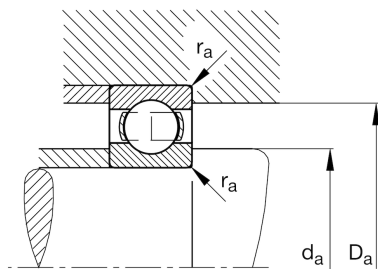
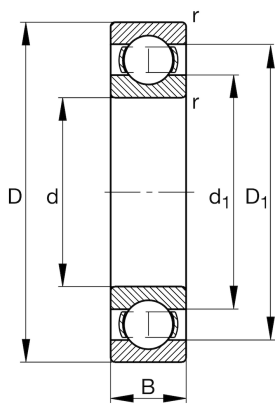


**FAG****61901**

Deep groove ball bearing

Deep groove ball bearing 619, single row,
steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	24 mm	Outside diameter
B	6 mm	Width
C _r	2,890 N	Basic dynamic load rating, radial
C _{0r}	1,460 N	Basic static load rating, radial
C _{ur}	77 N	Fatigue load limit, radial
n _G	45,000 1/min	Limiting speed
n _{gr}	23,300 1/min	Reference speed
≈m	12 g	Weight

Mounting dimensions

d _{a min}	14 mm	Minimum diameter shaft shoulder
D _{a max}	22 mm	Maximum diameter of housing shoulder
r _{a max}	0.3 mm	Maximum fillet radius

Dimensions

r _{min}	0.3 mm	Minimum chamfer dimension
D ₁	20.3 mm	Shoulder diameter outer ring
d ₁	16 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

f ₀	14.5	Calculation factor
----------------	------	--------------------