PDF technical sheet
6TS26E230/670BL1KC4

Double row spherical roller bearings

Spherical roller bearing, with central rib on inner ring, 2-part machined cage centred on inner ring, groove and lubrication holes on outer ring, tapered bore 1:12

Product definition	
d	35.4331 "
D	38.5827 "
B	9.0551 "
rs min	0.2953 "
Number of lubrication holes	8
b	1.2992 "
k	0.7874 "
Associated sleeve reference	H30/670
e	0.22
Y1	3.07
Y2	4.57
Y0	3
Radial clearance class	C4
Brand	NTN

Product performance	
Dynamic load, C	6,550 kN
Static load, C0	14,600 kN
Fatigue limit load, Cu	1,000 kN
Nlim	520 RPM
Min operating temperature, Tmin	−40 °C
Max operating temperature, Tmax	302 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	11.13 Hz
Characteristic outer ring frequency, BPF0	13.22 Hz
Characteristic inner ring frequency, BPFI	15.78 Hz

Abutment dimensions	
da min	36.5354 "
db min	27.3622 "
Ce min	0.8661 "
Da max	37.4803 "
ra max	0.2362 "

Calculation factors

Equivalent dynamic radial load

P = X.Fr + Y.Fa

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	Y1	0.67	Y2

Equivalent static radial load

$P_0 = X_0.Fr + Y_0.Fa$

X_0	Y_0
1	Y0

The values for e, Y1, Y2 and Y0 are shown in the above table .