



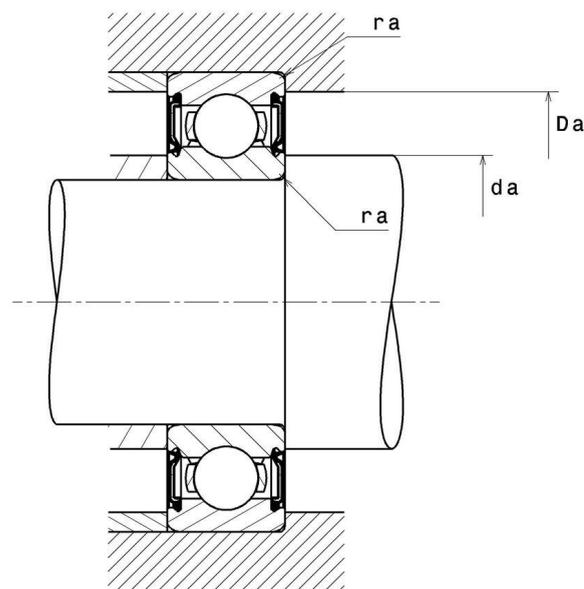
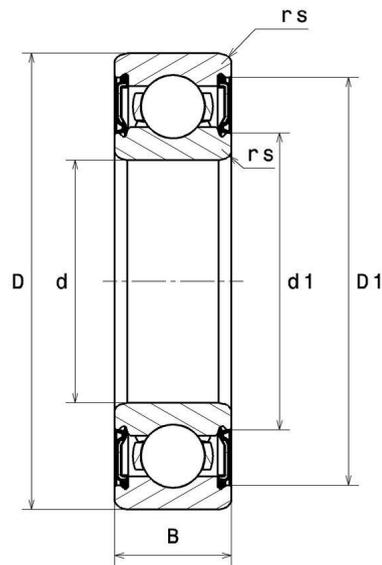
Technical data

6013LLU5K

Single row deep groove ball bearings

Deep groove ball bearing, radial contact, pressed steel cage, contact seals on both sides

VISUAL (S)



6013LLUCM/5K

Single row deep groove ball bearings

PRODUCT DEFINITION

| | |
|-------------------------------------|----------|
| Brand | NTN |
| d - Internal diameter | 65 mm |
| D - External diameter | 100 mm |
| B - Bearing/Inner ring width | 18 mm |
| rs - Min fillet radius | 1,1 mm |
| Radial clearance class | CM |
| Mass | 0,421 kg |

PRODUCT PERFORMANCE

| | |
|---|-------------|
| C - Dynamic load | 34000000 mN |
| C0 - Static load | 25200000 mN |
| Cu - Fatigue limit load | 1830000 mN |
| f0 - Coefficient | 15.8 |
| N lim - Grease lubrication limit speed | 23400 °/s |
| Tmin - Min operating temperature | 248,15 °K |
| Tmax - Max operating temperature | 383,15 °K |

ABUTMENT

| | |
|---|---------|
| da min - Min shoulder diameter IR | 71,5 mm |
| da max - Max shoulder diameter IR | 74 mm |
| Da max - Max shoulder diameter OR | 93,5 mm |
| ra max - Max shaft & housing fillet radius | 1 mm |



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

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.F_r + Y.F_a$

| $\frac{f_0 F_a}{C_0}$ | e | Fa / Fr ≤ e | | Fa / Fr > e | |
|-----------------------|------|-------------|---|-------------|------|
| | | X | Y | X | Y |
| 0.172 | 0.19 | 1 | 0 | 0.56 | 2.3 |
| 0.345 | 0.22 | | | | 1.99 |
| 0.689 | 0.26 | | | | 1.71 |
| 1.03 | 0.28 | | | | 1.55 |
| 1.38 | 0.3 | | | | 1.45 |
| 2.07 | 0.34 | | | | 1.31 |
| 3.45 | 0.38 | | | | 1.15 |
| 5.17 | 0.42 | | | | 1.04 |
| 6.89 | 0.44 | | | | 1 |

Equivalent static radial load

$P_0 = X_0.F_r + Y_0.F_a$

| X_0 | Y_0 |
|-------|-------|
| 0.6 | 0.5 |

For single or DT bearing arrangement :

If $P_0 < F_r$, then use $P_0 = F_r$

