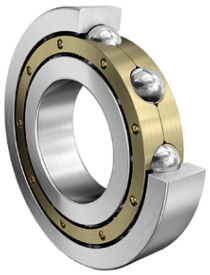
SCHAEFFLER



FAG

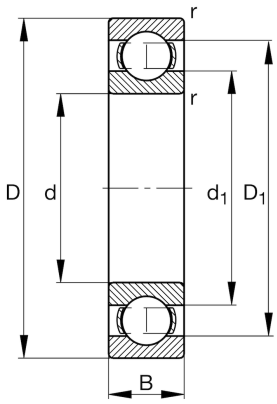
618/710-M

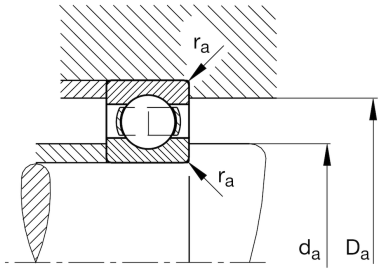
Deep groove ball bearing

Schaeffler ID:
0190971900000

Deep groove ball bearing 618..-M, single row, solid brass cage

Technical information





Main Dimensions & Performance Data

d	710 mm	Bore diameter
D	870 mm	Outside diameter
B	74 mm	Width
C_r	465,000 N	Basic dynamic load rating, radial
C_{0r}	980,000 N	Basic static load rating, radial
C_{ur}	20,600 N	Fatigue load limit, radial
n_G	1,180 1/min	Limiting speed
$n_{\vartheta r}$	720 1/min	Reference speed
≈m	94 kg	Weight

Mounting dimensions

$d_{a\ min}$	724.6 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	855.4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	3 mm	Maximum fillet radius

Dimensions

r_{min}	4 mm	Minimum chamfer dimension
D_1	820.4 mm	Shoulder diameter outer ring
d_1	761.5 mm	Shoulder diameter inner ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

Calculation factors

f_0	15.9	Calculation factor