



PRODUCT DATASHEET

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MOTION & CONTROL
NSK



NU312ET

Single-Row Cylindrical Roller Bearings

Boundary Dimensions

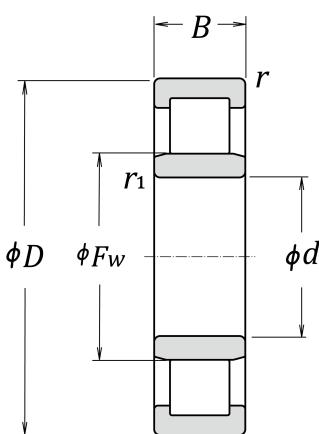
d	60	mm	Bore diameter
D	130	mm	Outside diameter
B	31	mm	Width
FW	77	mm	Raceway diameter of inner ring
r (min.)	2.1	mm	Chamfer dimension
r1 (min.)	2.1	mm	Chamfer dimension

Basic Load Ratings

Cr	184000	N	Basic dynamic load rating
C0r	157000	N	Basic static load rating

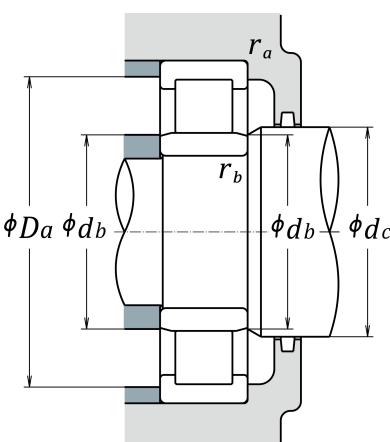
Speeds

Thermal Speed Rating (Oil-bath)	5600	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	6700	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	4800	min-1	Grease lubrication
Oil (Oil-bath)	5600	min-1	Oil-bath lubrication



Abutment and Fillet Dimensions

da (min.)	71	mm	Diameter of shaft abutment
db (min.)	71	mm	Diameter of shaft / spacer sleeve abutment
db (max.)	75	mm	Diameter of shaft / spacer sleeve abutment
dc (min.)	79	mm	Diameter of shaft abutment
dd (min.)	86	mm	Diameter of shaft abutment
Da (max.)	119	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.	1.77	kg	Mass approx.
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