



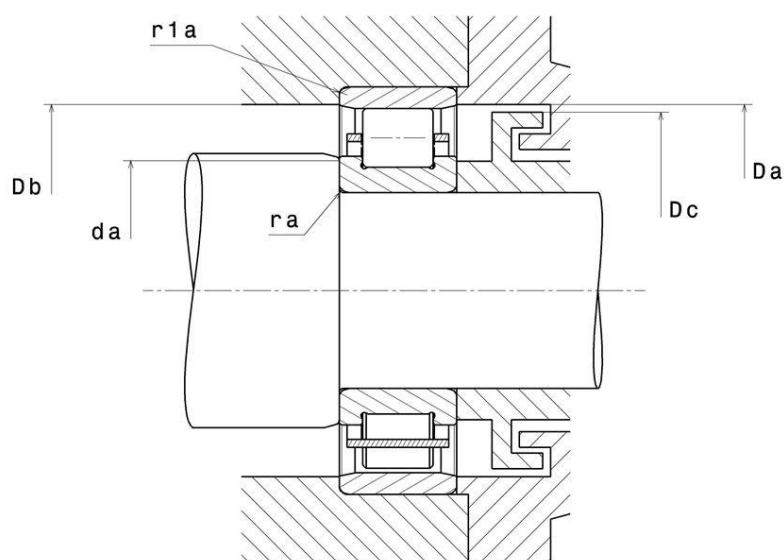
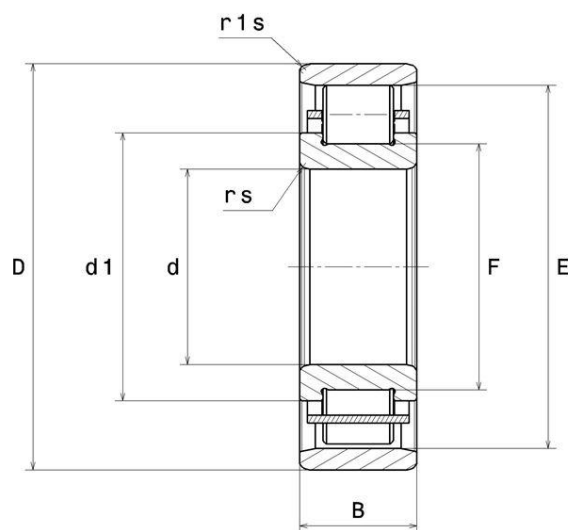
Technical data

N314

Single row cylindrical roller bearings

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

VISUAL (S)



N314

Single row cylindrical roller bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	70 mm
D - External diameter	150 mm
B - Bearing/Inner ring width	35 mm
E - Upper roller diameter	130 mm
F - Under roller diameter	90 mm
d1 - IR flange outer diameter	98 mm
rs - Min fillet radius	2,1 mm
r1s - Min fillet radius	2,1 mm
Radial clearance class	CN
Mass	2,65 kg

PRODUCT PERFORMANCE

C - Dynamic load	175000000 mN
C0 - Static load	168000000 mN
Cu - Fatigue limit load	20000000 mN
N lim - Oil lubrication limit speed	33000 °/s
N lim - Grease lubrication limit speed	28200 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	81 mm
Da max - Max shoulder diameter OR	139 mm
Db min - Small face shoulder min diameter	133 mm



NTN Europe

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ABUTMENT	
Dc max - Max outer ring GO diameter	128 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 $P_0 = Fr$