



FAG

★ 21314-E1-XL

Spherical roller bearing

Schaeffler ID:
0224679800000Spherical roller bearings 213...-E1, main
dimensions to DIN 635-2

★ Preferred product

X-life

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.
	3,062 kg	Weight

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C_r	250.000 N	Basic dynamic load rating, radial
C_{0r}	270.000 N	Basic static load rating, radial
C_{ur}	34.500 N	Fatigue load limit, radial
n_G	6.200 1/min	Limiting speed
n_{gr}	3.950 1/min	Reference speed

Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	126,2 mm	Bore diameter outer ring
d_2	94,9 mm	Raceway diameter of the inner ring
d_s	3,2 mm	Diameter lubrication hole
n_s	6,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	82 mm	Minimum diameter shaft shoulder
$D_{a max}$	138 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,1 mm	Maximum recess radius

Additional information

e	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,14	Dynamic axial load factor
Y ₂	4,67	Dynamic axial load factor
Y ₀	3,07	Static axial load factor