

**FAG****21305-E1-XL-TVPB-C3** [↗](#)

Spherical Roller Bearing

X-life

Technical information

Your current product variant

Cage	TVPB	Plastic cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width
C_r	52.000 N	Basic dynamic load rating, radial
C_{0r}	43.500 N	Basic static load rating, radial
C_{ur}	4.900 N	Fatigue load limit, radial
n_G	13.900 1/min	Limiting speed
n_{gr}	8.400 1/min	Reference speed
m	0,25 kg	Weight

Mounting dimensions

$d_{a \min}$	32 mm	Minimum diameter shaft shoulder
$D_{a \max}$	55 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum recess radius



Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
D_1	51 mm	Bore diameter outer ring
d_2	35,2 mm	Raceway diameter of the inner ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Calculation factors

e	0,28	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,43	Dynamic axial load factor
Y_2	3,61	Dynamic axial load factor
Y_0	2,37	Static axial load factor