



FAG

21304-E1-XL-TVPB

Spherical roller bearing

Schaeffler ID:
0167022040000Spherical roller bearings 213...E1, main
dimensions to DIN 635-2

X-life

Technical information

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C_r	41,000 N	Basic dynamic load rating, radial
C_{0r}	33,000 N	Basic static load rating, radial
C_{ur}	3,800 N	Fatigue load limit, radial
n_G	16,000 1/min	Limiting speed
n_{gr}	9,700 1/min	Reference speed
	0.158 kg	Weight

Dimensions

r_{min}	1.1 mm	Minimum chamfer dimension
D_1	43 mm	Bore diameter outer ring
d_2	28.9 mm	Raceway diameter of the inner ring

Mounting dimensions

$d_{a min}$	27 mm	Minimum diameter shaft shoulder
$D_{a max}$	45 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum recess radius

Additional information

e	0.3	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2.25	Dynamic axial load factor
Y_2	3.34	Dynamic axial load factor
Y_0	2.2	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.