

Technical data

4T-3984/3920

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-3984, 4T-3920

VISUAL (S)



4T-3984/3920
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	66,675 mm
D - External diameter	112,712 mm
B - Bearing/Inner ring width	30,048 mm
C - Outer ring width	23,812 mm
T - Total width	30,162 mm
d1 - External diameter inner ring	88,5 mm
a - Charge load application point	25,662 mm
rs - Min fillet radius	3,5 mm
r1s - Min fillet radius	3,3 mm
Mass	1,18 kg

PRODUCT PERFORMANCE	
C - Dynamic load	132 kN

PRODUCT PERFORMANCE

C0 - Static load	174 kN
Cu - Fatigue limit load	21,2 kN
A2 - Rating life coefficient	1
e - Coefficient	0.4
Y0 - Static axial load coefficient	0.82
Y2 - Upper axial load coefficient	1.49
N lim - Oil lubrication limit speed	4300 tr/min
N lim - Grease lubrication limit speed	3200 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	74 mm
db min - Min IR shoulder diameter	80 mm
Da max - Max shoulder diameter OR	99 mm
Db min - Min OR shoulder diameter	106 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	3,3 mm



INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.F_r + Y.F_a$

$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$P_0 = X_0.F_r + Y_0.F_a$

X_0	Y_0
0.5	Y0

If $P_0 \leq F_r$, then use $P_0 = F_r$

The values for e, Y2 and Y0 are shown in the above table

