



PRODUCT DATASHEET

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MOTION & CONTROL
NSK

N1012RXTPKR

Single-Row Cylindrical Roller Bearings



Parts Number

N1012RXTPKRCC0P4Y

Boundary Dimensions

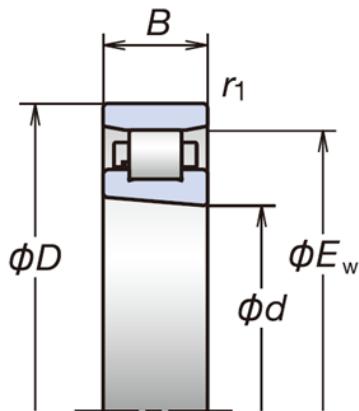
d	60	mm	Bore diameter
D	95	mm	Outside diameter
B	18	mm	Width
r(min.)	1.1	mm	Chamfer Dimension
r1(min.)	1	mm	Chamfer Dimension

Basic Load Ratings

Cr	37.5	kN	Basic Dynamic Load Rating
C0r	44.0	kN	Basic Static Load Rating

Speeds

Grease	17000	min-1	Limiting Speed
Oil (Oil-air)	23000	min-1	Limiting Speed

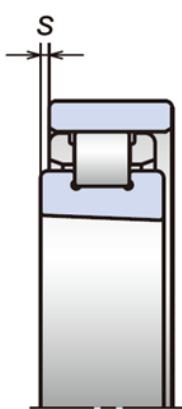


Dimensions

Ew	86.1	mm	Roller Circumscribed Circle Diameters
s	1.1	mm	Axial Displacement

Abutment and Fillet Dimensions

da(min.)	66.5	mm	Diameter of Shaft Abutment
d1a(min.)	68	mm	Diameter of Shaft Abutment
Da(min.)	87	mm	Diameter of Housing Abutment
Da(max.)	90	mm	Diameter of Housing Abutment
ra(max.)	1	mm	Radius of Shaft or Housing Fillet



Additional information

CC1(max.)	20	µm	Clearance in Bearings with Cylindrical Bores
CC1(min.)	5	µm	Clearance in Bearings with Cylindrical Bores
CC1(max.)	35	µm	Clearance in Bearings with Tapered Bores
CC1(min.)	15	µm	Clearance in Bearings with Tapered Bores
CC0(max.)	20	µm	Clearance in Bearings with Tapered Bores
CC0(min.)	10	µm	Clearance in Bearings with Tapered Bores
CC9(max.)	15	µm	Clearance in Bearings with Tapered Bores
CC9(min.)	5	µm	Clearance in Bearings with Tapered Bores
	1.6	g/brg	Recommended Grease Quantities

Mass

	0.411	kg	Mass(approx.)
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