm
B	6 mm
d1	14 mm
d2	14 mm
D2	19.8 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.2 mm
a	6.8 mm
da – min.	12 mm
da – max.	13.6 mm
db – min.	12 mm
db – max.	13.6 mm
Da – max.	20 mm
Db – max.	20.6 mm
ra – max.	0.3 mm
rb – max.	0.2 mm
Basic dynamic load rating – C	2.4 kN
Basic static load rating – C0	1.1 kN

Fatigue load limit – Pu	0.045 kN
Limiting speed for grease lubrication	63000 r/min
Ball – Dw	3.175 mm
Ball – z	12
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	15 N
Preload class B – GB	30 N
Preload class C – GC	60 N
Preload class D – GD	120 N
Calculation factor – f	1.03
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	29 N/micron
Preload class B	38 N/micron
Preload class C	49 N/micron
Preload class D	65 N/micron
r1,2 min.	0.3 mm
r3,4 min.	0.2 mm
da min.	12 mm
da max.	13.6 mm
db min.	12 mm

db max.	13.6 mm
Da max.	20 mm
Db max.	20.6 mm
ra max.	0.3 mm
rb max.	0.2 mm
Basic dynamic load rating C	2.42 kN
Basic static load rating C0	1.06 kN
Fatigue load limit Pu	0.045 kN
Attainable speed for grease lubrication	63000 r/min
Ball diameter Dw	3.175 mm
Number of balls z	12
Preload class A GA	15 N
Static axial stiffness, preload class A	29 N/μm
Preload class B GB	30 N
Static axial stiffness, preload class B	38 N/μm
Preload class C GC	60 N
Static axial stiffness, preload class C	49 N/μm
Preload class D GD	120 N
Static axial stiffness, preload class D	65 N/μm
Calculation factor f	1.03
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	0.01 kg