Technical data

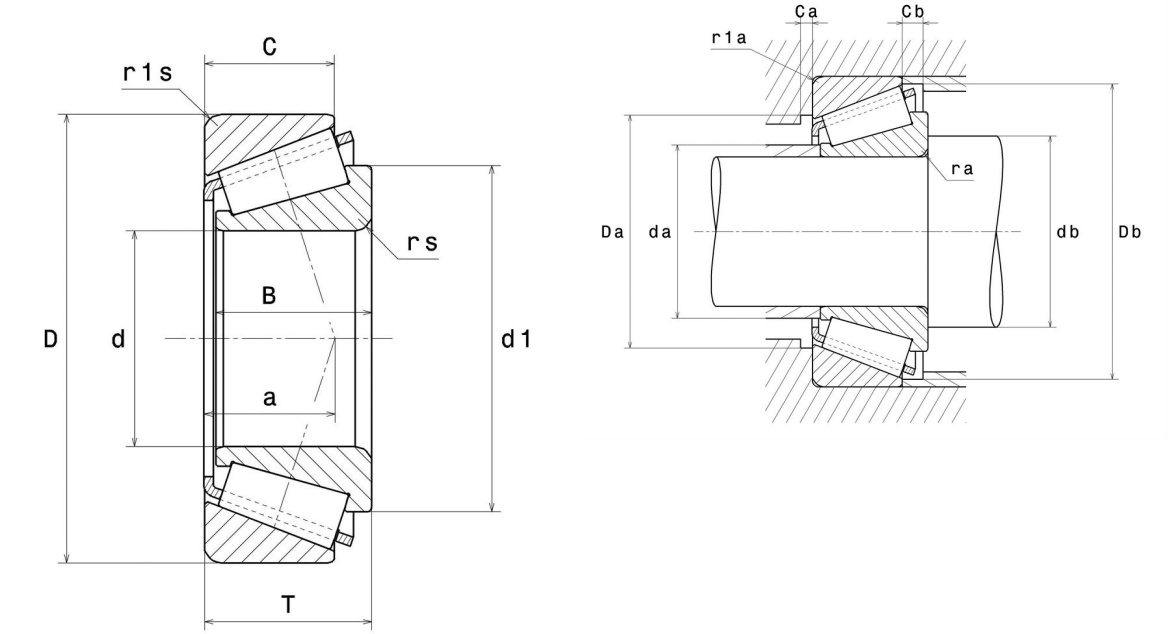
4T-JM738249/JM738210

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)



Product definition

d	190 mm
D	260 mm
B	44 mm
C	36.5 mm
T	46 mm
d1	227 mm
a	56.9 mm
e	0.48
Y2	1.26
Y0	0.69
Mass	6.85 kg
Brand	NTN

Product performance

Dynamic load, C	365 kN
Rating life coefficient, A2	1.4
Static load, C0	720 kN
Fatigue limit load, Cu	68.9 kN
Nlim (oil)	1,600 Tr/min
Nlim (grease)	1,200 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	13.48 Hz
Characteristic outer ring frequency, BPF0	15.8 Hz
Characteristic inner ring frequency, BPFI	18.2 Hz

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