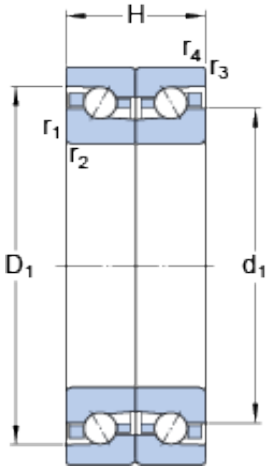




Off-the-shelf SKF shaft Co., Ltd



BTM 130 ATN9/HCP4CDB Bearing 2D drawings and 3D CAD models

SKF BTM 130 ATN9/HCP4CDB Special Polyamide cage design Precision Bearings

Bearing No. BTM 130 ATN9/HCP4CDB

Size	130x200x63 mm
Bore Diameter	130 mm
Outer Diameter	200 mm
Width	63 mm
d	130 mm
D	200 mm
H	63 mm
d ₁	162.6 mm
D ₁	182.1 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
d _a - min.	139 mm
D _a - max.	195 mm
r _a - max.	2 mm
r _b - max.	1 mm
d _n	158.3 mm
Basic dynamic load rating - C	73.5 kN
Basic static load rating - C ₀	186 kN
Fatigue load limit - P _u	6.1 kN
Limiting speed for grease lubrication	5900 r/min
Limiting speed for oil lubrication	7000 mm/min
Preload class A	800 N
Preload class B	2400 N



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Static Axial rigidity, Preload class A	475 N/micron
Static Axial rigidity, Preload class B	720 N/micron
G_{ref}	58 cm
d_1	162.6 mm
D_1	182.1 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	139 mm
D_a max.	195 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	158.3 mm
Basic dynamic load rating C	73.5 kN
Basic static load rating C_0	186 kN
Fatigue load limit P_u	6.1 kN
Attainable speed for grease lubrication	5900 r/min
Attainable speed for oil-air lubrication	7000 r/min
Static axial stiffness for preload A	475 N/ μ m
Static axial stiffness for preload B	720 N/ μ m
Reference grease quantity G_{ref}	58 cm ³
Mass bearing	6.45 kg