



Bearing No. BTM 180 AM/HCP4CDB

D	280 mm
d	180 mm
H	90 mm
Size (mm)	180x280x90
Width (mm)	90
Mass bearing	20.1 kg
d _n	219.9 mm
d _n	219.9 mm
D ₁	254.7 mm
d ₁	226.5 mm
D ₁	254.7 mm
d ₁	226.5 mm
Bearing number	BTM 180 AM/HCP4CDB
Preload class A	1600 N
G _{ref}	160 cm
Preload class B	4800 N
Bore Diameter (mm)	180
r _b max.	1 mm
r _a max.	2 mm
D _a max.	274 mm
d _a min.	191 mm
Outer Diameter (mm)	280
r _{3,4} min.	1.1 mm
r _a - max.	2 mm
D _a - max.	274 mm
r _{1,2} min.	2.1 mm
d _a - min.	191 mm
r _b - max.	1 mm
r _{3,4} - min.	1.1 mm

$r_{1,2}$ - min.	2.1 mm
Basic dynamic load rating C	140 kN
Basic dynamic load rating - C	140 kN
Fatigue load limit P_u	10.4 kN
Fatigue load limit - P_u	10.4 kN
Limiting speed for oil lubrication	5000 mm/min
Static axial stiffness for preload A	663 N/ μ m
Static axial stiffness for preload B	1002 N/ μ m
Limiting speed for grease lubrication	4200 r/min
Static Axial rigidity, Preload class A	663 N/micron
Basic static load rating C_0	365 kN
Static Axial rigidity, Preload class B	1002 N/micron
Attainable speed for grease lubrication	4200 r/min
Basic static load rating - C_0	365 kN
Attainable speed for oil-air lubrication	5000 r/min
Reference grease quantity G_{ref}	160 cm ³