



Bearing No. BTM 120 ATN9/P4CDB

D	180 mm
d	120 mm
B	27 mm
C	27 mm
H	54 mm
d1	147,7 mm
dh	144 mm
D1	157,1 mm
Weight	4,55 Kg
r4 min.	1 mm
Da max.	175 mm
da min.	129 mm
r2 min.	2 mm
r3 min.	1 mm
r1 min.	2 mm
rb max.	1 mm
ra max.	2 mm
Size (mm)	120x180x27
Width (mm)	27
Mass bearing	4.55 kg
D <sub>1</sub>	165 mm
d <sub>n</sub>	144.1 mm
d <sub>1</sub>	147.7 mm
Bearing number	BTM 120 ATN9/P4CDB
Preload class A	600 N
Preload class B	1800 N
d <sub>a</sub> min.	129 mm
D <sub>a</sub> max.	175 mm
r <sub>a</sub> max.	2 mm
r <sub>b</sub> max.	1 mm

Bore Diameter (mm)	120
Outer Diameter (mm)	180
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
(Oil) Lubrication Speed	6 700 r/min
(Grease) Lubrication Speed	5 200 r/min
Basic dynamic load rating C	58.5 kN
Basic static load rating (C <sub>0</sub> )	146 kN
Basic dynamic load rating (C)	58,5 kN
Fatigue load limit $P_u$	5 kN
Static axial stiffness for preload A	377 N/ $\mu$ m
Static axial stiffness for preload B	571 N/ $\mu$ m
Basic static load rating C <sub>0</sub>	146 kN
Attainable speed for grease lubrication	5200 r/min
Attainable speed for oil-air lubrication	6700 r/min
Reference grease quantity $G_{ref}$	40 cm <sup>3</sup>