



Bearing No. BTM 85 ATN9/HCP4CDB

D	130 mm
d	85 mm
B	20,25 mm
C	20,25 mm
H	40,5 mm
d1	105,8 mm
dh	103 mm
D1	112,8 mm
Weight	1,7 Kg
r4 min.	0,6 mm
Da max.	126 mm
da min.	91 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)	85x130x20.25
Width (mm)	20,25
Mass bearing	1.7 kg
D ₁	118.7 mm
d _n	102.9 mm
d ₁	105.8 mm
Bearing number	BTM 85 ATN9/HCP4CDB
Preload class A	300 N
Preload class B	900 N
d _a min.	91 mm
D _a max.	126 mm
r _a max.	1 mm

r_b max.	0.6 mm
Bore Diameter (mm)	85
Outer Diameter (mm)	130
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
(Oil) Lubrication Speed	10 900 r/min
(Grease) Lubrication Speed	9 100 r/min
Basic dynamic load rating C	33.5 kN
Basic static load rating (C ₀)	78 kN
Basic dynamic load rating (C)	33,5 kN
Fatigue load limit P_u	3.15 kN
Static axial stiffness for preload A	287 N/ μ m
Static axial stiffness for preload B	432 N/ μ m
Basic static load rating C ₀	78 kN
Attainable speed for grease lubrication	9100 r/min
Attainable speed for oil-air lubrication	10900 r/min
Reference grease quantity G_{ref}	16.8 cm ³