



Technical data

4T-90381/90744

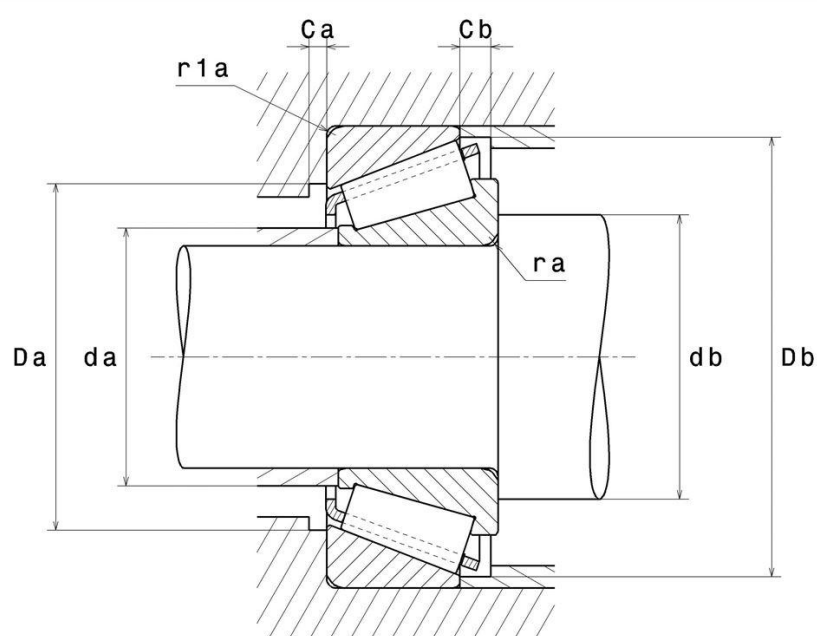
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

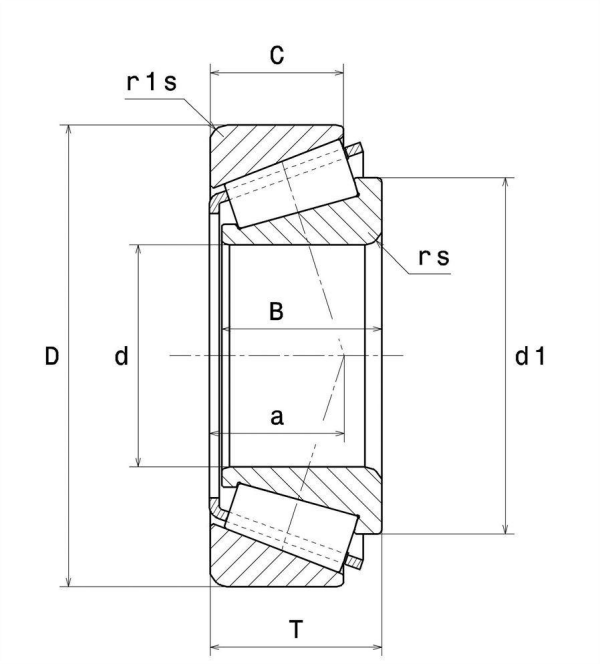
4T-90744, 4T-90381

VISUAL (S)



4T-90381/90744

Single row tapered roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	96,838 mm
D - External diameter	188,912 mm
B - Bearing/Inner ring width	46,038 mm
C - Outer ring width	31,75 mm
T - Total width	50,8 mm
d1 - External diameter inner ring	145,5 mm
Mass	5,46 kg

PRODUCT PERFORMANCE

C - Dynamic load	310 kN
C0 - Static load	365 kN
Cu - Fatigue limit load	40,1 kN
A2 - Rating life coefficient	1



PRODUCT PERFORMANCE

e - Coefficient	0.87
Y0 - Static axial load coefficient	0.38
Y2 - Upper axial load coefficient	0.69
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	113 mm
db min - Min IR shoulder diameter	125 mm
Da max - Max shoulder diameter OR	161 mm
Db min - Min OR shoulder diameter	179 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	3,3 mm

KIT COMPONENT

Cone designation	4T-90381
Cup designation	4T-90744

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-90381/90744
Image	TRB_1.jpg, TRB_2.jpg, TRB_3.jpg
ULTAGE	Non/No
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

$P_0 = X_0.F_r + Y_0.F_a$

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

