

**FAG****222S.703**

Spherical Roller Bearing

Spherical roller bearing 222S

Technical information

**Your current product variant**

Design	E1A	Without central rip
Bore type	Z	Cylindrical
Cage	TVPA	Plastic cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication	Standard	
Splitted	S.	Split bearing inch

Main Dimensions & Performance Data

d	182,563 mm	Bore diameter
D	360 mm	Outside diameter
C	98 mm	Width, outer ring
C_r	1.140.000 N	Basic dynamic load rating, radial
C_{0r}	1.640.000 N	Basic static load rating, radial
C_{ur}	107.000 N	Fatigue load limit, radial
n_G	790 1/min	Limiting speed
$F_{a \max}$	22.200 N	Maximum axial load
$\approx m$	59 kg	Weight

Mounting dimensions

M_i	69 Nm	Tightening torque clamping screw
M_a	35 Nm	Tightening torque clamping screw



Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
B	154 mm	Width inner ring

Temperature range

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











Calculation factors

e	0,25	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,71	Dynamic axial load factor
Y_2	4,04	Dynamic axial load factor
Y_0	2,65	Static axial load factor

Additional information

22240K	Bearing designation
H3140X703	Adapter sleeve

Characteristics

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