



Bearing No. BTM 180 BM/HCP4CDB

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	20 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	20.1 kg
D <sub>1</sub>	254.7 mm
d <sub>n</sub>	219.9 mm
d <sub>1</sub>	226.5 mm
Bearing number	BTM 180 BM/HCP4CDB
Preload class A	2100 N
Preload class B	6300 N
d <sub>a</sub> min.	191 mm
D <sub>a</sub> max.	274 mm
r <sub>a</sub> max.	2 mm
r <sub>b</sub> 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	4 300 r/min
(Grease) Lubrication Speed	3 600 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	1110 N/ $\mu$ m
Static axial stiffness for preload B	1669 N/ $\mu$ m
Basic static load rating $C_0$	425 kN
Attainable speed for grease lubrication	3600 r/min
Attainable speed for oil-air lubrication	4300 r/min
Reference grease quantity $G_{ref}$	160 cm <sup>3</sup>