Fafnir Housed Units

Ball Bearing Pillow Blocks

FAFNIR HOUSED UNITS

PILLOW BLOCKS/CAST IRON PAGE

Nomenclature

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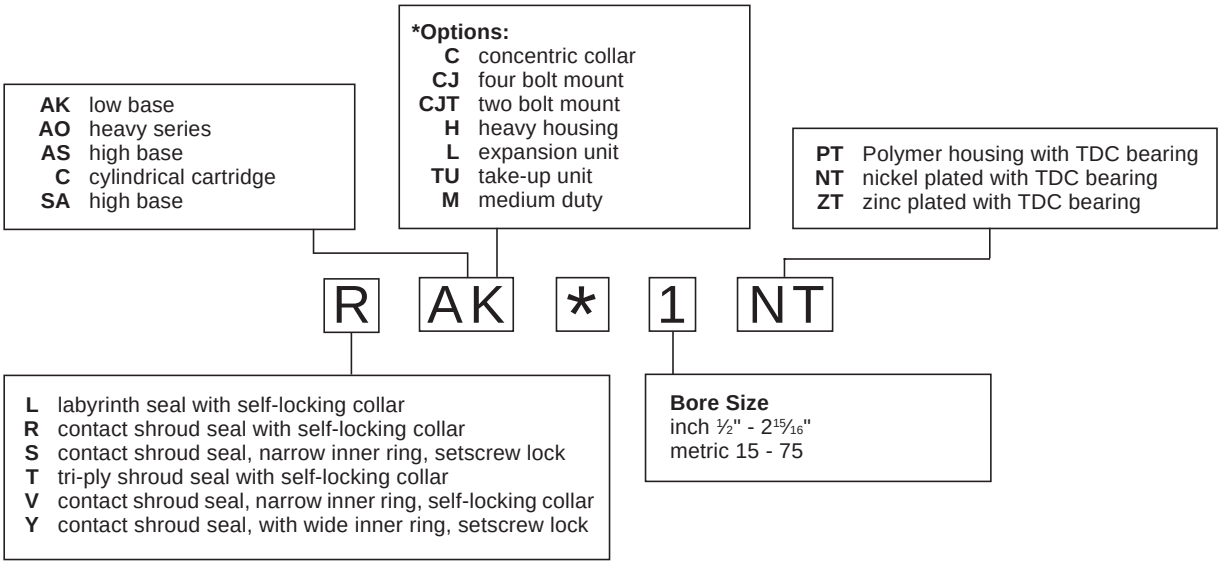
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RUBBER CARTRIDGES

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Wide Inner Ring Ball Bearing Housed Units



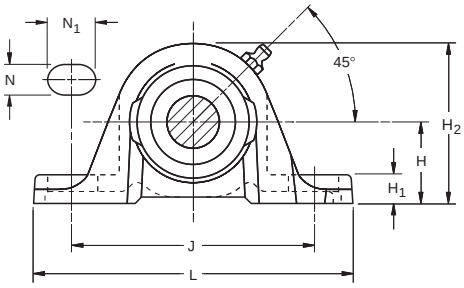
RAK, TAK, LAK Industrial Series

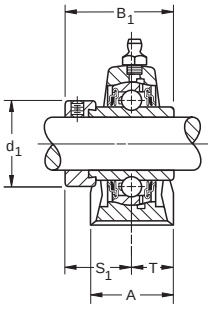
Fafnir RAK, TAK and LAK pillow blocks are recommended for industrial applications where normal loads are encountered. They assure the user the advantages of a compact, one piece housing which can be mounted in any position. The pillow blocks are self-aligning at mounting with the spherical outside diameter of the bearing fitting into a corresponding spherical housing seat. These units are prelubricated and ready for immediate installation. A grease fitting provides for relubrication if required. Self-locking collars are supplied with all units.

The RAK pillow block is equipped with G-KRRB (R-Seal) wide inner ring bearings, the TAK with G-KPPB (Tri-Ply Seal) wide inner ring bearings, and the LAK with the G-KLLB (Mechani-Seal) wide inner ring bearings.

Contact The Torrington Company to discuss highly corrosive applications (i.e. food processing, chemical exposure) where Fafnir TDC® bearings can be utilized.

Recommened shaft tolerances: ½"-1 15/16", nominal to -.0005", -.013mm;
2"-2 15/16", nominal to -.0010", -.025mm.





Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
RAK	G.KRRB	Page 154
TAK	G.KPPB	Page 165
LAK	G.KLLB	Page 162

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RAK 1 7/16", POPULAR SIZES ARE IN BOLD

Unit	Shaft Diam.	H	H_2	B_1	J	L	A	H_1	N	N_1	d_1	S_1	T	Bolt Size	Bearing Number[1]		Collar Number	Housing Number	Unit Wt.
	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in.	RAK	(TAK/LAK)		new / (old)	lbs / kg
RAK, LAK	½	1 1/16	2 3/32	1 15/32	3 5/8	4 1/8	1 3/16	11/32	7/16	7/8	1 1/8	59/64	19/32	3/8	**G1008KRRB**	**(/KLLB)**	S1008K	T-40238	1
RAK, LAK	5/8	26.99	53.2	37.3	92.1	123.8	30.2	8.7	11.1	22.2	28.6	23.4	15.1	10	**G1010KRRB**	**(/KLLB)**	S1010K	(T-30595)	0.454
RAK	11/16														**G1011KRRB**		S1011K		
RAK	17														**GE17KRRB**		SE17K		
RAK,LAK	¾	1 1/4	2 15/32	1 23/32	3 25/32	5	1 1/4	15/32	7/16	25/32	1 5/16	1 3/64	5/8	3/8	**G1012KRRB**	**(/KLLB)**	S1012K	T-40239	1.4
RAK	20	31.75	62.7	43.7	96	127	31.8	11.9	11.1	19.8	33.3	26.6	15.9	10	**GE20KRRB**		SE20K	(T-30555)	0.635
RAK, TAK	7/8														**G1014KRRB**	**(KPPB)**	S1014K		
RAK, TAK, LAK	15/16	1 5/16	2 11/16	1 3/4	4 1/8	5 1/2	1 13/32	15/32	7/16	13/16	1 1/2	1 1/16	45/64	3/8	**G1015KRRB**	**(KPPB/KLLB)**	S1015K	T-30365	1.77
RAK,TAK,LAK	1	33.34	68.3	44.4	104.8	139.7	35.7	11.9	11.1	20.6	38.1	27	17.9	10	**G1100KRRB**	**(KPPB/KLLB)**	S1100K		0.803
RAK, TAK	25														**GE25KRRB**	**(KPPB)**	SE25K		
RAK, TAK	1 1/16														**G1101KRRB**	**(KPPB)**	S1101K		
RAK, TAK, LAK	1 1/8	1 9/16	3 5/32	1 29/32	4 5/8	6 3/16	1 9/16	17/32	9/16	15/16	1 47/64	1 3/16	25/32	½	**G1102KRRB**	**(KPPB/KLLB)**	S1102K	T-40241	2.86
RAK, TAK, LAK	1 3/16	39.69	80.2	48.4	117.5	157.2	39.7	13.5	14.3	23.8	44.1	30.2	19.9	12	**G1103KRRB**	**(KPPB/KLLB)**	S1103K	(T-30300)	1.297
RAK, TAK	30														**GE30KRRB**	**(KPPB)**	SE30K		
RAK, TAK, LAK	1 ¼														**G1104KRRB**	**(KPPB/KLLB)**	S1104K		
RAK, TAK	1 5/16	1 13/16	3 5/8	2 1/64	5 1/8	6 9/16	1 25/32	21/32	9/16	31/32	2 1/8	1 9/32	57/64	½	**G1105KRRB**	**(KPPB)**	S1105K	T-40242	3.69
RAK, TAK	1 3/8	46.04	92.1	51.2	130.2	166.7	45.2	16.7	14.3	24.6	54	32.5	22.7	12	**G1106KRRB**	**(KPPB)**	S1106K	(T-30410)	1.674
RAK,TAK,LAK	1 7/16														**G1107KRRB**	**(KPPB/KLLB)**	S1107K		
RAK, TAK	35														**GE35KRRB**	**(KPPB)**	SE35K		
RAK,TAK,LAK	1 ½	1 15/16	3 15/16	2 7/32	5 3/8	7 1/16	1 7/8	¾	9/16	1 1/32	2 3/8	1 3/8	15/16	½	**G1108KRRB**	**(KPPB/KLLB)**	S1108KT	T-40243	4.74
RAK, TAK	1 9/16	49.21	100	56.4	136.5	179.4	47.6	19	14.3	26.2	60.3	34.9	23.8	12	**G1109KRRB**	**(KPPB)**	S1109KT	(T-30484)	2.15
RAK, TAK	40														**GE40KRRB**	**(KPPB)**	SE40K		
RAK, TAK	1 5/8														**G1110KRRB**	**(KPPB)**	S1110K		
RAK,TAK,LAK	1 11/16	2 1/16	4 1/8	2 7/32	5 7/8	7 17/32	2	11/16	9/16	1 1/8	2 ½	1 3/8	1	½	**G1111KRRB**	**(KPPB/KLLB)**	S1111K	T-40244	5.31
RAK, TAK, LAK	1 ¾	52.39	104.8	56.4	149.2	191.3	50.8	17.5	14.3	28.6	63.5	34.9	25.4	12	**G1112KRRB**	**(KPPB/KLLB)**	S1112K	(T-30682)	2.409
RAK, TAK	45														**GE45KRRB**	**(KPPB)**	SE45K		
RAK, TAK	1 7/8	2 3/16	4 7/16	2 15/32	6 7/32	7 7/8	2 3/16	11/16	11/16	15/16	2 3/4	1 ½	1 3/32	5/8	**G1114KRRB**	**(KPPB)**	S1114K	T-40245	6.62
RAK,TAK,LAK	1 15/16	55.56	112.7	62.7	158	200	55.6	17.5	17.5	23.8	69.8	38.1	27.8	16	**G1115KRRB**	**(KPPB/KLLB)**	S1115K	(T-30706)	3.003
RAK, TAK	50														**GE50KRRB**	**(KPPB)**	SE50K		
RAK, TAK	2														**G1200KRRB**	**(KPPB)**	S1200K	T-40246	8.6
RAK, TAK	2 1/8	2 7/16	4 29/32	2 13/16	6 15/16	8 ¾	2 5/16	¾	23/32	1 5/32	3	1 23/32	1 5/32	5/8	**G1202KRRB**	**(KPPB)**	S1202K	(T-30738)	3.901
RAK,TAK,LAK	2 3/16	61.91	124.6	71.4	176.2	222.3	58.7	19	18.3	29.4	76.2	43.7	29.4	16	**G1203KRRB**	**(KPPB/KLLB)**	S1203K		
RAK, TAK	55														**GE55KRRB**	**(KPPB)**	SE55K		
RAK	2 ¼														**G1204KRRB**		S1204K	T-40247	12.15
RAK	2 3/8	2 11/16	5 13/32	3 1/16	7 13/32	9 7/16	2 3/8	7/8	11/16	1 5/32	3 5/16	1 27/32	1 3/16	5/8	**G1206KRRB**		S1206K	(T-31244)	5.511
RAK,LAK	2 7/16	68.26	137.3	77.8	188.1	239.7	60.3	22.2	17.5	29.4	84.1	46.8	30.2	16	**G1207KRRB**	**(/KLLB)**	S1207K		
RAK	60														**GE60KRRB**		SE60K		
RAK	2 11/16	3	6 1/16	3 3/8	8	10 ½	2 7/8	1 5/16	13/16	1 3/8	3 13/16	1 25/32	1 1/16	¾	**G1211KRRB**		S1211KT	T-22503	17.46
RAK	70	76.2	154	85.7	203.2	266.7	73	33.3	20.6	34.9	96.8	45.2	36.5	20	**GE70KRRB**		SE70K		7.92
RAK	2 15/16	3 5/16	6 7/16	3 5/8	9 ½	12	3 ¼	1 ½	7/8	1 ¼	4	2 5/32	1 5/8	¾	**G1215KRRB**		S1215K	T-20134	19.9
RAK	75	84.14	163.5	92.1	241.3	304.8	82.6	38.1	22.2	31.8	101.6	54.8	41.3	20	**GE75KRRB**		SE75K		9.026

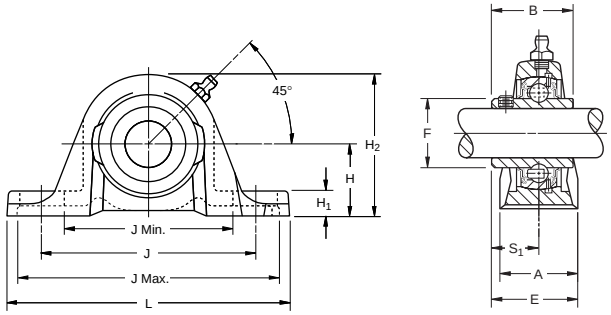
[1] Bearing number for RAK is G-KRRB. TAK uses G-KPPB type LAK uses G-KLLB.

Note: All units have 1/8 pipe thread grease fitting except ½-11/16 and ¾ units which have ¼-28 fitting.

YAK Industrial Series Setscrew Units

Fafnir YAK series low base, setscrew, pillow blocks feature the new GY- KRRB bearing. This full width inner ring setscrew unit is well suited for industrial applications with normal loads.

Recommened shaft tolerances: 1/2"-1 15/16", nominal to -.0005", -.013mm;
2"-2 15/16", nominal to -.0010", -.025mm.



Bearing Data

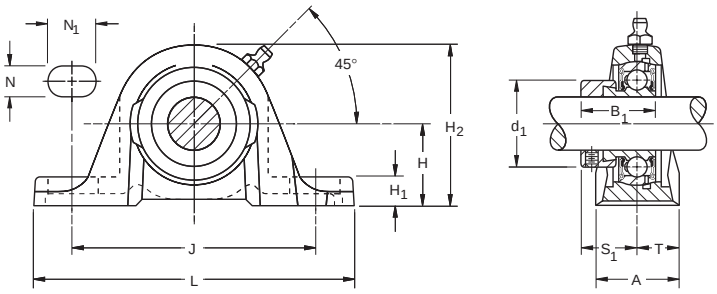
Unit	Bearing Number	Dimensions and Load Ratings
YAK	GY-KRRB	Page 167

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: YAK 1 7/16", POPULAR SIZES ARE IN BOLD

