



Technical data

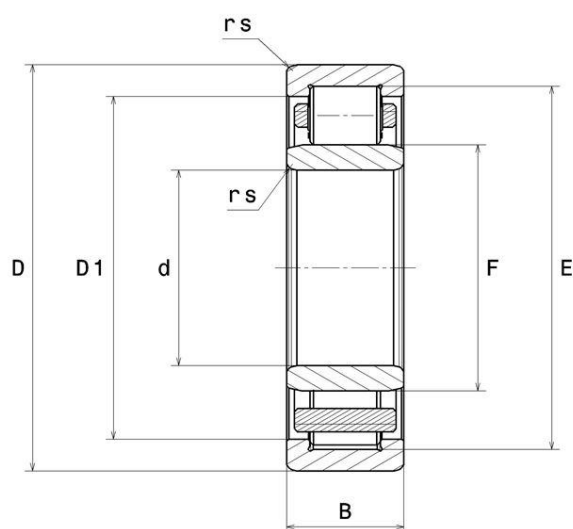
NU2209EAT2X

Single row cylindrical roller bearings

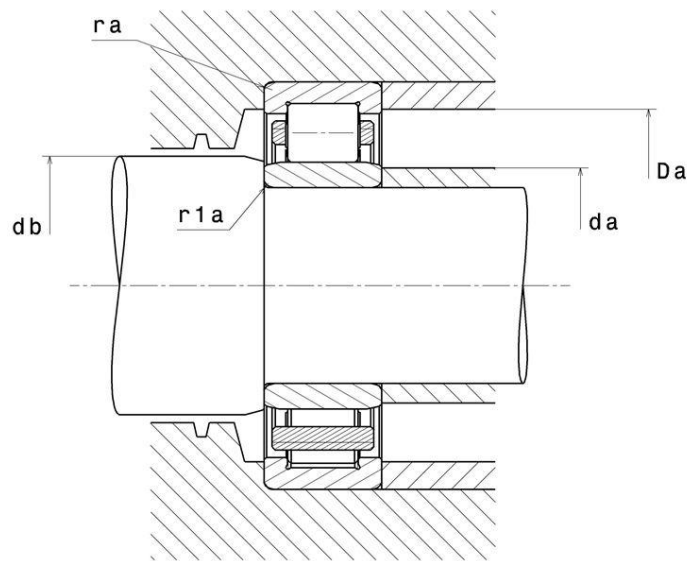
Single row cylindrical roller bearing, floating, separable, polyamide cage

ULTAGE®

VISUAL (S)



NU2209EAT2X
Single row cylindrical roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	45 mm
D - External diameter	85 mm
B - Bearing/Inner ring width	23 mm
E - Upper roller diameter	76,5 mm
F - Under roller diameter	54,5 mm
rs - Min fillet radius	1,1 mm
r1s - Min fillet radius	1,1 mm
Radial clearance class	CN
Mass	0,6 kg

PRODUCT PERFORMANCE

C - Dynamic load	90000000 mN
C0 - Static load	84500000 mN



PRODUCT PERFORMANCE

Cu - Fatigue limit load	10300000 mN
N lim - Oil lubrication limit speed	57600 °/s
N lim - Grease lubrication limit speed	40800 °/s
Tmin - Min operating temperature	253,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	51,5 mm
da max - Small face shoulder max diameter	54 mm
db min - Min inner ring GO diameter	57 mm
Da max - Max shoulder diameter OR	78,5 mm
ra max - Max fillet radius	1 mm
r1a - Max fillet radius	1 mm



INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
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