

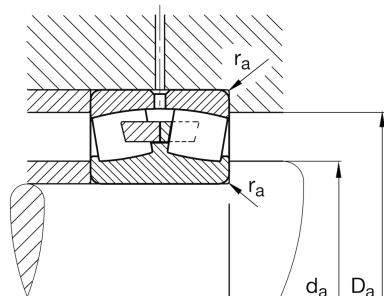
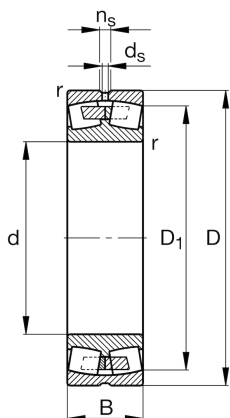
FAG

**23948-MB**

Spherical roller bearing

Schaeffler ID:  
0167090040000Spherical roller bearing 239..-MB,  
symmetric 3 ribs

## Technical information

**Main Dimensions & Performance Data**

d	240 mm	Bore diameter
D	320 mm	Outside diameter
B	60 mm	Width
$C_r$	640.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.370.000 N	Basic static load rating, radial
$C_{ur}$	96.000 N	Fatigue load limit, radial
$n_G$	2.440 1/min	Limiting speed
$n_{gr}$	1.310 1/min	Reference speed
	13,39 kg	Weight

**Additional information**

$r_{min}$	2,1 mm	Minimum chamfer dimension
$D_1$	297,8 mm	Bore diameter outer ring
$d_s$	6,3 mm	Diameter lubrication hole
$n_s$	12,2 mm	Width of lubricating groove

**Mounting dimensions**

$d_{a min}$	250,2 mm	Minimum diameter shaft shoulder
$D_{a max}$	309,8 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,1 mm	Maximum recess radius

**Calculation factors**

e	0,17	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	4,05	Dynamic axial load factor
$Y_2$	6,04	Dynamic axial load factor
$Y_0$	3,96	Static axial load factor

**Temperature range**

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