Unit	Shaft Diam.	H	H_2	B	L	J	J MIN	J MAX	A	H_1	F	S_1	E	Bolt Size	Bearing Number
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
YAK	1/2	1 1/16	2 3/32	1 5/64	4 7/8	3 3/8	2 3/4	4 1/2	1 3/16	11/32	0.9	5/8	1 7/32	3/8	**GY1008KRRB**
YAK	5/8	26.99	53.2	27.4	123.8	92.1	69.8	114.4	30.2	8.7	22.86	15.9	30.95	10	**GY1010KRRB**
YAK	17														**GYE17KRRB**
YAK	3/4	1 1/4	2 15/32	1 7/32	5	3 25/32	3	4 9/16	1 1/4	15/32	1.085	23/32	1 11/32	3/8	**GY1012KRRB**
YAK	20	31.75	62.7	30.9	127	96	76.2	155.8	31.8	11.9	27.56	18.3	34.13	10	**GYE20KRRB**
YAK	7/8														**GY1014KRRB**
YAK	15/16	1 5/16	2 11/16	1 11/32	5 1/2	4 1/8	3 5/16	4 15/16	1 13/32	15/32	1.332	25/32	1 31/64	3/8	**GY1015KRRB**
YAK	1	33.34	68.3	34.1	139.7	104.8	84.1	125.4	35.7	11.9	33.83	19.8	37.7	10	**GY1100KRRB**
YAK	25														**GYE25KRRB**
YAK	1 1/8														**GY1102KRRB**
YAK	1 3/16	1 9/16	3 5/32	1 1/2	6 3/16	4 5/8	3 11/16	5 9/16	1 9/16	17/32	1.587	7/8	1 21/32	1/2	**GY1103KRRB**
YAK	1 1/8S	39.69	80.2	38.1	157.2	117.5	93.7	141.3	39.7	13.5	40.31	22.2	42.07	12	**GY1103KRRB3**
YAK	30														**GYE30KRRB**
YAK	1 1/4														**GY1104KRRB**
YAK	1 3/8	1 13/16	3 5/8	1 11/16	6 9/16	5 1/8	4 5/32	6 3/32	1 25/32	21/32	1.816	1	1 57/64	1/2	**GY1106KRRB**
YAK	1 7/16	46.04	92.1	42.9	166.7	130.2	105.6	154.8	45.2	16.7	46.13	25.4	48.02	12	**GY1107KRRB**
YAK	35														**GYE35KRRB**
YAK	1 1/2	1 15/16	3 15/16	1 15/16	7 1/16	5 3/8	4 11/32	6 13/32	1 7/8	3/4	2.058	1 3/16	2 1/8	1/2	**GY1108KRRB**
YAK	40	49.21	100	49.2	179.4	136.5	110.3	162.7	47.6	19	52.27	30.2	53.98	12	**GYE40KRRB**
YAK	1 5/8														**GY1110KRRB**
YAK	1 11/16	2 1/16	4 1/8	1 15/16	7 17/32	5 7/8	4 3/4	7	2	11/16	2.28	1 3/16	2 3/16	1/2	**GY1111KRRB**
YAK	1 3/4	52.39	104.8	49.2	191.3	149.2	120.7	177.8	50.8	17.5	57.92	30.2	55.56	12	**GY1112KRRB**
YAK	45														**GYE45KRRB**
YAK	1 15/16	2 3/16	4 7/16	2 1/32	7 7/8	6 7/32	5 7/32	7 7/32	2 3/16	11/16	2.474	1 9/32	2 3/8	5/8	**GY1115KRRB**
YAK	2S	55.56	112.7	51.6	200	158	132.6	183.4	55.6	17.5	62.84	32.5	60.33	16	**GY1115KRRB2**
YAK	50														**GYE50KRRB**
YAK	2	2 7/16	4 29/32	2 3/16	8 3/4	6 15/16	5 25/32	8 3/32	2 5/16	3/4	2.747	1 5/16	2 7/16	5/8	**GY1200KRRB**
YAK	2 3/16	61.91	124.6	55.6	222.3	176.2	146.9	205.6	58.7	19	69.77	33.3	61.91	16	**GY1203KRRB**
YAK	55														**GYE55KRRB**
YAK	2 1/4	2 11/16	5 13/32	2 9/16	9 7/16	7 13/32	6 1/4	8 9/16	2 3/8	7/8	3.011	1 9/16	2 3/4	5/8	**GY1204KRRB**
YAK	2 7/16	68.26	137.3	65.1	239.7	188.1	158.8	217.5	60.3	22.2	76.48	39.1	69.85	16	**GY1207KRRB**
YAK	60														**GYE60KRRB**
YAK	2 11/16	3	6 1/16	2 3/4	10 1/2	8	6 5/8	9 3/8	2 7/8	1 5/16	3.422	1 11/16	3 1/8	3/4	**GY1211KRRB**
YAK	70	76.2	154	69.9	266.7	203.2	168.3	238.1	73	33.3	86.92	42.9	79.4	20	**GYE70KRRB**
YAK	2 15/16	3 5/16	6 7/16	3 1/16	12	9 1/2	8 1/4	10 3/4	3 1/4	1 1/2	3.619	1 3/4	3 3/8	3/4	**GY1215KRRB**
YAK	75	84.14	163.5	77.8	304.8	241.3	209.5	223.1	82.5	38.1	91.92	44.4	85.73	20	**GYE75KRRB**

VAK Standard Series

This streamlined, rugged one-piece VAK pillow block unit combines Fafnir's proven RAK housing and unique RA-RR extended inner ring bearing. The RA-RR bearing employs a positive contact land-riding seal and a Fafnir originated self-locking collar to assure positive shaft retention. The VAK pillow block can be mounted and will operate in any position. Bearing housed units are factory prelubricated but a grease fitting is provided to allow for relubrication if required.



Recommened shaft tolerances: ½"-1 15/16", nominal to -.0005", -.013mm;
2"-2 3/16", nominal to -.0010", -.025mm.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
VAK	GRA-KRRB	Page 157

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. EXAMPLE: VAK 1", POPULAR SIZES ARE IN BOLD.

Unit	Shaft Diam.	H	H_2	B_1	J	L	A	H_1	N	N_1	d_1	S_1	T	Bolt Size	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.				new	lbs
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			(old)	kg
VAK	½	1 1/16	2 3/32	1 1/8	3 5/8	4 7/8	1 3/16	11/32	7/16	7/8	1 1/8	7/8	19/32	3/8	**GRA008RRB**	S1008K	T-40238	1
VAK	5/8	26.99	53.2	28.6	92.1	123.8	30.2	8.7	11.1	22.2	28.6	22.2	15.1	10	**GRA010RRB**	S1010K	(T-30595)	0.454
VAK	17														**GRAE17RRB**	SE17K		
VAK	¾	1 1/4	2 15/32	1 7/32	3 25/32	5	1 1/4	15/32	7/16	25/32	1 5/16	59/64	5/8	3/8	**GRA012RRB**	S1012K	T-40239	1.24
VAK	20	31.75	62.7	31	96	127	31.8	11.9	11.1	19.8	33.3	23.4	15.9	10	**GRAE20RRB**	SE20K	(T-30555)	0.563
VAK	7/8														**GRA014RRB**	S1014K		
VAK	15/16	1 5/16	2 11/16	1 7/32	4 1/8	5 1/2	1 13/32	15/32	7/16	13/16	1 1/2	59/64	45/64	3/8	**GRA015RRB**	S1015K	T-30365	1.67
VAK	1	33.34	68.3	31	104.8	139.7	35.7	11.9	11.1	20.6	38.1	23.4	17.9	10	**GRA100RRB**	S1100K		0.758
VAK	25														**GRAE25RRB**	SE25K		
VAK	1 1/8														**GRA102RRB**	S1102K		
VAK	1 3/16	1 9/16	3 5/32	1 13/32	4 5/8	6 3/16	1 9/16	17/32	9/16	15/16	1 47/64	1 1/16	25/32	½	**GRA103RRB**	S1103K	T-40241	2.72
VAK	1 ¼ S	39.69	80.2	35.7	117.5	157.2	39.7	13.5	14.3	23.8	44.1	27	19.9	12	**GRA103RRB2**	S1103K3	(T-30300)	1.235
VAK	30														**GRAE30RRB**	SE30K		
VAK	1 ¼														**GRA104RRB**	S1104K		
VAK	1 3/8	1 13/16	3 5/8	1 17/32	5 1/8	6 9/16	1 25/32	21/32	9/16	31/32	2 1/8	1 5/32	57/64	½	**GRA106RRB**	S1106K	T-40242	3.51
VAK	1 7/16	46.04	92.1	38.9	130.2	166.7	45.2	16.7	14.3	24.6	54	29.4	22.7	12	**GRA107RRB**	S1107K	(T-30410)	1.594
VAK	35														**GRAE35RRB**	SE35K		
VAK	1 ½	1 15/16	3 15/16	1 23/32	5 3/8	7 1/16	1 7/8	¾	9/16	1 1/32	2 3/8	1 9/32	15/16	½	**GRA108RRB**	S1108KT	T-40243	4.48
VAK	1 9/16	49.21	100	43.7	136.5	179.4	47.6	19	14.3	26.2	60.3	32.5	23.8	12	**GRA109RRB**	S1109KT	(T-30484)	2.034
VAK	40														**GRAE40RRB**	SE40K		
VAK	1 5/8														**GRA110RRB**	S1110K		
VAK	1 11/16	2 1/16	4 1/8	1 23/32	5 7/8	7 17/32	2	11/16	9/16	1 1/8	2 1/2	1 9/32	1	½	**GRA111RRB**	S1111K	T-40244	4.98
VAK	1 ¾	52.39	104.8	43.7	149.2	191.3	50.8	17.5	14.3	28.6	63.5	32.5	25.4	12	**GRA112RRB**	S1112K	(T-30682)	2.261
VAK	45														**GRAE45RRB**	SE45K		
VAK	1 7/8														**GRA114RRB**	S1114K		
VAK	1 15/16	2 3/16	4 7/16	1 23/32	6 7/32	7 7/8	2 3/16	11/16	11/16	15/16	2 3/4	1 9/32	1 3/32	5/8	**GRA115RRB**	S1115K	T-40245	6.11
VAK	2S	55.56	112.7	43.7	158	200	55.6	17.5	17.5	23.8	69.8	32.5	27.8	16	**GRA115RRB2**	S1115K2	(T-30706)	2.774
VAK	50														**GRAE50RRB**	SE50K		
VAK	2	2 7/16	4 29/32	1 29/32	6 15/16	8 3/4	2 5/16	¾	23/32	1 5/32	3	1 7/16	1 5/32	5/8	**GRA200RRB**	S1200K	T-40246	7.33
VAK	2 3/16	61.91	124.6	48.4	176.2	222.3	58.7	19	18.3	29.4	76.2	36.5	29.4	16	**GRA203RRB**	S1203K	(T-30738)	3.328
VAK	55														**GRAE55RRB**	SE55K		

Note: All units have ⅛ pipe thread grease fitting except ½-11/16 and ¾ units which have ¼-28 fitting.

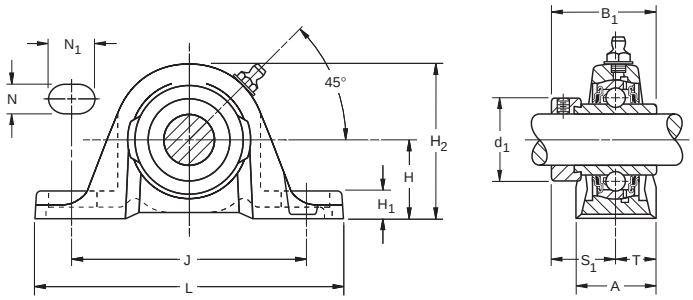
RAS,TAS, LAS Industrial Series

Fafnir RAS, TAS and LAS pillow blocks are similar in design and equal in load carrying capacity to the RAK, TAK and LAK types but have a slightly higher base to center height dimension to make them interchangeable with certain other competitive designs.

The RAS pillow block is equipped with G-KRRB (R-Seal) wide inner ring bearings, the TAS with G-KPPB (Tri-Ply Seal) wide inner ring bearings, and the LAS with the G-KLLB (Mechani-Seal) wide inner ring bearings.

Contact The Torrington Company to discuss highly corrosive applications (i.e. food processing, chemical exposure) where Fafnir TDC® bearings can be utilized.

Recommened shaft tolerances: 1/2"-1 15/16", nominal to -.0005", -.013mm; 2"-2 3/16", nominal to -.0010", -.025mm.



Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
RAS	G-KRRB	Page 154
TAS	G-KPPB	Page 165
LAS	G-KLLB	Page 162

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RAS 1 3/16", POPULAR SIZES ARE IN BOLD

Unit	Shaft Diam.	H	H_2	B_1	J	L	A	H_1	N	N_1	d_1	S_1	T	Bolt Size	Bearing Number[1]		Collar Number	Housing Number	Unit Wt.
	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	RAS	(TAS)		new / (old)	lbs / kg
RAS	1/2														**G1008KRRB**		S1008K		
RAS	5/8	1 3/16	2 7/32	1 15/32	3 5/8	4 7/8	1 3/16	15/32	7/16	7/8	1 1/8	59/64	19/32	3/8	**G1010KRRB**		S1010K	T-40238	1.00
RAS	11/16	30.16	56.4	37.3	92.1	123.8	30.2	11.9	11.1	22.2	28.6	23.4	15.1	10	**G1011KRRB**		S1011K	(T-30595)	0.454
RAS	17														**GE17KRRB**		SE17K		
RAS	3/4	1 5/16	2 17/32	1 23/32	3 25/32	5	1 1/4	17/32	7/16	25/32	1 5/16	1 3/64	5/8	3/8	**G1012KRRB**		S1012K	T-40239	1.40
RAS	20	33.34	64.3	43.7	96	127	31.8	13.5	11.1	19.8	33.3	26.6	15.9	10	**GE20KRRB**		SE20K	(T-30555)	0.635
RAS,TAS	7/8														**G1014KRRB**	**(KPPB)**	S1014K		
RAS,TAS	15/16	1 7/16	2 13/16	1 3/4	4 1/8	5 1/2	1 13/32	19/32	7/16	13/16	1 1/2	1 1/16	45/64	3/8	**G1015KRRB**	**(KPPB)**	S1015K		1.77
RAS,TAS,LAS	1	36.51	71.4	44.4	104.8	139.7	35.7	15.1	11.1	20.6	38.1	27	17.9	10	**G1100KRRB**	**(KPPB)**	S1100K	T-30365	0.803
RAS,TAS	25														**GE25KRRB**	**(KPPB)**	SE25K		
RAS,TAS	1 1/16														**G1101KRRB**	**(KPPB)**	S1101K		
RAS,TAS	1 1/8	1 11/16	3 3/32	1 29/32	4 5/8	6 3/16	1 9/16	21/32	9/16	15/16	1 3/4	1 3/16	25/32	1/2	**G1102KRRB**	**(KPPB)**	S1102K	T-40241	2.86
RAS,TAS,LAS	1 3/16	42.86	83.3	48.4	117.5	157.2	39.7	16.7	14.3	23.8	49.5	30.2	19.9	12	**G1103KRRB**	**(KPPB)**	S1103K	(T-30300)	1.297
RAS,TAS	30														**GE30KRRB**	**(KPPB)**	SE30K		
RAS,TAS	1 1/4														**G1104KRRB**	**(KPPB)**	S1104K		
RAS,TAS	1 5/16	1 7/8	3 11/16	2 1/64	5 1/8	6 9/16	1 25/32	23/32	9/16	31/32	2 1/8	1 9/32	57/64	1/2	**G1105KRRB**	**(KPPB)**	S1105K	T-40242	3.69
RAS,TAS	1 3/8	47.62	93.7	51.2	130.2	166.7	45.2	18.3	14.3	24.6	54	32.5	22.7	12	**G1106KRRB**	**(KPPB)**	S1106K	(T-30410)	1.674
RAS,TAS,LAS	1 7/16														**G1107KRRB**	**(KPPB)**	S1107K		
RAS,TAS	35														**GE35KRRB**	**(KPPB)**	SE35K		
RAS,TAS	1 1/2	1 15/16	3 15/16	2 7/32	5 3/8	7 1/16	1 7/8	3/4	9/16	1 1/32	2 3/8	1 3/8	15/16	1/2	**G1108KRRB**	**(KPPB)**	S1108KT	T-40243	4.74
RAS,TAS	1 9/16	49.21	100	56.4	136.5	179.4	47.6	19	14.3	26.2	60.3	34.9	23.8	12	**G1109KRRB**	**(KPPB)**	S1109KT	(T-30484)	2.150
RAS,TAS	40														**GE40KRRB**	**(KPPB)**	SE40K		
RAS,TAS	1 5/8														**G1110KRRB**	**(KPPB)**	S1110K		
RAS,TAS	1 11/16	2 1/8	4 3/16	2 7/32	5 7/8	7 17/32	2	3/4	9/16	1 1/8	2 1/2	1 3/8	1	1/2	**G1111KRRB**	**(KPPB)**	S1111K	T-40244	5.31
RAS,TAS	1 3/4	53.98	106.4	56.4	149.2	191.3	50.8	19	14.3	28.6	63.5	34.9	25.4	12	**G1112KRRB**	**(KPPB)**	S1112K	(T-30682)	2.409
RAS,TAS	45														**GE45KRRB**	**(KPPB)**	SE45K		
RAS,TAS	1 7/8	2 1/4	4 1/2	2 15/16	6 7/32	7 7/8	2 3/16	3/4	11/16	15/16	2 3/4	1 1/2	1 3/32	5/8	**G1114KRRB**	**(KPPB)**	S1114K	T-40245	6.62
RAS,TAS,LAS	1 15/16	57.15	114.3	62.7	158	200	55.6	19	17.5	23.8	69.8	38.1	27.8	16	**G1115KRRB**	**(KPPB)**	S1115K	(T-30706)	3.003
RAS,TAS	50														**GE50KRRB**	**(KPPB)**	SE50K		
RAS,TAS	2														**G1200KRRB**	**(KPPB)**	S1200K		
RAS,TAS	2 1/8	2 1/2	4 31/32	2 13/16	6 15/16	8 3/4	2 5/16	13/16	23/32	1 5/32	3	1 23/32	1 5/32	5/8	**G1202KRRB**	**(KPPB)**	S1202K	T-40246	8.60
RAS,TAS	2 3/16	63.5	126.2	71.4	176.2	222.3	58.7	20.6	18.3	29.4	76.2	43.7	29.4	16	**G1203KRRB**	**(KPPB)**	S1203K	(T-30738)	3.901
RAS,TAS	55														**GE55KRRB**	**(KPPB)**	SE55K		
RAS	2 1/4	2 3/4	5 15/32	3 1/16	7 13/32	9 7/16	2 3/8	15/16	23/32	1 5/32	3 5/16	1 27/32	1 3/16	5/8	**G1204KRRB**		S1204K	T-40247	12.15
RAS	2 3/8	69.85	138.9	77.8	188.1	239.7	60.3	23.8	18.3	29.4	84.1	46.8	30.2	16	**G1206KRRB**		S1206K	(T-31244)	5.511
RAS,LAS	2 7/16														**G1207KRRB**		S1207K		
RAS	60														**GE60KRRB**		SE60K		
RAS	2 15/16	3 1/4	6 15/32	3 5/8	8 1/2	10 5/8	2 3/4	1	7/8	1 1/4	4	2 5/32	1 3/8	3/4	**G1215KRRB**		S1215K	T-23423	19.90
RAS	75	82.55	164.3	92.1	215.9	269.9	69.9	25.4	22.2	31.8	101.6	54.8	34.9	20	**GE75KRRB**		SE75K		9.026

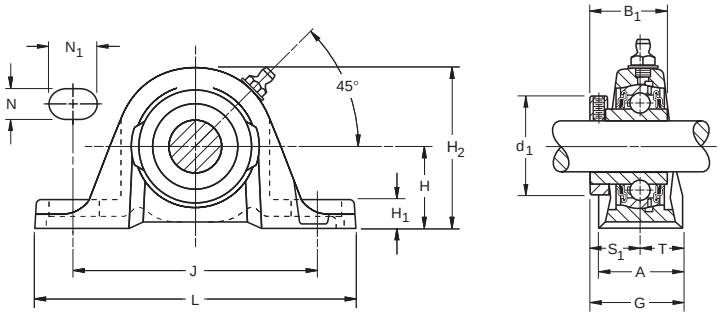
[1] Bearing number for RAS is G-KRRB. TAS uses G-KPPB, type LAS uses G-KLLB.

