

# 1310 NSK 50x110x27mm Oil rpm 6700 Self aligning ball bearings

|                               |   |
|-------------------------------|---|
| Bearing number                | 1310  |
| Size (mm)                     | 50x110x27   |
| Brand                         | NSK   |
| Bore Diameter (mm)            | 50  |
| Outer Diameter (mm)           | 110   |
| Width (mm)                    | 27  |
| d                             | 50 mm   |
| D                             | 110 mm  |
| B                             | 27 mm   |
| C                             | 27 mm   |
| r min.                        | 2 mm  |
| da min.                       | 50 mm   |
| Da max.                       | 101 mm  |
| ra max.                       | 2 mm  |
| Weight                        | 1.25 Kg   |
| Basic dynamic load rating (C) | 43.5 kN   |
| Basic static load rating (C0) | 14.1 kN   |
| Lubrication (Grease)          | 5 600 r/min   |
| Lubrication (Oil)             | 6 700 r/min   |
| Calculation factor (a)        | 0.23  |
| Calculation factor (YB)       | 2.8   |
| Calculation factor (Y2)       | 4.2   |
| SF1                           | 7.5   |
| Y3                            | 2.7   |
| hi4Y0d1                       | 1310  |
| LangID                        | 1   |
| PCD                           | 80.6  |
| D                             | 110   |
| Y2                            | 4.2   |
| SREX                          | 0   |
| cyl count                     | 13  |
| R                             | 27  |
| CAD                           | <a href="http://service.web2cad.co.jp/pcor/Maker-NSK_R8&amp;info=nsk_rb/roller_bearings/self_aligning_bb/cylindrical_bore_asstb-prj&amp;varset={STAN-1, (ORDER=1310), (S0=50), (D=110), (B=27), (R=2.8), (CR1=43500), (COR1=14100), (CR2=44500), (COR2=14400), (LG=5600), (LO=4700), (DA1=50.0), (DA2=101.0), (RA=2.0), (E=0.23), (Y2=4.2), (Y3=2.70), (YB=2.80), (MSS=1.250)}">http://service.web2cad.co.jp/pcor/Maker-NSK_R8&amp;info=nsk_rb/roller_bearings/self_aligning_bb/cylindrical_bore_asstb-prj&amp;varset={STAN-1, (ORDER=1310), (S0=50), (D=110), (B=27), (R=2.8), (CR1=43500), (COR1=14100), (CR2=44500), (COR2=14400), (LG=5600), (LO=4700), (DA1=50.0), (DA2=101.0), (RA=2.0), (E=0.23), (Y2=4.2), (Y3=2.70), (YB=2.80), (MSS=1.250)}</a> |
| hdTable                       | ecat_H55AB  |
| Oil rpm                       | 6700  |
| SF1                           | 0   |
| YB                            | 2.8   |
| mas                           | 1.25  |
| ra                            | 2   |
| GRS rpm                       | 5600  |
| SREX                          | 0.865   |
| groove inner                  | 66.303  |
| Q <sub>a</sub>                | 301   |
| SREN                          | 0   |
| C0                            | 14.1  |
| groove outer                  | 95.852  |
| SREN                          | 0   |
| X0                            | 1   |
| Prod_Type3                    | SAB0_SA_CB  |
| X1                            | 1   |
| da                            | 50  |
| X2                            | 0.65  |
| e                             | 0.23  |
| y0d1                          | 1310  |
| r                             | 2   |
| KBRG                          | 1352  |
| CAnG                          | 8.816   |
| cyl dia                       | 14.288  |
| calcort                       | /bearingguide/html/calculation.jsp  |