



Bearing No. BTM 120 BTN9/P4CDB

D	180 mm
d	120 mm
H	54 mm
Size (mm)	120x180x54
Width (mm)	54
Mass bearing	4.55 kg
d_n	144.1 mm
d_n	144.1 mm
D_1	165 mm
d_1	147.7 mm
D_1	165 mm
d_1	147.7 mm
Bearing number	BTM 120 BTN9/P4CDB
Preload class A	850 N
G_{ref}	40 cm
Preload class B	2550 N
Bore Diameter (mm)	120
r_b max.	1 mm
r_a max.	2 mm
D_a max.	175 mm
d_a min.	129 mm
Outer Diameter (mm)	180
$r_{3,4}$ min.	1 mm
r_a - max.	2 mm
D_a - max.	175 mm
$r_{1,2}$ min.	2 mm
d_a - min.	129 mm
r_b - max.	1 mm
$r_{3,4}$ - min.	1 mm

$r_{1,2}$ - min.	2 mm
Basic dynamic load rating C	69.5 kN
Basic dynamic load rating - C	69.5 kN
Fatigue load limit P_u	5.7 kN
Fatigue load limit - P_u	5.7 kN
Limiting speed for oil lubrication	5900 mm/min
Static axial stiffness for preload A	649 N/ μ m
Static axial stiffness for preload B	985 N/ μ m
Limiting speed for grease lubrication	4600 r/min
Static Axial rigidity, Preload class A	649 N/micron
Basic static load rating C_0	166 kN
Static Axial rigidity, Preload class B	985 N/micron
Attainable speed for grease lubrication	4600 r/min
Basic static load rating - C_0	166 kN
Attainable speed for oil-air lubrication	5900 r/min
Reference grease quantity G_{ref}	40 cm ³