

**FAG****222SM80-TVPA**

## Spherical Roller Bearing

Spherical roller bearings 222SM, Split spherical roller bearings

## Technical information

**Your current product variant**

Design	E1	Without central rip
Bore type	Z	Cylindrical
Cage	TVPA	Plastic cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication	Standard	
Splitted	SM	Split bearing metric

**Main Dimensions & Performance Data**

d	80 mm	Bore diameter
D	160 mm	Outside diameter
C	40 mm	Width, outer ring
$C_r$	213.000 N	Basic dynamic load rating, radial
$C_{0r}$	270.000 N	Basic static load rating, radial
$C_{ur}$	26.500 N	Fatigue load limit, radial
$n_G$	2.160 1/min	Limiting speed
$F_{a \max}$	7.600 N	Maximum axial load
$\approx m$	5 kg	Weight

**Mounting dimensions**

$M_i$	14 Nm	Tightening torque clamping screw
$M_a$	8,5 Nm	Tightening torque clamping screw



### Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$d_1$	80 mm	Bore diameter IR/WS
B	70 mm	Width inner ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

### Calculation factors

e	0,22	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	3,14	Dynamic axial load factor
$Y_2$	4,67	Dynamic axial load factor
$Y_0$	3,07	Static axial load factor










### Additional information

22218K	Bearing designation
H318	Adapter sleeve
SNV160	Housing



### Characteristics

---

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Split
-  Static angular error and misalignment
-  Dynamic angular error and misalignment