

**NRB**  

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**INDUSTRIAL**

# WIDE INNER RING BEARINGS & HOUSED UNITS



**MOVING THE WHEELS OF THE INDUSTRY**

# WIDE INNER RING BEARING AND HOUSE UNIT

## Research and Development

The success of NIBL is added by focus on bearing design and development where the latest technology is used to offer need-based customized solution NIBL uses CREO-PARAMATRIC, AUTO DESK PRODUCT DESIGN SUIT & AUTO DESK DESIGN SUIT Software for this purposes.

NIBL has set up an R&D center at its Shendre plant to achieve the goal of becoming a bearing solution provider. Our aim is to develop a long lasting partnership with the customers.

## Quality & Reliability

Quality Control is the hallmark of every operation. At NIBL,we believe, if the end result is to be outstanding the highest degree of quality and precision must exist at every level. Whether it is men, machines, materials or methods.

If we have achieved what we have today, it is because of this policy of precision. The special care at every step. And the realization, that nothing matters more than a satisfied customer.

Our plants is equipped with extensive facilities for quality control. We manufacture our own tooling, special equipment in our sophisticated Tool Room. We employ the best machinery, superior quality raw materials and the latest technology for every aspect of manufacture.

Sales and Service Support.

NIBL has a wide network of preferred distributor and zonal offices throughout the country.

NIBL has a highly skilled team of engineers who are available for solving your bearing problems. NIBL with its wide range of bearings can offer you quick and economic solutions.

## Nomenclature

### Prefixes:

#### Basic Series and Additional Features

<b>C</b>	Concentric collar
<b>E</b>	Metric bore
<b>G</b>	Relubricatable
<b>I</b>	Standard series (200 series bearings)
<b>L</b>	Light series
<b>N</b>	Heavy series (300 series bearing)
<b>RA</b>	Extended inner ring, one side only
<b>SM</b>	Standard series (open type bearing)
<b>SMN</b>	Heavy series (open type bearing)
<b>GY,ER,YA</b>	Setscrew locking device series
<b>M</b>	Medium duty setscrew lock series

\*M Modified insert, rubberseal with steel stiffener and protective cap

### Suffixes: Internal Construction

<b>K</b>	Conrad, non-filling slot type
<b>W</b>	Maximum capacity filling slot type

G1

103

\* Option

K

RRB

### Numbers:

Last three number indicate bore size -  
First inches, last two in sixteenths

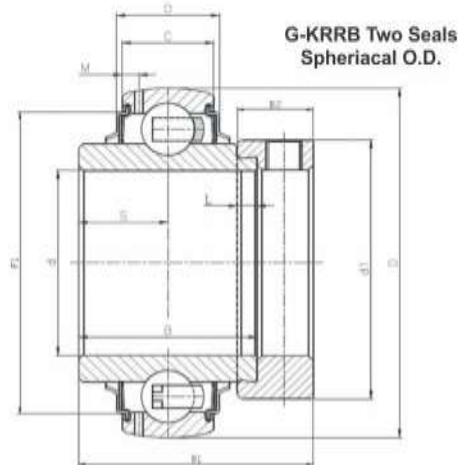
<b>015</b>	$\frac{5}{16}$ "
<b>103</b>	1 $\frac{3}{16}$ "
<b>203</b>	2 $\frac{3}{16}$ "
<b>25</b>	25 mm (metric)
<b>40</b>	40 mm (metric)

### Additional Features

<b>L</b>	One Mechani-seal
<b>LL</b>	Two Mechani-seal
<b>PP</b>	Two seals
<b>R</b>	One land riding rubber seals
<b>RR</b>	Two land riding rubber seals
<b>B</b>	Spherical outside diameter
<b>C</b>	Cylindrical outside diameter
<b>S</b>	External self-aligning
<b>PP2,3,4 etc</b>	- Tri-ply seals if preceded by K
<b>TDC</b>	Thin dense chrome plate
<b>F</b>	Food grade grease

# WIDE INNER RING BEARING

## WIDE INNER RING BEARINGS WITH ECCENTRIC LOCKING COLLAR G-KRRB SERIES, RELUBRICATABLE TYPES



The G-KRRB Series wide inner ring ball bearings are the same as the RR Series but have a provision for relubrication. They are design especially for extremely dirty or wet conditions These bearings feature R-Seals with flared lips which firmly contact the ground O.D. of the inner ring to provide a positive seal against dust, dirt and other contaminants while effectively retaining the lubricant.

G-KRR Series bearings are equipped with shroud seals which provide extra effectiveness and protection.

The extra wide design provides additional shaft support and extra large grease capacity.

Recommended shaft tolerances :  $\frac{1}{2}$  to  $1\frac{15}{16}$ , nominal to  $-0.0005$ " (0.013mm)  
2" to  $2\frac{15}{16}$ , nominal to  $-0.0010$ " (0.025 mm)

To order, specify bearing number followed by "and collar". Example: **G1103KRRB and Collar**.

