

**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