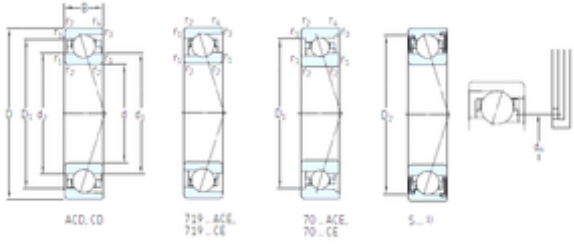


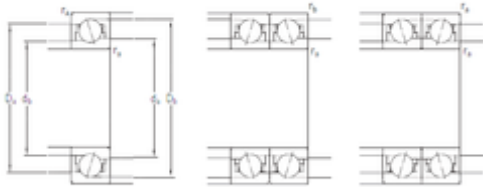


Timken BEARING MFG.CORP



95 mm x 145 mm x 24 mm SKF S7019 CE/P4A angular contact ball bearings

Bearing No. S7019 CE/P4A



S7019 CE/P4A Bearing 2D drawings and 3D CAD models

Size	95x145x24 mm
Bore Diameter	95 mm
Outer Diameter	145 mm
Width	24 mm
d	95 mm
D	145 mm
B	24 mm
C	24 mm
d1	112,4 mm
d2	109,2 mm
r1 min.	1,5 mm
r2 min.	1,5 mm
r3 min.	1 mm
r4 min.	1 mm
D1	131 mm
D2	131 mm
da min.	102 mm
Da max.	138 mm
db min	102 mm
ra max.	1,5 mm
rb max.	1 mm
dh	115,4 mm
Db max	139,4 mm
Weight	1,2 Kg
Basic dynamic load rating (C)	44,2 kN



Timken BEARING MFG.CORP

Basic static load rating (C ₀)	38 kN
(Grease) Lubrication Speed	12 700 r/min
(Oil) Lubrication Speed	20 000 r/min
Fatigue load limit (P _u)	1,46
d ₁	112.38 mm
d ₂	109.2 mm
D ₂	131 mm
r _{1,2} min.	1.5 mm
r _{3,4} min.	1 mm
a	28.2 mm
d _a min.	102 mm
d _a max.	111.7 mm
d _b min.	102 mm
d _b max.	108.5 mm
D _a max.	138 mm
D _b max.	139.4 mm
r _a max.	1.5 mm
r _b max.	1 mm
Basic dynamic load rating C	44.2 kN
Basic static load rating C ₀	38 kN
Fatigue load limit P _u	1.46 kN
Attainable speed for grease lubrication	12700 r/min
Ball diameter D _w	12.7 mm
Number of balls z	26
Preload class A G _A	230 N
Static axial stiffness, preload class A	84 N/ μ m
Preload class B G _B	700 N
Static axial stiffness, preload class B	133 N/ μ m
Preload class C G _C	1400 N
Static axial stiffness, preload	184 N/ μ m



Timken BEARING MFG.CORP

class C	
Calculation factor f	1.11
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	9.4
Mass bearing	1.27 kg