



# PRODUCT DATASHEET

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MOTION & CONTROL  
**NSK**



## 23944CAME4

### Spherical Roller Bearings

#### Boundary Dimensions

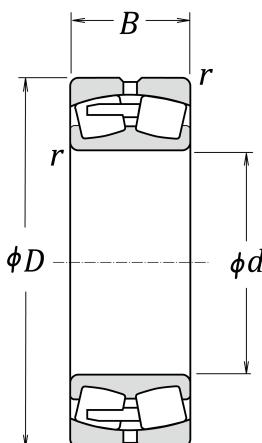
d	220	mm	Bore diameter
D	300	mm	Outside diameter
B	60	mm	Width
r (min.)	2.1	mm	Chamfer dimension

#### Basic Load Ratings

Cr	785000	N	Basic dynamic load rating
C0r	1240000	N	Basic static load rating

#### Speeds

Thermal Speed Rating (Oil-bath)	2200	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	2600	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	1000	min-1	Grease lubrication
Oil (Oil-bath)	1300	min-1	Oil-bath lubrication



#### Abutment and Fillet Dimensions

da (min.)	232	mm	Diameter of shaft abutment
Da (min.)	278	mm	Diameter of housing abutment
Da (max.)	288	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

#### Calculation factors

e	0.18	Constant
Y2	5.7	Axial load Factors
Y3	3.8	Axial load Factors
Y0	3.7	Axial load Factors

#### Mass

Mass approx.	12.2	kg	Mass approx.
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