



# PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 9:30 (UTC)

MOTION & CONTROL  
**NSK**



## NU311ET

### Single-Row Cylindrical Roller Bearings

#### Boundary Dimensions

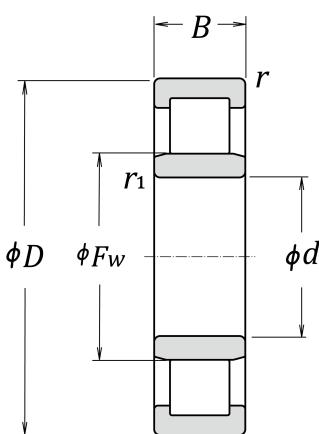
d	55	mm	Bore diameter
D	120	mm	Outside diameter
B	29	mm	Width
FW	70.5	mm	Raceway diameter of inner ring
r (min.)	2	mm	Chamfer dimension
r1 (min.)	2	mm	Chamfer dimension

#### Basic Load Ratings

Cr	169000	N	Basic dynamic load rating
C0r	143000	N	Basic static load rating

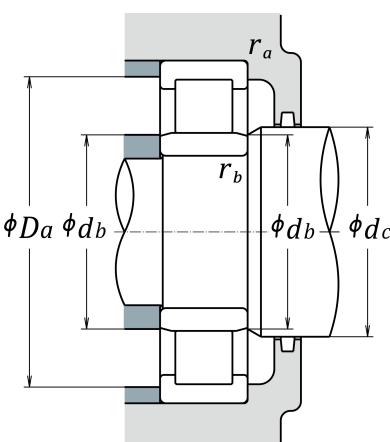
#### Speeds

Thermal Speed Rating (Oil-bath)	6000	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	7500	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	4500	min-1	Grease lubrication
Oil (Oil-bath)	5600	min-1	Oil-bath lubrication



#### Abutment and Fillet Dimensions

da (min.)	64	mm	Diameter of shaft abutment
db (min.)	64	mm	Diameter of shaft / spacer sleeve abutment
db (max.)	68	mm	Diameter of shaft / spacer sleeve abutment
dc (min.)	72	mm	Diameter of shaft abutment
dd (min.)	80	mm	Diameter of shaft abutment
Da (max.)	111	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet
rb (max.)	2	mm	Radius of shaft or housing fillet



#### Mass

Mass approx.	1.43	kg	Mass approx.
--------------	------	----	--------------