

# SKF S71910 ACE/P4A angular contact ball bearings

LET OUR SKF S71910 ACE/P4A angular contact ball bearings EXPERTS 125 Bore Diameter (mm) GET 125x80x22 Size (mm) YOU THE PARTS YOU NEED.

Size (mm)	125x80x22
Bore Diameter (mm)	125
Outer Diameter (mm)	80
Width (mm)	22
d	80 mm
D	125 mm
B	22 mm
d1	93.9 mm
d2	93.9 mm
D1	111.1 mm
b	2.8 mm
C1	11.1 mm
C2	4.4 mm
C3	3.8 mm
r1,2 – min.	1.1 mm
r3,4 – min.	0.6 mm
a	35 mm
da – min.	86 mm
db – min.	86 mm
Da – max.	119 mm
Db – max.	121 mm
ra – max.	1 mm

rb – max.	0.6 mm
dn	96.9 mm
Basic dynamic load rating – C	62.4 kN
Basic static load rating – C0	58.5 kN
Fatigue load limit – Pu	2.4 kN
Limiting speed for grease lubrication	12000 r/min
Limiting speed for oil lubrication	18000 mm/min
Ball – Dw	14.288 mm
Ball – z	20
Gref	11.1 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	390 N
Preload class B – GB	780 N
Preload class C – GC	1560 N
Preload class D – GD	3120 N
Calculation factor – f	1.13
Calculation factor – f1	0.99
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.05
Calculation factor – f2D	1.08
Calculation factor – fHC	1.02
Preload class A	247 N/micron
Preload class B	323 N/micron
Preload class C	429 N/micron

Preload class D	581 N/micron
r <sub>1,2</sub> min.	1.1 mm
r <sub>3,4</sub> min.	0.6 mm
d <sub>a</sub> min.	86 mm
d <sub>b</sub> min.	86 mm
D <sub>a</sub> max.	119 mm
D <sub>b</sub> max.	121 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	0.6 mm
Basic dynamic load rating C	62.4 kN
Basic static load rating C <sub>0</sub>	58.5 kN
Fatigue load limit P <sub>u</sub>	2.45 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	18000 r/min
Ball diameter D <sub>w</sub>	14.288 mm
Number of balls z	20
Reference grease quantity G <sub>ref</sub>	11.1 cm <sup>3</sup>
Preload class A G <sub>A</sub>	390 N
Static axial stiffness, preload class A	247 N/μm
Preload class B G <sub>B</sub>	780 N
Static axial stiffness, preload class B	323 N/μm
Preload class C G <sub>C</sub>	1560 N
Static axial stiffness, preload class C	429 N/μm
Preload class D G <sub>D</sub>	3120 N
Static axial stiffness, preload class D	581 N/μm
Calculation factor f	1.13
Calculation factor f <sub>1</sub>	0.99
Calculation factor f <sub>2A</sub>	1
Calculation factor f <sub>2B</sub>	1.02

Calculation factor f2C	1.05
Calculation factor f2D	1.08
Calculation factor fHC	1.02
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	0.71 kg