



FAG

23218-E1-XL-TVPB

Spherical roller bearing

Schaeffler ID:
0167083000000Spherical roller bearings 232...E1, main
dimensions to DIN 635-2

X-life

Technical information

**Main Dimensions & Performance Data**

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	52,4 mm	Width
C_r	445.000 N	Basic dynamic load rating, radial
C_{0r}	520.000 N	Basic static load rating, radial
C_{ur}	50.000 N	Fatigue load limit, radial
n_G	4.250 1/min	Limiting speed
n_{gr}	2.650 1/min	Reference speed
	4,228 kg	Weight

Mounting dimensions

$d_{a \min}$	101 mm	Minimum diameter shaft shoulder
$D_{a \max}$	149 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum recess radius

Temperature range

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

Dimensions

e	0,31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
r _{min}	2 mm	Minimum chamfer dimension
D ₁	140 mm	Bore diameter outer ring
Y ₁	2,2	Dynamic axial load factor
Y ₂	3,27	Dynamic axial load factor
d ₂	104,1 mm	Raceway diameter of the inner ring
Y ₀	2,15	Static axial load factor
d _s	3,2 mm	Diameter lubrication hole
n _s	6,5 mm	Width of lubricating groove