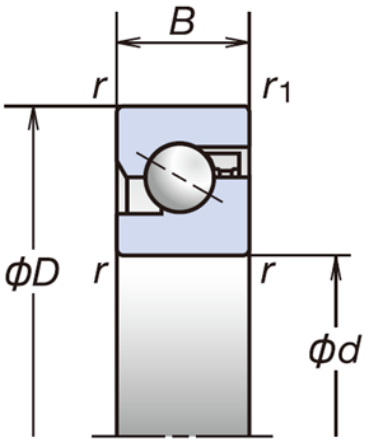
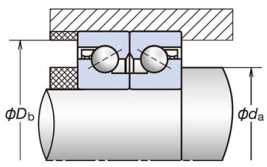
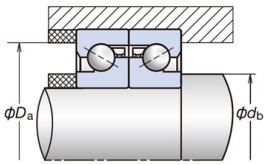
40TAC72C

For High-Rigidity Applications (NSKTAC C Series)







Parts Number

	40TAC72CSUHPN7C

Boundary Dimensions

d	40	mm	Bore diameter
D	72	mm	Outside diameter
B	15	mm	Width
r(min.)	1	mm	Chamfer Dimension
r1(min.)	0.6	mm	Chamfer Dimension

Basic Load Ratings

Ca(1row)	40.0	kN	Basic Dynamic Load Rating Ca by Number of Rows Sustaining Fa
Ca(2row)	65.0	kN	Basic Dynamic Load Rating Ca by Number of Rows Sustaining Fa
Ca(3row)	86.5	kN	Basic Dynamic Load Rating Ca by Number of Rows Sustaining Fa

Speeds

Grease	4100	min-1	Limiting Speed (H-Preload)
Oil (Oil-air)	5500	min-1	Limiting Speed (H-Preload)

Dimensions

	60°		Contact Angle
db(min.)	47	mm	Diameter of Shaft Abutment

Abutment and Fillet Dimensions

da(min.)	47	mm	Diameter of Shaft Abutment
Da(max.)	66	mm	Diameter of Housing Abutment
Db(max.)	67	mm	Diameter of Housing Abutment

Performance

1row	52.0	kN	Limiting Static Axial Load by Number of Rows Sustaining Fa
2row	104	kN	Limiting Static Axial Load by Number of Rows Sustaining Fa
3row	157	kN	Limiting Static Axial Load by Number of Rows Sustaining Fa

Calculation of preload, axial rigidity and starting torque for bearing arrangements.
Multiply by factors in table B.

Table B	DFD	DFF	DFT
	DBD	DBB	DBT
Preload factor	1.36	2.00	1.57
Axial rigidity	1.49	2.00	1.89
Starting torque	1.35	2.00	1.55

Preload,Rigidity(DB and DF arrangement)

	Preload	Axial Rigidity
H	2860N	1080N/μm

Additional information

H	-15	μm	Measured Axial Clearance(DB and DF arrangement)
H	0.19	N・m	Starting Torque(DB and DF arrangement)
	3.6	g/brg	Recommended Grease Quantities

Mass

	0.275	kg	Mass(approx.)