

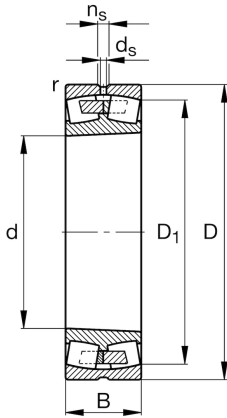
FAG

**239/750-K-MB-C3**

Spherical Roller Bearing

Schaeffler ID:  
0190410980030Spherical roller bearing 239..-K-MB,  
symmetric 3 ribs

## Technical information



## Main Dimensions &amp; Performance Data

d	29,528 in	Bore diameter
D	39,37 in	Outside diameter
B	7,283 in	Width
$C_r$	1.169.064,748 lbf	Basic dynamic load rating, radial
$C_{0r}$	2.922.661,871 lbf	Basic static load rating, radial
$C_{ur}$	182.104,317 lbf	Fatigue load limit, radial
$n_G$	640 1/min	Limiting speed
$n_{gr}$	325 1/min	Reference speed
	884,053 lbs	Weight

## Mounting dimensions

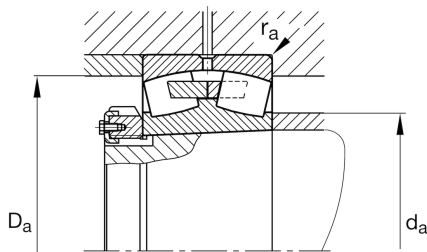
$d_{a \min}$	30,433 in	Minimum diameter shaft shoulder
$D_{a \max}$	38,465 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,197 in	Maximum recess radius
$d_{a \max}$	31,89 in	Maximum diameter of shaft shoulder
$d_{b \min}$	30,354 in	Minimum cavity diameter of the sleeve
$B_{a \min}$	0,906 in	Minimum cavity width of the sleeve

## Dimensions

$r_{\min}$	0,236 in	Minimum chamfer dimension
$D_1$	36,346 in	Bore diameter outer ring
$d_s$	0,492 in	Diameter lubrication hole
$n_s$	0,925 in	Width of lubricating groove

## Temperature range

$T_{\min}$	-22 °F	Operating temperature min.
$T_{\max}$	392 °F	Operating temperature max.



**Calculation factors**

e	0,17	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	3,95	Dynamic axial load factor
Y <sub>2</sub>	5,88	Dynamic axial load factor
Y <sub>0</sub>	3,86	Static axial load factor

**Additional information**

H39/750-HG	Adapter sleeve
AH39/750-H	Withdrawal sleeve