Note: All units have 1/8 pipe thread grease fitting except 1/2-11/16 and 3/4 units which have 1/4-28 fitting.

RASC Industrial Series Concentric Collar

All RASC pillow blocks are equipped with GC-KRRB (R-Seal) wide inner ring bearings with concentric collars.The pillow blocks are self-aligning at mounting with the spherical outside diameter of the bearing fitting into a corresponding spherical housing seat. These units are prelubricated and ready for immediate installation. A grease fitting provides for relubrication if required. Concentric collars are supplied with all units.

Recommened shaft tolerances: 1/2"-1 15/16", nominal to -.0005", -.013mm;
2"-2 15/16", nominal to -.0010", -.025mm.



Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
RASC	GC-KRRB	Page 166

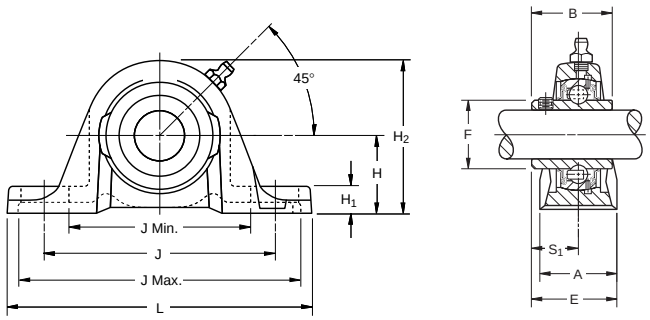
TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RASC 1"

Unit	Shaft Diam.	H	H_2	B_1	J	L	A	H_1	N	N_1	d_1	S_1	T	G	Bolt Size	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm			new / (old)	lbs / kg
RASC	5/8	1 3/16	2 7/32	1 3/64	3 5/8	4 7/8	1 3/16	15/32	7/16	7/8	1 11/32	39/64	39/64	1 7/32	3/8	GC1010KRRB	C203	T-40238	1
		30.16	56.4	26.6	92.1	123.8	30.2	11.9	11.1	22.2	34.1	15.5	15.5	31	10			(T-30595)	0.454
RASC	3/4	1 5/16	2 17/32	1 7/32	3 25/32	5	1 1/4	17/32	7/16	25/32	1 1/2	47/64	43/64	1 13/32	3/8	GC1012KRRB	C204	T-40239	1.40
		33.34	64.3	31	96	127	31.8	13.5	11.1	19.8	38.1	18.7	17.1	35.7	10			(T-30555)	0.635
RASC	1	1 7/16	2 13/16	1 11/32	4 1/8	5 1/2	1 13/32	19/32	7/16	13/16	1 3/4	51/64	45/64	1 1/2	3/8	GC1100KRRB			1.77
		36.51	71.4	34.1	104.8	139.7	35.7	15.1	11.1	20.2	44.4	20.2	17.9	38.1	10		C205	T-30365	0.803
RASC	1 1/8	1 11/16	3 3/32	1 15/32	4 5/8	6 3/16	1 9/16	21/32	9/16	15/16	2 1/16	57/64	7/8	1 49/64	1/2	GC1102KRRB			
RASC	1 3/16	42.86	83.3	37.3	117.5	157.2	39.7	16.7	14.3	23.8	52.4	22.6	22.2	44.8	12	GC1103KRRB	C206	T-40241	2.86
RASC	1 1/4S															GC1103KRRB3		(T-30300)	1.297
RASC	1 1/4	1 7/8	3 11/16	1 5/8	5 1/8	6 9/16	1 25/32	23/32	9/16	31/32	2 11/32	1	7/8	1 15/16	1/2	GC1104KRRB	C207	T-40242	3.69
RASC	1 3/8	47.62	93.7	41.3	130.2	166.7	45.2	18.3	14.3	24.6	59.5	25.4	22.2	49.2	12	GC1106KRRB		(T-30410)	1.674
RASC	1 7/16															GC1107KRRB			
RASC	1 1/2	1 15/16	3 15/16	1 47/64	5 3/8	7 1/16	1 7/8	3/4	9/16	1 1/32	2 11/16	1 5/64	31/32	2 3/64	1/2	GC1108KRRB	C208	T-40243	4.74
		49.21	100	44.1	136.5	179.4	47.6	19	14.3	26.2	68.3	27.4	24.6	52	12			(T-30484)	2.150
RASC	1 11/16	2 1/8	4 3/16	1 27/32	5 7/8	7 13/32	2	3/4	9/16	29/32	2 7/8	1 9/32	1	2 9/32	1/2	GC1111KRRB	C209	T-40244	5.31
RASC	1 3/4	53.98	106.3	46.8	149.2	191.3	50.8	19	14.3	23	73	29.4	25.4	54.8	12	GC1112KRRB		(T-30682)	2.409
RASC	1 15/16	2 1/4	4 1/2	1 29/32	6 7/32	7 7/8	2 3/16	3/4	11/16	15/16	3 1/8	1 3/16	1 3/32	2 9/32	5/8	GC1115KRRB	C210	T-40245	6.62
		57.15	114.3	48.4	158	200	55.6	19	17.5	23.8	79.4	30.2	27.8	57.9	16			(T-30706)	3.003
RASC	2	2 1/2	4 3/32	2 1/8	6 15/16	8 3/4	2 9/16	13/16	23/32	1 9/32	3 1/2	1 9/16	1 9/32	2 15/32	5/8	GC1200KRRB	C211	T-40246	8.60
RASC	2 3/16	63.5	126.2	54	176.2	222.3	58.7	20.6	18.3	29.4	88.9	33.3	29.4	62.7	16	GC1203KRRG		(T-30738)	3.901
RASC	2 7/16	2 3/4	5 15/32	2 3/8	7 13/32	9 7/16	2 3/8	15/16	23/32	1 5/32	3 3/4	1 15/32	1 1/4	2 29/32	5/8	GC1207KRRB	C212	T 40247	12.15
		69.85	138.9	60.3	188.1	239.7	60.3	23.8	18.3	29.4	95.2	37.3	31.8	69.1	16			(T 31244)	5.511
RASC	2 15/16	3 1/4	6 15/32	2 25/32	8 1/2	10 5/8	2 3/4	1	7/8	1 1/4	4 1/2	1 23/32	1 3/8	3 3/32	3/4	GC1215KRRB	C215	T 23423	19.91
		82.55	164.3	70.6	215.9	269.9	69.9	25.4	22.2	31.8	114.3	43.7	34.9	78.6	20				9.06

Note: All units have 1/8 pipe thread grease fitting except RASC 1/2-11/16 and 3/4 units which have 1/4-28 fitting.

YAS Industrial Series Setscrew Units

Fafnir YAS series high base, setscrew, pillow blocks feature the new GY- KRRB bearing. This full width inner ring setscrew unit is well suited for industrial applications involving wet and dirty environments.The housing is designed for two bolt mounting in any position.



Recommened shaft tolerances: ½"-1 15⁄16", nominal to -.0005", -.013mm;
2"-2 15⁄16", nominal to -.0010", -.025mm.

Bearing Data

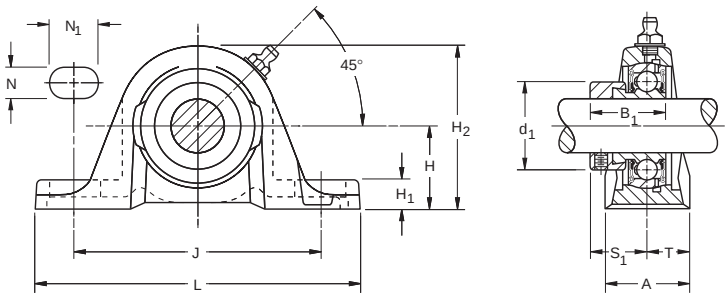
Unit	Bearing Number	Dimensions and Load Ratings
YAS	GY-KRRB	Page 167

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: YAS 1 7⁄16", POPULAR SIZES IN BOLD.

Unit	Shaft Diam.	H	H_2	B	L	J	J Min	J Max	A	H_1	F	S_1	E	Bolt Size	Bearing Number
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
YAS	½	1 3⁄16	2 7⁄32	1 5⁄64	4 7⁄8	3 5⁄8	2 3⁄4	4 1⁄2	1 3⁄16	15⁄32	0.9	5⁄8	1 7⁄32	3⁄8	**GY1008KRRB**
YAS	5⁄8	30.16	56.4	27.4	123.8	92.1	69.8	114.3	30.2	11.9	22.86	15.9	30.95	10	**GY1010KRRB**
YAS	17														**GYE17KRRB**
YAS	¾	1 5⁄16	2 17⁄32	1 7⁄32	5	3 25⁄32	3	4 9⁄16	1 1⁄4	17⁄32	1.085	23⁄32	1 11⁄32	3⁄8	**GY1012KRRB**
YAS	20	33.34	64.3	30.9	127	96	76.2	155.8	31.8	13.5	27.56	18.3	34.13	10	**GYE20KRRB**
YAS	⅞														**GY1014KRRB**
YAS	15⁄16	1 7⁄16	2 13⁄16	1 11⁄32	5 1⁄2	4 1⁄8	3 5⁄16	4 15⁄16	1 13⁄32	19⁄32	1.332	25⁄32	1 31⁄64	3⁄8	**GY1015KRRB**
YAS	1	36.51	71.4	34.1	139.7	104.8	84.1	125.4	35.7	15.1	33.83	19.8	37.7	10	**GY1100KRRB**
YAS	25														**GYE25KRRB**
YAS	1 1⁄8														**GY1102KRRB**
YAS	1 3⁄16	1 11⁄16	3 9⁄32	1 1⁄2	6 3⁄16	4 5⁄8	3 11⁄16	5 9⁄16	1 9⁄16	21⁄32	1.587	7⁄8	1 21⁄32	½	**GY1103KRRB**
YAS	1 1⁄4S	42.86	83.3	38.1	157.2	117.5	93.7	141.3	39.7	16.7	40.31	22.2	42.07	12	**GY1103KRRB3**
YAS	30														**GYE30KRRB**
YAS	1 1⁄4														**GY1104KRRB**
YAS	1 3⁄8	1 7⁄8	3 11⁄16	1 11⁄16	6 9⁄16	5 1⁄8	4 5⁄32	6 3⁄32	1 25⁄32	23⁄32	1.816	1	1 5⁄64	½	**GY1106KRRB**
YAS	1 7⁄16	47.62	93.6	42.9	166.7	130.2	105.6	154.8	45.2	18.3	46.13	25.4	48.02	12	**GY1107KRRB**
YAS	35														**GYE35KRRB**
YAS	1 ½	1 15⁄16	3 15⁄16	1 15⁄16	7 1⁄16	5 3⁄8	4 11⁄32	6 13⁄32	1 1⁄8	¾	2.058	1 3⁄16	2 1⁄8	½	**GY1108KRRB**
YAS	40	49.21	100	49.2	179.4	136.5	110.3	162.7	47.6	19.1	52.27	30.2	53.98	12	**GYE40KRRB**
YAS	1 ½H	2 1⁄8	4 1⁄8	1 15⁄16	7 1⁄16	5 3⁄8	4 11⁄32	6 13⁄32	1 1⁄8	29⁄32	2.058	1 3⁄16	2 1⁄8	½	**GY1108KRRB**
		53.98	104.8	49.2	179.4	136.5	110.3	162.7	47.6	23	52.27	30.2	53.98	12	
YAS	1 5⁄8														**GY1110KRRB**
YAS	1 1 1⁄16	2 1⁄8	4 3⁄16	1 15⁄16	7 17⁄32	5 7⁄8	4 3⁄4	7	2	¾	2.28	1 3⁄16	2 3⁄16	½	**GY1111KRRB**
YAS	1 ¾	53.98	106.3	49.2	191.3	149.2	120.7	177.8	50.8	19.1	57.92	30.2	55.56	12	**GY1112KRRB**
YAS	45														**GYE45KRRB**
YAS	1 15⁄16	2 1⁄4	4 1⁄2	2 1⁄32	7 7⁄8	6 7⁄32	5 7⁄32	7 7⁄32	2 3⁄16	¾	2.474	1 9⁄32	2 3⁄8	5⁄8	**GY1115KRRB**
YAS	2S	57.15	114.3	51.6	200	158	132.6	183.4	55.6	19.1	62.84	32.5	60.33	16	**GY1115KRRB2**
YAS	50														**GYE50KRRB**
YAS	2	2 1⁄2	4 31⁄32	2 3⁄16	8 3⁄4	6 15⁄16	5 25⁄32	8 3⁄32	2 5⁄16	13⁄16	2.747	1 5⁄16	2 7⁄16	5⁄8	**GY1200KRRB**
YAS	2 3⁄16	63.5	126.2	55.6	222.3	176.2	146.9	205.6	58.7	20.6	69.77	33.3	61.91	16	**GY1203KRRB**
YAS	55														**GYE55KRRB**
YAS	2 1⁄4	2 3⁄4	5 15⁄32	2 5⁄16	9 7⁄16	7 13⁄32	6 1⁄4	8 9⁄16	2 3⁄8	15⁄16	3.011	1 5⁄16	2 3⁄4	5⁄8	**GY1204KRRB**
YAS	2 7⁄16	69.85	138.9	65.1	239.7	188.1	158.8	217.5	60.3	23.8	76.48	39.1	69.85	16	**GY1207KRRB**
YAS	60														**GYE60KRRB**
YAS	2 15⁄16	3¼	6 15⁄32	3 1⁄16	10 5⁄8	8 1⁄2	7 1⁄4	9 3⁄4	2 3⁄4	1	3.619	1 3⁄4	3 1⁄8	¾	**GY1215KRRB**
YAS	75	82.55	164.3	77.8	269.9	215.9	184.2	247.7	69.9	25.4	91.92	44.4	79.38	20	**GYE75KRRB**
YAS	2 15⁄16H	3½	7	3 1⁄16	13	9	7	11	3 1⁄2	1 1⁄4	3.619	1 3⁄4	3 1⁄2	¾	**GY1215KRRB**
		88.9	177.8	77.8	330.2	228.6	177.8	279.4	88.9	31.75	91.92	44.4	88.9	20	

VAS Standard Series

Fafnir VAS pillow blocks are similar in design and features, and equal in load carrying capacity to the VAK series but have a slightly different base to center height dimension to make them interchangeable with certain other competitive designs. As with the VAK series they are prelubricated, with a grease fitting provided for relubrication if required.



Recommened shaft tolerances: 1/2"-1 15/16", nominal to -.0005", -.013mm;
2"-2 3/16", nominal to -.0010", -.025mm.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
VAS	GRA-RRB	Page 157

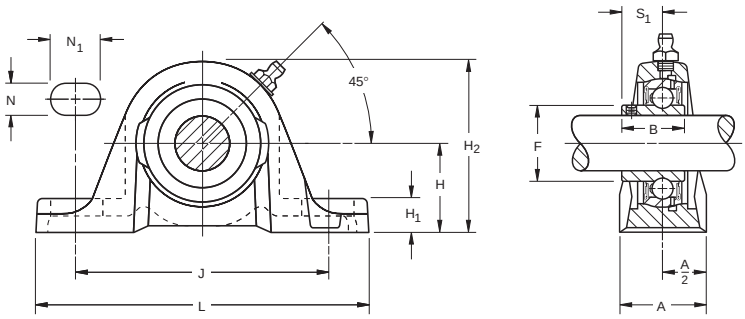
TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: VAS 1 3/16", POPULAR SIZES IN BOLD.

