

Technical data

4T-30207

Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

VISUAL (S)



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	35 mm
D - External diameter	72 mm
B - Bearing/Inner ring width	17 mm
C - Outer ring width	15 mm
T - Total width	18,25 mm
d1 - External diameter inner ring	52,5 mm
a - Charge load application point	15 mm
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,5 mm
Mass	0,341 kg
ISO 355 reference	T3DB035

PRODUCT PERFORMANCE

C - Dynamic load	61,5 kN
C0 - Static load	61,5 kN
Cu - Fatigue limit load	7,5 kN
A2 - Rating life coefficient	1
e - Coefficient	0.37
Y0 - Static axial load coefficient	0.88
Y2 - Upper axial load coefficient	1.6
N lim - Oil lubrication limit speed	7400 tr/min
N lim - Grease lubrication limit speed	5500 tr/min
Tmin - Min operating temperature	-40 °C



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PRODUCT PERFORMANCE

Tmax - Max operating temperature	120 °C
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ABUTMENT

da max - Max shoulder diameter IR	44 mm
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db min - Min IR shoulder diameter	43,5 mm
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Da min - Min shoulder diameter OR	62 mm
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Da max - Max shoulder diameter OR	63,5 mm
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Db min - Min OR shoulder diameter	67 mm
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Ca - Min clearance	3 mm
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Cb - Min clearance	3 mm
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ra max - Max fillet radius	1,5 mm
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r1a - Max fillet radius	1,5 mm
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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

$P_0 = X_0.F_r + Y_0.F_a$

X0	Y0
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

