

**35TAC72C**

For High-Rigidity Applications (NSKTAC C Series)

**Parts Number**

35TAC72CSUHPN7C

**Boundary Dimensions**

d	35	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)	39.0	kN	Basic Dynamic Load Rating Ca by Number of Rows Sustaining Fa
Ca(2row)	63.5	kN	Basic Dynamic Load Rating Ca by Number of Rows Sustaining Fa
Ca(3row)	84.5	kN	Basic Dynamic Load Rating Ca by Number of Rows Sustaining Fa

**Speeds**

Grease	4100	min-1	Limiting Speed (H-Preload)
Oil (Oil-air)	5800	min-1	Limiting Speed (H-Preload)

**Dimensions**

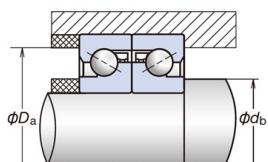
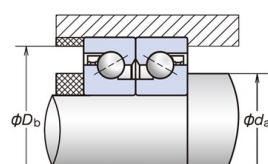
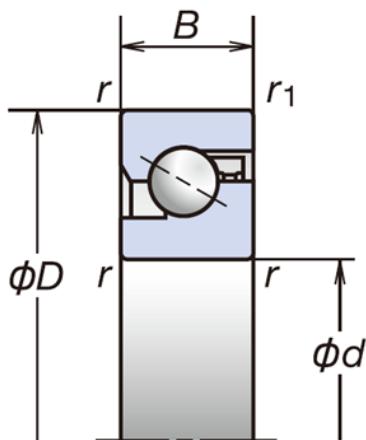
	60°		Contact Angle
db(min.)	42	mm	Diameter of Shaft Abutment

**Abutment and Fillet Dimensions**

da(min.)	42	mm	Diameter of Shaft Abutment
Da(max.)	66	mm	Diameter of Housing Abutment
Db(max.)	67	mm	Diameter of Housing Abutment

**Performance**

1row	50.0	kN	Limiting Static Axial Load by Number of Rows Sustaining Fa
2row	100	kN	Limiting Static Axial Load by Number of Rows Sustaining Fa
3row	150	kN	Limiting Static Axial Load by Number of Rows Sustaining Fa





# PRODUCT DATASHEET

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**NSK**

## Preload, Rigidity(DB and DF arrangement)

	Preload	Axial Rigidity
H	2750N	1030N/μm

Calculation of preload, axial rigidity and starting torque for bearing arrangements.

Multiply by factors in table B.

Table <b>B</b>	DFD	DFF	DFT
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	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

## Additional information

H	-15	μm	Measured Axial Clearance(DB and DF arrangement)
H	0.18	N · m	Starting Torque(DB and DF arrangement)
	3.5	g/brg	Recommended Grease Quantities

## Mass

	0.310	kg	Mass(approx.)
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