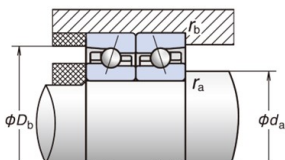
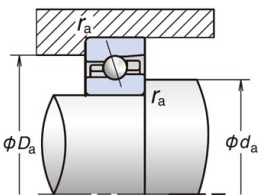
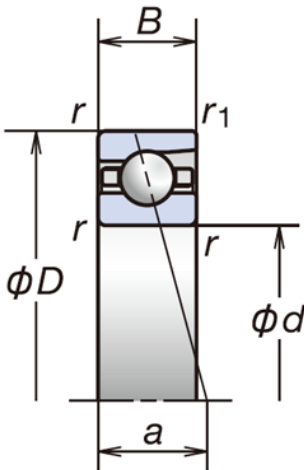




7006C

Standard Series High Precision Angular Contact Ball Bearings



Parts Number

7006CTRV1VSULP3

Boundary Dimensions

d	30	mm	Bore diameter
D	55	mm	Outside diameter
B	13	mm	Width
r(min.)	1	mm	Chamfer Dimension
r1(min.)	0.6	mm	Chamfer Dimension

Basic Load Ratings

Cr	15.9	kN	Basic Dynamic Load Rating
C0r	10.3	kN	Basic Static Load Rating

Speeds

Grease	27100	min-1	Limiting Speed
Oil (Oil-air)	41200	min-1	Limiting Speed

Dimensions

	C: 15°		Contact Angle
a	12.2	mm	Effective Load Center

Abutment and Fillet Dimensions

da(min.)	36	mm	Diameter of Shaft Abutment
Da(max.)	49	mm	Diameter of Housing Abutment
Db(max.)	50	mm	Diameter of Housing Abutment
ra(max.)	1	mm	Radius of Shaft or Housing Fillet
rb(max.)	0.5	mm	Radius of Shaft or Housing Fillet

Performance

Pa	6.85	kN	Permissible Axial Load
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Calculation factors

f0	14.9		Factor
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Preload,Rigidity(DB and DF arrangement)

	Preload	Axial Rigidity	Measured axial clearance
EL	41N	30N/μm	1μm
L	75N	38N/μm	-3μm
M	195N	58N/μm	-13μm
H	386N	81N/μm	-24μm



PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 9:56 (UTC)



Table A		EL	L	M	H
	15°	6.5	6.0	5.0	4.5
	25°	2			
	30°	1.4			

Table B	DBD	DBB
Preload factor	1.36	2
Axial rigidity	1.48	2
Radial rigidity	1.54	2

Calculation of radial rigidity
Multiply axial rigidity by the appropriate factor in Table A.

Calculation of preload and axial rigidity for combined bearings
Multiply by the appropriate factor in Table B. For radial rigidity, multiply the value from Table A with the appropriate factor in Table B.

Additional information

0.64	g/brg	Recommended Grease Quantities
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Mass

0.114	kg	Mass(approx.)
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