



FAG

22212-E1-XL

Spherical roller bearing

Schaeffler ID:
0167036930000Spherical roller bearings 222...-E1, main
dimensions to DIN 635-2

X-life

Technical information

**Main Dimensions & Performance Data**

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	28 mm	Width
C_r	160.000 N	Basic dynamic load rating, radial
C_{0r}	155.000 N	Basic static load rating, radial
C_{ur}	20.700 N	Fatigue load limit, radial
n_G	8.100 1/min	Limiting speed
n_{gr}	4.550 1/min	Reference speed
	1,098 kg	Weight

Dimensions

r_{min}	1,5 mm	Minimum chamfer dimension
D_1	98,7 mm	Bore diameter outer ring
d_2	71,6 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

$d_{a min}$	69 mm	Minimum diameter shaft shoulder
$D_{a max}$	101 mm	Maximum diameter of housing shoulder
$r_{a max}$	1,5 mm	Maximum recess radius

Additional information

e	0,23	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,98	Dynamic axial load factor
Y_2	4,44	Dynamic axial load factor
Y_0	2,92	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.