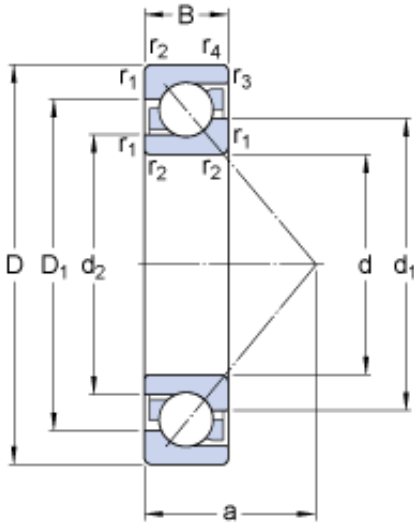




# SNR BEARING CORP.OF AMERICA



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

Bearing No. 70/500 AM

70/500 AM 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 <sub>1</sub>	587 mm
d <sub>2</sub>	544 mm
D <sub>1</sub>	640 mm
a	226 mm
r <sub>1,2</sub> - min.	6 mm
r <sub>3,4</sub> - min.	3 mm
d <sub>a</sub> - min.	523 mm
D <sub>a</sub> - max.	697 mm
D <sub>b</sub> - max.	707 mm
r <sub>a</sub> - max.	5 mm
r <sub>b</sub> - max.	2.5 mm
Basic dynamic load rating - C	715 kN
Basic static load rating - C <sub>0</sub>	1600 kN
Fatigue load limit - P <sub>u</sub>	27.5 kN
Reference speed	900 r/min
Limiting speed	950 r/min
Calculation factor - k <sub>r</sub>	0.085



## SNR BEARING CORP.OF AMERICA

Calculation factor - $k_a$	0.5
Calculation factor - e	0.8
Calculation factor - X	0.39
Calculation factor - $Y_0$	0.33
Calculation factor - $Y_1$	
Calculation factor - $Y_2$	0.76
$d_1$	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	715 kN
Basic static load rating $C_0$	1600 kN
Fatigue load limit $P_u$	27.5 kN
Calculation factor A	19
Calculation factor $k_r$	0.085
Calculation factor e	0.8
Calculation factor X	0.39
Calculation factor $Y_0$	0.33
Calculation factor $Y_2$	0.76
Mass bearing	130 kg