



FAG

**23340-BEA-XL-MA1-T41A**

Spherical Roller Bearing

X-life

## Technical information



## Your current product variant

Design	BEA	With lose center lip ring
Bore type	Z	Cylindrical
Cage	MA1	Solid brass cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication facility	Standard	
Locating feature, bearing outer ring	Without	
Handling thread holes	Without	
Special material	Standard	
Spherical roller bearing for vibrating screens	T41A	For vibrating screens

## Main Dimensions &amp; Performance Data

d	200 mm	Bore diameter
D	420 mm	Outside diameter
B	165 mm	Width
C <sub>r</sub>	2.950.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	3.700.000 N	Basic static load rating, radial
C <sub>ur</sub>	270.000 N	Fatigue load limit, radial
n <sub>G</sub>	1.600 1/min	Limiting speed
≈m	112,6 kg	Weight



### Mounting dimensions

$d_{a \min}$	220 mm	Minimum diameter shaft shoulder
$D_{a \max}$	400 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius

### Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
$D_1$	348,6 mm	Bore diameter outer ring
$d_s$	9,5 mm	Diameter lubrication hole
$n_s$	17,7 mm	Width of lubricating groove

### Temperature range

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

### Calculation factors

$e$	0,41	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1,64	Dynamic axial load factor
$Y_2$	2,44	Dynamic axial load factor
$Y_0$	1,6	Static axial load factor



### Characteristics

---

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Large bearing
-  Static angular error and misalignment
-  Dynamic angular error and misalignment