Bearings with Housings

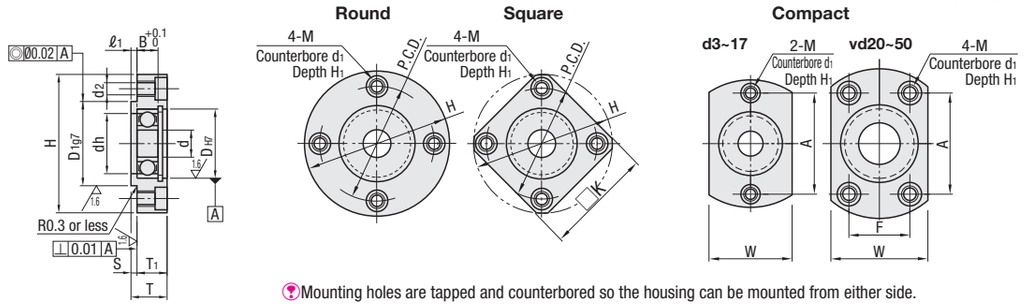
Pilot, Retained

RoHS 10

Type			Material		Surface Treatment	Accessory
Round	Square	Compact	Bearing	Housing	Housing	Retaining Ring
BGRRB	BGSRB	BGCRB	Steel	S45C Equivalent	Black Oxide	Spring Steel
BGRR	BGSR	BGCR			Electroless Nickel Plating	SUS304
BARR	BASR	BACR		2000series Aluminum Alloy	Clear Anodize	SUS304
SBARR	SBASR	SBACR	* Stainless Steel			
SBGRR	SBGSR	SBGCR		SUS304	-	

* Bearings with Rubber Seals (VV and DD) are all made of steel.

Bearing Accuracy: JIS B 1514 Class 0



Mounting holes are tapped and counterbored so the housing can be mounted from either side.

Part Number			d	DH7	Tolerance	B	H	W	T	T1	S	ℓ1	dh	D1g7	Tolerance	P.C.D.	K	A	F	M (Coarse) (d2)	d1	H1
Type	Bearing No.	Seal																				
	623		3	10	+0.015 0	4	33	16	9	7			7	14	-0.006 -0.024	24	27	24		M4 (3.3)	6.5	3.4
	624		4	13		5	35	18	10	8			9	17		26	28	26				
	605		5	14	+0.018 0	5	36	20	10	8			10	18		26	30	26				
	625			16		5	38	22	10	8			12	20		28	31	28				
	606		6	17		6	39	23	11	9			13	21		29	32	29				
	626		6	19		6	41	25	11	9			15	24		31	34	31				
	698		8	19		6	41	25	11	9			15	24	-0.007 -0.028	31	34	31				
	608			22		7	45	29	12	10			18	27		35	36	35				
	628			24		8	47	32	13	11			20	30		37	37	37				
	6800		10	19	+0.021 0	5	41	25	10	8			15	24		31	34	31		M5 (4.3)	8	4.4
	6900			22		6	45	29	11	9			19	27		35	36	35				
(Round)	6000			26		8	50	34	13	11			22	32	-0.009 -0.034	40	39	40	-			
BGRRB	6200			30		9	54	38	14	12			24	36		44	42	44				
BGRR	6801		12	21		5	44	29	10	8			17	26	-0.007 -0.028	34	35	34				
BARR	6901			24		6	48	31	11	9			21	30		38	38	38				
SBARR	6001	ZZ Double Shielded		28		8	52	36	13	11			24	34	-0.009 -0.034	42	40	42				
SBGRR	6201			32	+0.025 0	10	56	40	15	13			26	38		46	43	46				
	6802		15	24	+0.021 0	5	47	32	10	8			20	30	-0.007 -0.034	37	37	37				
(Square)	6902	*1 *2 VV Non-Contact Sealed Rubber Seal		28		7	57	37	12	10	2	2	25	35		45	45	45		M6 (5.2)	9.5	5.4
BGSRB	6002			32	+0.025 0	9	60	40	14	12			28	38		48	46	48				
BGSR	6202			35		11	64	44	17	15			29	42		52	49	52				
BASR	6903		17	30	+0.021 0	7	60	38	12	10			27	36	-0.009 -0.034	48	46	48				
SBASR	6003	*2 DD Contact Sealed Rubber Seal		35	+0.025 0	10	66	44	16	14			31	42		54	50	54				
SBGSR	6203			40		12	72	50	18	16			34	48		60	54	60				
	6804		20	32		7	60	40	12	10			28	38		48	46	38	29			
(Compact)	6904			37		9	69	47	15	13			34	45		56	54	51	24	M8 (6.8)	11	6.5
BGCRB	6004			42		12	77	54	18	16			36	50		64	59	56	32			
BGCR	6204			47		14	81	58	20	18			40	54	-0.010 -0.040	68	62	59	34			
BACR	6805		25	37		7	69	47	13	11			34	45	-0.009 -0.034	56	54	51	24			
SBACR	6905			42		9	77	54	15	13			36	50		64	59	56	32			
SBGCR	6005			47		12	88	58	18	16			41	54	-0.010 -0.040	72	67	63	36	M10 (8.5)	14	8.6
	6205			52	+0.030 0	15	94	64	22	20			45	60		78	72	68	39			
	6806		30	42	+0.025 0	7	77	54	13	11			36	50	-0.009 -0.034	64	59	56	32	M8 (6.8)	11	6.5
	6906			47		9	88	58	15	13			41	54		72	67	63	36	M10 (8.5)	14	8.6
	6006			55	+0.030 0	13	96	66	20	18			48	62	-0.010 -0.040	80	73	70	40			
	6206			62		16	104	74	23	21			55	70		88	79	77	44			
	6007		35			14			21	19								75				
	6207			72		17	126	88	26	23	3	3	64	84	-0.012 -0.047	105	95	92	51	M12 (10.5)	17.5	11
	6008		40	68		15	114	82	23	21	2	2	60	78	-0.010 -0.040	96	86	80	54	M10 (8.5)	14	8.6
	6208			80		18	134	96	27	24	3	3	74	92	-0.012 -0.047	113	102	98	56	M12 (10.5)	17.5	11
	6010	ZZ Double Shielded	50			16			25	22							-					
	6210			90	+0.035 0	20	147	110	31	28		4	83	106		126	-	104	72			

