



SNR BEARING CORP.OF AMERICA



500 mm x 720 mm x 100 mm skf 70/500 BM
Single row angular contact ball bearings

Bearing No. 70/500 BM

70/500 BM Bearing 2D drawings and 3D CAD models

Size	720x500x100 mm
Bore Diameter	720 mm
Outer Diameter	500 mm
Width	100 mm
d	500 mm
D	720 mm
B	100 mm
d ₁	587 mm
d ₂	544 mm
D ₁	640 mm
a	306 mm
r _{1,2} - min.	6 mm
r _{3,4} - min.	3 mm
d _a - min.	523 mm
D _a - max.	697 mm
D _b - max.	707 mm
r _a - max.	5 mm
r _b - max.	2.5 mm
Basic dynamic load rating - C	637 kN
Basic static load rating - C ₀	1400 kN
Fatigue load limit - P _u	24.5 kN
Reference speed	800 r/min
Limiting speed	850 r/min
Calculation factor - k _r	0.083



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Calculation factor - k_a	0.9
Calculation factor - e	1.14
Calculation factor - X	0.35
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
d_1	587 mm
d_2	544 mm
D_1	640 mm
$r_{1,2}$ min.	6 mm
$r_{3,4}$ min.	3 mm
d_a min.	523 mm
D_a max.	697 mm
D_b max.	707 mm
r_a max.	5 mm
r_b max.	2.5 mm
Basic dynamic load rating C	637 kN
Basic static load rating C_0	1400 kN
Fatigue load limit P_u	24.5 kN
Calculation factor A	31.8
Calculation factor k_r	0.083
Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor Y_0	0.26
Calculation factor Y_2	0.57
Mass bearing	130 kg