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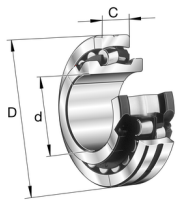
SCHAEFFLER



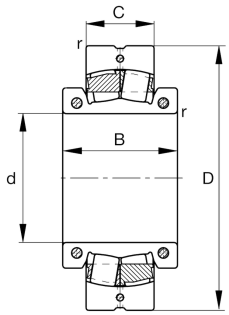
FAG

230S.900

Spherical Roller Bearing

Spherical roller bearing 230S

Technical information



Your current product variant

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

Main Dimensions & Performance Data

d	228,6 mm	Bore diameter
D	360 mm	Outside diameter
C	92 mm	Width, outer ring
C_r	1.110.000 N	Basic dynamic load rating, radial
C_{0r}	1.830.000 N	Basic static load rating, radial
C_{ur}	155.000 N	Fatigue load limit, radial
n_G	730 1/min	Limiting speed
$F_{a\ max}$	32.000 N	Maximum axial load
≈m	48 kg	Weight

Mounting dimensions

M_i	120 Nm	Tightening torque clamping screw
M_a	35 Nm	Tightening torque clamping screw

Dimensions

r_{min}	3 mm	Minimum chamfer dimension
B	160 mm	Width inner ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

Calculation factors

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,9	Dynamic axial load factor
Y_2	4,31	Dynamic axial load factor
Y_0	2,83	Static axial load factor

Additional information

	23048K	Bearing designation
	H3052XX900	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