Unit	Shaft Diam.	H	H_2	B_1	J	L	A	H_1	N	N_1	d_1	S_1	T	Bolt Size	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.			new	lbs
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			(old)	kg
VAS	1/2	1 3/16	2 7/32	1 1/8	3 5/8	4 7/8	1 3/16	15/32	7/16	7/8	1 1/8	7/8	19/32	3/8	**GRA008RRB**	S1008K	T-40238	1
VAS	5/8	30.16	56.4	28.6	92.1	123.8	30.2	11.9	11.1	22.2	28.6	22.2	15.1	10	**GRA010RRB**	S1010K	**(**T-30595**)**	0.454
VAS	17														**GRAE17RRB**	SE17K		
VAS	3/4	1 5/16	2 17/32	1 7/32	3 25/32	5	1 1/4	17/32	7/16	25/32	1 5/16	59/64	5/8	3/8	**GRA012RRB**	S1012K	T-40239	1.24
VAS	20	33.34	64.3	31	96	127	31.8	13.5	11.1	19.8	33.3	23.4	15.9	10	**GRAE20RRB**	SE20K	**(**T-30555**)**	0.563
VAS	7/8														**GRA013RRB**	S1013K		
VAS	15/16	1 7/16	2 13/16	1 7/32	4 1/8	5 1/2	1 13/32	19/32	7/16	13/16	1 1/2	59/64	45/64	3/8	**GRA015RRB**	S1015K		1.67
VAS	1	36.51	71.4	31	104.8	139.7	35.7	15.1	11.1	20.6	38.1	23.4	17.9	10	**GRA100RRB**	S1100K	T-30365	0.758
VAS	25														**GRAE25RRB**	SE25K		
VAS	1 1/8														**GRA102RRB**	S1102K		
VAS	1 3/16	1 11/16	3 3/32	1 13/32	4 5/8	6 3/16	1 9/16	21/32	9/16	15/16	1 47/64	1 1/16	25/32	1/2	**GRA103RRB**	S1103K	T-40241	2.72
VAS	1 1/4S	42.86	83.3	35.7	117.5	157.2	39.7	16.7	14.3	23.8	44.1	27	19.9	12	**GRA103RRB2**	S1103K3	**(**T-30300**)**	1.235
VAS	30														**GRAE30RRB**	SE30K		
VAS	1 1/4	1 7/8	3 11/16	1 17/32	5 1/8	6 9/16	1 25/32	23/32	9/16	31/32	2 1/8	1 5/32	57/64	1/2	**GRA104RRB**	S1104K		
VAS	1 3/8	47.62	93.7	38.9	130.2	166.7	45.2	18.3	14.3	24.6	54	29.4	22.7	12	**GRA106RRB**	S1106K	T-40242	3.51
VAS	1 7/16														**GRA107RRB**	S1107K	**(**T-30410**)**	1.594
VAS	35														**GRAE35RRB**	SE35K		
VAS	1 1/2	1 15/16	3 15/16	1 23/32	5 3/8	7 1/16	1 7/8	3/4	9/16	1 1/32	2 3/8	1 9/32	15/16	1/2	**GRA108RRB**	S1108KT	T-40243	4.48
VAS	40	49.21	100.0	43.7	136.5	179.4	47.6	19.0	14.3	26.2	60.3	32.5	23.8	12	**GRAE40RRB**	SE40K	**(**T-30484**)**	2.034
VAS	1 5/8														**GRA110RRB**	S1110K		
VAS	1 11/16	2 1/8	4 3/16	1 23/32	5 7/8	7 17/32	2	3/4	9/16	1 1/8	2 1/2	1 9/32	1	1/2	**GRA111RRB**	S1111K	T-40244	4.98
VAS	1 3/4	53.98	106.4	43.7	149.2	191.3	50.8	19.0	14.3	28.6	63.5	32.5	25.4	12	**GRA112RRB**	S1112K	**(**T-30682**)**	2.261
VAS	45														**GRAE45RRB**	SE45K		
VAS	1 7/8														**GRA114RRB**	S1114K		
VAS	1 15/16	2 1/4	4 1/2	1 23/32	6 7/32	7 7/8	2 3/16	3/4	23/32	1 5/32	2 3/4	1 9/32	1 3/32	5/8	**GRA115RRB**	S1115K	T-40245	6.11
VAS	2S	57.15	114.3	43.7	158	200	55.6	19.0	18.3	29.4	69.8	32.5	27.8	16	**GRA115RRB2**	S1115K2	**(**T-30706**)**	2.774
VAS	50														**GRAE50RRB**	SE50K		
VAS	2	2 1/2	4 31/32	1 29/32	6 15/16	8 3/4	2 5/16	13/16	23/32	1 5/32	3	1 7/16	1 5/32	5/8	**GRA200RRB**	S1200K	T-40246	7.33
VAS	2 3/16	63.5	126.2	48.4	176.2	222.3	58.7	20.6	18.3	29.4	76.2	36.5	29.4	16	**GRA203RRB**	S1203K	**(**T-30738**)**	3.328
VAS	55														**GRAE55RRB**	SE55K		

Note: All units have 1/8 pipe thread grease fitting except 1/2-11/16 and 3/4 units which have 1/4-28 fitting.

SAS Standard Series

This streamlined, rugged one-piece SAS pillow block unit combines Fafnir's proven RAS housing and GYA-RRB setscrew bearing. The GYA-RRB bearing employs a positive contact land-riding seal and specially designed setscrews. The SAS pillow block can be mounted and will operate in any position. Bearing housed units are factory prelubricated but a grease fitting is provided to allow for relubrication if required.



Recommened shaft tolerances: 1/2"-1 15/16", nominal to -.0005", -.013mm;
2"-2 3/16", nominal to -.0010", -.025mm.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
SAS	GYA-RRB	Page 159

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: SAS 1", POPULAR SIZES IN BOLD.

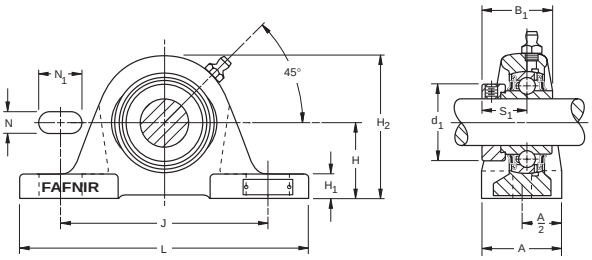
Unit	Shaft Diam.	H	H_2	S_1	J	L	A	H_1	N	N_1	F	B	Bolt Size	Bearing Number	Housing Number	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		new	lbs
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		(old)	kg
SAS	1/2	1 3/16	2 7/32	5/8	3 5/8	4 7/8	1 3/16	15/32	7/16	7/8	31/32	15/16	3/8	**GYA008RRB**	T-40238	0.92
SAS	5/8	30.16	56.4	15.9	92.1	123.8	30.2	11.9	11.1	22.2	24.6	23.8	10	**GYA010RRB**	(T-30595)	0.42
SAS	17													**GYAE17RRB**		
SAS	3/4	1 5/16	2 17/32	23/32	3 25/32	5	1 1/4	17/32	7/16	25/32	1 9/64	1 1/16	3/8	**GYA012RRB**	T-40239	1.25
SAS	20	33.34	64.3	18.3	96	127	31.8	13.5	11.1	19.8	29	27	10	**GYAE20RRB**	(T-30555)	0.57
SAS	7/8													**GYA014RRB**		
SAS	15/16	1 7/16	2 13/16	49/64	4 1/8	5 1/2	1 13/32	19/32	7/16	13/16	1 21/64	1 7/64	3/8	**GYA015RRB**	T-30365	1.67
SAS	1	36.51	71.4	19.4	104.8	139.7	35.7	15.1	11.1	20.6	33.7	28.2	10	**GYA100RRB**		0.75
SAS	25													**GYAE25RRB**		
SAS	1 1/8													**GYA102RRB**		
SAS	1 3/16	1 11/16	3 9/32	29/32	4 5/8	6 3/16	1 9/16	21/32	9/16	15/16	1 37/64	1 9/32	1/2	**GYA103RRB**	T-40241	2.52
SAS	1 1/4S	42.86	83.3	23	117.5	157.2	39.7	16.7	14.3	23.8	40.1	32.5	12	**GYA103RRB2**	(T-30300)	1.14
SAS	30													**GYAE30RRB**		
SAS	1 1/4													**GYA104RRB**		
SAS	1 3/8	1 7/8	3 11/16	1 1/64	5 1/8	6 5/16	1 25/32	23/32	9/16	31/32	1 27/32	1 7/16	1/2	**GYA106RRB**	T-40242	3.35
SAS	1 7/16	47.62	93.6	25.8	130.2	166.7	45.2	18.3	14.3	24.6	46.8	36.5	12	**GYA107RRB**	(T-30410)	1.52
SAS	35													**GYAE35RRB**		
SAS	1 1/2	1 15/16	3 15/16	1 3/32	5 3/8	7 1/16	1 7/8	3/4	9/16	1 1/32	2 1/16	1 35/64	1/2	**GYA108RRB**	T-40243	4.08
SAS	40	49.21	100	27.8	136.5	179.4	47.6	19	14.3	26.2	52.4	39.3	12	**GYAE40RRB**	(T-30484)	1.85
SAS	1 1/2H	2 1/8	3 15/16	1 3/32	5 3/8	7 1/16	1 7/8	3/4	9/16	1 1/32	2 1/16	1 35/64	1/2	**GYA108RRB**	T-39528	4.08
		53.90	100	27.8	136.5	179.4	47.6	19	14.3	26.2	52.4	39.3	12			1.85
SAS	1 5/8													**GYA110RRB**		
SAS	1 11/16	2 1/8	4 3/16	1 1/8	5 7/8	7 17/32	2	3/4	9/16	1 1/8	2 3/32	1 21/32	1/2	**GYA111RRB**	T-40244	4.55
SAS	1 3/4	53.9	106.3	28.6	149.2	191.3	51.0	19	14.3	28.6	57.9	42.1	12	**GYA112RRB**	(T-30682)	2.06
SAS	45													**GYAE45RRB**		
SAS	1 15/16	2 1/4	4 1/2	1 7/32	6 7/32	7 7/8	2 3/16	3/4	11/16	15/16	2 15/32	1 3/4	5/8	**GYA115RRB**	T-40245	5.6
SAS	2 S	57.2	114.3	30.9	158	200	55.6	19	17.5	23.8	62.7	44.4	16	**GYA115RRB2**	(T-30706)	2.54
SAS	50													**GYAE50RRB**		
SAS	2	2 1/2	4 31/32	1 1/4	6 15/16	8 3/4	2 5/16	13/16	23/32	1 5/32	2 3/4	1 53/64	5/8	**GYA200RRB**	T-40246	6.66
SAS	2 3/16	63.5	126.2	31.7	176.2	222.3	58.7	20.6	18.3	29.4	69.8	46.4	16	**GYA203RRB**	(T-30738)	3.02
SAS	55													**GYAE55RRB**		

Note: All units have 1/8 pipe thread grease fitting except 1/2-1 1/16 and 3/4 units which have 1/4-28 fitting.

RAKH Industrial Series

Fafnir RAKH pillow blocks are similar in design to other series pillow blocks but have slightly different dimensions to allow interchangeability with certain competitive designs. They may be used independently or in conjunction with RAKHL expansion units shown below. Used in this capacity, the RAKH pillow blocks provide fixed shaft location while the RAKHL and expansion units allows for axial movement.

The maximum operating temperature for the RAKH units is 250° F (121°C). Units are supplied with self-locking collars.



Recommended shaft tolerances: 13/16"-1 15/16", nominal to -.0005", -.013mm;
2"-2 15/16", nominal to -.0010", -.025mm.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
RAKH	G-KRRB	Page 154

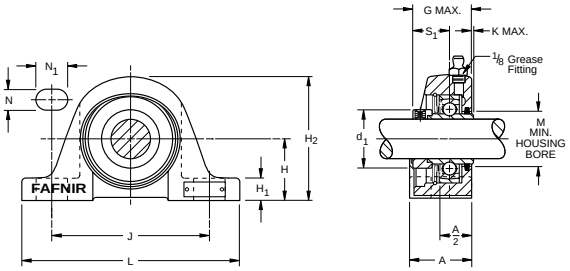
TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RAKH 1 7/16"(1)

Unit(2)	Shaft Diam.	H	H_2	B_1	J	L	A	H_1	N	N_1	d_1	S_1	Bolt Size	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm			new / (old)	lbs / kg
RAKH	1	1 3/4 44.45	3 1/4 82.6	1 3/4 44.4	4 1/16 119.1	6 1/4 158.8	2 50.8	5/8 15.9	9/16 14.3	1 25.4	1 1/2 38.1	1 1/16 27	3/8 9.5	G1100KRRB	S1100K	T-22295	3.72 1.689
RAKH	1 3/16	1 7/8 47.63	3 9/16 90.5	1 29/32 48.4	5 127	6 7/8 174.6	2 1/4 57.2	11/16 17.5	9/16 14.3	1 25.4	1 47/64 44.1	1 3/16 30.2	1/2 12.7	G1103KRRB	S1103K	T-22216	4.81 2.184
RAKH RAKH	1 1/4 1 7/16	2 1/8 53.98	4 101.6	2 1/64 51.2	5 11/16 144.5	8 203.2	2 1/4 57.2	3/4 19	9/16 14.3	1 3/16 30.2	2 1/8 54	1 9/32 32.5	1/2 12.7	G1104KRRB G1107KRRB	S1104K S1107K	T-22212	6.42 2.915
RAKH	1 1/2	2 5/16 58.74	4 3/8 111.1	2 7/32 56.4	6 1/8 155.6	8 3/4 222.2	2 5/8 66.7	13/16 20.6	11/16 17.5	1 1/4 31.8	2 3/8 60.3	1 3/8 34.9	1/2 12.7	G1108KRRB	S1108KT	T-22291	8.82 4.004
RAKH RAKH	1 11/16 1 3/4	2 5/16 58.74	4 1/2 114.3	2 7/32 56.4	6 1/8 155.6	8 3/4 222.2	2 5/8 66.7	13/16 20.6	11/16 17.5	1 5/16 33.3	2 1/2 63.5	1 3/8 34.9	1/2 12.7	G1111KRRB G1112KRRB	S1111K S1112K	T-22293	8.88 4.032
RAKH	1 15/16	2 1/2 63.5	4 13/16 122.2	2 15/32 62.7	6 3/4 171.4	9 1/2 241.3	2 7/8 73	7/8 22.2	11/16 17.5	1 7/16 36.5	2 3/4 69.8	1 1/2 38.1	1/2 12.7	G1115KRRB	S1115K	T-22214	11.23 5.098
RAKH, RAKH	2 3/16 55	2 3/4 69.85	5 3/8 136.5	2 13/16 71.4	7 1/4 184.2	10 1/4 260.4	3 1/8 79.4	1 1/16 27	13/16 20.6	1 7/16 36.5	3 76.2	1 23/32 43.7	5/8 15.9	G1203KRRB GE55KRRB	S1203K SE55K	T-2229714.82	6.728
RAKH	2 7/16	3 76.2	5 15/16 150.8	3 1/16 77.8	8 203.2	11 1/4 285.8	3 1/4 82.6	1 1/16 27	13/16 20.6	1 5/8 41.3	3 5/16 84.1	1 27/32 46.8	5/8 15.9	G1207KRRB	S1207K	T-22299	8.217
RAKH	2 11/16	3 1/2 88.9	6 3/4 171.4	3 3/8 85.7	9 228.6	13 330.2	3 1/2 88.9	1 1/8 28.6	15/16 23.8	2 50.8	3 13/16 96.8	1 25/32 45.2	3/4 19	G1211KRRB	S1211K	T-22303	25.32 11.495
RAKH,	2 15/16	3 1/2 88.9	7 177.8	3 5/8 92.1	9 228.6	13 330.2	3 1/2 88.9	1 1/4 31.8	15/16 23.8	2 50.8	4 101.6	2 5/32 54.8	3/4 19	G1215KRRB	S1215K	T-22305	25.98 11.795

(1) When used with the expansion unit, specify both units, shaft diameters and suffix.

RAKHL Expansion Series

Fafnir RAKHL pillow blocks are designed to allow axial shaft expansion due to elevated temperatures or other conditions causing shaft movement. These units are designed for use with the Fafnir RAKH FS-160 pillow blocks, the RAKH units providing axial shaft location and the RAKHL allowing shaft floatation. Due to limitations of the lubricant and seal material, the maximum operating temperature for the RAKHL units is 250°F (121°C). Units are supplied with self-locking collars. Steel "S" ring assures axial expansion.



