Technical data

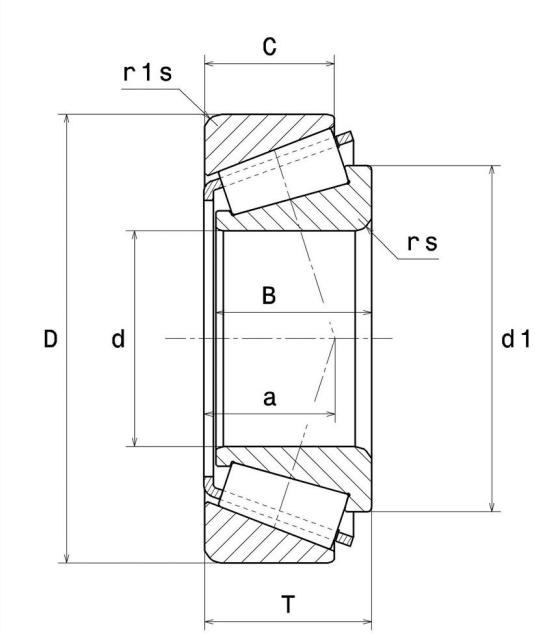
4T-JM736149/JM736110

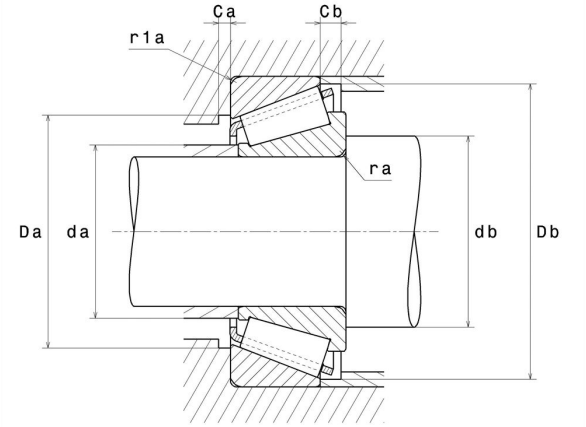
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	180 mm
D	250 mm
B	45 mm
C	37 mm
T	47 mm
d1	219 mm
e	0.48
Y2	1.25
Y0	0.69
Mass	6.76 kg
Brand	NTN

Product performance

Dynamic load, C	370 kN
Rating life coefficient, A2	1.4
Static load, C0	710 kN
Fatigue limit load, Cu	68.8 kN
Nlim (oil)	1,700 Tr/min
Nlim (grease)	1,300 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

ra max	3 mm
r1a max	2.5 mm

Calculation 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

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
0.5	Y0

If Po <Fr, then use Po = Fr

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