

FAG

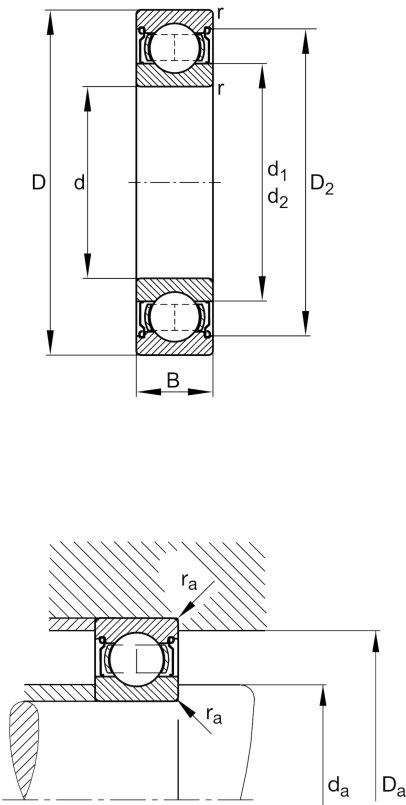
6005-2Z

Deep groove ball bearing

Schaeffler ID:
0167172790000

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

Technical information



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
	79 g	Weight

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

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

Calculation factors

f_0	14.6	Calculation factor
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Temperature range

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