Recommended shaft tolerances: 13/16"-1 15/16", nominal to -.0005", -.013mm;
2"-2 15/16", nominal to -.0010", -.025mm.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
RAKHL	KRS	Page 153

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RAKHL 2 7/16"

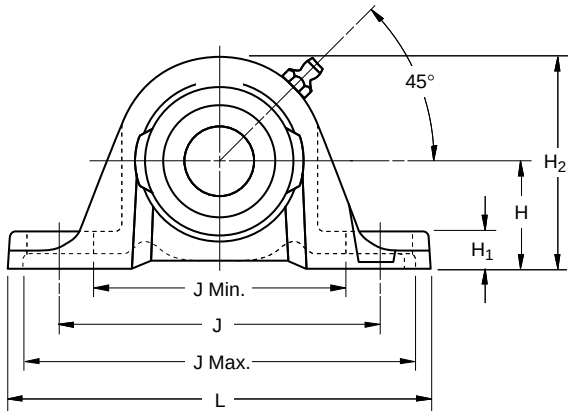
Unit	Shaft Diam.	Total Float	H	H_2	G	J	L	A	H_1	N	N_1	K	d_1	S_1	M	Bolt Size	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm	in. / mm			new / (old)	lbs / kg
RAKHL	1 3/16	1/8 3.2	1 7/8 47.63	3 13/16 96.8	1 15/16 49.2	5 127	6 7/8 174.6	2 50.8	11/16 17.5	9/16 14.3	1 25.4	3/32 2.4	1 3/4 44.5	1 3/16 30.2	1 41/64 41.7	1/2 12.7	1103KRS	S1103K	A11414	4.81 2.182
RAKHL	1 7/16	3/16 4.8	2 1/8 53.98	4 3/16 106.4	2 11/64 55.2	5 11/16 144.5	7 15/16 201.6	2 1/32 51.6	3/4 19	9/16 14.3	1 3/16 30.2	1/8 3.2	2 1/8 54	1 9/32 32.5	1 57/64 48.02	1/2 12.7	1106KRS 1107KRS	S1106K S1107K	A11199	6.42 2.912
RAKHL	1 15/16	1/4 6.4	2 1/2 63.5	5 3/32 129.4	2 9/16 65.1	6 3/4 171.4	9 1/2 241.3	2 1/2 63.5	7/8 22.2	11/16 17.5	1 7/16 36.5	5/32 4	2 3/4 69.8	1 1/2 38.1	2 39/64 63.9	1/2 12.7	1115KRS	S1115K	A11357	11.23 5.094
RAKHL	2 3/16	1/4 6.4	2 3/4 69.85	5 5/8 142.9	2 57/64 73.4	7 1/4 184.2	10 1/4 260.4	3 76.2	1 1/16 27	13/16 20.6	1 7/16 36.5	11/64 4.4	3 76.2	1 23/32 43.7	2 51/64 71	5/8 15.9	1203KRS	S1203K	A11358	14.82 6.722
RAKHL(1)	2 7/16	1/4 6.4	3 76.2	6 1/4 158.8	3 3/32 78.6	8 203.2	11 1/4 285.8	3 1/4 82.6	1 1/16 27	13/16 20.6	1 5/8 41.3	3/16 4.8	3 5/16 84.1	1 27/32 46.8	3 5/64 78.2	5/8 15.9	1207KRS	S1207K	—	18.1 8.210
RAKHL	2 15/16	1/4 6.4	3 1/2 88.9	7 1/4 181	3 15/32 113.5	9 228.6	13 330.2	3 1/2 88.9	1 1/4 31.8	15/16 23.8	2 50.8	11/32 8.7	4 101.6	2 5/32 54.8	3 49/64 118.7	3/4 19	1215KRS	S1215K	T-28261	25.98 11.785

(1) Special Order.

YASM Medium Duty Series Setscrew Lock

The Fafnir YASM medium-duty pillow blocks feature Fafnir's GYM-KRRB bearing inserts. These pillow blocks are ideal for conveyor, fan and blower, sawmill, and feed and grain handling applications.

The durable, cast iron housings are powder paint coated, and maintain an excellent finish while resisting corrosion, chemical and weather exposure. Fafnir's industrial-duty pillow blocks incorporate premium features designed to extend bearing life and will replace competitive designs.



Bearing Data

Unit	Bearing Number	Dimensions
YASM	GYM-KRRB	Page 173

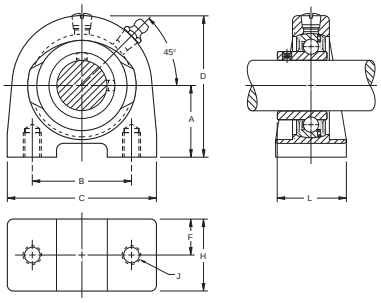
Recommended shaft tolerances: 1" - 1 15/16", nominal to -.0005" (-.013mm)
2" - 3", nominal to -.0010" (-.025mm)

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: YASM 1 7/16"

Unit	Shaft Dia.	H	H_2	B	L	J	J Min.	J Max.	A	H_1	F	S_1	E	Bolt Size	Bearing Number
	in.	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	
YASM	1	1 11/16 42.86	3 3/32 83.3	1 1/2 38.1	6 3/16 157.2	4 5/8 117.5	3 11/16 93.7	5 9/16 141.3	1 9/16 39.7	21/32 16.7	1.587 40.31	7/8 22.2	1 21/32 42.07	1/2 12	GYM1100KRRB
YASM	1 3/16	1 7/8 47.62	3 11/16 93.6	1 11/16 42.9	6 9/16 166.7	5 1/8 130.2	4 5/32 105.6	6 3/32 154.8	1 25/32 45.2	23/32 18.3	1.844 48.84	1 25.4	1 57/64 48.02	1/2 12	GYM1103KRRB
YASM	1 7/16	2 1/8 53.98	4 1/8 104.8	1 15/16 49.2	7 1/16 179.4	5 3/8 136.5	4 11/32 110.3	6 13/16 162.7	1 7/8 47.6	29/32 23	2.058 52.27	1 3/16 30.2	2 1/8 53.98	1/2 12	GYM1107KRRB
YASM	1 1/2	2 1/8 53.98	4 3/16 106.3	1 15/16 49.2	7 17/32 191.3	5 7/8 149.2	4 3/4 120.7	7 177.8	2 50.8	3/4 19.1	2.28 57.92	1 3/16 30.2	2 3/16 55.56	1/2 12	GYM1108KRRB
YASM	1 11/16	2 1/4	4 1/2	2 1/32	7 7/8	6 7/32	5 9/32	7 5/32	2 3/16	3/4	2.474	1 9/32	2 3/8	5/8	GYM1111KRRB
YASM	1 3/4	57.15	114.3	51.6	200	157.9	134.1	183.4	55.6	19.1	62.84	32.5	60.33	16	GYM1112KRRB
YASM	1 15/16	2 1/2	4 31/32	2 3/16	8 3/4	6 15/16	5 25/32	8 3/32	2 5/32	13/16	2.747	1 5/16	2 7/16	5/8	GYM1115KRRB
YASM	2	63.5	126.2	55.6	222.3	176.2	146.9	205.6	54.8	20.6	69.77	33.3	61.91	16	GYM1200KRRB
YASM	2 3/16	2 3/4	5 15/32	2 9/16	9 7/16	7 13/32	6 1/4	8 9/16	2 3/8	15/16	3.011	1 9/16	2 3/4	5/8	GYM1203KRRB
YASM	2 1/4	69.85	138.9	65.1	239.7	188.1	158.8	217.5	60.3	23.8	76.48	39.1	69.85	16	GYM1204KRRB
YASM	2 7/16	3	6 1/16	3 1/16	10 1/2	8	6 5/8	9 3/8	2 7/8	1 5/16	3.422	1 11/16	3 1/8	3/4	GYM1207KRRB
YASM	2 1/2	76.2	153.99	77.78	266.7	203.2	168.28	238.13	73.02	33.34	86.92	42.86	79.375	20	GYM1208KRRB
YASM	2 11/16	3 1/2 88.9	7 177.8	3 11/16 93.66	13 330.2	9 228.6	7 177.8	11 279.4	3 1/2 88.90	1 1/4 31.75	3.618 91.90	1 3/4 44.45	3 11/16 93.66	3/4 20	GYM1211KRRB
YASM	2 15/16	3 1/2	7	3 11/16	13	9	7	11	3 1/2	1 1/4	3.618	1 3/4	3 11/16	3/4	GYM1215KRRB
YASM	3	88.9	177.8	93.66	330.2	228.6	177.8	279.4	88.90	31.75	91.90	44.45	93.66	20	GYM1300KRRB

STB Series

The new Fafnir STB series two bolt housed units are furnished assembled and ready for mounting by means of two bolts from under the housing. These units are ideal for applications where space is limited, access to bolt screws is from bottom of unit, loads are not severe and reversing moments are not encountered. The units are assembled with GYA-RRB bearings with positive contact land-riding seals, and setscrew locking. These units are factory prelubricated, but a grease fitting is provided for relubrication if required.



Bearing Data

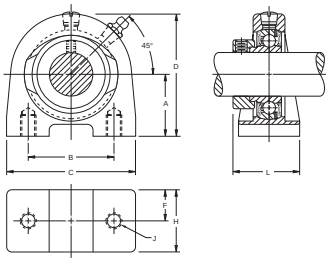
Unit	Bearing Number	Dimensions and Load Ratings
STB	GYA-RRB	Page 159

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: STB 1"

Unit	Shaft Diam.	A	B	C	D	F	H	J	L	Bearing Number	Housing Number
	in.	in.	in.	in.	in.	in.	in.	in.	in.		
	mm	mm	mm	mm	mm	mm	mm	mm	mm		
STB	¾	1 5/16	2	2 7/8	2 13/32	23/32	1 7/16	3/8-16	1 7/16	GYA012RRB	T-90001
STB	20	32.3	50.8	73.03	71.12	18.3	36.5		36.5	GYAE20RRB	
STB	⅞									GYA014RRB	
STB	15/16	1 7/16	2	3	2 13/16	23/32	1 7/16	3/8-16	1 31/64	GYA015RRB	T-39343
STB	1	36.5	50.8	76.2	71.44	18.3	36.5		37.7	GYA100RRB	
STB	25									GYAE25RRB	
STB	1 1/8									GYA102RRB	T-90003
STB	1 3/16	1 11/16	3	4	3 ¼	¾	1 ½	7/16-14	1 23/32	GYA103RRB	
STB	1 ¼S	42.9	76.2	101.6	82.6	19.05	38.1		42.07	GYA103RRB2	
STB	30									GYAE30RRB	
STB	1 ¼									GYA104RRB	
STB	1 3/8	1 ⅞	3 ¼	4 ¼	3 11/16	⅞	1 ¾	½-13	1 57/64	GYA106RRB	T-40256
STB	1 7/16	47.6	82.6	107.95	93.66	22.23	44.45		48.02	GYA107RRB3	
STB	35									GYAE35RRB	
STB	1 ½	1 15/16	3 ½	4 ⅝	3 15/16	15/16	1 ⅞	½-13	2 1/64	GYA108RRB	T-90005
STB	40	49.2	88.9	117.48	100.01	23.81	47.63		51.2	GYAE40RRB	
STB	1 ⅝									GYA110RRB	
STB	1 11/16	2 ⅛	3 ¾	5	4 ¼	1	2	½-13	2 ⅛	GYA111RRB	T-90008
STB	1 ¾	54	95.25	127	107.95	25.4	50.8		53.98	GYA112RRB	
STB	45									GYAE45RRB	
STB	1 15/16	2 ¼	4	5 ½	4 ½	1	2	5/8-11	2 7/32	GYA115RRB	T-90010
STB	2	57.2	101.6	139.7	114.3	25.4	50.8		56.36	GYA200RRB	
STB	50									GYAE50RRB	

VTB Series

The new Fafnir VTB series two bolt housed units are identical to the STB unit except the units are assembled with GRA-RRB bearings with positive contact "R" seals , and locking collar. These units are factory prelubricated, but a grease fitting is provided for relubrication if required.



Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
VTB	GRA-RRB	Page 157

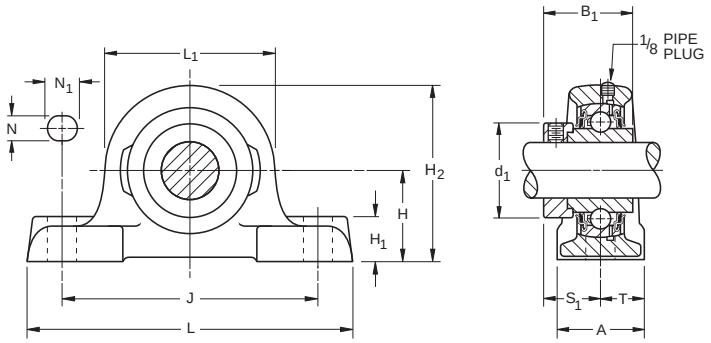
TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: VTB 1"

Unit	Shaft Diam.	A	B	C	D	F	H	J	L	Bearing Number	Collar Number	Housing Number
	in.	in.	in.	in.	in.	in.	in.	in.	in.			
	mm	mm	mm	mm	mm	mm	mm	mm	mm			
VTB	¾	1 5/16	2	2 7/8	2 13/32	23/32	1 7/16	3/8-16	1 41/64	GRA012RRB	S1012K	T-90001
VTB	20	32.3	50.8	73.03	71.12	18.3	36.5		41.67	GRAE20RRB	SE20K	
VTB	⅞									GRA014RRB	S1014K	
VTB	15/16	1 7/16	2	3	2 13/16	23/32	1 7/16	3/8-16	1 41/64	GRA015RRB	S1015K	T-39343
VTB	1	36.5	50.8	76.2	71.44	18.3	36.5		41.67	GRA100RRB	S1100K C2	
VTB	25									GRAE25RRB	SE25K	
VTB	1 1/8									GRA102RRB	S1102K	
VTB	1 3/16	1 11/16	3	4	3 ¼	¾	1 ½	7/16-14	1 51/64	GRA103RRB	S1103K	T-90003
VTB	1 ¼S	42.9	76.2	101.6	82.6	19.05	38.1		45.64	GRA103RRB2	S1103K3	
VTB	30									GRAE30RRB	SE30K	
VTB	1 ¼									GRA104RRB	S1104K C1	
VTB	1 3/8	1 ⅞	3 ¼	4 ¼	3 11/16	⅞	1 ¾	½-13	2 1/32	GRA106RRB	S1106K C1	T-40256
VTB	1 7/16	47.6	82.6	107.95	93.66	22.23	44.45		51.6	GRA107RRB3	S1107K C1	
VTB	35									GRAE35RRB	SE35K	
VTB	1 ½	1 15/16	3 ½	4 ⅝	3 15/16	15/16	1 ⅞	½-13	2 7/32	GRA108RRB	S1108KT	T-90005
VTB	40	49.2	88.9	117.48	100.01	23.81	47.63		56.36	GRAE40RRB	SE40K	
VTB	1 ⅝									GRA110RRB	S1110K	
VTB	1 11/16	2 ⅛	3 ¾	5	4 ¼	1	2	½-13	2 3/32	GRA111RRB	S1111K	T-90008
VTB	1 ¾	54	95.25	127	107.95	25.4	50.8		57.94	GRA112RRB	S1112K	
VTB	45									GRAE45RRB	SE45K	
VTB	1 15/16	2 ¼	4	5 ½	4 ½	1	2	5/8-11	2 3/32	GRA115RRB	S1115K	T-90010
VTB	2 S	57.2	101.6	139.7	114.3	25.4	50.8		57.94	GRA200RRB	S1115K2	
VTB	50									GRAE50RRB	SE50K	

RAO, LAO Heavy Series

Fafnir RAO and LAO heavy type pillow blocks meet the need for a compact, economical, heavy duty ball bearing housed unit. Designed to incorporate the tested and proven features of the Fafnir standard RAK series pillow blocks, the RAO series is equipped with heavy series GN-KRRB wide inner ring ball bearings for greater load capacity, and the LAO series is equipped with heavy series GN-KLLB wide inner ring bearings

All units are supplied with a self-locking collar which eliminates shaft shoulders, machining adapters, sleeves, and locknuts and provides easy mounting.



