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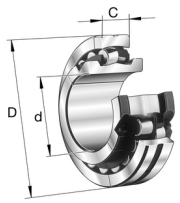
SCHAEFFLER



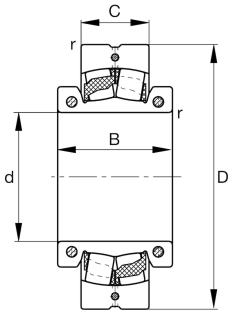
FAG

222S.503

Spherical Roller Bearing

Spherical roller bearings 222S, split spherical roller bearings, with inch size bearing bore

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 facility	Standard	
Splitted	S.	Split bearing inch

Main Dimensions & Performance Data

d	131,763 mm	Bore diameter
D	270 mm	Outside diameter
C	73 mm	Width, outer ring
C_r	730.000 N	Basic dynamic load rating, radial
C_{0r}	1.020.000 N	Basic static load rating, radial
C_{ur}	76.000 N	Fatigue load limit, radial
n_G	1.090 1/min	Limiting speed
$F_{a\ max}$	22.200 N	Maximum axial load
≈m	24 kg	Weight

Mounting dimensions

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

Dimensions

r_{min}	3 mm	Minimum chamfer dimension
B	122 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 Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,67	Dynamic axial load factor
Y_2	3,97	Dynamic axial load factor
Y_0	2,61	Static axial load factor

Additional information

	22230K	Bearing designation
	H3130X503	Adapter sleeve
	SNV270	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