



Technical data

NU220

Single row cylindrical roller bearings

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

VISUAL (S)



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	100 mm
D - External diameter	180 mm
B - Bearing/Inner ring width	34 mm
E - Upper roller diameter	160 mm
F - Under roller diameter	120 mm
rs - Min fillet radius	2,1 mm
r1s - Min fillet radius	2,1 mm
Radial clearance class	CN
Mass	3,33 kg

PRODUCT PERFORMANCE

C - Dynamic load	203000000 mN
C0 - Static load	217000000 mN
Cu - Fatigue limit load	23900000 mN
N lim - Oil lubrication limit speed	27000 °/s
N lim - Grease lubrication limit speed	22800 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	111 mm
da max - Small face shoulder max diameter	117 mm
db min - Min inner ring GO diameter	122 mm
Da max - Max shoulder diameter OR	169 mm



ABUTMENT	
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	
$P_0 = Fr$	

