Angular Contact Bearings with Housings

Overview

Angular Contact Bearings with Housings

Angular Contact Regring

Angular Contact Back-to-Back Combination - Flanged

Angular Contact Bearings with Housings

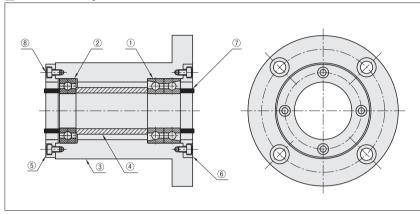
Features

• The Angular Contact Bearings with Housing set is a unit holder which includes Back-to-Back Bearings.

Application

• Suitable for heavy load applications with both radial and axial load.

■Construction Diagram



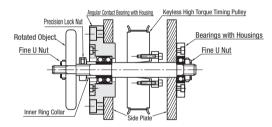
- 1) Angular Contact Back-to-Back Combination
- ②Deep Groove Ball Bearing ③Housing Body
- 4 Inner Ring Spacer
- 5 Standard Cover 6 Standard Cover N
- Oil Seal Cover S

 O-Ring Cover R Selectable
- 7 Collar for Inner Ring (2 pcs.) 8 Screw for Cover (8 pcs.)

Product Lineup and Application

- Two New types, the flanged type and the pilot type have been added to Angular Contact Back-to-Back Combination + Deep Groove Ball Bearing Type.
- A compact Angular Contact Back-to-Back Combination Type that can be combined with other bearing housings has also been newly added.

App. Example (1) (Angular Contact Back-to-Back Combination)



■ Cautions on Angular Contact Bearings with Housings Selection

- · 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 0-ring). An oil seal and 0-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.)

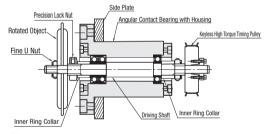
For Back-to-Back Combination Type (ABGEB, ABGE)

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

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

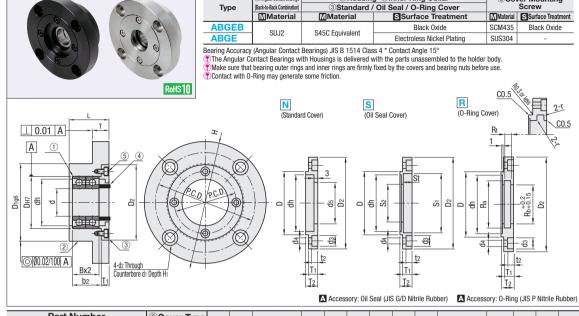
- A standard cover for outer ring fixing is included with the radial bearing (deep groove ball bearing side).
- $\boldsymbol{\cdot}$ Outer ring of the radial bearing is not fixed in thrust direction.
- A spacer for the inner ring is included as an accessory that can be used to axially tie the inner ring of the angular contact bearing and the deep groove ball bearing together.

App. Example (2) (Angular Contact Back-to-Back Combination + Deep Groove Ball Bearing)



Mounting Procedures for Angular Contact Bearings with Housings

- 1. Apply grease on an angular contact bearings.
- 2. Put the bearings together in a back-to-back combination.
- 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.

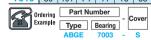


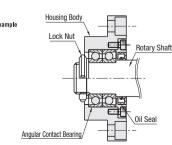
2Housing 4Inner Ring Collar

5Cover Mounting

	Part Num	3 Cover Type		d	D _{H7}		В	b ₂	н	D ₂	т	dh	D40		P.C.D.	d1	d ₂	H₁	
	Type	Bearing No.	Selection	_	- u Dn/		Tolerance	ь	D2	- 11	D 2	'	uii	D 1g6	Tolerance	F.C.D.	uı	uz	111
		7002	N Standard S Oil Seal	29	15	32	+0.025	9	20	75	48	12	28	50	-0.009	62	11	6.6	6.5
		7003		31	17	35		10	22	13	40		31	30	-0.025	02			
	ABGEB	7004		36	20	42		12	26	92	58	15	36	60	-0.010 -0.029	75	14	9	8.5
	(Black Oxide)	7005		38	25	47		12	20	98	63	15	41	65		80		9	0.0
		7006		40	30	55		13	28	120	78	18	48	80		98	17.5		10.5
	ABGE	7007		43	35	62		14	30	126	84	10	55	86		106			
	Electroless Nickel Plating)	7008		46	40	68		15	32	140	92		60	95	-0.012	116		11	
		7009	0-Ring	48	45	75		16	34	145	98	20	69	100	-0.034	122			
_		7010		50	50	80		10		147	101		74	105		124			

			③Cover Details																			4 Collar Details										
No	. [N Standard Cover	Standard Cover S Oil Seal Cover					R)-Ri	ng C	over	⑤Cover Mounting											
	o. D	D	D ₂	dh	T ₁	T ₂	P.C.D.	d 3	d4	t2	d ₅	S ₁	S ₂	St	Accessory Oil Seal	Ra	Rb	Rt	r	Accessory O-Ring	Screw	O.D.	I.D.	Thickness								
700	02	32	48	28	6	0	0	0	0	0	0	0	0	8	40	6.5	3.5	3.1	21	32	22	5	G20325	24	20	3.2	0.4	P20	M3-8	20	15	8.5
700	03	35	40	31	U	0	40	0.5	3.3	3.1	21	32	22	٦	020323	24	20	3.2	0.4	F 20	IVIS-0	20	17	0.5								
700	04	42	58	36	7	10	48	- 8	4.5		26	35	27	6 D2	D25356	31	25			P25	M4-10	25	20	9.5								
700	05	47	63	41	0		53	٥	4.5		31	40	32	7	D30407	36 30	30			P30	IVI4-10	30	25	10.5								
700	06	55	78	48	0		64	9.5	5.5		41	50	42	6.5	D40506.5	41	35	4.7	0.7	P35	M5-12	40	30	10.5								
700	07	62	84	55			72 9.		5.5		46	60	60 47		D45609	46	40		0.7	P40		45	35									
700	80	68	92	60	9		78	78	78				51	65	52	9	D50659	51	45	1		P45	M6-12	50	40	11.5						
700	09	75	98	69			85	11	6.6	6.1	56	70	57	9	D55709	56	50			P50	IVIO-12	55	45									
70	10	80	101	74	11	13	88				61	75	62		D60759	70	60	7.5	0.8	P60	M6-15	60	50	13.5								
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			AB	GEB		ABGE								
NI -	Cov	er N	Cov	er S	Cov	er R	Cov	er N	Cov	er S	Cover R			
No.	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Ra										
	1 pc.	2 ~ 4 pcs.	1 pc.	2 ~ 4 pcs										
7002														
7003														
7004														
7005														
7006														
7007														
7008														
7009														
7010														