



FAG

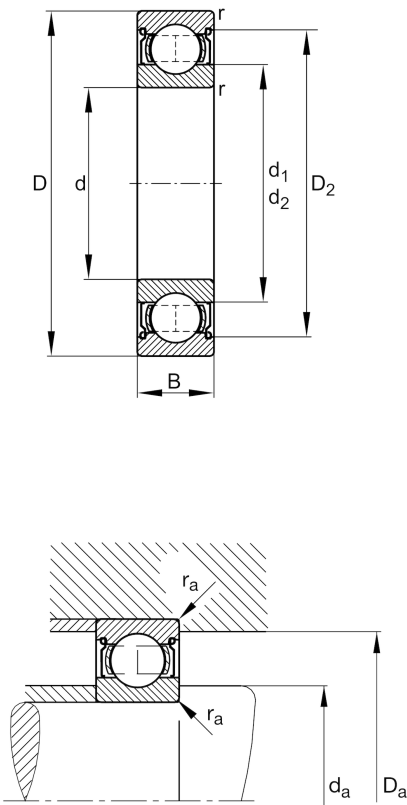
6005-2Z

Deep groove ball bearing

Schaeffler ID:
0167172790000

Deep groove ball bearing 60...-2Z, single
row, shields, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	47 mm	Outside diameter
B	12 mm	Width
C _r	10,700 N	Basic dynamic load rating, radial
C _{0r}	5,900 N	Basic static load rating, radial
C _{ur}	315 N	Fatigue load limit, radial
n _G	18,600 1/min	Limiting speed
n _{gr}	15,200 1/min	Reference speed
	79 g	Weight

Mounting dimensions

d _{a min}	28.2 mm	Minimum diameter shaft shoulder
D _{a max}	43.8 mm	Maximum diameter of housing shoulder
r _{a max}	0.6 mm	Maximum fillet radius

Dimensions

r _{min}	0.6 mm	Minimum chamfer dimension
D ₂	42.5 mm	Caliber diameter outer ring
d ₁	32 mm	Shoulder diameter inner ring

Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Calculation factors

f ₀	14.6	Calculation factor
----------------	------	--------------------