

Technical data

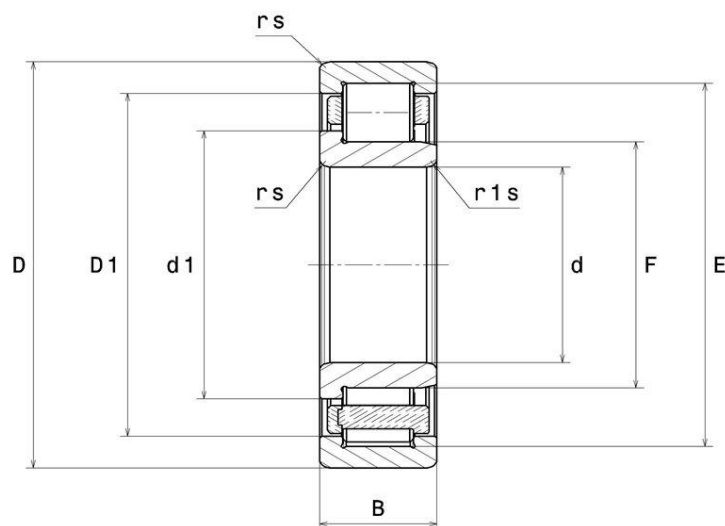
NJ310EAG1C4

Single row cylindrical roller bearings



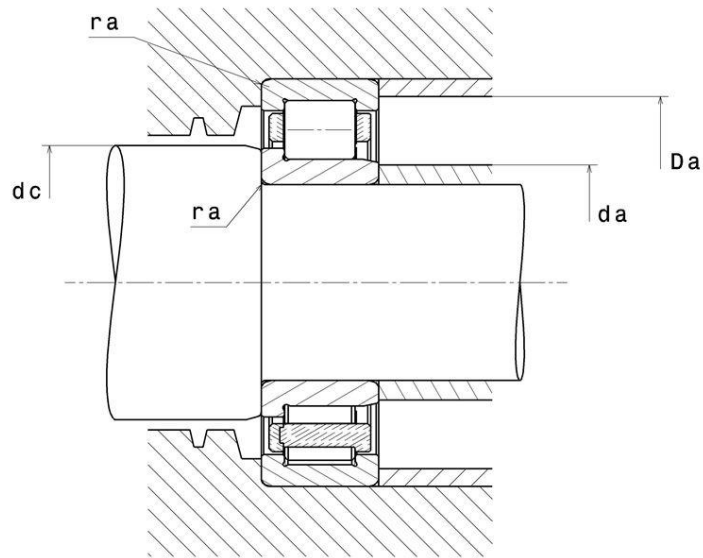
ULTAGE®

VISUAL (S)



NJ310EAG1C4

Single row cylindrical roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	50 mm
D - External diameter	110 mm
B - Bearing/Inner ring width	27 mm
E - Upper roller diameter	97 mm
F - Under roller diameter	65 mm
d1 - IR flange outer diameter	71,4 mm
rNs - Min fillet radius	2 mm
rs - Min fillet radius	2 mm
Radial clearance class	C4

PRODUCT PERFORMANCE	
C - Dynamic load	130000000 mN
C0 - Static load	113000000 mN

PRODUCT PERFORMANCE

Cu - Fatigue limit load	13800000 mN
N lim - Oil lubrication limit speed	49800 °/s
N lim - Grease lubrication limit speed	35400 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	59 mm
Da max - Max shoulder diameter OR	101 mm
Db min - Small face shoulder min diameter	99 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 mm



INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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