

# FAG B7216-E-T-P4S angular contact ball bearings

FAG B7216-E-T-P4S angular contact ball bearings with easy-to-use parts graphics, giving you 55x35x10 Size (mm) the ability to check parts availability, pricing, 35 Outer Diameter (mm) examine remanufactured options.

Size (mm)	55x35x10
Bore Diameter (mm)	55
Outer Diameter (mm)	35
Width (mm)	10
d	35 mm
D	55 mm
B	10 mm
d1	42.46 mm
d2	41.56 mm
D2	49.5 mm
r1,2 – min.	0.6 mm
r3,4 – min.	0.3 mm
a	18.4 mm
da – min.	38.2 mm
db – min.	38.2 mm
Da – max.	51.8 mm
Db – max.	53 mm
ra – max.	0.6 mm
rb – max.	0.3 mm
dn	43 mm
Basic dynamic load rating – C	4.9 kN

Basic static load rating – C0	3.4 kN
Fatigue load limit – Pu	0.146 kN
Limiting speed for grease lubrication	30000 r/min
Limiting speed for oil lubrication	48000 mm/min
Ball – Dw	3.969 mm
Ball – z	25
Gref	0.96 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	29 N
Preload class B – GB	58 N
Preload class C – GC	175 N
Calculation factor – f	1.06
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.07
Calculation factor – fHC	1
Preload class A	59 N/micron
Preload class B	75 N/micron
Preload class C	114 N/micron
r1,2 min.	0.6 mm
r3,4 min.	0.3 mm
da min.	38.2 mm
db min.	38.2 mm
Da max.	51.8 mm

Db max.	53 mm
ra max.	0.6 mm
rb max.	0.3 mm
Basic dynamic load rating C	6.5 kN
Basic static load rating C0	5.85 kN
Fatigue load limit Pu	0.146 kN
Attainable speed for grease lubrication	30000 r/min
Attainable speed for oil-air lubrication	48000 r/min
Ball diameter Dw	3.969 mm
Number of balls z	25
Reference grease quantity Gref	0.96 cm <sup>3</sup>
Preload class A GA	29 N
Static axial stiffness, preload class A	59 N/μm
Preload class B GB	58 N
Static axial stiffness, preload class B	75 N/μm
Preload class C GC	175 N
Static axial stiffness, preload class C	114 N/μm
Calculation factor f	1.06
Calculation factor f1	0.99
Calculation factor f2A	1
Calculation factor f2B	1.02
Calculation factor f2C	1.07
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	0.078 kg