



Bearing No. BTM 180 BM/P4CDB

D	280 mm
d	180 mm
B	45 mm
C	45 mm
H	90 mm
d1	226,5 mm
dh	220 mm
D1	241,7 mm
Weight	21,5 Kg
r4 min.	1,1 mm
Da max.	274 mm
da min.	191 mm
r2 min.	2,1 mm
r3 min.	1,1 mm
r1 min.	2,1 mm
rb max.	1 mm
ra max.	2 mm
Size (mm)	180x280x45
Width (mm)	45
Mass bearing	21.4 kg
D ₁	254.7 mm
d _n	219.9 mm
d ₁	226.5 mm
Bearing number	BTM 180 BM/P4CDB
Preload class A	2100 N
Preload class B	6300 N
d _a min.	191 mm
D _a max.	274 mm
r _a max.	2 mm
r _b max.	1 mm

Bore Diameter (mm)	180
Outer Diameter (mm)	280
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
(Oil) Lubrication Speed	3 800 r/min
(Grease) Lubrication Speed	3 000 r/min
Basic dynamic load rating C	163 kN
Basic static load rating (C0)	425 kN
Basic dynamic load rating (C)	163 kN
Fatigue load limit P_u	11.8 kN
Static axial stiffness for preload A	1000 N/ μ m
Static axial stiffness for preload B	1504 N/ μ m
Basic static load rating C_0	425 kN
Attainable speed for grease lubrication	3000 r/min
Attainable speed for oil-air lubrication	3800 r/min
Reference grease quantity G_{ref}	160 cm ³