



Bearing No. 33016U

B	36 mm
C	29,5 mm
e	0.28
d	80 mm
D	125 mm
T	36 mm
a	25 mm
Sa	6 mm
Sb	6,5 mm
Y2	2.16
Y0	1.19
d1	102.5 mm
Mass	1.6 kg
Weight	1,6 Kg
Ca min	6 mm
Db min	119 mm
da max	89 mm
Da max	116.5 mm
rs min	1.5 mm
Da min	112 mm
db min	88.5 mm
r min.	1,5 mm
Cb min	6.5 mm
ra max	1.5 mm
r1s min	1.5 mm
r1a max	1.5 mm
Db min.	119 mm
ra max.	1,5 mm
db max.	89 mm
Da max.	116,5 mm

da min.	88,5 mm
r1 min.	1,5 mm
ra1 max.	1,5 mm
Size (mm)	80x125x36
Nlim (oil)	3,700 rpm
Width (mm)	36
Nlim (grease)	2,800 rpm
Bearing number	33016U
Dynamic load, C	173 kN
Static load, C0	284 kN
ISO 355 reference	T2CE080
Bore Diameter (mm)	80
Outer Diameter (mm)	125
Calculation factor (e)	0,28
Fatigue limit load, Cu	34.4 kN
Calculation factor (Y0)	1,19
(Oil) Lubrication Speed	3 700 r/min
(Grease) Lubrication Speed	2 800 r/min
Rating life coefficient, A2	1
Basic static load rating (C0)	284 kN
Basic dynamic load rating (C)	173 kN
Max operating temperature, Tmax	120 °C
Min operating temperature, Tmin	-40 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic inner ring frequency, BPF1	14.35 Hz
Characteristic outer ring frequency, BPF0	11.65 Hz
Characteristic rolling	9.36 Hz

element frequency, BSF	
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