



Bearing No. BTM 120 BTN9/HCP4CDB

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	4,2 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	4.2 kg
D ₁	165 mm
d _n	144.1 mm
d ₁	147.7 mm
Bearing number	BTM 120 BTN9/HCP4CDB
Preload class A	850 N
Preload class B	2550 N
d _a min.	129 mm
D _a max.	175 mm
r _a max.	2 mm

r_b 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	6 800 r/min
(Grease) Lubrication Speed	5 700 r/min
Basic dynamic load rating C	69.5 kN
Basic static load rating (C ₀)	166 kN
Basic dynamic load rating (C)	69,5 kN
Fatigue load limit P_u	5.7 kN
Static axial stiffness for preload A	720 N/ μ m
Static axial stiffness for preload B	1093 N/ μ m
Basic static load rating C ₀	166 kN
Attainable speed for grease lubrication	5700 r/min
Attainable speed for oil-air lubrication	6800 r/min
Reference grease quantity G_{ref}	40 cm ³