



NSK HR33111J tapered roller bearings

Bearing No. HR33111J

Size	55x95x30 mm
Bore Diameter	55 mm
Outer Diameter	95 mm
Width	30 mm
d	55 mm
D	95 mm
T	30 mm
B	30 mm
C	23 mm
a	22,4 mm
r min.	1,5 mm
r1 min.	1,5 mm
da min.	66 mm
Da min	82 mm
Da max.	86 mm
db max.	62 mm
Db min.	91 mm
ra max.	1,5 mm
rb max.	1,5 mm
Weight	0,877 Kg
Basic dynamic load rating (C)	112 kN
Basic static load rating (C0)	158 kN
(Grease) Lubrication Speed	3800 r/min
(Oil) Lubrication Speed	5000 r/min
Calculation factor (e)	0,37
Calculation factor (Y0)	0,88

HR33111J Bearing 2D drawings and 3D CAD models



# EAO Bearing Machine Development Co., Ltd

LangID	1
outer r	1.5
D_	95
TC-BET22	15
TC-BET21	3
TC-BET23	0
inner r	1.5
mass	0.877
GRS rpm	3800
D_b	91
Cr	11500
TC-RA	185.963
DE_	84.628
T-ALP23	0
db	62
T-ALP22	0
Prod_Type3	TRBSR_MD_A
da	66
T-ALP21	28
Iso	3CE
ALPHA_	14
SDM_	74.973
SBRG	31
D_a2	82
hidYobi	HR33111J
Y1	1.6
D_a1	86
B_	30
hidTable	ecat_NSTPRM
Oil rpm	5000
C0r	16100
Y0	0.88



## EAO Bearing Machine Development Co., Ltd

TC-SLR	21.5
inner ra	1.5
outer rb	1.5
C0	158
Sa	5
Sb	7
e	0.37
DA_	9.939
Z_	21
C_	23
yobi	HR33111J
TC-DA1	10.547
TC-DA2	9.331
KBRG	3111
DI_	65.318