



# PRODUCT DATASHEET

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MOTION & CONTROL  
**NSK**



## NU308ET

### Single-Row Cylindrical Roller Bearings

#### Boundary Dimensions

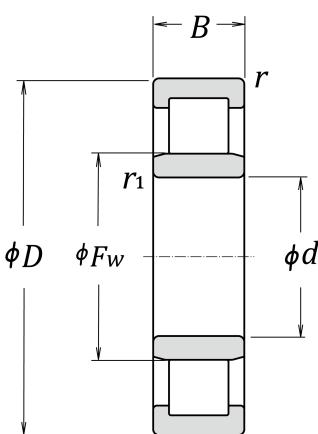
d	40	mm	Bore diameter
D	90	mm	Outside diameter
B	23	mm	Width
FW	52	mm	Raceway diameter of inner ring
r (min.)	1.5	mm	Chamfer dimension
r1 (min.)	1.5	mm	Chamfer dimension

#### Basic Load Ratings

Cr	102000	N	Basic dynamic load rating
C0r	81500	N	Basic static load rating

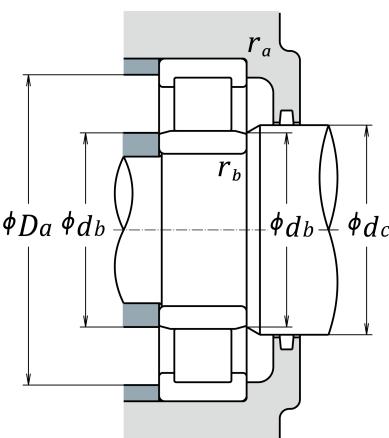
#### Speeds

Thermal Speed Rating (Oil-bath)	7500	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	10000	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	6700	min-1	Grease lubrication
Oil (Oil-bath)	8000	min-1	Oil-bath lubrication



#### Abutment and Fillet Dimensions

da (min.)	48	mm	Diameter of shaft abutment
db (min.)	48	mm	Diameter of shaft / spacer sleeve abutment
db (max.)	50	mm	Diameter of shaft / spacer sleeve abutment
dc (min.)	55	mm	Diameter of shaft abutment
dd (min.)	60	mm	Diameter of shaft abutment
Da (max.)	82	mm	Diameter of housing abutment
ra (max.)	1.5	mm	Radius of shaft or housing fillet
rb (max.)	1.5	mm	Radius of shaft or housing fillet



#### Mass

Mass approx.	0.645	kg	Mass approx.
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