

FAG

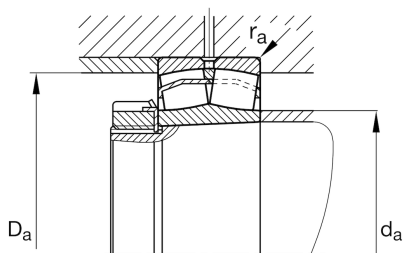
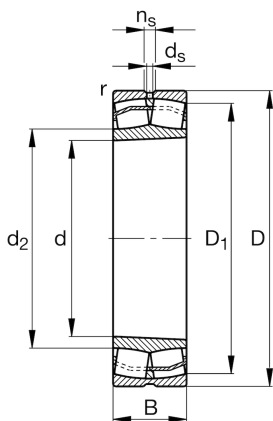
21319-E1-XL-K-TVPB

Spherical roller bearing

Schaeffler ID:
0190148800000Spherical roller bearings 213..-E1-K, main
dimensions to DIN 635-2, with tapered
bore, taper 1:12

X-life

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	6,414 kg	Weight

Main Dimensions & Performance Data

d	95 mm	Bore diameter
D	200 mm	Outside diameter
B	45 mm	Width
C_r	425.000 N	Basic dynamic load rating, radial
C_{0r}	450.000 N	Basic static load rating, radial
C_{ur}	48.500 N	Fatigue load limit, radial
n_G	4.600 1/min	Limiting speed
n_{gr}	3.250 1/min	Reference speed

Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
D_1	169,4 mm	Bore diameter outer ring
d_2	124,3 mm	Raceway diameter of the inner ring
d_s	4,8 mm	Diameter lubrication hole
n_s	9,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a \min}$	109 mm	Minimum diameter shaft shoulder
$D_{a \max}$	186 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius
$B_{a \min}$	7 mm	Minimum cavity width of the sleeve
$d_{a \max}$	124 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	102 mm	Minimum cavity diameter of the sleeve

Additional information

	H319	Adapter sleeve
e	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,04	Dynamic axial load factor
	AHX319	Withdrawal sleeve
Y ₂	4,53	Dynamic axial load factor
Y ₀	2,97	Static axial load factor