

FAG

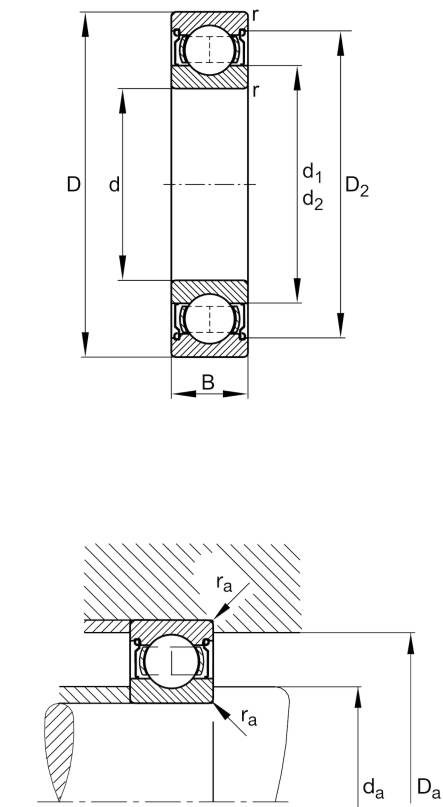
61807-2Z

Deep groove ball bearing

Schaeffler ID:
0554575410000

Deep groove ball bearing 618..-2Z, single row, shields, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	47 mm	Outside diameter
B	7 mm	Width
C _r	4.740 N	Basic dynamic load rating, radial
C _{0r}	3.820 N	Basic static load rating, radial
C _{ur}	175 N	Fatigue load limit, radial
n _G	18.300 1/min	Limiting speed
n _{gr}	9.900 1/min	Reference speed
	33 g	Weight

Dimensions

r _{min}	0,3 mm	Minimum chamfer dimension
D ₂	44 mm	Caliber diameter outer ring
d ₁	38,2 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	37 mm	Minimum diameter shaft shoulder
D _{a max}	45 mm	Maximum diameter of housing shoulder
r _{a max}	0,3 mm	Maximum fillet radius

Calculation factors

f ₀	16,4	Calculation factor
----------------	------	--------------------

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.