

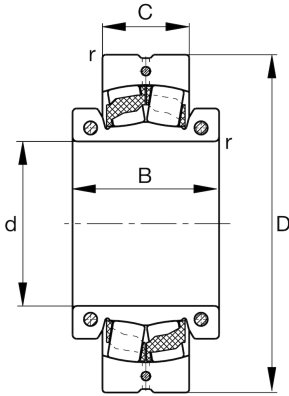
FAG

222SM80-TVPA

Spherical roller bearing

Schaeffler ID:
0167049590000Spherical roller bearings 222SM, Split
spherical roller bearings

Technical information

**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
	5 kg	Weight

Dimensions

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

Mounting dimensions

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

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

Temperature range

	22218K	Bearing designation
T_{\min}	-30 °C	Operating temperature min.
	H318	Adapter sleeve
T_{\max}	120 °C	Operating temperature max.
	SNV160	Housing