



## Technical information



### Your current product variant

Design	E1	Without central rip
Bore type	Z	Cylindrical
Cage	JPA	Sheet metal cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	
Spherical roller bearing for vibrating screens	T41D	For vibrating screens, bore thin layer chromium coated

### Main Dimensions & Performance Data

d	95 mm	Bore diameter
D	200 mm	Outside diameter
B	67 mm	Width
$C_r$	670.000 N	Basic dynamic load rating, radial
$C_{0r}$	700.000 N	Basic static load rating, radial
$C_{ur}$	61.000 N	Fatigue load limit, radial
$n_G$	3.700 1/min	Limiting speed
$n_{gr}$	2.800 1/min	Reference speed
$m$	9,878 kg	Weight



### Mounting dimensions

$d_{a \min}$	109 mm	Minimum diameter shaft shoulder
$D_{a \max}$	186 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius

### Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$D_1$	171,2 mm	Bore diameter outer ring
$d_2$	116 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.
$T_{\max}$	200 °C	Operating temperature max.

### Calculation factors

$e$	0,33	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,03	Dynamic axial load factor
$Y_2$	3,02	Dynamic axial load factor
$Y_0$	1,98	Static axial load factor