



FAG

**21304-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 &amp; Performance Data

d	20 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C <sub>r</sub>	41.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	33.000 N	Basic static load rating, radial
C <sub>ur</sub>	3.800 N	Fatigue load limit, radial
n <sub>G</sub>	16.000 1/min	Limiting speed
n <sub>gr</sub>	9.700 1/min	Reference speed
m	0,158 kg	Weight

## Mounting dimensions

d <sub>a min</sub>	27 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	45 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum recess radius



### 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

### Temperature range

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

### Calculation factors

$e$	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