



Bearing No. BTM 70 ATN9/HCP4CDB

D	110 mm
d	70 mm
B	18 mm
C	18 mm
H	36 mm
d1	88,55 mm
dh	86 mm
D1	94,9 mm
Weight	1,15 Kg
r4 min.	0,6 mm
Da max.	106 mm
da min.	76 mm
r2 min.	1,1 mm
r3 min.	0,6 mm
r1 min.	1,1 mm
rb max.	0,6 mm
ra max.	1 mm
Size (mm)	70x110x18
Width (mm)	18
Mass bearing	1.15 kg
D ₁	100.2 mm
d _n	86.1 mm
d ₁	88.55 mm
Bearing number	BTM 70 ATN9/HCP4CDB
Preload class A	250 N
Preload class B	750 N
d _a min.	76 mm
D _a max.	106 mm
r _a max.	1 mm

r_b max.	0.6 mm
Bore Diameter (mm)	70
Outer Diameter (mm)	110
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
(Oil) Lubrication Speed	13 000 r/min
(Grease) Lubrication Speed	10 900 r/min
Basic dynamic load rating C	27.5 kN
Basic static load rating (C0)	58,5 kN
Basic dynamic load rating (C)	27,5 kN
Fatigue load limit P_u	2.45 kN
Static axial stiffness for preload A	252 N/ μ m
Static axial stiffness for preload B	380 N/ μ m
Basic static load rating C_0	58.5 kN
Attainable speed for grease lubrication	10900 r/min
Attainable speed for oil-air lubrication	13000 r/min
Reference grease quantity G_{ref}	11 cm ³