



PRODUCT DATASHEET

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

MOTION & CONTROL
NSK



NU316ET

Single-Row Cylindrical Roller Bearings

Boundary Dimensions

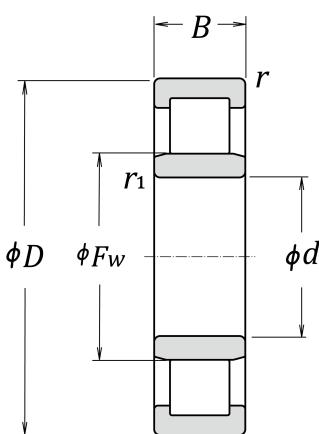
d	80	mm	Bore diameter
D	170	mm	Outside diameter
B	39	mm	Width
FW	101	mm	Raceway diameter of inner ring
r (min.)	2.1	mm	Chamfer dimension
r1 (min.)	2.1	mm	Chamfer dimension

Basic Load Ratings

Cr	315000	N	Basic dynamic load rating
C0r	282000	N	Basic static load rating

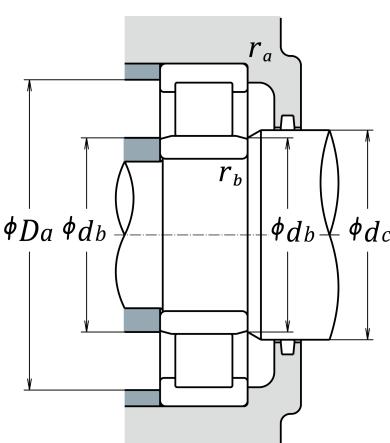
Speeds

Thermal Speed Rating (Oil-bath)	4300	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	5300	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	3600	min-1	Grease lubrication
Oil (Oil-bath)	4300	min-1	Oil-bath lubrication



Abutment and Fillet Dimensions

da (min.)	91	mm	Diameter of shaft abutment
db (min.)	91	mm	Diameter of shaft / spacer sleeve abutment
db (max.)	98	mm	Diameter of shaft / spacer sleeve abutment
dc (min.)	105	mm	Diameter of shaft abutment
dd (min.)	114	mm	Diameter of shaft abutment
Da (max.)	159	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.	3.85	kg	Mass approx.
--------------	------	----	--------------