



## Technical data

### NU211

Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, pressed steel cage

#### VISUAL (S)



## PRODUCT DEFINITION

|                                     |          |
|-------------------------------------|----------|
| <b>Brand</b>                        | NTN      |
| <b>d - Internal diameter</b>        | 55 mm    |
| <b>D - External diameter</b>        | 100 mm   |
| <b>B - Bearing/Inner ring width</b> | 21 mm    |
| <b>E - Upper roller diameter</b>    | 88,5 mm  |
| <b>F - Under roller diameter</b>    | 66,5 mm  |
| <b>rs - Min fillet radius</b>       | 1,5 mm   |
| <b>r1s - Min fillet radius</b>      | 1,1 mm   |
| <b>Radial clearance class</b>       | CN       |
| <b>Mass</b>                         | 0,638 kg |

## PRODUCT PERFORMANCE

|                                               |             |
|-----------------------------------------------|-------------|
| <b>C - Dynamic load</b>                       | 64500000 mN |
| <b>C0 - Static load</b>                       | 62500000 mN |
| <b>Cu - Fatigue limit load</b>                | 7600000 mN  |
| <b>N lim - Oil lubrication limit speed</b>    | 49200 °/s   |
| <b>N lim - Grease lubrication limit speed</b> | 41400 °/s   |
| <b>Tmin - Min operating temperature</b>       | 233,15 °K   |
| <b>Tmax - Max operating temperature</b>       | 393,15 °K   |

## ABUTMENT

|                                                  |         |
|--------------------------------------------------|---------|
| <b>da min - Min shoulder diameter IR</b>         | 61,5 mm |
| <b>da max - Small face shoulder max diameter</b> | 65 mm   |
| <b>db min - Min inner ring GO diameter</b>       | 68 mm   |
| <b>Da max - Max shoulder diameter OR</b>         | 92 mm   |



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| ABUTMENT                   |        |
|----------------------------|--------|
| ra max - Max fillet radius | 1,5 mm |
| r1a - Max fillet radius    | 1 mm   |

| INDUSTRY CALCUL FACTORS        |  |
|--------------------------------|--|
| Equivalent dynamic radial load |  |
| $P = Fr$                       |  |
| Equivalent static radial load  |  |
| $P_0 = Fr$                     |  |

