

FAG

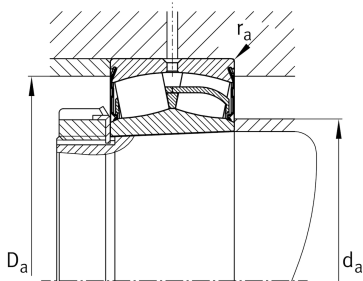
WS22226-E1-XL-K-2RSR-C3

Spherical Roller Bearing

Spherical roller bearing WS222..-E1-XL-K-2RSR, symmetric with cage guidance ring

X-life

Technical information



Your current product variant

Design	E1	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	JPA	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication	Standard	
Type of Sealing	2RSR	Seals on both sides, normal temperature
Sealing - excess width	WS	Sealing - excess width

Main Dimensions & Performance Data

d	130 mm	Bore diameter
D	230 mm	Outside diameter
B	75 mm	Width
C _r	760.000 N	Basic dynamic load rating, radial
C _{0r}	890.000 N	Basic static load rating, radial
C _{ur}	81.000 N	Fatigue load limit, radial
n _G	840 1/min	Limiting speed
≈m	11,929 kg	Weight



Mounting dimensions

$d_{a \min}$	144 mm	Minimum diameter shaft shoulder
$d_{a \max}$	146,6 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	217,5 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius
$d_{b \min}$	138 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	8 mm	Minimum cavity width of the sleeve

Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
D_1	217,5 mm	Bore diameter outer ring
d_2	146,6 mm	Raceway diameter of the inner ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	100 °C	Operating temperature max.

Calculation factors









e	0,26	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,62	Dynamic axial load factor
Y_2	3,9	Dynamic axial load factor
Y_0	2,56	Static axial load factor

Additional information

H2226-T-WS	Adapter sleeve
AH2226-WS	Withdrawal sleeve



Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides
-  Static angular error and misalignment
-  Dynamic angular error and misalignment