Angular Contact Bearings with Housings

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Angular Contact Bearings with Housing Sets

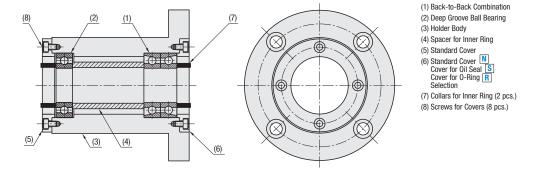
Feature

The angular contact bearings with housing set is a unit holder which includes Back-to-Back bearings.

Usage

Suitable for high loading applications with both radial and axial load.

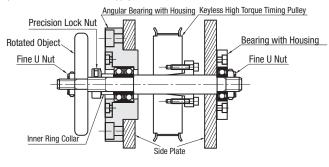
Structure Diagram



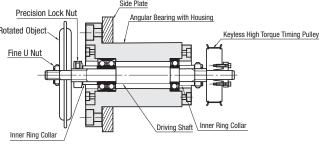
Product Lineup & Example of Use

- 2 New types, the flanged type and the pilot type, have been added to back-to-back combination and deep groove type.
- A compact back-to-back combination type that can be combined with other bearing housings has also been newly added.

Example (1) (Back-to-Back Combination Type)



(Back-to-Back Combination + Deep Groove Type)



Cautions on Angular Contact Bearings with Housing Selections

- MISUMI angular contact bearings are designed for grease lubrication.
- Angular contact bearings are not pre-greased at the time of shipment.
 Please apply grease before use.
- An outer ring cover for grease splash prevention is included with the angular contact bearings.
- For grease splash prevention, an outer ring fixing cover can be selected from type S (for oil seal) and type R (for O-ring). An oil seal and O-ring are included as standard.
- An inner ring collar is included for use with bearing lock nuts. (The collar is not necessary on stepped shafts)

For Back-to-Back Combination Type (ABGEB, ABGE)

 When the rotary shaft is long, it can be used in combination with the regular bearing with housings for deep groove ball bearings. (Refer to the example of use (1))

For Back-to-Back Combination + Deep Groove Type (ABGCB, ABGC, ABGYB, ABGY)

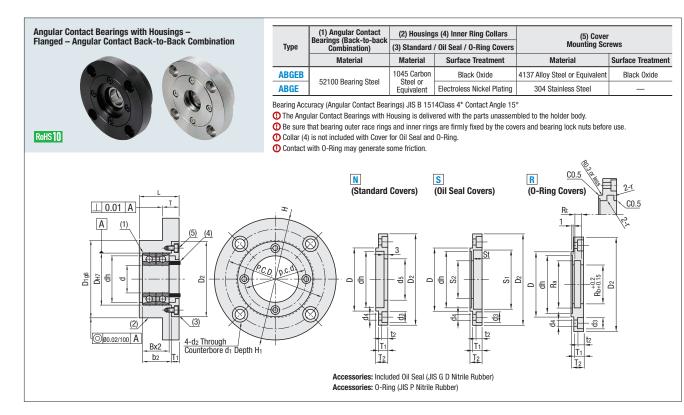
- A normal cover for outer ring fixing is included with the radial bearing.
- Outer ring of the radial bearing is not fixed in thrust direction.
- A spacer for inner rings is included as an accessory that can be used to axially tie the inner rings of the angular contact bearings and deep groove ball bearing together.

Mounting Procedures for Angular Contact Bearings with Housing

- 1. Apply grease to angular contact bearings.
- 2. Put the bearings together in a back-to-back relationship.
- 3. Insert the rotary shaft into the Angular Contact Bearings set.
- 4. Insert the shaft into the inner ring spacer.
- 5. Insert the angular contact bearings into the holder.
- 6. Install the deep groove ball bearing on the shaft, and then into the holder.
- 7. Mount the outer ring cover with the screws by tightening them evenly.
- 8. Install the inner ring collar on the shaft with a bearing nut.
- 9. Verify whether the shaft rotates smoothly.

Angular Contact Bearings with Housings

Flanged – Angular Contact Back-to-Back Combination



Part Numb	(3) Cover Types			n		В		ш	n .	-	alla	_		P.C.D.	-	ч		
Туре	Bearing No.	Selection		d	D _{H7}	Tolerance	В	D ₂	Н	D ₂		dh	D _{1g6}	Tolerance	P.G.D.	d ₁	a ₂	H ₁
	7002	N Standard Cover S Oil Seal R O-Ring	29	15	32	+0.025 2 0 7	9	20	75	40	12	28	F0	-0.009 -0.025	62	11	6.6	6.5
	7003		31	17	35		10	22	75	48		31	50					
ABGEB	7004		36	20	42		12	26	92	58	15 18 20	36	60	-0.010 -0.029 -0.012 -0.034	75 80	14	9	8.5
Black Oxide	7005		38	25	47				98	63		41	65					
1005	7006		40	30	55		13	28	120	78		48	80		98	17.5	11	10.5
ABGE Electroless	7007		43	35	62		14	30	126	84		55	86		106			
Nickel Plating	7008		46	40	68	+0.030	15	32	140	92		60	95		116			
	7009		48	45	75		16	34	145	98		69	100		122			
	7010		50	50	80		10	34	147	101		74	105		124			

		(3) Cover Details															(5) Cover	(4) Collar Details					
No.				T ₁	T ₂	P.C.D.		d ₄	t ₂	N Standard Cover		S Oil Seal Covers				R O-Ring Covers							
	D	D ₂	dh				d ₃			d ₅	S ₁	S ₂	St	Accessory Oil Seal	Ra	Rb	Rt	r	Accessory 0-Ring	Mounting Screws	Outer Diameter	Inner Diameter	Thickness
7002	32	48	28	6	8	40	6.5	3.5	3.1	21	32	22	5	G20325	24	20	3.2	0.4	P20 M3-8	M2 0	20	15	8.5
7003	35	40	31	0	0	40	0.5	3.5		21	32	22		020323	24	20				IVI3-0		17	
7004	42	58	36	7	9	48	- 8	4.5	4.1	26	35	27	6	D25356	31	25			P25	M4-10	25	20	9.5
7005	47	63	41	8	10	53	°			31	40	32	7	D30407	36	30			P30		30	25	
7006	55	78	48	°	10	64	9.5	5.5	5.1	41	50	42	6.5	D40506.5	41	35	4.7	0.7	P35	M5-12	40	30	10.5
7007	62	84	55			72	9.5	5.5		46	60	47		D45609	46	40	4.7		P40		45	35	
7008	68	92	60	9	11	78				51	65	52	١	D50659	51	45			P45	M6-12	50	40	11.5
7009	75	98	69			85	11	6.6	6.1	56	70	57	9	D55709	56	50			P50		55	45	
7010	80	101	74	11	13	88				61	75	62		D60759	70	60	7.5	0.8	P60	M6-15	60	50	13.5







