



Technical data

4T-47487/47420

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-47420, 4T-47487

VISUAL (S)



4T-47487/47420
Single row tapered roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	69,85 mm
D - External diameter	120 mm
B - Bearing/Inner ring width	32,545 mm
C - Outer ring width	26,195 mm
T - Total width	32,545 mm
d1 - External diameter inner ring	95 mm
a - Charge load application point	26,445 mm
Mass	1,63 kg

PRODUCT PERFORMANCE

C - Dynamic load	163 kN
C0 - Static load	214 kN
Cu - Fatigue limit load	26,1 kN



PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.36
Y0 - Static axial load coefficient	0.92
Y2 - Upper axial load coefficient	1.67
N lim - Oil lubrication limit speed	4000 tr/min
N lim - Grease lubrication limit speed	3000 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	78 mm
db min - Min IR shoulder diameter	84 mm
Da max - Max shoulder diameter OR	107 mm
Db min - Min OR shoulder diameter	114 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	3,3 mm

KIT COMPONENT

Cone designation	4T-47487
Cup designation	4T-47420

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-47487/47420
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No



ESHOPDONOTDISPLAY

Rolling element material

Acier de cémentation

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

$P_o = X_o.F_r + Y_o.F_a$

X_o	Y_o
0.5	Y0

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

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

