



NU311EW

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)	9000	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.	1463	kg	Mass approx.
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