

1316 NSK calcUrl
/BearingGuide/html/calculatio
n.jsp 80x170x39mm Self
aligning ball bearings

Bearing number	1316
Size (mm)	80x170x39
Brand	NSK
Bore Diameter (mm)	80
Outer Diameter (mm)	170
Width (mm)	39
d	80 mm
D	170 mm
B	39 mm
C	39 mm
r min.	2.1 mm
da min.	91 mm
Da max.	159 mm
db min.	2 mm
Weight	4.31 Kg
Basic dynamic load rating (C)	89 kN
Basic static load rating (C0)	33 kN
(Overall) Lubrication Speed	3 600 r/min
(Oil) Lubrication Speed	4 300 r/min
Calculation factor (e)	0.22
Calculation factor (e0)	3.1
Calculation factor (Y2)	4.5
SR1	10.83
Y3	2.9
hiroaki	1316
Langib	1
YCO	126.5
D_	170
Y2	4.5
SREX	0
cyl count	15
B_	39
CAD	http://service.web2cad.co.jp/pcom/TMKaker-NSK_PBBInfo=nsk_rb/roller_bearings/self_aligning_bb/cylindrical_bore_assetab.prj?varset=(STAN-, (ORDER=1316), (SD=80), (D=170), (B=39), (R=2,1), (CRI=80000), (CR2=9100), (COR2=3400), (LG=3600), (L0=4300), (DA1=91.0), (DA2=159.0), (RA=2.0), (E=0.22), (Y2=4.5), (Y3=2.90), (Y0=3.10), (M455=4,280
ecat_N54B	4300
GIL fm	0
GRE	0
YB	3.1
mass	4.2
ra	2
GRS rpm	3600
SR1X	0.88
groove inner	105.851
D_2	159
SRIN	0
CB	33
groove outer	148.441
SHEN	0
Y0	1
Prod_Type3	S488_SA_CB
X1	1
da	91
X2	0.65
e	0.22
yobi	1316
r	2.1
KBRG	1252
Y1	2.167
cyl dia	20.638
calcctrl	/Bearingside.html/calculation_isp