

FAG

22207-E1-XL-K

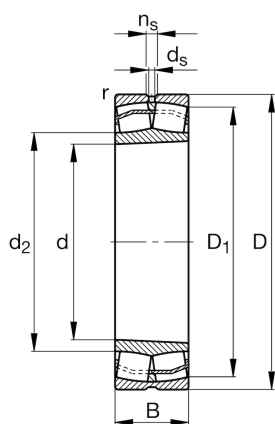
Spherical roller bearing

Schaeffler ID:
0190003320000

Spherical roller bearings 222...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Technical information



Main Dimensions & Performance Data

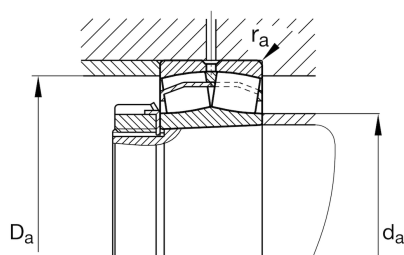
d	35 mm	Bore diameter
D	72 mm	Outside diameter
B	23 mm	Width
C_r	89,000 N	Basic dynamic load rating, radial
C_{0r}	81,000 N	Basic static load rating, radial
C_{ur}	9,700 N	Fatigue load limit, radial
n_G	10,700 1/min	Limiting speed
n_{gr}	7,000 1/min	Reference speed
	0.414 kg	Weight

Dimensions

r_{min}	1.1 mm	Minimum chamfer dimension
D_1	62.5 mm	Bore diameter outer ring
d_2	43.9 mm	Raceway diameter of the inner ring
d_s	3.2 mm	Diameter lubrication hole
n_s	4.8 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	42 mm	Minimum diameter shaft shoulder
$d_{a max}$	43 mm	Maximum diameter of shaft shoulder
$D_{a max}$	65 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum recess radius
$d_{b min}$	39 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	5 mm	Minimum cavity width of the sleeve



Additional information

e	0.31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H307	Adapter sleeve
Y ₁	2.21	Dynamic axial load factor
Y ₂	3.29	Dynamic axial load factor
Y ₀	2.16	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.