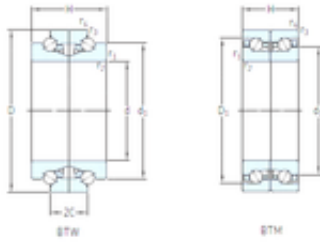




Off-the-shelf SKF shaft Co., Ltd



BTM 95 BTN9/HCP4CDB Bearing 2D drawings and 3D CAD models

95 mm x 145 mm x 22,5 mm SKF BTM 95 BTN9/HCP4CDB Super Precision Sealed Angular Contact Ball Bearings

Bearing No. BTM 95 BTN9/HCP4CDB

Size	95x145x22.5 mm
Bore Diameter	95 mm
Outer Diameter	145 mm
Width	22,5 mm
d	95 mm
D	145 mm
B	22,5 mm
C	22,5 mm
d1	118 mm
r1 min.	1,5 mm
r2 min.	1,5 mm
r3 min.	1 mm
r4 min.	1 mm
D1	125,6 mm
H	45 mm
da min.	102 mm
Da max.	140 mm
ra max.	1,5 mm
rb max.	1 mm
dh	115 mm
Weight	2,4 Kg
Basic dynamic load rating (C)	46,5 kN
Basic static load rating (C0)	106 kN
(Grease) Lubrication Speed	7 200 r/min



Off-the-shelf SKF shaft Co., Ltd

(Oil) Lubrication Speed	8 600 r/min
d_1	118 mm
D_1	132.1 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
d_a min.	102 mm
D_a max.	140 mm
r_a max.	1.5 mm
r_b max.	1 mm
d_n	114.7 mm
Basic dynamic load rating C	46.5 kN
Basic static load rating C_0	106 kN
Fatigue load limit P_u	4.05 kN
Attainable speed for grease lubrication	7200 r/min
Attainable speed for oil-air lubrication	8600 r/min
Preload class A	550 N
Preload class B	1650 N
Static axial stiffness for preload A	565 N/ μ m
Static axial stiffness for preload B	852 N/ μ m
Reference grease quantity G_{ref}	22 cm ³
Mass bearing	2.4 kg