

FAG

★ 21308-E1-XL-K

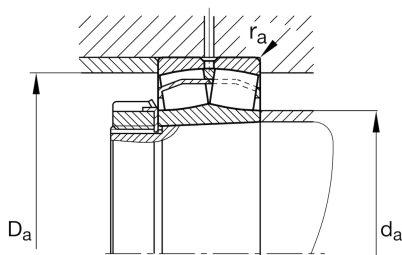
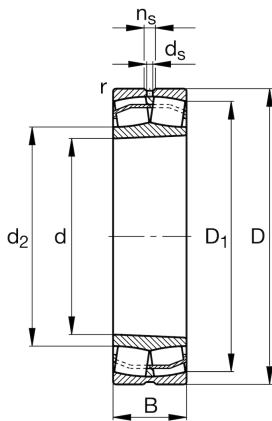
Spherical roller bearing

Schaeffler ID:
0219424800000Spherical roller bearings 213...E1-K, main
dimensions to DIN 635-2, with tapered
bore, taper 1:12

★ Preferred product

X-life

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.
	0,713 kg	Weight

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
C_r	109.000 N	Basic dynamic load rating, radial
C_{0r}	107.000 N	Basic static load rating, radial
C_{ur}	14.600 N	Fatigue load limit, radial
n_G	9.800 1/min	Limiting speed
n_{gr}	5.200 1/min	Reference speed

Dimensions

r_{min}	1,5 mm	Minimum chamfer dimension
D_1	80,8 mm	Bore diameter outer ring
d_2	59,9 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

$d_{a min}$	49 mm	Minimum diameter shaft shoulder
$d_{a max}$	59 mm	Maximum diameter of shaft shoulder
$D_{a max}$	81 mm	Maximum diameter of housing shoulder
$r_{a max}$	1,5 mm	Maximum recess radius
$d_{b min}$	44 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	5 mm	Minimum cavity width of the sleeve

Additional information

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H308	Adapter sleeve
Y ₁	2,95	Dynamic axial load factor
	AH308	Withdrawal sleeve
Y ₂	4,4	Dynamic axial load factor
Y ₀	2,89	Static axial load factor