

FAG

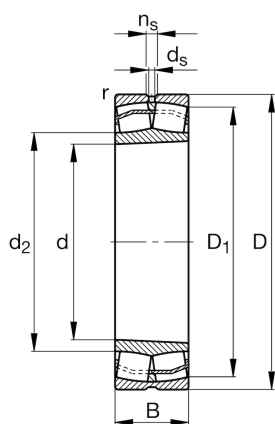
22320-E1-XL-K

Spherical roller bearing

Schaeffler ID:
0190063810000Spherical roller bearings 223..-E1-K, main
dimensions to DIN 635-2, with tapered
bore, taper 1:12

X-life

Technical information

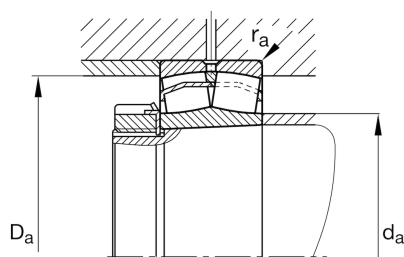


Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	215 mm	Outside diameter
B	73 mm	Width
C_r	810.000 N	Basic dynamic load rating, radial
C_{0r}	920.000 N	Basic static load rating, radial
C_{ur}	77.000 N	Fatigue load limit, radial
n_G	3.300 1/min	Limiting speed
n_{gr}	2.380 1/min	Reference speed
	12,855 kg	Weight

Temperature range

$d_{a \min}$	114 mm	Minimum diameter shaft shoulder
T_{\min}	-30 °C	Operating temperature min.
$d_{a \max}$	129 mm	Maximum diameter of shaft shoulder
T_{\max}	200 °C	Operating temperature max.
$D_{a \max}$	201 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius
$d_{b \min}$	110 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	7 mm	Minimum cavity width of the sleeve



Additional information

e	0,33	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
r _{min}	3 mm	Minimum chamfer dimension
	H2320	Adapter sleeve
D ₁	184,7 mm	Bore diameter outer ring
Y ₁	2,03	Dynamic axial load factor
	AHX2320	Withdrawal sleeve
Y ₂	3,02	Dynamic axial load factor
d ₂	130,2 mm	Raceway diameter of the inner ring
d _s	6,3 mm	Diameter lubrication hole
Y ₀	1,98	Static axial load factor
n _s	12,2 mm	Width of lubricating groove