



FAG

23218-E1A-XL-K-M

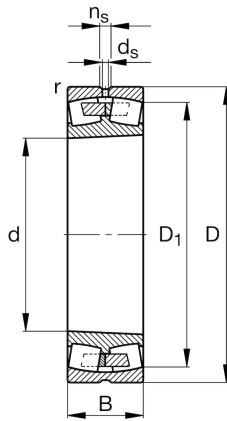
Spherical roller bearing

Schaeffler ID:
0190351100000

Spherical roller bearings 232..-E1A-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Technical information



Main Dimensions & Performance Data

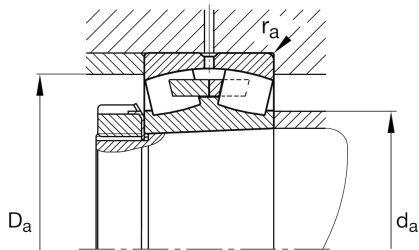
d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	52,4 mm	Width
C_r	445.000 N	Basic dynamic load rating, radial
C_{0r}	520.000 N	Basic static load rating, radial
C_{ur}	50.000 N	Fatigue load limit, radial
n_G	4.250 1/min	Limiting speed
n_{gr}	2.650 1/min	Reference speed
	4,326 kg	Weight

Additional information

r_{min}	2 mm	Minimum chamfer dimension
	H2318	Adapter sleeve
D_1	140 mm	Bore diameter outer ring
	AHX3218	Withdrawal sleeve
d_s	3,2 mm	Diameter lubrication hole
n_s	6,5 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	101 mm	Minimum diameter shaft shoulder
$D_{a max}$	149 mm	Maximum diameter of housing shoulder
$r_{a max}$	2 mm	Maximum recess radius
$d_{a max}$	107 mm	Maximum diameter of shaft shoulder
$d_{b min}$	100 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	18 mm	Minimum cavity width of the sleeve



Calculation factors

e	0,31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,2	Dynamic axial load factor
Y ₂	3,27	Dynamic axial load factor
Y ₀	2,15	Static axial load factor

Temperature range

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