



Bearing No. 30316DU

B	39 mm
e	0.83
d	80 mm
D	170 mm
T	42,5 mm
C	27 mm
a	53,5 mm
Y2	0.73
Sa	6 mm
d1	125.5 mm
Y0	0.4
Sb	15,5 mm
Mass	4.11 kg
ra max	2.5 mm
Weight	4,11 Kg
Ca min	6 mm
Db min	159 mm
r min.	3 mm
Da max	158 mm
rs min	3 mm
Da min	134 mm
Cb min	15.5 mm
db min	94 mm
da max	97 mm
r1s min	2.5 mm
ra max.	2,5 mm
r1a max	2 mm
Db min.	159 mm
db max.	97 mm
Da max.	158 mm

da min.	94 mm
r1 min.	2,5 mm
ra1 max.	2 mm
Category	Bearings
Size (mm)	80x170x42.5
Inventory	0.0
Nlim (oil)	2,700 rpm
Width (mm)	42,5
Nlim (grease)	2,000 rpm
Product Group	B04334
Bearing number	30316DU
Static load, C0	283 kN
Dynamic load, C	236 kN
ISO 355 reference	T7GB080
Weight / Kilogram	0
Manufacturer Name	NTN
Bore Diameter (mm)	80
Outer Diameter (mm)	170
Minimum Buy Quantity	N/A
Calculation factor (e)	0,83
Fatigue limit load, Cu	32.3 kN
(Oil) Lubrication Speed	2 700 r/min
Calculation factor (Y0)	0,4
(Grease) Lubrication Speed	2 000 r/min
Rating life coefficient, A2	1
Basic static load rating (C0)	283 kN
Basic dynamic load rating (C)	236 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-40 °C

Characteristic cage frequency, FTF	0.42 Hz
Characteristic inner ring frequency, BPF1	9.24 Hz
Characteristic outer ring frequency, BPF0	6.76 Hz
Characteristic rolling element frequency, BSF	5.52 Hz