



## Technical data

### 5307S

Double row angular contact ball bearings

#### PRODUCT DEFINITION

|                                   |         |
|-----------------------------------|---------|
| Brand                             | NTN     |
| d - Internal diameter             | 35 mm   |
| D - External diameter             | 80 mm   |
| B - Bearing/Inner ring width      | 34,9 mm |
| a - Charge load application point | 41,6 mm |
| - Contact angle                   | 25 °    |
| rs - Min fillet radius            | 1,5 mm  |
| Radial clearance class            | CN      |
| Precision class                   | P0      |
| Mass                              | 0,76 kg |

#### PRODUCT PERFORMANCE

|                                        |             |
|----------------------------------------|-------------|
| C - Dynamic load                       | 51000000 mN |
| C0 - Static load                       | 38000000 mN |
| Cu - Fatigue limit load                | 22000000 mN |
| N lim - Oil lubrication limit speed    | 45000 °/s   |
| N lim - Grease lubrication limit speed | 33600 °/s   |
| Tmin - Min operating temperature       | 233,15 °K   |
| Tmax - Max operating temperature       | 393,15 °K   |

#### ABUTMENT



**NTN Europe**

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S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072  
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

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| ABUTMENT                                   |        |
|--------------------------------------------|--------|
| da min - Min shoulder diameter IR          | 44 mm  |
| da max - Max shoulder diameter IR          | 0 mm   |
| Da max - Max shoulder diameter OR          | 71 mm  |
| ra max - Max shaft & housing fillet radius | 1,5 mm |



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