Recommended shaft tolerances: 1 3/16"-1 15/16", nominal to -.0005", -.013mm;
2"-2 15/16", nominal to -.0010", -.025mm.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
RAO	GN-KRRB	Page 155
LAO	GN-KLLB	Page 164

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RAO 1 7/16"

Unit[1]	Shaft Diam.	H	H_2	B_1	L_1	J	L	A	H_1	N	N_1	d_1	S_1	T	Bolt Size	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in.	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm				lbs kg
RAO	1 3/16	1 7/8 47.63	3 11/16 93.7	1 31/32 50	3 9/16 90.5	5 3/8 136.5	6 13/16 173	1 15/16 49.2	7/8 22.2	5/8 15.9	3/4 19	1 15/16 49.2	1 9/32 32.5	31/32 24.6	1/2 12.7	GN103KRRB	SN103K	T-18798	4.18 1.898
RAO	1 7/16	2 1/8 53.98	4 3/32 104	2 1/32 51.6	4 101.6	6 152.4	7 9/16 192.1	2 1/8 54	15/16 23.8	5/8 15.9	3/4 19	2 3/16 55.6	1 5/16 33.3	1 1/16 27	1/2 12.7	GN107KRRB	SN107K	T-18626	5.30 2.406
RAO	1 1/2	2 3/8 60.33	4 5/8 117.5	2 1/4 57.2	4 1/2 114.3	6 3/4 171.4	8 1/2 215.9	2 3/8 60.3	1 1/16 27	3/4 19	1 25.4	2 1/2 63.5	1 15/32 37.3	1 3/16 30.2	5/8 15.9	GN108KRRB	SN108K	T-18800	8.27 3.755
RAO	1 11/16	2 5/8 66.68	5 1/8 130.2	2 5/16 58.7	5 127	7 1/2 190.5	9 7/16 239.7	2 5/8 66.7	1 3/16 30.2	3/4 19	1 25.4	2 3/4 69.8	1 17/32 38.9	1 5/16 33.3	5/8 15.9	GN111KRRB	SN111K	T-18802	11.08 5.03
RAO	1 15/16	2 13/16 71.44	5 9/16 141.3	2 5/8 66.7	5 7/16 138.1	8 1/4 209.6	10 7/16 265.1	2 7/8 73	1 5/16 33.3	3/4 19	1 25.4	3 76.2	1 21/32 42.1	1 7/16 36.5	5/8 15.9	GN115KRRB	SN115K	T-18804	13.80 6.265
RAO	2 3/16	3 1/16 77.79	6 1/32 153.2	2 7/8 73	5 15/16 150.8	9 228.6	11 5/16 287.3	3 1/8 79.4	1 7/16 36.5	7/8 22.2	1 1/8 28.6	3 1/4 82.6	1 25/32 45.2	1 9/16 39.7	3/4 19	GN203KRRB	SN203K	T-18806	17.49 7.94
RAO	2 7/16	3 5/16 84.14	6 17/32 165.9	3 1/8 79.4	6 7/16 163.5	9 3/4 247.6	12 5/16 312.7	3 5/16 84.1	1 1/2 38.1	7/8 22.2	1 1/8 28.6	3 1/2 88.9	1 29/32 48.4	1 21/32 42.1	3/4 19	GN207KRRB	SN207K	T-18808	21.50 9.761
RAO	2 11/16	3 13/16 96.84	7 9/16 192.1	3 1/2 88.9	7 7/16 188.9	11 1/4 285.8	14 3/16 360.4	3 13/16 96	1 3/4 44.4	1 25.4	1 5/16 33.3	4 101.6	2 5/32 54.8	1 29/32 48.4	7/8 22.2	GN211KRRB	SO211K	T-18810	33.75 15.322
RAO	2 15/16	4 1/8 104.78	8 1/16 204.8	3 15/16 100	7 15/16 201.6	12 304.8	15 1/8 384.2	4 1/16 103.2	1 7/8 47.6	1 25.4	1 5/16 33.3	4 7/16 112.7	2 15/32 62.7	2 1/32 51.6	7/8 22.2	GN215KRRB	SN215K	T-18601	40.10 18.205

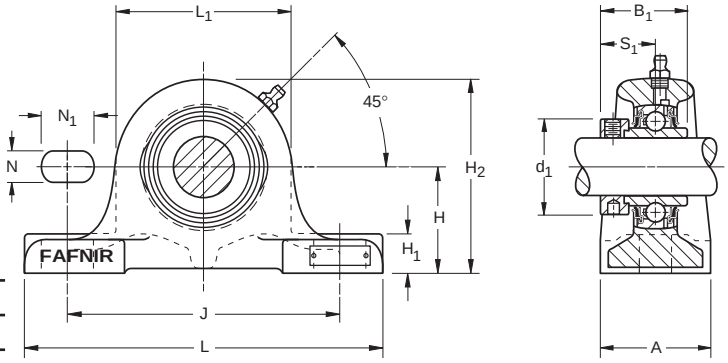
[1] LAO assembled with GN-KLLB bearing.

RSA, LSA Industrial Series

Fafnir RSA and LSA type pillow blocks are equipped with G-KRRB wide inner ring ball bearings, and the LSA series is equipped with G-KLLB wide inner ring bearings.

These pillow blocks are prelubricated and ready for immediate use. A grease fitting is provided for relubrication if required. All units are supplied with a self locking collar.

Recommended shaft tolerances: ½"-1 15/16", nominal to -.0005", -.013mm;
2"-2 15/16", nominal to -.0010", -.025mm.



Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
RSA	G-KRRB	Page 154
LSA	G-KLLB	Page 164

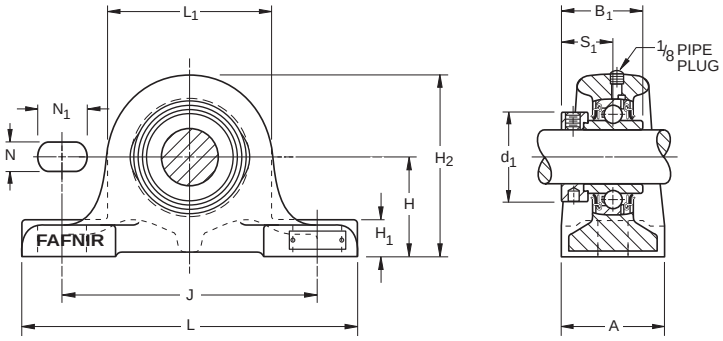
TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RSA 1 7/16", POPULAR SIZES IN BOLD

Unit	Shaft Diam.	H	H_2	B_1	L_1	J	L	A	H_1	N	N_1	d_1	S_1	Bolt Size	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.				lbs
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				kg
RSA	½														**G1008KRRB**	S1008K		
RSA	⅝	1 1/4	2 5/16	1 15/32	2 1/8	3 13/16	4 13/16	1 1/4	½	7/16	9/16	1 3/16	59/64	⅜	**G1010KRRB**	S1010K	T-22784	1.50
RSA	11/16	31.75	58.7	37.3	54	96.8	122.2	31.8	12.7	11.1	14.3	30.2	23.4	9.5	**G1011KRRB**	S1011K		0.681
RSA	17														**GE17KRRB**	SE17K		
RSA	¾	1 3/4	3	1 23/32	2 ½	5	6 ½	2	9/16	9/16	¾	1 5/16	1 3/64	½	**G1012KRRB**	S1012K	T-22741	2.70
RSA	20	44.45	76.2	43.7	63.5	127.0	165.1	50.8	14.3	14.3	19	33.3	26.6	12.7	**GE20KRRB**	SE20K		1.226
RSA	⅞														**G1014KRRB**	S1014K		
RSA	15/16	2	3 ⅜	1 ¾	2 ¾	5 ½	7	2 1/8	⅝	9/16	¾	1 ½	1 1/16	½	**G1015KRRB**	S1015K	T-22716	3.35
RSA	1	50.80	85.7	44.4	69.8	139.7	177.8	54	15.9	14.3	19	38.1	27	12.7	**G1100KRRB**	S1100K		1.521
RSA	25														**GE25KRRB**	SE25K		
RSA	1 1/16														**G1101KRRB**	S1101K		
RSA	1 1/8	2	3 19/32	1 29/32	3 3/16	5 ½	7	2 1/8	11/16	⅝	13/16	1 47/64	1 3/16	½	**G1102KRRB**	S1102K	T-22725	3.94
RSA,LSA	1 3/16	50.80	91.3	48.4	81	139.7	177.8	54	17.5	15.9	20.6	44.1	30.2	12.7	**G1103KRRB**	S1103K		1.789
RSA	30														**GE30KRRB**	SE30K		
RSA,LSA	1 1/4														**G1104KRRB**	S1104K		
RSA	1 5/16	2 ⅜	4 ⅜	2 1/64	4	6 ¼	8 ¼	2 ⅝	⅞	¾	1 ¼	2 ⅛	1 9/32	⅝	**G1105KRRB**	S1105K	T-22382	7.18
RSA	1 ⅜	60.33	111.1	51.2	101.6	158.8	209.6	66.7	22.2	19	31.8	54	32.5	15.9	**G1106KRRB**	S1106K		3.260
RSA,LSA	1 7/16														**G1107KRRB**	S1107K		
RSA	35														**GE35KRRB**	SE35K		
RSA	1 ½	2 ⅜	4 ⅜	2 7/32	4	6 ⅝	8 ¼	2 ⅜	¾	¾	⅞	2 ⅜	1 ⅜	⅝	**G1108KRRB**	S1108KT	T-22752	6.45
RSA	1 9/16	60.33	111.1	56.4	101.6	168.3	209.6	60.3	19	19	22.2	60.3	34.9	15.9	**G1109KRRB**	S1109KT		2.928
RSA	40														**GE40KRRB**	SE40K		
RSA	1 ⅝														**G1110KRRB**	S1110K		
RSA,LSA	1 11/16	2 ⅜	4 ½	2 7/32	4 ¼	6 ⅝	8 ¼	2 ⅜	13/16	¾	15/16	2 ½	1 ⅜	⅝	**G1111KRRB**	S1111K	T-22701	6.75
RSA	1 ¾	60.33	114.3	56.4	108	168.3	209.6	60.3	20.6	19	23.8	63.5	34.9	15.9	**G1112KRRB**	S1112K		3.064
RSA	45														**GE45KRRB**	SE45K		
RSA	1 ⅞	2 ¾	5 ⅛	2 15/32	4 ¾	8 ¼	10 ⅜	2 ¾	1 1/32	¾	1 ⅜	2 ¾	1 ½	⅝	**G1114KRRB**	S1114K	T-22384	10.76
RSA,LSA	1 15/16	69.85	130.2	62.7	120.6	209.6	269.9	69.8	26.2	19	34.9	69.8	38.1	15.9	**G1115KRRB**	S1115K		4.885
RSA	50														**GE50KRRB**	SE50K		
RSA	2														**G1200KRRB**	S1200K		
RSA	2 1/8	3 ⅛	5 19/32	2 13/16	4 15/16	9	11 ⅜	3 ⅛	1	¾	1 5/16	3	1 23/32	⅝	**G1202KRRB**	S1202K	T-22696	13.22
RSA,LSA	2 3/16	79.38	142.1	71.4	125.4	228.6	288.9	79.4	25.4	19	33.3	76.2	43.7	15.9	**G1203KRRB**	S1203K		6.022
RSA	55														**GE55KRRB**	SE55K		
RSA	2 ¼														**G1204KRRB**	S1204K		
RSA	2 ⅜	3 ⅛	5 ⅞	3 1/16	5 ½	9	11 ⅜	3 ⅛	1 ⅛	⅞	1 ⅛	3 5/16	1 27/32	¾	**G1206KRRB**	S1206K	T-22743	15.20
RSA,LSA	2 7/16	79.38	149.2	77.8	139.7	228.6	288.9	79.4	28.6	22.2	28.6	84.1	46.8	19	**G1207KRRB**	S1207K		6.901
RSA	60														**GE60KRRB**	SE60K		
RSA	2 11/16	3 ¾	6 13/16	3 ¼	6 ⅛	10 ¼	12 ⅝	3 ½	1 5/16	⅞	1 ⅜	3 13/16	1 25/32	¾	**G1211KRRB**	S1211KT	T-22748	22.02
RSA	70	95.25	173	82.6	155.6	260.4	320.7	88.9	33.3	22.2	34.9	96.8	45.2	19	**GE70KRRB**	SE70K	9.997	
RSA	2 15/16	3 ¾	7	3 ⅝	7 23/32	10 ¼	12 ⅝	3 ½	1 ½	⅞	1 ¼	4	2 5/32	¾	**G1215KRRB**	S1215K	T-22386	23.53
RSA	75	95.25	177.8	92.1	196.1	206.4	320.7	88.9	38.1	22.2	31.8	101.6	54.8	19	**GE75KRRB**	SE75K		10.683

RSAO, LSAO Heavy Series

Fafnir RSAO and LSAO type pillow blocks are equipped with GN-KRRB wide inner ring ball bearings, and the LSA series is equipped with GN-KLLB wide inner ring bearings. They are ideally suited for installations where the load is heavy in proportion to the shaft diameter or where considerable shock loads exist.

These pillow blocks are prelubricated and ready for immediate use. For wet or extremely dirty conditions, a grease fitting is provided for relubrication if required. All units are supplied with a self locking collar.



Recommended shaft tolerances: 1 1/16"-1 15/16", nominal to -.0005", -.013mm;
2"-3 15/16", nominal to -.0010", -.025mm.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
RSAO	GN-KRRB	Page 155
LSAO	GN-KLLB	Page 164

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RSAO 1 7/16"

Unit	Shaft Diam.	H	H_2	B_1	L_1	J	L	A	H_1	N	N_1	d_1	S_1	Bolt Size	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.				lbs
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				kg
RSAO,LSAO	1 3/16	2 3/8	4 1/4	1 31/32	3 3/4	6 5/8	8 1/4	2 3/8	7/8	5/8	1	1 15/16	1 9/32	1/2	GN103KRRB	SN103K	T-22678	6.47
		60.33	108	50	95.2	168.3	209.6	60.3	22.2	15.9	25.4	49.2	32.5	12.7				2.937
RSAO,LSAO	1 7/16	2 3/4	4 13/16	2 1/32	4 1/8	8 1/4	10 5/8	2 3/4	15/16	3/4	1 1/8	2 3/16	1 5/16	5/8	GN107KRRB	SN107K	T-22496	9.15
		69.85	122.2	51.6	104.8	209.6	269.9	69.8	23.8	19	28.6	55.6	33.3	15.9				4.154
RSAO,LSAO	1 1/2	3 1/8	5 3/8	2 1/4	4 1/2	9	11 3/8	3 1/8	1 1/16	3/4	1 1/8	2 1/2	1 15/32	5/8	GN108KRRB	SN108K	T-22672	12.90
		79.38	136.6	57.2	114.3	228.6	288.9	79.4	27	19	28.6	63.5	37.3	15.9				5.857
RSAO,LSAO	1 11/16	3 1/8	5 3/8	2 5/16	5	9	11 3/8	3 1/8	1 3/16	3/4	1 1/8	2 3/4	1 17/32	5/8	GN111KRRB	SN111K	T-22498	14.45
RSAO	1 3/4	79.38	142.9	58.7	127	228.6	288.9	79.4	30.2	19	28.6	69.8	38.9	15.9	GN112KRRB	SN112K		6.56
RSAO,LSAO	1 15/16	3 1/8	5 27/32	2 5/8	5 7/16	9	11 3/8	3 1/8	1 5/16	3/4	1 1/8	3	1 21/32	5/8	GN115KRRB	SN115K	T-22502	15.96
		79.38	148.4	66.7	138.1	228.6	288.9	79.4	33.3	19	28.6	76.2	42.1	15.9				7.246
RSAO,LSAO	2 3/16	3 3/4	6 23/32	2 7/8	5 15/16	10 1/4	12 5/8	3 1/2	1 7/16	7/8	1 3/8	3 1/4	1 25/32	3/4	GN203KRRB	SN203K	T-22500	22.45
		95.25	170.7	73	150.8	260.4	320.7	88.9	36.5	22.2	34.9	82.6	45.2	19				10.192
RSAO,LSAO	2 7/16	4 1/8	7 11/32	3 1/8	6 7/16	11 1/4	13 3/4	4	1 1/2	7/8	1 3/8	3 1/2	1 29/32	3/4	GN207KRRB	SN207K	T-22494	35.56
		104.78	186.5	79.4	163.5	285.8	349.2	101.6	38.1	22.2	34.9	88.9	48.4	19				16.144
RSAO,LSAO	2 11/16	4 9/16	8 3/32	3 1/2	7 7/16	12	15 3/8	4 3/8	1 3/4	1	1 3/8	4	2 5/32	7/8	GN211KRRB	SO211K	T-22492	42.50
		115.89	210.3	88.9	188.9	304.8	390.5	111.1	44.4	25.4	34.9	101.6	54.8	22.2				19.295
RSAO,LSAO	2 15/16	4 9/16	8 9/16	3 15/16	8	12 3/8	15 3/8	4 3/8	1 7/8	1	1 3/8	4 7/16	2 15/32	7/8	GN215KRRB	SN215K	T-22490	44.25
		115.89	217.5	100	203.2	314.3	390.5	111.1	47.6	25.4	34.9	112.7	62.7	22.2				20.09
RSAO	3 3/16	4 9/16	8 25/32	4 3/16	8 7/16	12 3/8	15 3/8	4 3/8	1 15/16	1	1 3/4	4 11/16	2 19/32	7/8	GN303KRRB	SN303K	T-22444	50.25
		115.89	223	106.4	214.3	314.3	390.5	111.1	49.2	25.4	44.4	119.1	65.9	22.2				22.814
RSAO	3 7/16	5 1/8	9 7/8	4 5/16	9 1/2	13 3/8	16 1/8	4 3/4	2 1/4	1 1/8	2 1/8	5 1/4	2 29/32	1	GN307KRRB	SN307K	T-22446	68.25
		130.18	250.8	115.9	241.3	339.7	409.6	120.6	57.2	28.6	54	133.4	73.8	25.4				30.986
RSAO	3 15/16	5 11/16	11 1/16	5 1/16	10 3/4	14 3/4	17 5/16	5 1/8	2 5/16	1 1/8	1 3/4	5 3/4	3 3/32	1	GN315KRRB	SN315K	T-22448	89.50
		144.46	281	128.6	273	374.6	439.7	130.2	65.1	28.6	44.4	146	78.6	25.4				40.633

SAL Industrial Series Fixed & Floating Types

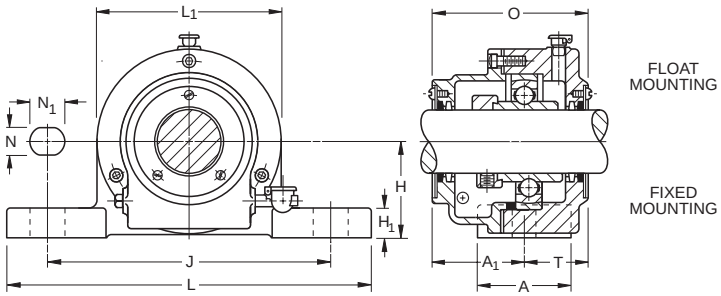
Fafnir SAL type pillow blocks are designed for applications where higher-than-usual temperatures are encountered and for normal temperature applications where for any reason one or more floating bearing units are required. The floating unit allows its bearing to move axially as the shaft expands because of the temperature rise, while the fixed unit maintains shaft location. Bearings also have loose internal fit.

