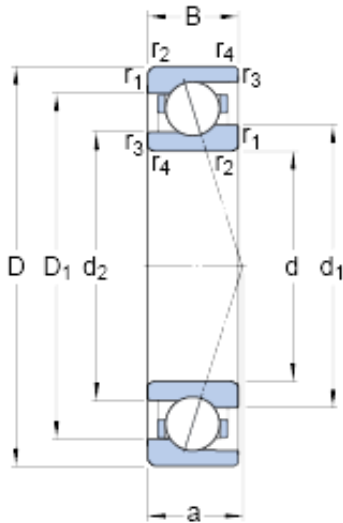




Timken BEARINGS INDUSTRY



80 mm x 110 mm x 16 mm SKF 71916 CE/P4A angular contact ball bearings

Bearing No. 71916 CE/P4A

71916 CE/P4A Bearing 2D drawings and 3D CAD models

Size	110x80x16 mm
Bore Diameter	110 mm
Outer Diameter	80 mm
Width	16 mm
d	80 mm
D	110 mm
B	16 mm
d ₁	89.3 mm
d ₂	86.8 mm
D ₁	100.52 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.3 mm
a	21.7 mm
d _a - min.	84.6 mm
d _b - min.	82 mm
D _a - max.	105.4 mm
D _b - max.	108 mm
r _a - max.	1 mm
r _b - max.	0.3 mm
d _n	91.5 mm
Basic dynamic load rating - C	22.5 kN
Basic static load rating - C ₀	18 kN
Fatigue load limit - P _u	0.75 kN
Limiting speed for grease	16500 r/min



Timken BEARINGS INDUSTRY

Lubrication	
Limiting speed for oil lubrication	25000 mm/min
Ball - D_w	9.525 mm
Ball - z	24
G_{ref}	4.8 cm ³
Calculation factor - f_0	8.6
Preload class A - G_A	123 N
Preload class B - G_B	370 N
Preload class C - G_C	740 N
Calculation factor - f	1.19
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.04
Calculation factor - f_{2C}	1.08
Calculation factor - f_{HC}	1
Preload class A	56 N/micron
Preload class B	89 N/micron
Preload class C	123 N/micron
d_1	89.3 mm
d_2	86.8 mm
D_1	100.52 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	84.6 mm
d_b min.	82 mm
D_a max.	105.4 mm
D_b max.	108 mm
r_a max.	1 mm
r_b max.	0.3 mm
d_n	91.5 mm



Timken BEARINGS INDUSTRY

Basic dynamic load rating C	22.5 kN
Basic static load rating C_0	18 kN
Fatigue load limit P_u	0.75 kN
Attainable speed for grease lubrication	16500 r/min
Attainable speed for oil-air lubrication	25000 r/min
Ball diameter D_w	9.525 mm
Number of balls z	24
Reference grease quantity G_{ref}	4.8 cm ³
Preload class A G_A	123 N
Static axial stiffness, preload class A	56 N/ μ m
Preload class B G_B	370 N
Static axial stiffness, preload class B	89 N/ μ m
Preload class C G_C	740 N
Static axial stiffness, preload class C	123 N/ μ m
Calculation factor f	1.19
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.08
Calculation factor f_{HC}	1
Calculation factor f_0	8.6
Mass bearing	0.36 kg