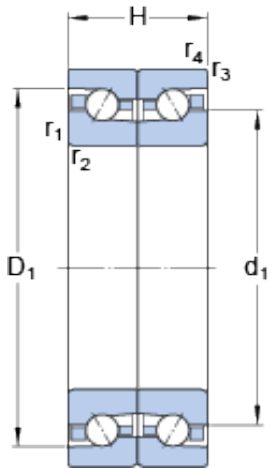




Lamar parts manufacturing company



BTM 90 ATN9/P4CDB Bearing 2D drawings and 3D CAD models

SKF BTM 90 ATN9/P4CDB thrust ball bearings

Bearing No. BTM 90 ATN9/P4CDB

Size	90x140x45 mm
Bore Diameter	90 mm
Outer Diameter	140 mm
Width	45 mm
d	90 mm
D	140 mm
H	45 mm
d ₁	113 mm
D ₁	127.1 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1 mm
d _a - min.	97 mm
D _a - max.	135 mm
r _a - max.	1.5 mm
r _b - max.	1 mm
d _n	109.7 mm
Basic dynamic load rating - C	39 kN
Basic static load rating - C ₀	91.5 kN
Fatigue load limit - P _u	3.6 kN
Limiting speed for grease lubrication	6800 r/min
Limiting speed for oil lubrication	8700 mm/min
Preload class A	400 N
Preload class B	1200 N



Lamar parts manufacturing company

Static Axial rigidity, Preload class A	292 N/micron
Static Axial rigidity, Preload class B	441 N/micron
G_{ref}	22 cm
d_1	113 mm
D_1	127.1 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
d_a min.	97 mm
D_a max.	135 mm
r_a max.	1.5 mm
r_b max.	1 mm
d_n	109.7 mm
Basic dynamic load rating C	39 kN
Basic static load rating C_0	91.5 kN
Fatigue load limit P_u	3.55 kN
Attainable speed for grease lubrication	6800 r/min
Attainable speed for oil-air lubrication	8700 r/min
Static axial stiffnes for preload A	292 N/ μ m
Static axial stiffnes for preload B	441 N/ μ m
Reference grease quantity G_{ref}	22 cm ³
Mass bearing	2.45 kg