

# 05068/05185 NSK Y1 1.7 17.462x47x14.381mm Tapered roller bearings

|                                  |                  |
|----------------------------------|------------------|
| Bearing number                   | 05068/05185      |
| Size (mm)                        | 17.462x47x14.381 |
| Brand                            | NSK              |
| Bore Diameter (mm)               | 17.462           |
| Outer Diameter (mm)              | 47               |
| Width (mm)                       | 14.381           |
| d                                | 17.462 mm        |
| D                                | 47 mm            |
| T                                | 14.381 mm        |
| B                                | 14.381 mm        |
| C                                | 11.112 mm        |
| ra1 max.                         | 1.3 mm           |
| a                                | 10.1 mm          |
| r min.                           | 0.8 mm           |
| r1 min.                          | 1.3 mm           |
| Da                               | 40.5 mm          |
| db                               | 22.5 mm          |
| ra max.                          | 0.8 mm           |
| da                               | 23 mm            |
| Db                               | 42.5 mm          |
| Weight                           | 0.129 Kg         |
| Basic dynamic load rating<br>(C) | 23.8 kN          |

|                               |                                    |
|-------------------------------|------------------------------------|
| Basic static load rating (C0) | 23.9 kN                            |
| (Grease) Lubrication Speed    | 8500 r/min                         |
| (Oil) Lubrication Speed       | 11000 r/min                        |
| Calculation factor (e)        | 0.36                               |
| Calculation factor (Y0)       | 0.93                               |
| LangID                        | 1                                  |
| ALP23                         | 0                                  |
| outer r                       | 1.3                                |
| ALP22                         | 40                                 |
| D_                            | 47                                 |
| ALP21                         | 26                                 |
| SHOG_yobi                     | 05068R/05185R                      |
| RAr                           | 88.826                             |
| inner r                       | 0.8                                |
| GRS rpm                       | 8500                               |
| D_b                           | 42.5                               |
| D_a                           | 40.5                               |
| DE_                           | 38.812                             |
| SLR                           | 9.3                                |
| Prod_Type3                    | TRBSR_ID_A                         |
| BETA_                         | 2                                  |
| ALPHA_                        | 13.35                              |
| SDM_                          | 33.132                             |
| calcUrl                       | /BearingGuide/html/calculation.jsp |
| DA1                           | 6.2                                |
| DA2                           | 5.554                              |
| hidYobi                       | 05068/05185                        |
| Y1                            | 1.7                                |

|          |             |
|----------|-------------|
| B_       | 14.381      |
| Oil rpm  | 11000       |
| hidTable | ecat_NSTPRI |
| Y0       | 0.93        |
| inner ra | 0.8         |
| outer rb | 1.3         |
| C0       | 23.9        |
| CUP      | 0.047       |
| e        | 0.36        |
| DA_      | 5.879       |
| BET21    | 4           |
| BET22    | 0           |
| BET23    | 0           |
| Z_       | 14          |
| C_       | 11.112      |
| yobi     | 05068/05185 |
| KBRG     | 3161        |
| CONE     | 0.082       |
| DI_      | 27.328      |