



Technical data

4T-27687/27620

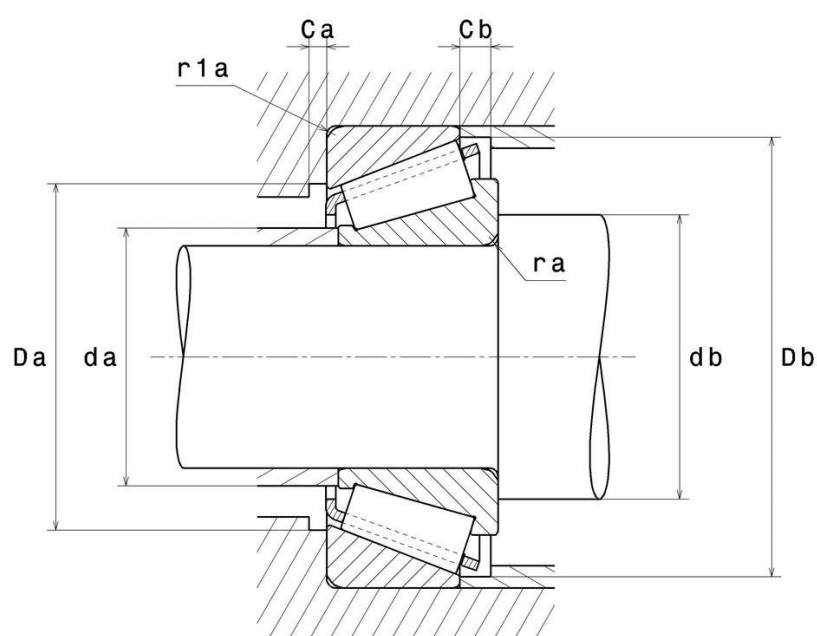
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

KIT CONTENT

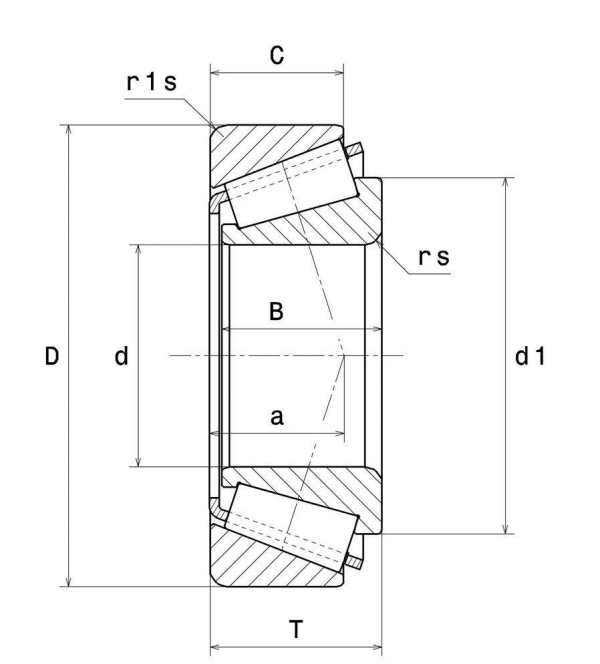
4T-27687, 4T-27620

VISUAL (S)



4T-27687/27620

Single row tapered roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	82,55 mm
D - External diameter	125,412 mm
B - Bearing/Inner ring width	25,4 mm
C - Outer ring width	19,845 mm
T - Total width	25,4 mm
d1 - External diameter inner ring	105 mm
a - Charge load application point	26 mm
Mass	1,05 kg

PRODUCT PERFORMANCE

C - Dynamic load	113 kN
C0 - Static load	163 kN
Cu - Fatigue limit load	19,6 kN



PRODUCT PERFORMANCE

A2 - Rating life coefficient	1
e - Coefficient	0.42
Y0 - Static axial load coefficient	0.79
Y2 - Upper axial load coefficient	1.44
N lim - Oil lubrication limit speed	3600 tr/min
N lim - Grease lubrication limit speed	2700 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

ABUTMENT

da max - Max shoulder diameter IR	89 mm
db min - Min IR shoulder diameter	96 mm
Da max - Max shoulder diameter OR	115 mm
Db min - Min OR shoulder diameter	120 mm
ra max - Max fillet radius	3,5 mm
r1a - Max fillet radius	1,5 mm

KIT COMPONENT

Cone designation	4T-27687
Cup designation	4T-27620

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
Reference	4T-27687/27620
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

