



FAG

WS22226-E1-XL-K-2RSR

Spherical Roller Bearing

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

X-life

Technical information

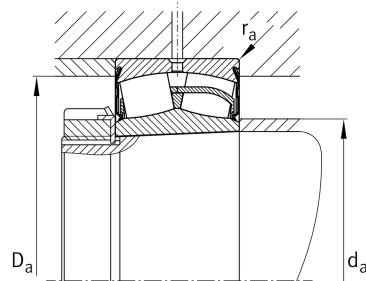


Your current product variant

Design	E1	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	JPA	Sheet metal cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication facility	Standard	
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	11,96 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