



NU308EW

Single-Row Cylindrical Roller Bearings

Boundary Dimensions

d	40	mm	Bore diameter
D	90	mm	Outside diameter
B	23	mm	Width
FW	52	mm	Raceway diameter of inner ring
r (min.)	1.5	mm	Chamfer dimension
r1 (min.)	1.5	mm	Chamfer dimension

Basic Load Ratings

Cr	102000	N	Basic dynamic load rating
C0r	81500	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	7500	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	12000	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	6700	min-1	Grease lubrication
Oil (Oil-bath)	8000	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	48	mm	Diameter of shaft abutment
db (min.)	48	mm	Diameter of shaft / spacer sleeve abutment
db (max.)	50	mm	Diameter of shaft / spacer sleeve abutment
dc (min.)	55	mm	Diameter of shaft abutment
dd (min.)	60	mm	Diameter of shaft abutment
Da (max.)	82	mm	Diameter of housing abutment
ra (max.)	1.5	mm	Radius of shaft or housing fillet
rb (max.)	1.5	mm	Radius of shaft or housing fillet

Mass

Mass approx.	0.662	kg	Mass approx.
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