

Technical data

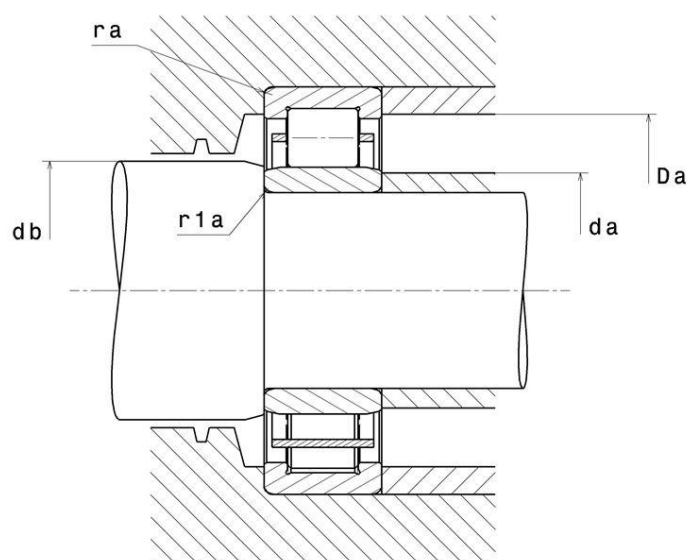
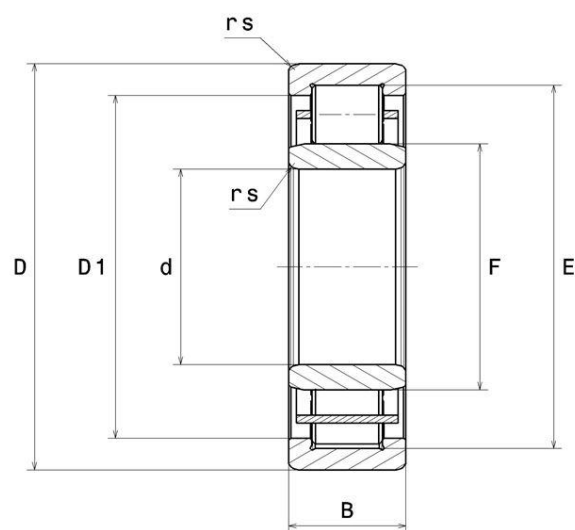
NU209

Single row cylindrical roller bearings



Single row cylindrical roller bearing, floating, separable, pressed steel cage

VISUAL (S)



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	45 mm
D - External diameter	85 mm
B - Bearing/Inner ring width	19 mm
E - Upper roller diameter	75 mm
F - Under roller diameter	55 mm
rs - Min fillet radius	1,1 mm
r1s - Min fillet radius	1,1 mm
Radial clearance class	CN
Mass	0,432 kg

PRODUCT PERFORMANCE

C - Dynamic load	51000000 mN
C0 - Static load	47000000 mN
Cu - Fatigue limit load	57000000 mN
N lim - Oil lubrication limit speed	59400 °/s
N lim - Grease lubrication limit speed	50400 °/s
Tmin - Min operating temperature	233,15 °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



NTN Europe

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ABUTMENT	
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	
$P_0 = Fr$	