



NUP210ET

Single-Row Cylindrical Roller Bearings

Boundary Dimensions

d	50	mm	Bore diameter
D	90	mm	Outside diameter
B	20	mm	Width
FW	59.5	mm	Raceway diameter of inner ring
r (min.)	1.1	mm	Chamfer dimension
r1 (min.)	1.1	mm	Chamfer dimension

Basic Load Ratings

C _r	85000	N	Basic dynamic load rating
C _{0r}	76500	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	8000	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	6300	min ⁻¹	Grease lubrication
Oil (Oil-bath)	7500	min ⁻¹	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	56.5	mm	Diameter of shaft abutment
dd (min.)	67	mm	Diameter of shaft abutment
Da (max.)	83.5	mm	Diameter of housing abutment
ra (max.)	1	mm	Radius of shaft or housing fillet
rb (max.)	1	mm	Radius of shaft or housing fillet

Mass

Mass approx.	0.514	kg	Mass approx.
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