

Technical data

4T-1780/1729

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

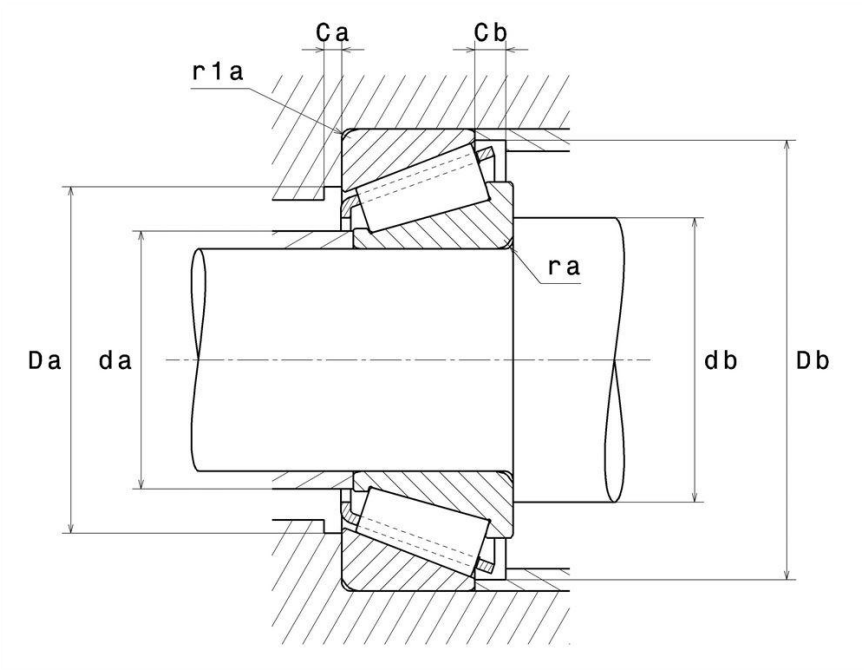
KIT CONTENT

4T-1780, 4T-1729

VISUAL (S)



4T-1780/1729
Single row tapered roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	25,4 mm
D - External diameter	56,896 mm
B - Bearing/Inner ring width	19,837 mm
C - Outer ring width	15,875 mm
T - Total width	19,368 mm
d1 - External diameter inner ring	39 mm
a - Charge load application point	12,868 mm
Mass	0,234 kg

PRODUCT PERFORMANCE	
C - Dynamic load	47,5 kN
C0 - Static load	46,5 kN
Cu - Fatigue limit load	5,7 kN

PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.31
Y0 - Static axial load coefficient	1.07
Y2 - Upper axial load coefficient	1.95
N lim - Oil lubrication limit speed	9600 tr/min
N lim - Grease lubrication limit speed	7200 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	30 mm
db min - Min IR shoulder diameter	30,5 mm
Da max - Max shoulder diameter OR	49 mm
Db min - Min OR shoulder diameter	51 mm
ra max - Max fillet radius	0,8 mm
r1a - Max fillet radius	1,3 mm

KIT COMPONENT

Cone designation	4T-1780
Cup designation	4T-1729

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-1780/1729
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

$P = X.F_r + Y.F_a$

Fa / Fr ≤ e		Fa / Fr > 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

