

FAG

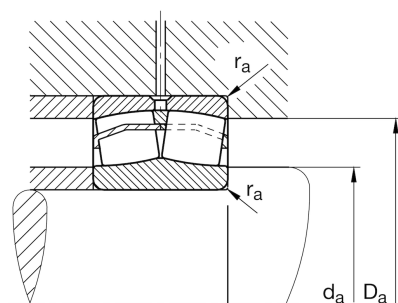
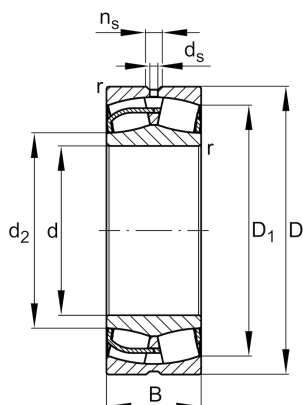
**22248-BE-XL**

Spherical roller bearing

Schaeffler ID:  
0625628000000Spherical roller bearings 222...-E1, main  
dimensions to DIN 635-2

X-life

## Technical information

**Main Dimensions & Performance Data**

d	240 mm	Bore diameter
D	440 mm	Outside diameter
B	120 mm	Width
$C_r$	2.230.000 N	Basic dynamic load rating, radial
$C_{0r}$	2.900.000 N	Basic static load rating, radial
$C_{ur}$	255.000 N	Fatigue load limit, radial
$n_G$	1.900 1/min	Limiting speed
$n_{gr}$	1.200 1/min	Reference speed
	78,73 kg	Weight

**Additional information**

$r_{min}$	4 mm	Minimum chamfer dimension
$D_1$	380,4 mm	Bore diameter outer ring
$d_2$	285,6 mm	Raceway diameter of the inner ring
$d_s$	12,5 mm	Diameter lubrication hole
$n_s$	23,5 mm	Width of lubricating groove

**Mounting dimensions**

$d_{a min}$	257 mm	Minimum diameter shaft shoulder
$D_{a max}$	423 mm	Maximum diameter of housing shoulder
$r_{a max}$	3 mm	Maximum recess radius

**Calculation factors**

e	0,26	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,55	Dynamic axial load factor
$Y_2$	3,8	Dynamic axial load factor
$Y_0$	2,5	Static axial load factor

**Temperature range**

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