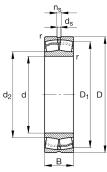


# 22315-E1-XL ☑

Spherical Roller Bearing

Spherical roller bearings 223..-E1, main dimensions to DIN 635-2

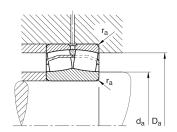
### Technical information



T		r		ds	-	i '	i
d <sub>2</sub>	d	-		- —	r D <sub>1</sub>	D	
1	Ţ		122			! ,	

# Your current product variant

Design	E1	without central rip
Bore type	Z	Cylindrical
Cage	JPA	Sheet metal cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication feature	Standard	



# **Main Dimensions & Performance Data**

d	75 mm	Bore diameter
D	160 mm	Outside diameter
В	55 mm	Width
C <sub>r</sub>	445,000 N	Basic dynamic load rating, radial
C <sub>Or</sub>	450,000 N	Basic static load rating, radial
C ur	41,500 N	Fatigue load limit, radial
n G	4,500 1/min	Limiting speed
n <sub>9r</sub>	3,550 1/min	Reference speed
≈m	5.286 kg	Weight

# **Mounting dimensions**

d a min	87 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	148 mm	Maximum diameter of housing shoulder
r a max	2.1 mm	Maximum recess radius

#### **Dimensions**

<sup>r</sup> min	2.1 mm	Minimum chamfer dimension
D 1	136.3 mm	Bore diameter outer ring
d <sub>2</sub>	92.4 mm	Raceway diameter of the inner ring
d <sub>S</sub>	4.8 mm	Diameter lubrication hole
n <sub>S</sub>	9.5 mm	Width of lubricating groove

# Temperature range

T min	-30 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.

### **Calculation factors**

е	0.34	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	1.99	Dynamic axial load factor
Y 2	2.96	Dynamic axial load factor
Υ 0	1.94	Static axial load factor



### **Characteristics**



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment