

**FAG****230S.1008** [🔗](#)

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 facility	Standard	
Splitted	S.	Split bearing inch

Main Dimensions & Performance Data

d	266,7 mm	Bore diameter
D	420 mm	Outside diameter
C	106 mm	Width, outer ring
C_r	1.460.000 N	Basic dynamic load rating, radial
C_{0r}	2.460.000 N	Basic static load rating, radial
C_{ur}	203.000 N	Fatigue load limit, radial
n_G	620 1/min	Limiting speed
$F_{a\ max}$	32.000 N	Maximum axial load
$\approx m$	64,33 kg	Weight

Mounting dimensions

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



Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
B	170 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 F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,95	Dynamic axial load factor
Y_2	4,4	Dynamic axial load factor
Y_0	2,89	Static axial load factor

Additional information

23056K	Bearing designation
H3056X1008	Adapter sleeve
SNS3056-H-D	Housing



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