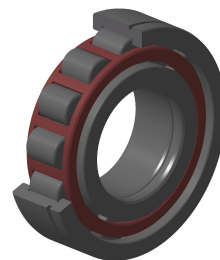


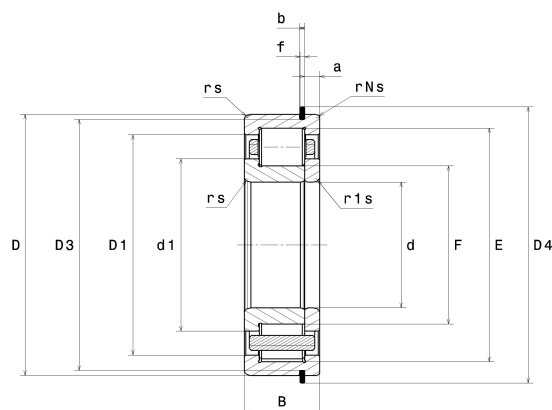
PDF technical sheet NUP209ENRG15J30



Single row cylindrical roller bearings

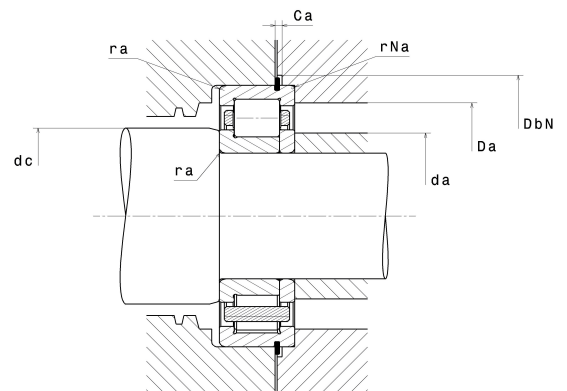
Single row cylindrical roller bearing with snap ring, separable, locating, polyamide cage

Product definition	
d	1.7717 "
D	3.3465 "
B	0.7480 "
E	3.0118 "
F	2.1457 "
d1	2.3228 "
D1	2.8858 "
a min	0.1209 "
a max	0.1291 "
Ca min	0.1839 "
Ca max	0.1961 "
rNs min	0.0236 "
D3 max	3.2209 "
b min	0.0748 "
b max	0.0866 "
r0 max	0.0236 "
D4 max	3.6063 "
f	0.0650 "
Snap ring reference	R85
rs min	0.0433 "
r1s min	0.0433 "
Radial clearance class	C3
Mass (without HJ ring)	1.61 oz
Brand	SNR



Product performance

Dynamic load, C	64.80 kN
Static load, C ₀	68.90 kN
Fatigue limit load, C _u	8.40 kN
N _{ref}	6,900 RPM
N _{lim}	9,900 RPM
Min operating temperature, T _{min}	-4 °C
Max operating temperature, T _{max}	248 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.79 Hz
Characteristic outer ring frequency, BPF ₀	6.24 Hz
Characteristic inner ring frequency, BPF _I	8.76 Hz



Abutment dimensions

da min	2.0276 "
dc min	2.4016 "
Da max	3.0906 "
DbN min	3.6614 "
ra max	0.0394 "
r1a max	0.0394 "
rNa max	0.0236 "

Calculation factors

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$