



7032A5

Standard Series High Precision Angular Contact Ball Bearings



Boundary Dimensions

d	160	mm	Bore diameter
D	240	mm	Outside diameter
B	38	mm	Width
r(min.)	2.1	mm	Chamfer Dimension
r1(min.)	1.1	mm	Chamfer Dimension

Basic Load Ratings

Cr	204	kN	Basic Dynamic Load Rating
C0r	183	kN	Basic Static Load Rating

Speeds

Grease	4500	min-1	Limiting Speed
Oil (Oil-air)	7000	min-1	Limiting Speed

Dimensions

	A5: 25°		Contact Angle
a	65.6	mm	Effective Load Center

Abutment and Fillet Dimensions

da(min.)	172	mm	Diameter of Shaft Abutment
Da(max.)	228	mm	Diameter of Housing Abutment
Db(max.)	233	mm	Diameter of Housing Abutment
ra(max.)	2	mm	Radius of Shaft or Housing Fillet
rb(max.)	1	mm	Radius of Shaft or Housing Fillet

Performance

Pa	138	kN	Permissible Axial Load
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Preload,Rigidity(DB and DF arrangement)

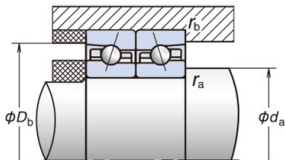
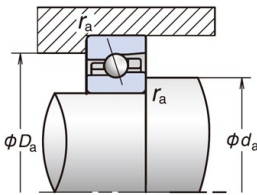
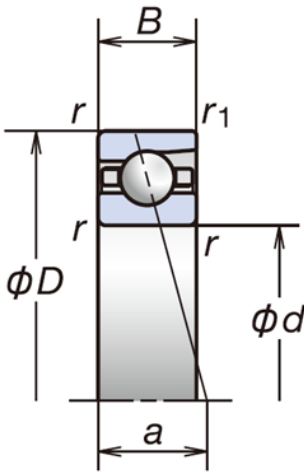
	Preload	Axial Rigidity	Measured axial clearance
EL	1090N	376N/μm	-12μm
L	2168N	483N/μm	-22μm
M	4725N	649N/μm	-40μm
H	9446N	858N/μm	-65μm

Additional information

	29	g/brg	Recommended Grease Quantities
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Mass

	5.71	kg	Mass(approx.)
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PRODUCT DATASHEET

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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.