



Bearing No. BTM 180 AM/P4CDB

D	280 mm
d	180 mm
H	90 mm
Size (mm)	180x280x90
Width (mm)	90
Mass bearing	21.4 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/P4CDB
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	4400 mm/min
Static axial stiffness for preload A	597 N/ μ m
Static axial stiffness for preload B	902 N/ μ m
Limiting speed for grease lubrication	3400 r/min
Static Axial rigidity, Preload class A	597 N/micron
Basic static load rating C_0	365 kN
Static Axial rigidity, Preload class B	902 N/micron
Attainable speed for grease lubrication	3400 r/min
Basic static load rating - C_0	365 kN
Attainable speed for oil-air lubrication	4400 r/min
Reference grease quantity G_{ref}	160 cm ³