Check for available sizes in the price list.

*1 No. 623, 624, 605 and 606 are not available for VV (Non-contact Sealed).

*2 Bearings with Rubber Seals are all made of steel.

Ordering Example

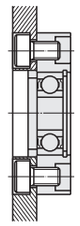
Part Number		
Type	Bearing	Seal
BGRR	6000	ZZ
BGCR	6903	DD

Bearing No.	Seal	Unit Price														
		Round					Square					Compact				
		BGRRB	BGRR	BARR	SBARR	SBGRR	BGSRB	BGSR	BASR	SBASR	SBGSR	BGCRB	BGCR	BACR	SBACR	SBGCR
623					-	-				-	-				-	-
624					-	-				-	-				-	-
605					-	-				-	-				-	-
625					-	-				-	-				-	-
606																
626																
698																
608																
628																
6800																
6900																
6000																
6200																
6801																
6901																
6001																
6201																
6802																
6902	ZZ (x1.0)															
6002																
6202	VV (x1.1)															
6903																
6003																
6203	DD (x1.1)															
6804																
6904																
6004																
6204																
6805				-	-	-			-	-	-			-	-	-
6905				-	-	-			-	-	-			-	-	-
6005				-	-	-			-	-	-			-	-	-
6205				-	-	-			-	-	-			-	-	-
6806				-	-	-			-	-	-			-	-	-
6906				-	-	-			-	-	-			-	-	-
6006				-	-	-			-	-	-			-	-	-
6206				-	-	-			-	-	-			-	-	-
6007				-	-	-			-	-	-			-	-	-
6207				-	-	-			-	-	-			-	-	-
6008				-	-	-			-	-	-			-	-	-
6208				-	-	-			-	-	-			-	-	-
6010				-	-	-	-	-	-	-	-			-	-	-
6210				-	-	-	-	-	-	-	-			-	-	-

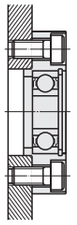
The price of sealed VV and DD are the price shown in the table multiplied by 1.1.

Example

· Using Tapped Holes



· Using Counterbored Holes



Alterations

Part Number	-	(NA)
BGRR6000VV	-	NA

Alteration	Bearings, Retaining Rings Not Assembled
Code	NA
Spec.	Bearings and retaining rings are shipped unassembled to the housing.