

# 1301 NSK Basic dynamic load rating (C) 9.65 kN 12x37x12mm Self aligning ball bearings

|                               |   |
|-------------------------------|---|
| Bearing number                | 1301  |
| Size (mm)                     | 12x37x12  |
| Brand                         | NSK   |
| Bore Diameter (mm)            | 12  |
| Outer Diameter (mm)           | 37  |
| Width (mm)                    | 12  |
| d                             | 12 mm   |
| D                             | 37 mm   |
| B                             | 12 mm   |
| C                             | 12 mm   |
| r min.                        | 1 mm  |
| da min.                       | 17 mm   |
| Da max.                       | 32 mm   |
| ra max.                       | 1 mm  |
| Weight                        | 0.066 Kg  |
| Basic dynamic load rating (C) | 9.65 kN   |
| Basic static load rating (C0) | 2.16 kN   |
| (Greas) Lubrication Speed     | 18 000 r/min  |
| (Oil) Lubrication Speed       | 22 000 r/min  |
| Calculation factor (e)        | 0.33  |
| Calculation factor (Y0)       | 2   |
| Calculation factor (Y2)       | 2.9   |
| YS                            | 3.33  |
| Y2                            | 1.9   |
| NSK ID                        | 1301  |
| LangID                        | 1   |
| PCD                           | 24.5  |
| D <sub>1</sub>                | 37  |
| Y2                            | 2.9   |
| SREX                          | 0   |
| cyl count                     | 9   |
| B                             | 12  |
| CS                            | <a href="http://service.web2cad.co.jp/pcor/Make-NSK_NB&amp;info=mk_rb/roller_bearings/self_aligning_bbr/cylindrical_bore_asst&amp;prj&amp;varset={STAM=}. (ORDR-1301). (SD-12). (D-37). (B-12). (R-1.0). (CR1-9550). (COR1-2160). (CR2-985). (COR2-221). (LG-18000). (LG-22000). (DA1-17.0). (DA2-32.0). (RA-1.0). (E-0.33). (Y2-2.9). (Y3-1.90). (YB-2.00). (PKS5-0.866)">http://service.web2cad.co.jp/pcor/Make-NSK_NB&amp;info=mk_rb/roller_bearings/self_aligning_bbr/cylindrical_bore_asst&amp;prj&amp;varset={STAM=}. (ORDR-1301). (SD-12). (D-37). (B-12). (R-1.0). (CR1-9550). (COR1-2160). (CR2-985). (COR2-221). (LG-18000). (LG-22000). (DA1-17.0). (DA2-32.0). (RA-1.0). (E-0.33). (Y2-2.9). (Y3-1.90). (YB-2.00). (PKS5-0.866)</a> |
| hitfaste                      | ecat_N5SAB  |
| oil rpm                       | 22000   |
| SFE                           | 0   |
| YB                            | 2   |
| maxc                          | 0.066   |
| ra                            | 1   |
| GRS rpm                       | 18000   |
| SRIx                          | 0.84  |
| groove inner                  | 18.142  |
| D <sub>1</sub>                | 32  |
| SRIW                          | 0   |
| CB                            | 2.16  |
| groove outer                  | 31.438  |
| SREN                          | 0   |
| YB                            | 1   |
| Prod Type3                    | SAB0_SA_CB  |
| X1                            | 1   |
| da                            | 17  |
| X2                            | 0.65  |
| e                             | 0.33  |
| y0b1                          | 1301  |
| r                             | 1   |
| KBRG                          | 1352  |
| CS0                           | 12.43   |
| cyl dia                       | 6.35  |
| calc0r1                       | /BearingGuide/html/calculation.jsp  |