



Technical data

4T-48286/48220

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

4T-48286, 4T-48220

VISUAL (S)



4T-48286/48220
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	123,825 mm
D - External diameter	182,562 mm
B - Bearing/Inner ring width	38,1 mm
C - Outer ring width	33,338 mm
T - Total width	39,688 mm
d1 - External diameter inner ring	155,5 mm
a - Charge load application point	33,988 mm
Mass	3,52 kg

PRODUCT PERFORMANCE	
C - Dynamic load	249 kN
C0 - Static load	435 kN
Cu - Fatigue limit load	46,5 kN

PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.31
Y0 - Static axial load coefficient	1.08
Y2 - Upper axial load coefficient	1.97
N lim - Oil lubrication limit speed	2400 tr/min
N lim - Grease lubrication limit speed	1800 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	133 mm
db min - Min IR shoulder diameter	139 mm
Da max - Max shoulder diameter OR	168 mm
Db min - Min OR shoulder diameter	176 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	3,3 mm

KIT COMPONENT

Cone designation	4T-48286
Cup designation	4T-48220

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-48286/48220
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

$$P = X.Fr + Y.Fa$$

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$$Po = Xo.Fr + Yo.Fa$$

Xo	Yo
0.5	Y0

If $Po \leq Fr$, then use $Po = Fr$

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

