



## 80 mm x 125 mm x 36 mm NSK HR33016J tapered roller bearings

Bearing No. HR33016J

Size	80x125x36 mm
Bore Diameter	80 mm
Outer Diameter	125 mm
Width	36 mm
d	80 mm
D	125 mm
T	36 mm
B	36 mm
C	29,5 mm
a	25,5 mm
r min.	1,5 mm
r1 min.	1,5 mm
da min.	91 mm
Da min	112 mm
Da max.	116 mm
db max.	88 mm
Db min.	119 mm
ra max.	1,5 mm
rb max.	1,5 mm
Weight	1,66 Kg
Basic dynamic load rating (C)	172 kN
Basic static load rating (C0)	282 kN
(Grease) Lubrication Speed	2800 r/min
(Oil) Lubrication Speed	3600 r/min
Calculation factor (e)	0,28

HR33016J Bearing 2D drawings and 3D CAD models



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Calculation factor (Y0)	1,2
LangID	1
outer r	1.5
D_	125
TC-BET22	0
TC-BET21	2
TC-BET23	0
inner r	1.5
mass	1.66
GRS rpm	2800
D_b	119
Cr	17500
TC-RA	324.397
DE_	113.218
T-ALP23	0
db	88
T-ALP22	0
Prod_Type3	TRBSR_MD_A
da	91
T-ALP21	21
Iso	2CE
ALPHA_	10.5
SDM_	102.531
SBRG	30
D_a2	112
hidYobi	HR33016J
Y1	2.2
D_a1	116
B_	36
hidTable	ecat_NSTPRM
Oil rpm	3600
C0r	28800



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Y0	1.2
TC-SLR	27
inner ra	1.5
outer rb	1.5
C0	282
Sa	6
Sb	6.5
e	0.28
DA_	10.853
Z_	26
C_	29.5
yobi	HR33016J
TC-DA1	11.323
TC-DA2	10.382
KBRG	3111
DI_	91.844