

# 1218 NSK C0 23.5 90x160x30mm Self aligning ball bearings

Bearing number	1218
Size (mm)	90x160x30
Brand	NSK
Bore Diameter (mm)	90
Outer Diameter (mm)	160
Width (mm)	30
d	90 mm
D	160 mm
B	30 mm
C	30 mm
r min.	2 mm
da min.	90 mm
Da max.	151 mm
ra max.	2 mm
Weight	2.55 kg
Basic dynamic load rating (C)	57.5 kN
Basic static load rating (C0)	23.5 kN
(Grease) Lubrication Speed	3 600 r/min
(Oil) Lubrication Speed	4 300 r/min
Calculation factor (e)	0.17
Calculation factor (YB)	3.9
Calculation factor (Y2)	5.8
SR1	0.33
Y3	3.8
ISO9001 LangSD	1
PCD	124.5
D <sub>1</sub>	160
Y2	5.8
SRX	0
cyl count	19
B	30
CAD	<a href="http://service.web2cad.co.jp/pcom/?maker=NSK_R&amp;info=nsk_rot/rotor_bearings/self_aligning_bb/cylindrical_bore_asstab.prj&amp;varset={STAN=1, (ORDER=1218), (S0=90), (D=160), (B=30), (R=2.0), (CR1=57500), (COR1=23500), (CR2=5850), (COR2=2400), (LG=3600), (L0=4300), (DA1=99.0), (DA2=151.0), (RA=2.0), (E=0.17), (Y2=5.8), (Y3=3.80), (YB=3.90), (MASS=2.500)}">http://service.web2cad.co.jp/pcom/?maker=NSK_R&amp;info=nsk_rot/rotor_bearings/self_aligning_bb/cylindrical_bore_asstab.prj&amp;varset={STAN=1, (ORDER=1218), (S0=90), (D=160), (B=30), (R=2.0), (CR1=57500), (COR1=23500), (CR2=5850), (COR2=2400), (LG=3600), (L0=4300), (DA1=99.0), (DA2=151.0), (RA=2.0), (E=0.17), (Y2=5.8), (Y3=3.80), (YB=3.90), (MASS=2.500)}</a>
ISOtable	eca_305AB
Oil rpm	4300
SRE	0
YB	3.9
msc	2.5
ra	2
G15 rpm	3600
SRX	0.865
groove inner	108.62
D <sub>a</sub>	151
SRIN	0
CB	23.5
groove outer	141.149
SREN	0
XB	1
Prod_Type3	5489_SA_CB
X1	1
da	99
X2	0.65
e	0.17
y0d1	1218
r	2
KBRG	1352
C&G	0.37
cyl dia	15.875
calc01	/bearingguide/html/calculation.jsp