



FAG

**22312-E1-XL-T41A**

Spherical roller bearing

Schaeffler ID:  
0190197420000Spherical roller bearing 223..-E1-XL-T41A,  
symmetric with cage guidance ring

X-life

## Technical information

**Main Dimensions & Performance Data**

d	60 mm	Bore diameter
D	130 mm	Outside diameter
B	46 mm	Width
$C_r$	310,000 N	Basic dynamic load rating, radial
$C_{0r}$	310,000 N	Basic static load rating, radial
$C_{ur}$	29,000 N	Fatigue load limit, radial
$n_G$	5,400 1/min	Limiting speed
$n_{gr}$	4,200 1/min	Reference speed
	3 kg	Weight

**Dimensions**

$r_{min}$	2.1 mm	Minimum chamfer dimension
$D_1$	110.1 mm	Bore diameter outer ring
$d_2$	74.8 mm	Raceway diameter of the inner ring
$d_s$	3.2 mm	Diameter lubrication hole
$n_s$	6.5 mm	Width of lubricating groove

**Mounting dimensions**

$d_{a min}$	72 mm	Minimum diameter shaft shoulder
$D_{a max}$	118 mm	Maximum diameter of housing shoulder
$r_{a max}$	2.1 mm	Maximum recess radius

**Additional information**

e	0.35	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1.91	Dynamic axial load factor
$Y_2$	2.85	Dynamic axial load factor
$Y_0$	1.87	Static axial load factor

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.