

SKF S7205 ACD/P4A angular contact ball bearings

SKF S7205 ACD/P4A angular contact ball bearings Needs Analysis , Manufacturing 45 mm d Service . Get Your Free.

d	45 mm
D	75 mm
B	16 mm
d1	54.2 mm
d2	54.2 mm
D1	65.8 mm
r1,2 min.	1 mm
r3,4 min.	0.3 mm
a	22.1 mm
da min.	49.6 mm
db min.	49.6 mm
Da max.	70.4 mm
Db max.	73 mm
ra max.	1 mm
rb max.	0.3 mm
Basic dynamic load rating C	27.6 kN
Basic static load rating C0	21.6 kN
Fatigue load limit Pu	0.9 kN
Attainable speed for grease lubrication	20000 r/min
Ball diameter Dw	9.525 mm
Number of balls z	17
Reference grease quantity Gref	3.3 cm ³
Preload class A GA	170 N

Static axial stiffness, preload class A	146 N/ μ m
Preload class B GB	340 N
Static axial stiffness, preload class B	192 N/ μ m
Preload class C GC	680 N
Static axial stiffness, preload class C	254 N/ μ m
Preload class D GD	1360 N
Static axial stiffness, preload class D	343 N/ μ m
Calculation factor f	1.09
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
Calculation factor e	0.68
Calculation factor (single, tandem) Y2	0.87
Calculation factor (back-to-back, face-to-face) Y1	0.92
Calculation factor (back-to-back, face-to-face) Y2	1.41
Mass bearing	0.2 kg