



Bearing No. BTM 70 ATN9/P4CDB

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	1,2 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	1.2 kg
D <sub>1</sub>	100.2 mm
d <sub>n</sub>	86.1 mm
d <sub>1</sub>	88.55 mm
Bearing number	BTM 70 ATN9/P4CDB
Preload class A	250 N
Preload class B	750 N
d <sub>a</sub> min.	76 mm
D <sub>a</sub> max.	106 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> 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	11 100 r/min
(Grease) Lubrication Speed	8 700 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	227 N/ $\mu$ m
Static axial stiffness for preload B	342 N/ $\mu$ m
Basic static load rating $C_0$	58.5 kN
Attainable speed for grease lubrication	8700 r/min
Attainable speed for oil-air lubrication	11100 r/min
Reference grease quantity $G_{ref}$	11 cm <sup>3</sup>