23948CAMC3W509

Current Selection

Design/Internal Design	--	Spherical roller bearing, series 239
Bore Type	--	Cylindrical Bore
Cage	CAM	Machined brass
Radial Internal Clearance	C3	Greater than normal clearance
Accuracy	--	Standard accuracy
Lubrication Feature	E7	Lubrication groove and holes, outer and inner rings
Special Materials	--	--
Other	W509	E7 + S11 (Heat stabilization up to 200°C) + Special packaging specification to prevent shipping damage.

Main Dimensions and Performance Data

d	240 mm	Bore Diameter
D	320 mm	Outside Diameter
B	60 mm	Width
r (min.)	2.1 mm	Chamfer Dimension
d_{oh}	--	Diameter, Oil Hole
C_r	795000.0 N	Basic Dynamic Load Rating
C_{0r}	1300000.0 N	Basic Static Load Rating
--	1900.0 rpm	Thermal Reference Speed
--	2600.0 rpm	Limiting speed, mechanical
--	950.0 rpm	Limiting speed, grease
--	1200.0 rpm	Limiting speed, oil
--	13.55 kg	Weight (approx.)

Mounting Dimensions

d_a (min.)	252.0 mm	Minimum diameter, shaft shoulder
d_a (max.)	--	Maximum diameter, shaft shoulder
D_a (max.)	308.0 mm	Maximum diameter, housing shoulder
D_a (min.)	298.0 mm	Minimum diameter, housing shoulder
r_a (max.)	2.0 mm	Maximum fillet radius

NSK CORPORATION

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Calculation Factors

e	--	Constant
Y_2	--	Dynamic Axial Load Factor
Y_3	--	Dynamic Axial Load Factor
Y_0	--	Static Axial Load Factor

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