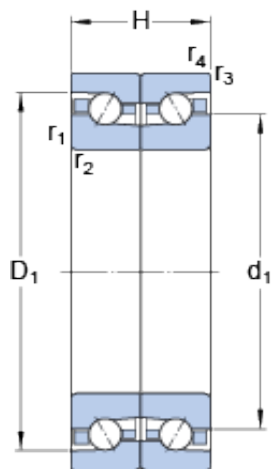




SUPER PRECISION BEARINGS MANUFACTURER



SKF BTM 110 BTN9/P4CDB Precision Angular Contact Bearings

Bearing No. BTM 110 BTN9/P4CDB

Size	110x170x54 mm
Bore Diameter	110 mm
Outer Diameter	170 mm
Width	54 mm
d	110 mm
D	170 mm
H	54 mm
d ₁	137.9 mm
D ₁	155 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
d _a - min.	119 mm
D _a - max.	165 mm
r _a - max.	2 mm
r _b - max.	1 mm
d _n	134.1 mm
Basic dynamic load rating - C	65.5 kN
Basic static load rating - C ₀	153 kN
Fatigue load limit - P _u	5.5 kN
Limiting speed for grease lubrication	4900 r/min
Limiting speed for oil lubrication	6400 mm/min
Preload class A	750 N
Preload class B	2250 N

BTM 110 BTN9/P4CDB Bearing 2D drawings and 3D CAD models



SUPER PRECISION BEARINGS MANUFACTURER

Static Axial rigidity, Preload class A	591 N/micron
Static Axial rigidity, Preload class B	886 N/micron
G_{ref}	38 cm
d_1	137.9 mm
D_1	155 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	119 mm
D_a max.	165 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	134.1 mm
Basic dynamic load rating C	65.5 kN
Basic static load rating C_0	153 kN
Fatigue load limit P_u	5.5 kN
Attainable speed for grease lubrication	4900 r/min
Attainable speed for oil-air lubrication	6400 r/min
Static axial stiffness for preload A	591 N/ μ m
Static axial stiffness for preload B	886 N/ μ m
Reference grease quantity G_{ref}	38 cm ³
Mass bearing	4.25 kg