The SAL unit is equipped with a self-aligning SM wide inner ring bearing and a self-locking collar. An external aligning ring is fitted to the spherical surface of the outer ring.

They are equipped with oil-tight seals and are normally fitted for oil lubrication, but can be equipped for grease lubrication when specified.

Note: Lubricate with high grade automotive or turbine oil, or ball bearing grease before installation.

All units are assembled with a spacer ring (Fixed type). By removing the spacer ring, the assembly becomes a floating unit.



Recommended shaft tolerances: 1 3/16"- 1 15/16", nominal to -.0005", -.013mm;
2"- 3 15/16", nominal to -.0010", -.025mm.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
SAL	SM-KS	Page 171

TO ORDER, SPECIFY UNIT, SHAFT DIAMETER, AND WHETHER FIXED OR FLOATING. Example: SAL 1 7/16"(one fixed, one floating).

Unit	Shaft Diam.	Total Float	H	O	L_1	A	J	L	N	N_1	H_1	A_1	T	Bolt Size	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.				lb
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				kg
SAL	1 3/16	1/4	2	3 27/32	3 13/16	2 1/8	5 1/2	7	3/8	3/4	1 1/16	2 7/32	1 5/8	1/2	**SM1103KS**	S1103K	T-12127	8.30
		6.4	50.8	97.6	96.8	54	139.7	177.8	15.9	19	17.5	56.4	41.3	12.7				3.768
SAL	1 1/4	1/4	2 3/8	4 1/8	4 1/4	2 3/8	6 1/4	8 1/4	3/4	1	3/4	2 15/32	1 21/32	5/8	**SM1104KS**	S1104K	T-13108	11.54
		6.4	60.33	104.8	108	60.3	158.8	210	19	25.4	19	62.7	42.1	15.9				5.239
SAL	1 7/16	1/4	2 3/8	4 1/8	4 1/4	2 3/8	6 1/4	8 1/4	3/4	1	3/4	2 15/32	1 21/32	5/8	**SM1107KS**	S1107K	T-13108	11.54
		6.4	60.33	104.8	108	60.3	158.8	210	19	25.4	19	62.7	42.1	15.9				5.239
SAL	1 1/2	5/16	2 3/8	4 1/4	4 3/4	2 3/8	6 5/8	8 1/4	3/4	1	3/4	2 1/2	1 3/4	5/8	**SM1108KTS**	S1108KT	T-12121	13.53
		7.9	60.33	108	120.6	60.3	168.3	210	19	25.4	19	63.5	44.4	15.9				6.143
SAL	1 11/16	5/16	2 3/8	4 11/32	4 3/4	2 3/8	6 5/8	8 1/4	3/4	1	3/4	2 19/32	1 3/4	5/8	**SM1111KS**	S1111K	T-12121	12.92
		7.9	60.33	110.3	120.6	60.3	168.3	210	19	25.4	19	65.9	44.4	15.9				5.866
SAL	1 15/16	5/16	2 3/4	4 13/32	5 1/4	2 3/4	8 1/4	10 5/8	3/4	1	7/8	2 23/32	1 7/8	5/8	**SM1115KS**	S1115K	T-12313	17.87
		7.9	69.85	116.7	133.4	69.8	210	269.9	19	25.4	22.2	69.1	47.6	15.9				8.113
SAL	2 3/16	5/16	3 1/8	5 13/32	5 3/4	3 1/8	9	11 3/8	3/4	1	7/8	3 1/8	2 9/32	5/8	**SM1203KS**	S1203K	A-5845	24.18
		7.9	79.38	137.3	146	79.4	228.6	288.9	19	25.4	22.2	79.4	57.9	15.9				10.978
SAL	2 7/16	3/8	3 1/8	5 29/32	6 1/4	3 1/8	9	11 3/8	3/4	1	7/8	3 1/2	2 13/32	5/8	**SM1207KS**	S1207K	A-5083	28.40
		9.5	79.38	150	158.8	79.4	228.6	288.9	19	25.4	22.2	88.9	61.1	15.9				12.894
SAL	2 11/16	9/32	3 3/4	6 5/32	6 3/4	3 1/2	10 1/4	12 5/8	7/8	1 1/8	1 1/16	3 5/8	2 17/32	3/4	**SM1211KTS**	S1211K	T-18940	35.02
		7.1	95.25	156.4	171.4	88.9	259.7	320.7	22.2	28.6	27	92.1	64.3	19				15.889
SAL	2 15/16	25/64	3 3/4	6 27/32	7 1/2	3 1/2	10 1/4	12 5/8	7/8	1 1/8	1 1/16	3 33/32	2 7/8	3/4	**SM1215KS**	S1215K	A-5088	44.50
		9.9	95.25	173.8	190.5	88.9	259.7	320.7	22.2	28.6	27	100.8	73	19				20.203
SAL	3 7/16	3/8	4 5/16	7 11/32	8 3/8	4 3/8	12 3/8	15 3/8	1	1 1/4	1 1/4	4 7/32	3 1/8	3/4	**SM1307KS**	S1307K	A-5206	73.75
		9.5	115.89	186.5	212.7	111.1	314.3	390.6	25.4	31.8	31.8	107.2	79.4	19				33.482

SAOL Heavy Series Fixed & Floating Types

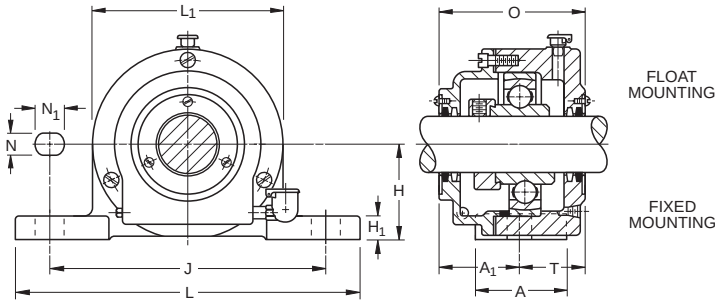
Fafnir SAOL type heavy series pillow blocks are designed for applications where higher-than-usual temperature applications where for any reason one or more floating bearing units required. The floating unit allows its bearing to move axially as the shaft expands because of the temperature rise, while the fixed unit maintains shaft location. Bearings also have loose internal fit.

The SAOL unit is equipped with a heavy series, self-aligning SMN wide inner ring bearing and a self-locking collar. An external aligning ring is fitted to the spherical surface of the outer ring.

They are equipped with oil-tight seals and are normally fitted for oil lubrication, but can be equipped for grease lubrication when specified.

Note: Lubricate with high grade automotive or turbine oil, or ball bearing grease before installation.

All units are assembled with a spacer ring (Fixed type). By removing the spacer ring, the assembly becomes a floating unit.



Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
SAOL	SMN-KS	Page 172

Recommended shaft tolerances: 1 13/16"- 1 15/16", nominal to -.0005", -.013mm;
2"- 3 15/16", nominal to -.0010", -.025mm.
Larger sizes, consult the Engineering Department.

TO ORDER, SPECIFY UNIT, SHAFT DIAMETER, AND WHETHER FIXED OR FLOATING. Example: SAOL 1 1/16" (one fixed, one floating).

Unit	Shaft Diam.	Total Float	H	O	L_1	A	J	L	N	N_1	H_1	A_1	T	J_1 [1]	Bolt No.	Bolt Size	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in.	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm		In. mm				lbs kg
SAOL	1 3/16	5/16 7.9	2 3/8 60.33	4 1/16 103.2	4 3/8 111.1	2 3/8 60.3	6 5/8 168.3	8 1/4 210	5/8 15.9	7/8 22.2	11/16 17.5	2 3/8 60.3	1 11/16 42.9	— —	2	1/2 12.7	SMN103KS	SN103K	T-12389	12.16 5.521
SAOL	1 7/16	23/64 9.1	2 3/4 69.8	4 3/8 111.1	4 3/4 120.6	2 3/4 69.8	8 1/4 209.6	10 5/8 269.9	3/4 19	1 25.4	13/16 20.6	2 23/32 69.1	1 21/32 42.1	— —	2	5/8 12.9	SMN107KS	SN107K	A-4779	15.5 7.037
SAOL	1 1/2	3/8 9.5	3 1/8 79.4	4 7/8 123.8	5 3/4 146	3 1/8 79.4	9 228.6	11 3/8 288.9	3/4 19	1 25.4	13/16 20.6	2 15/16 74.6	1 15/16 49.2	— —	2	5/8 12.9	SMN108KS	SN108K	A-4778A	25 11.35
SAOL	1 11/16	3/8 9.5	3 1/8 79.4	4 7/8 123.8	5 3/4 146	3 1/8 79.4	9 228.6	11 3/8 288.9	3/4 19	1 25.4	13/16 20.6	2 15/16 74.6	1 15/16 49.2	— —	2	5/8 12.9	SMN111KS	SN111K	A-4778	24.56 11.15
SAOL	1 15/16	3/8 9.5	3 1/8 79.4	4 13/16 122.2	6 1/4 158.8	3 1/8 79.4	9 228.6	11 3/8 288.9	3/4 19	1 25.4	13/16 20.6	2 29/32 73.8	1 29/32 48.4	— —	2	5/8 12.9	SMN115KS	SN115K	A-3818	27.45 12.462
SAOL	2 3/16	23/64 9.1	3 3/4 95.25	5 1/2 139.7	6 3/4 171.4	3 1/2 88.9	10 1/4 259.7	12 5/8 320.7	7/8 22.2	1 1/4 31.8	1 1/16 27	3 1/4 82.6	2 1/4 57.2	— —	2	3/4 19	SMN203KS	SN203K	A-4755	33.94 15.409
SAOL	2 7/16	11/32 8.7	4 1/8 104.8	5 29/32 150	7 1/2 190.5	4 101.6	11 1/4 285.8	13 3/4 349.2	7/8 22.2	1 1/4 31.8	1 1/16 27	3 19/32 91.3	2 5/16 58.7	— —	2	3/4 19	SMN207KS	SN207K	A-3819	41.5 18.841
SAOL	2 11/16	3/8 9.5	4 5/16 115.89	6 7/8 174.6	8 1/2 215.9	4 3/8 111.1	12 304.8	15 3/8 390.6	1 25.4	1 1/4 31.8	1 1/4 31.8	4 5/16 109.5	2 9/16 65.1	— —	2	7/8 22.2	SMN211KS	SO211K	A-4709	58 26.332
SAOL	2 15/16	1/2 12.7	4 5/16 115.89	7 177.8	8 7/8 225.4	4 3/8 111.1	12 3/8 314.3	15 3/8 390.6	1 25.4	1 1/4 31.8	1 1/4 31.8	4 1/8 104.8	2 7/8 73	— —	2	7/8 22.2	SMN215KS	SN215K	A-4798	74.5 33.823
SAOL	3 3/16	33/64 13.1	4 5/16 115.89	7 1/4 184.2	9 1/2 241.3	4 3/8 111.1	12 3/8 314.3	15 3/8 390.6	1 25.4	1 1/4 31.8	1 1/4 31.8	4 1/4 108	3 76.2	2 1/4 57.2	4	7/8 22.2	SMN303KS	SN303K	A-4780	77.75 35.298
SAOL	3 7/16	17/32 13.5	5 1/8 130.2	7 1/2 190.5	10 1/4 260.4	4 3/4 120.6	13 3/8 339.7	16 1/8 409.6	1 25.4	1 1/4 31.8	1 1/4 31.8	4 3/8 111.1	3 1/8 79.4	3 76.2	4	7/8 22.2	SMN307KS	SN307K	A-4155	107.5 48.805
SAOL	3 11/16	1/2 12.7	5 11/16 144.5	8 13/32 213.5	11 279.4	4 15/16 125.4	14 3/4 374.6	17 5/16 439.7	1 1/8 28.6	1 1/2 38.1	1 1/4 31.8	5 1/4 133.4	3 5/32 80.2	— —	2	1 25.4	SMO311WS	SO311K	A-4156	120 54.48
SAOL	3 15/16	11/16 17.5	6 152.4	8 21/32 219.9	11 3/4 298.4	5 1/4 133.4	15 1/2 393.1	18 1/2 469.9	1 1/8 28.6	1 1/2 38.1	1 3/8 34.9	5 127	3 21/32 92.9	3 1/4 82.6	4	1 25.4	SMN315KS	SN315K	A-4795	156 70.824
SAOL	4 3/16	5/8 15.9	6 1/2 165.1	8 7/8 225.4	12 1/2 317.5	6 1/4 158.8	17 11/16 449.3	21 1/4 539.8	1 1/8 28.6	1 1/2 38.1	1 1/2 38.1	5 9/32 134.1	3 19/32 91.3	4 101.6	4	1 25.4	SMN403WS	SN403K	T-14342	194 88.076
SAOL	4 7/16	9/16 14.3	7 177.8	9 228.6	12 7/8 327	6 3/4 171.4	17 11/16 449.3	21 1/4 539.8	1 1/4 31.8	1 3/4 44.4	1 3/4 44.4	5 5/16 134.9	3 11/16 93.6	4 1/4 108	4	1 1/8 28.6	SMN407WS	SN407K	T-11469	210 95.34
SAOL	4 15/16	1 15/64 31.4	8 1/4 209.6	10 5/16 261.9	15 381	7 1/4 184.2	20 1/4 514.4	24 13/16 630.2	1 1/4 31.8	1 3/4 44.4	2 50.8	6 152.4	4 5/16 109.5	4 3/4 120.6	4	1 1/8 28.6	SMN415WS	SN415K	T-11783	353 160.262

[1] When four bolts are used, dimension J_1 is distance between centers, and A_1 and T are measured from center of base.

PBS Series

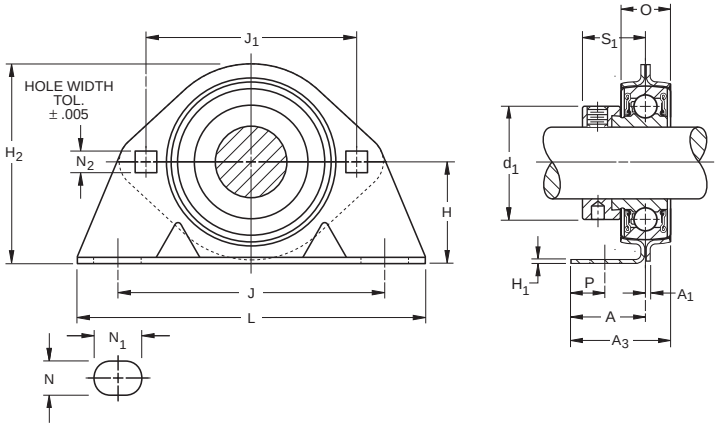
The Fafnir PBS pillow block is an economical, versatile power transmission unit designed for light duty, moderate speed requirements.

