

FAG

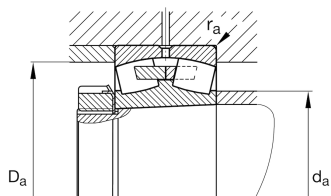
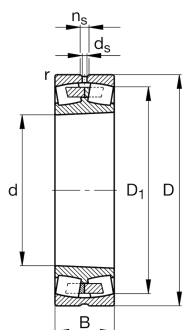
22230-E1A-XL-K-M

Spherical Roller Bearing

Spherical roller bearing 222...-E1A-XL-K-M,
symmetric 2 outer ribsMateriálové číslo Schaeffler:
0190179950000

X-life

Technické informace



Vaše aktuální varianta produktu

Design	E1A	without central rip
Bore type	K	Tapered, taper 1:12
Cage	M	Brass Cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	150 mm	Bore diameter
D	270 mm	Outside diameter
B	73 mm	Width
C _r	1.010.000 N	Basic dynamic load rating, radial
C _{0r}	1.210.000 N	Basic static load rating, radial
C _{ur}	114.000 N	Fatigue load limit, radial
n _G	2.900 1/min	Limiting speed
n _{gr}	2.050 1/min	Reference speed
≈m	17,283 kg	Hmotnost



Mounting dimensions

$d_{a\ min}$	164 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	256 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,5 mm	Maximum recess radius
$d_{a\ max}$	177 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	160 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	15 mm	Minimum cavity width of the sleeve

Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
D_1	240,8 mm	Bore diameter outer ring
d_2	177,9 mm	Raceway diameter of the inner ring
d_s	8 mm	Diameter lubrication hole
n_s	15 mm	Width of lubricating groove

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

Calculation factors

e	0,25	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,69	Dynamic axial load factor
Y_2	4	Dynamic axial load factor
Y_0	2,63	Static axial load factor

Additional information

H3130	Adapter sleeve
AHX3130G	Withdrawal sleeve



Vlastnosti



Radiální zatížení



Axiální zatížení v jednom směru



Axiální zatížení ve dvou směrech



Mazání (plastickým) mazivem



Mazání olejem



Neutěsněné



Dynamická úhlová chyba a vychýlení