

AST 5216-2RS angular contact ball bearings

AST 5216-2RS angular contact ball bearings Product 28x12x8 Size (mm) Brochures , 12 Outer Diameter (mm) Manufacturing Service . Get Your Free.

Size (mm)	28x12x8
Bore Diameter (mm)	28
Outer Diameter (mm)	12
Width (mm)	8
d	12 mm
D	28 mm
B	8 mm
d1	17.5 mm
d2	16.5 mm
D1	22.45 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	6.7 mm
da – min.	14 mm
db – min.	14 mm
Da – max.	26 mm
Db – max.	26.6 mm
ra – max.	0.3 mm
rb – max.	0.15 mm
dn	18.5 mm
Basic dynamic load rating – C	3.2 kN
Basic static load rating – C0	1.3 kN

Fatigue load limit – Pu	0.057 kN
Limiting speed for grease lubrication	80000 r/min
Limiting speed for oil lubrication	127000 mm/min
Ball – Dw	3.969 mm
Ball – z	12
Gref	0.31 cm ³
Calculation factor – f ₀	7.3
Preload class A – GA	17 N
Preload class B – GB	53 N
Preload class C – GC	110 N
Calculation factor – f	1
Calculation factor – f _{2A}	1
Calculation factor – f _{2B}	1.03
Calculation factor – f _{2C}	1.05
Calculation factor – f _{HC}	1
Preload class A	13 N/micron
Preload class B	21 N/micron
Preload class C	30 N/micron
r _{1,2} min.	0.3 mm
r _{3,4} min.	0.15 mm
d _a min.	14 mm
d _b min.	14 mm
D _a max.	26 mm
D _b max.	26.6 mm
r _a max.	0.3 mm
r _b max.	0.15 mm
Basic dynamic load rating C	3.19 kN
Basic static load rating C ₀	1.34 kN
Fatigue load limit Pu	0.057 kN

Attainable speed for grease lubrication	80000 r/min
Attainable speed for oil-air lubrication	127000 r/min
Ball diameter D_w	3.969 mm
Number of balls z	12
Reference grease quantity G_{ref}	0.31 cm ³
Preload class A G_A	17 N
Static axial stiffness, preload class A	13 N/ μ m
Preload class B G_B	53 N
Static axial stiffness, preload class B	21 N/ μ m
Preload class C G_C	110 N
Static axial stiffness, preload class C	30 N/ μ m
Calculation factor f	1.02
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	7.3
Mass bearing	0.021 kg