The housing consists of two heavy gauge, zinc plated steel stampings, one of which is a standard stamping used in the MST two-bolt Flangette unit. RA-RRB (extended inner ring) bearings are regularly furnished with this housing, although RR (wide inner ring) bearings can also be used. The Fafnir originated self-locking collar completes the assembly.

PBS units are made with a precision bearing seat in which dimensions are held to close tolerances to provide an accurate bearing-to-housing fit and to assure proper alignment of the parts.

The RA-RRB bearing used in the PBS pillow block has positive contact land-riding seals with the improved shroud cap design and is permanently prelubricated.

The base-to-center height and bolt spacing of PBS units make them readily interchangeable with many standard pillow blocks on the market.



Recommended shaft tolerances: nominal to -.0005", -.013mm.
POPULAR SIZES IN BOLD.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
PBS	RA...RRB	Page 156

TO ORDER - When ordering complete unit parts, specify unit and shaft diameter. i.e.; PBS 1". This will automatically include: (1) 52PBS Stamping, (1) 52MST-(ZP) Stamping, (1) RA 100-RRB bearing and collar.

Unit	Shaft Diam.	H	J	N_1	L	H_2	J_1	d_1	S_1	O	A	H_1	A_1	A_3	N_2	P	N	Bearing Number	Flangette Number	Stamping Radial Load Rating[1]	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.				lbs
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				kg
PBS	½	1 5/16	3 5/8	5/8	4 7/8	2 11/32	2 ½	1 1/8	7/8	9/16	1	0.104	0.075	1 9/32	9/32	13/32	13/32	**RA008RRB**	40	600	0.75
PBS	5/8	30.2	92.1	15.9	123.8	59.5	63.5	28.6	22.2	14.3	25.4	2.64	1.9	32.5	7.1	10.3	10.3	**RA010RRB**	MST-(ZP)	2650	0.34
PBS	17																	**RAE17RRB**			
PBS	¾	1 5/16	3 13/16	5/8	5	2 11/16	2 13/16	1 5/16	59/64	5/8	1	0.119	0.083	1 5/16	11/32	13/32	13/32	**RA012RRB**	47	700	0.97
PBS	20	33.3	96.8	15.9	127	68.3	71.4	33.3	23.4	15.9	25.4	3.02	2.11	33.3	8.7	10.3	10.3	**RAE20RRB**	MST-(ZP)	3100	0.44
PBS	7/8																	**RA014RRB**			
PBS	15/16	1 7/16	3 ¾	13/16	5 ¼	2 27/32	3	1 ½	59/64	11/16	1	0.134	0.083	1 11/32	11/32	7/16	7/16	**RA015RRB**	52	800	1.2
PBS	1	36.5	95.2	20.6	133.4	72.2	76.2	38.1	23.4	17.5	25.4	3.4	2.11	34.1	8.7	11.1	11.1	**RA100RRB**	MST-(ZP)	3550	0.544
PBS	25																	**RAE25RRB**			
PBS	1 1/8																	**RA102RRB**			
PBS	1 3/16	1 11/16	4 11/16	7/8	6 ¼	3 11/32	3 9/16	1 ¾	1 3/64	11/16	1 3/16	0.134	0.104	1 15/32	13/32	9/16	9/16	**RA103RRB**	62	800	1.64
PBS	1 ¼S	42.9	119.1	22.2	158.8	84.9	90.5	44.4	26.6	17.5	30.2	3.4	2.64	37.3	10.3	14.3	14.3	**RA103RRB2**	MST-(ZP)	3550	0.744
PBS	30																	**RAE30RRB**			
PBS	1 ¼	1 7/8	5	7/8	6 ½	3 23/32	3 15/16	2 1/8	1 5/32	7/8	1 3/8	0.149	0.104	1 13/16	13/32	9/16	9/16	**RA104RRB**	72	900	2.4
PBS	1 3/8	47.6	127	22.2	165.1	94.5	100	54	29.4	22.2	34.9	3.78	2.64	46	10.3	14.3	14.3	**RA106RRB**	MST-(ZP)	4000	1.089
PBS	1 7/16																	**RA107RRB**			
PBS	35																	**RAE35RRB**			

[1] Stamping thrust rating is ⅕ of stamping radial load rating.

PB Series
RPB Series

The Fafnir PB pillow block is designed for extra light duty applications to provide the advantages of ball bearings at low cost. The unit consists of a two piece separable zinc plated steel housing with spherical bearing seat. This allows the spherically ground bearing initial self-alignment in all directions.

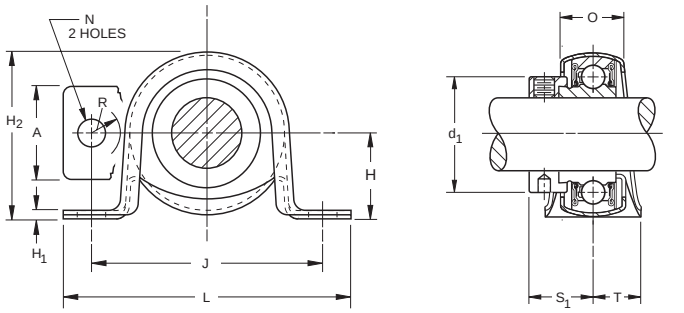
The ball bearing is a RA-RRB extended inner ring type bearing and has positive contact land-riding seals and self-locking collar. It incorporates the improved shroud cap design and is permanently prelubricated.

The RPB type pillow block has the same construction as the PB type, but has a thick, electrically conductive rubber interliner. Bearings in the RPB unit are designated as RA-RRB FS-450 and have a special ball and race finish for exceptionally quiet operation. The bearing together with the rubber interliner comprise a RABR unit. Bearing is permanently prelubricated.

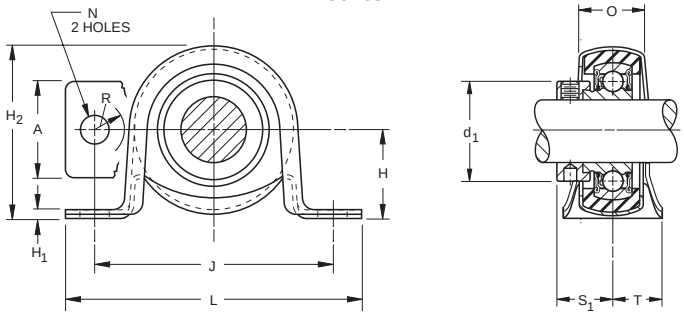
Recommended shaft tolerances: nominal to -.0005", -.013mm.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
PB	RA...RRB	Page 156
RPB	RA...RRB	Page 156



PB Series



RPB Series

TO ORDER – specify unit and shaft diameter. i.e.; PBS 1 3/16". Popular sizes are in bold.

Unit	Shaft Diam.	H	H_2	J	L	A	H_1	N	R	d_1	O	S_1	T	Bearing Number	Collar Number	Stamping Radial Load Rating[1]	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.			lbs	lbs
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			N	kg
PB	1/2	7/8	1 3/4	2 11/16	3 5/8	1	0.1	3/8	11/32	1 1/8	0.718	0.869	1/2	**RA008RRB**	S1008K	300	0.44
PB	5/8	22.2	44.4	68.3	92.1	25.4	2.54	9.5	8.7	28.6	18.24	22.07	12.7	**RA010RRB**	S1010K	1340	0.2
PB	17													**RAE17RRB**	SE17K		
PB	3/4	1	2 1/16	3	4 1/8	1	0.1	3/8	13/32	1 5/16	0.859	0.923	5/8	**RA012RRB**	S1012K	350	0.57
PB	20	25.4	52.4	76.2	104.8	25.4	2.54	9.5	10.3	33.3	21.82	23.44	15.9	**RAE20RRB**	SE20K	1560	0.259
PB	7/8													**RA014RRB**	S1014K		
PB	15/16	1 1/8	2 7/32	3 3/8	4 1/2	1 1/8	0.208	13/32	13/32	1 1/2	1	0.923	9/16	**RA015RRB**	S1015K	400	0.65
PB	1	28.6	56.4	85.7	114	28.6	5.28	10.3	10.3	38.1	25.4	23.44	14.3	**RA100RRB**	S1100K	1760	0.295
PB	25													**RAE25RRB**	SE25K		
PB	1 1/8													**RA102RRB**	S1102K		
PB	1 3/16	1 5/16	2 5/8	3 3/4	4 7/8	1 1/4	0.145	7/16	13/32	1 3/4	1	1.052	3/4	**RA103RRB**	S1103K	600	1.05
PB	1 1/8S	33.3	66.7	95.2	123.8	31.8	3.68	11.1	10.3	44.5	25.4	26.72	19	**RA103RRB2**	S1103K3	2650	0.476
PB	30													**RAE30RRB**	SE30K		

[1] Housing thrust rating is 1/3 of housing radial load rating.

Load ratings are upright mounted capacities with load direction toward base. These units should not be mounted vertically or upside down.

Recommended shaft tolerances: nominal to -.0005", -.013mm.

TO ORDER - specify unit and shaft diameter. i.e.; RPB 1 3/16". Popular sizes are in bold.

Unit	Shaft Diam.	H	H_2	J	L	A	H_1	N	R	d_1	O	S_1	T	Bearing Number	Collar Number	Stamping Radial Load Rating[1]	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.			lbs	lbs
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			N	kg
RPB	1/2	1	2 1/16	3	4 1/8	1	0.1	3/8	13/32	1 1/8	0.85	0.869	5/8	**RA008RRB**	S1008K	200	0.44
RPB	5/8	25.4	52.4	76.2	104.8	25.4	2.54	9.5	10.3	28.6	21.59	22.07	15.9	**RA010RRB**	S1010K	880	0.2
RPB	17													**RAE17RRB**	SE17K		
RPB	3/4	1 1/8	2 7/32	3 3/8	4 1/2	1 1/8	0.208	13/32	13/32	1 5/16	1	0.923	9/16	**RA012RRB**	S1012K	250	0.57
RPB	20	28.58	56.4	85.7	114	28.6	5.28	10.3	10.3	33.3	25.4	23.44	14.3	**RAE20RRB**	SE20K	1120	0.259
RPB	7/8													**RA014RRB**	S1014K		
RPB	15/16	1 5/16	2 5/8	3 3/4	4 7/8	1 1/4	0.145	7/16	13/32	1 1/2	1	0.923	3/4	**RA015RRB**	S1015K	300	0.65
RPB	1	33.34	66.7	95.2	123.8	31.8	3.68	11.1	10.3	38.1	25.4	23.44	19	**RA100RRB**	S1100K	1340	0.295
RPB	25													**RAE25RRB**	SE25K		
LRPB	1 3/16	1 5/16	2 5/8	3 3/4	4 7/8	1 1/4	0.145	7/16	13/32	1 3/4	1	1.114	3/4	**RAL103NPPB**	LS103K	300	1.05
		33.34	66.7	95.2	123.8	31.8	3.68	11.1	10.3	44.4	25.4	28.3	19			1340	0.476

[1] Bearing suffix number FS450.

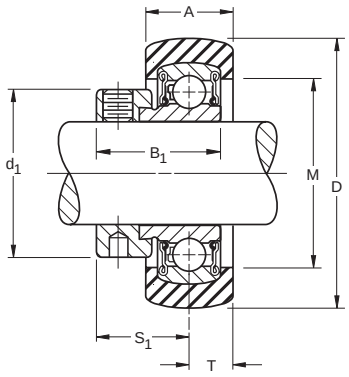
[2] Housing thrust rating is 1/3 of housing radial load rating. Maximum recommended speed is 2400 RPM.

RABR HVAC Special Series

The RABR unit features a conductive rubber interliner to dissapate static charges. Vibration and noise telegraphed by grounding springs are eliminated. Super quiet RA-RRB extended inner ring bearings are prelubricated and have positive contact, land-riding seals with self-locking collars. RABR units can be mounted in tri-arm brackets or pressed steel stampings.

Maximum recommended speed 2400 RPM.

Recommended housing diameter = Nominal (A) -.005", -.015", -.130mm -.380mm.



Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
RABR	RA...RRB	Page 156

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RABR 1". POPULAR SIZES ARE IN BOLD.

Unit	Shaft Diam.	D	B_1	A	M	d_1	S_1	T	Bearing Number(1)	Collar Number	Housing Radial Load Rating(2)
	in.	in.	in.	in.	in.	in.	in.	in.			lbs
	mm	mm	mm	mm	mm	mm	mm	mm			N
RABR	½	1.865	1 ⅛	11/16	1 ⅜	1 ⅛	⅞	1 1/32	**RA008RRB**	S1008K	200
RABR	5/8	47.37	28.6	17.5	34.9	28.6	22.2	8.7	**RA010RRB**	S1010K	880
RABR	17								**RAE17RRB**	SE17K	
RABR	¾	2.062	1 7/32	11/16	1 ⅝	1 5/16	59/64	1 1/32	**RA012RRB**	S1012K	250
RABR	20	53.37	31	17.5	41.3	33.3	23.4	8.7	**RAE20RRB**	SE20K	1120
RABR	15/16	2.456	1 7/32	13/16	1 27/32	1 ½	59/64	1 3/32	**RA015RRB**	S1015K	300
RABR	1	62.38	31	20.6	46.8	38.1	23.4	10.3	**RA100RRB**	S1100K	1340
RABR	25								**RAE25RRB**	SE25K	
RABR	1 3/16	2.456	1 13/32	13/16	1 27/32	1 ¾	1 ⅛	1 3/32	**RAL103PP**	LS103K	300
RABR	30	62.38	35.7	20.6	46.8	44.4	28.6	10.3	**RAE30PP3**	SE30K	1340

(1) For replacement of bearings, specify suffix FS-450.
(2) Thrust load is 1/3 radial load rating.

Maximum recommended speed is 2400 RPM.

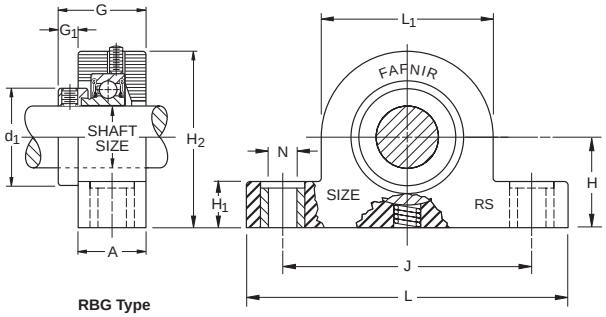
RBG, RBGU HVAC Special Series

Fafnir synthetic rubber pillow blocks are designed for domestic heating, air-conditioning, ventilating equipment and many other applications where low-cost, light-duty, and noiseless operation is essential. All units are available with the RA-RR extended inner ring bearings with positive contact land-riding seals and self-locking collar. An initial supply of long-life grease is provided in the one-piece, non-relubricatable housings made of high-grade, durable molded synthetic rubber.

Rubber pillow blocks with provision for relubrication are designated as the RBG series. At slight additional cost, both can be supplied with a .050" to .062" thick corrosion-resistant steel strap for applications requiring greater rigidity. When the strap is required, add the suffix U to the pillow block designated as RGBU.

Bearing Data

Unit	Bearing Number	Dimensions and Load Ratings
RS	RA...RR	Page 156



RBG Type

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RS 1 3/16". POPULAR SIZES ARE IN BOLD.

Unit	H	H_2	G	L_1	J	L	A	H_1	N	G_1	d_1	Bearing Number‡§	Collar Number‡	Housing Radial Load* Rating	Approx. Wt. RBG	Approx. Wt. RBGU
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.			lbs.	lbs.	lbs.
RBG, RBGU ¾	1 ¼	2 ½	1 15/32	2 ½	3 ½	4 5/8	1 ⅛	⅝	31/64	11/32	1 15/16	**RA012RR**§	S1012K	50	1.5	1.75
RBG, RBGU 15/16	1 5/16	2 11/16	1 19/32	2 ¾	3 ⅞	5	1 ¼	⅝	31/64	11/32	1 ½	**RA015RR**§	S1015K	60		
RBG, RBGU 1	1 5/16	2 11/16	1 19/32	2 ¾	3 ⅞	5	1 ¼	⅝	31/64	11/32	1 ½	**RA100RR**§	S1100K	60	1.8	2
RBG, RBGU 1 3/16	1 5/16	3 5/32	1 ¾	3 3/16	4 ½	6	1 ⅜	¾	39/64	⅜	1 47/64	**RA103RR**§	S1103K	90	2.75	3.1

* Load ratings for RBGU pillow blocks are approximately twice the above figures.
§ Suffix for RA -RR bearing is FS450.

‡RBG units incorporate RB series bearings with RS locking collar. Example: Bearing and collar for RBG ¾" unit, specify RB012 bearing and RS012 collar.
Special one ounce tubes of grease are available for relubrication.
To order, specify: RBG 1 grease tubes.