

# 1317 NSK cyl count 16

## 85x180x41mm Self aligning ball bearings

Bearing number	1317
Size (mm)	85x180x41
Brand	NSK
Bore diameter (mm)	85
Outer diameter (mm)	180
Width (mm)	41
d	85 mm
D	180 mm
B	41 mm
C	41 mm
r min.	3 mm
da min.	98 mm
Da max.	167 mm
ra max.	2.5 mm
Weight	5.13 Kg
Basic dynamic load rating (C)	98.5 kN
Basic static load rating (CB)	28 kN
(Grease) Lubrication Speed	3 400 r/min
(Oil) Lubrication Speed	4 800 r/min
Calculation factor (a)	6.21
Calculation factor (Y0)	3.1
Calculation factor (Y2)	4.6
bore diameter: precision rating:	ABEC1, P0
outside diameter:	180 mm
maximum rpm:	4800 rpm
overall width:	41 mm
cage material:	Steel Cage
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
fillet radius:	3 mm
internal clearance:	C0
series:	1300
dynamic load capacity:	98500 N
S01	11.25
Y3	2.9
hd00b1	1317
LangD	3
PCD	134.5
D <sub>c</sub>	180
Y2	4.6
SREX	0
cyl count	16
B	41
CAD	<a href="http://service.webcad.co.jp/pcw/Make+NSK_BB&amp;info=nsk_rb/roller_bearings/self_aligning_bb/cylindrical_bore_santab.prj&amp;set={STAB=}. (ORDER=1317). (SD=85). (D=180). (B=41). (R=3.0). (CR1=98500). (COR1=38000). (CR2=10000). (COR2=3850). (LG=3400). (LD=4000). (DA1=98.0). (DA2=167.0). (RA=2.5). (E=0.21). (Y2=4.6). (Y3=2.90). (Y0=3.10). (MASS=5.880)" }"="">http://service.webcad.co.jp/pcw/Make+NSK_BB&amp;info=nsk_rb/roller_bearings/self_aligning_bb/cylindrical_bore_santab.prj&amp;set={STAB=}. (ORDER=1317). (SD=85). (D=180). (B=41). (R=3.0). (CR1=98500). (COR1=38000). (CR2=10000). (COR2=3850). (LG=3400). (LD=4000). (DA1=98.0). (DA2=167.0). (RA=2.5). (E=0.21). (Y2=4.6). (Y3=2.90). (Y0=3.10). (MASS=5.880)</a>
hidTable	ecat_NSK48
d11 rpm	4800
SRE	0
Y0	3.1
mass	5
ra	2.5
G05 rpm	3400
SRIK	0.88
groove inner	113.057
D <sub>a</sub>	167
SRIW	0
C0	30
groove outer	157.295
SRIW	0
X0	3
Prod_Type3	SAB8_SA_C0
X1	3
da	98
X2	0.55
e	0.21
y0b1	1317
r	3
KMG	1352
CAng	8.134
cyl dia	21.431
calcDf1	/BearingGuide/hta1/calculation.jsp