

FAG

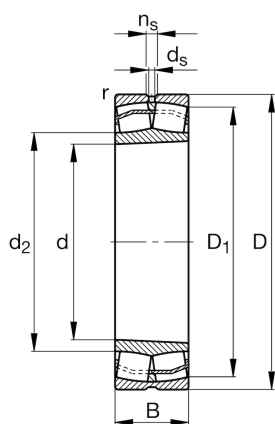
22234-E1-XL-K

Spherical roller bearing

Schaeffler ID:
0190183120000Spherical 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

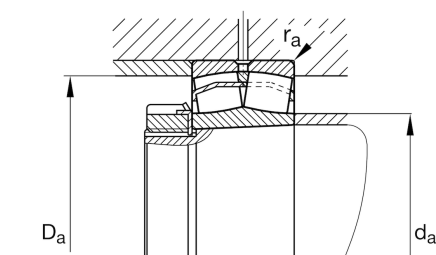
d	170 mm	Bore diameter
D	310 mm	Outside diameter
B	86 mm	Width
C_r	1.320.000 N	Basic dynamic load rating, radial
C_{0r}	1.570.000 N	Basic static load rating, radial
C_{ur}	144.000 N	Fatigue load limit, radial
n_G	2.550 1/min	Limiting speed
n_{gr}	1.780 1/min	Reference speed
	26,856 kg	Weight

Dimensions

$d_{a \min}$	187 mm	Minimum diameter shaft shoulder
r_{\min}	4 mm	Minimum chamfer dimension
D_1	275,4 mm	Bore diameter outer ring
$d_{a \max}$	199 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	293 mm	Maximum diameter of housing shoulder
d_2	199,8 mm	Raceway diameter of the inner ring
d_s	9,5 mm	Diameter lubrication hole
$r_{a \max}$	3 mm	Maximum recess radius
$d_{b \min}$	180 mm	Minimum cavity diameter of the sleeve
n_s	17,7 mm	Width of lubricating groove
$B_{a \min}$	10 mm	Minimum cavity width of the sleeve

Additional information

H3134	Adapter sleeve
AH3134A	Withdrawal sleeve



Calculation factors

e	0,26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,6	Dynamic axial load factor
Y ₂	3,87	Dynamic axial load factor
Y ₀	2,54	Static axial load factor

Temperature range

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