



FAG

**22348-BEA-XL-MA1-T41A**

Spherical Roller Bearing

Spherical roller bearing 223..-BEA-XL-MA1-T41A, symmetric 2 outer ribs with rib washer

X-life

## Technical information



## Your current product variant

Design	BEA	With lose center lip ring
Bore type	Z	Cylindrical
Cage	MA	Solid brass cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication facility	Standard	
Spherical roller bearing for vibrating screens	T41A	For vibrating screens

## Main Dimensions &amp; Performance Data

d	240 mm	Bore diameter
D	500 mm	Outside diameter
B	155 mm	Width
$C_r$	3.200.000 N	Basic dynamic load rating, radial
$C_{0r}$	4.050.000 N	Basic static load rating, radial
$C_{ur}$	315.000 N	Fatigue load limit, radial
$n_G$	1.510 1/min	Limiting speed
$n_{gr}$	830 1/min	Reference speed
$m$	151 kg	Weight



### Mounting dimensions

$d_{a \min}$	260 mm	Minimum diameter shaft shoulder
$D_{a \max}$	480 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius

### Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
$D_1$	426,4 mm	Bore diameter outer ring
$d_s$	12,5 mm	Diameter lubrication hole
$n_s$	23,5 mm	Width of lubricating groove

### Temperature range

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

### Calculation factors

$e$	0,32	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,12	Dynamic axial load factor
$Y_2$	3,15	Dynamic axial load factor
$Y_0$	2,07	Static axial load factor



### Characteristics

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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