

FAG

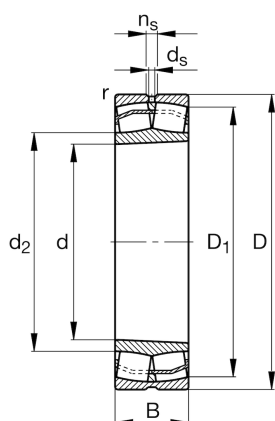
**22212-E1-XL-K**

Spherical roller bearing

Schaeffler ID:  
0167037150000Spherical roller bearings 222...-E1-K, main  
dimensions to DIN 635-2, with tapered  
bore, taper 1:12

X-life

## Technical information



## Additional information

H312	Adapter sleeve
AHX312	Withdrawal sleeve
1,078 kg	Weight

## Main Dimensions &amp; Performance Data

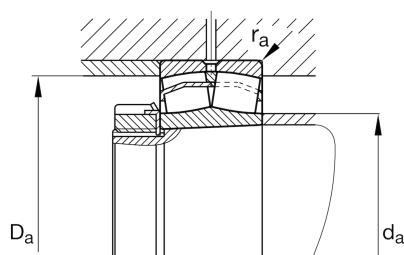
d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	28 mm	Width
C <sub>r</sub>	160.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	155.000 N	Basic static load rating, radial
C <sub>ur</sub>	20.700 N	Fatigue load limit, radial
n <sub>G</sub>	8.100 1/min	Limiting speed
n <sub>gr</sub>	4.550 1/min	Reference speed

## Dimensions

r <sub>min</sub>	1,5 mm	Minimum chamfer dimension
D <sub>1</sub>	98,7 mm	Bore diameter outer ring
d <sub>2</sub>	71,6 mm	Raceway diameter of the inner ring
d <sub>s</sub>	3,2 mm	Diameter lubrication hole
n <sub>s</sub>	6,5 mm	Width of lubricating groove

## Mounting dimensions

d <sub>a min</sub>	69 mm	Minimum diameter shaft shoulder
d <sub>a max</sub>	71 mm	Maximum diameter of shaft shoulder
D <sub>a max</sub>	101 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1,5 mm	Maximum recess radius
d <sub>b min</sub>	65 mm	Minimum cavity diameter of the sleeve
B <sub>a min</sub>	8 mm	Minimum cavity width of the sleeve



**Temperature range**

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

**Calculation factors**

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