



NTN Bearing Manufacturing



100 mm x 180 mm x 34 mm NSK HR30220J tapered roller bearings

Bearing No. HR30220J

HR30220J Bearing 2D drawings and 3D CAD models

Size	100x180x37 mm
Bore Diameter	100 mm
Outer Diameter	180 mm
Width	37 mm
d	100 mm
D	180 mm
T	37 mm
B	34 mm
C	29 mm
a	36,1 mm
r min.	3 mm
r1 min.	2,5 mm
da min.	118 mm
Da min	158 mm
Da max.	168 mm
db max.	116 mm
Db min.	168 mm
ra max.	2,5 mm
rb max.	2 mm
Weight	3,78 Kg
Basic dynamic load rating (C)	255 kN
Basic static load rating (C0)	330 kN
(Grease) Lubrication Speed	2000 r/min
(Oil) Lubrication Speed	2600 r/min
Calculation factor (e)	0,42



NTN Bearing Manufacturing

Calculation factor (Y0)	0,79
LangID	1
outer r	2.5
D_	180
TC-BET22	0
TC-BET21	4
TC-BET23	0
inner r	3
mass	3.78
GRS rpm	2000
D_b	168
Cr	26000
TC-RA	307
DE_	159.43
T-ALP23	4
db	116
T-ALP22	17
Prod_Type3	TRBSR_MD_A
da	118
T-ALP21	31
Iso	3FB
ALPHA_	15.643
SDM_	139.217
SBRG	2
D_a2	158
hidYobi	HR30220J
Y1	1.4
D_a1	168
B_	34
hidTable	ecat_NSTPRM
Oil rpm	2600
C0r	34000



NTN Bearing Manufacturing

Y0	0.79
TC-SLR	24
inner ra	2.5
outer rb	2
C0	330
Sa	5
Sb	8
e	0.42
DA_	20.596
Z_	20
C_	29
yobi	HR30220J
TC-DA1	21.427
TC-DA2	19.765
KBRG	3111
DI_	119.004