

FAG

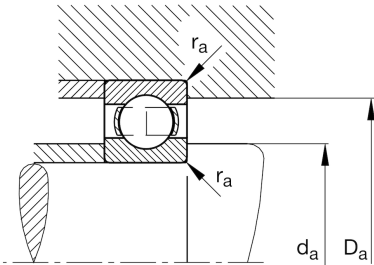
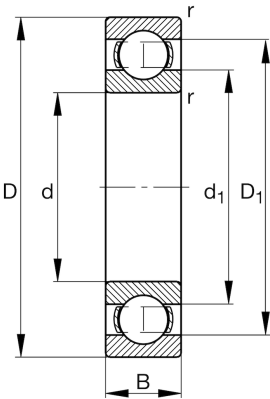
61844

Deep groove ball bearing

Schaeffler ID:
0190976460000

Deep groove ball bearing 618, single row,
steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	270 mm	Outside diameter
B	24 mm	Width
C _r	78.000 N	Basic dynamic load rating, radial
C _{0r}	97.000 N	Basic static load rating, radial
C _{ur}	3.650 N	Fatigue load limit, radial
n _G	3.200 1/min	Limiting speed
n _{gr}	2.320 1/min	Reference speed
	2,5 kg	Weight

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₁	255 mm	Shoulder diameter outer ring
d ₁	235,9 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	227 mm	Minimum diameter shaft shoulder
D _{a max}	263 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius

Calculation factors

f ₀	15,8	Calculation factor
----------------	------	--------------------

Temperature range

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