Bearing Number	Collar Number	Basic Outer Ring Size	Bore <sup>(1)</sup> d	O.D. D	Ring Widths		S	L	d <sub>1</sub>	B <sub>2</sub>	M	B <sub>1</sub>	F <sub>1</sub>	O	Brg. & Collar Wt.
					B Inner	C Outer									
			in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	kg.
G1008KRRB	S1008K	203	$\frac{1}{2}$	1.5748 40	$1\frac{3}{32}$ 0.472 27.78	0.472 12	$\frac{35}{64}$ 13.9	$\frac{5}{32}$ 4.0	$1\frac{1}{8}$ 28.6	$\frac{17}{32}$ 13.5	0.107 2.72	$1\frac{15}{32}$ 37.3	1.339 34.01	0.652 16.56	0.154
G1009KRRB	S1009K		$\frac{9}{16}$												0.141
G1010KRRB	S1010K		$\frac{5}{8}$												0.141
G1011KRRB	S1011K		$\frac{11}{16}$												0.118
GE17KRRB	SE17K		17												0.118
G1012KRRB	S1012K	204	$\frac{3}{4}$	1.8504 47	$1\frac{11}{32}$ 0.551 34.13	0.551 14	$\frac{43}{64}$ 17.1	$\frac{5}{32}$ 4.0	$1\frac{5}{16}$ 33.3	$\frac{17}{32}$ 13.5	0.135 3.43	$\frac{123}{32}$ 43.7	1.532 38.91	0.681 17.3	0.204
GE20KRRB	SE20K		20												47
G1013KRRB	S1013K	205	$\frac{13}{16}$	2.0472 52	$1\frac{3}{8}$ 0.591 34.92	0.591 15	$\frac{11}{6}$ 17.5	$\frac{5}{32}$ 4.0	$1\frac{1}{2}$ 38.1	$\frac{17}{32}$ 13.5	0.152 3.86	$1\frac{3}{4}$ 44.4	1.779 45.19	0.656 16.66	0.286
G1014KRRB	S1014K		$\frac{7}{8}$												0.263
G1015KRRB	S1015K		$\frac{15}{16}$												0.24
G1100KRRB	S1100K		1												0.227
GE25KRRB	SE25K		25												0.277



# WIDE INNER RING BEARING

## WIDE INNER RING BEARINGS WITH ECCENTRIC LOCKING COLLAR G-KRRB SERIES, RELUBRICATABLE TYPES

Bearing Number	Collar Number	Basic Outer Ring Size	Bore <sup>(1)</sup> d	O.D. D	Ring Widths		S	L	d <sub>1</sub>	B <sub>2</sub>	M	B <sub>1</sub>	F <sub>1</sub>	O	Brg. & Collar Wt.	
					B Inner	C Outer										in mm
G1101	S1101K	206	1 <sup>1</sup> / <sub>16</sub>	2.4409 62	1 7/16 36.51	0.709 18	23/32 18.3	5/32 4.0	1 47/64 44.1	5/8 15.9	0.156 3.96	1 29/32 48.4	2.068 52.53	0.849 21.56	0.417	
G1102KRRB	S1102K		1 <sup>1</sup> / <sub>8</sub>												0.404	
G1103KRRB	S1103K		1 <sup>3</sup> / <sub>16</sub>												0.376	
G1103KRRB3	S1103K3		1 <sup>1</sup> / <sub>4</sub>												0.349	
GE30KRRB	SE30K		30												0.376	
G1104KRRB	S1104K	207	1 <sup>1</sup> / <sub>4</sub>	2.8346 72	1 31/64 37.70	0.748 19	0.742 18.85	5/32 4.0	2 1/8 54.0	43/64 17.1	0.145 3.68	2 1/64 51.2	2.384 60.55	0.856 21.74	0.653	
G1105KRRB	S1105K		1 <sup>5</sup> / <sub>16</sub>												0.617	
G1106KRRB	S1106K		1 <sup>3</sup> / <sub>8</sub>												0.585	
G1107KRRB	S1107K		1 <sup>7</sup> / <sub>16</sub>												0.562	
GE35KRRB	SE35K		35												0.585	
G1108KRRB	S1108KT	208	1 <sup>1</sup> / <sub>2</sub>	3.1496 80	1 11/16 42.86	0.827 21	27/32 21.4	3/16 4.8	2 3/8 60.3	23/32 18.3	0.16 4.06	2 7/32 56.4	2.669 67.79	0.923 23.44	0.812	
G1109KRRB	S1109KT		1 <sup>9</sup> / <sub>16</sub>												0.771	
GE40KRRB	SE40K		40												0.771	
G1110KRRB	S1110K	209	1 <sup>5</sup> / <sub>8</sub>	3.3456 85	1 11/16 42.86	0.866 22	27/32 21.4	3/16 4.8	2 1/2 63.5	23/32 18.3	0.179 4.55	2 7/32 56.4	2.908 73.86	1.07 27.18	0.925	
G1111KRRB	S1111K		1 <sup>11</sup> / <sub>16</sub>												0.88	
G1112KRRB	S1112K		1 <sup>3</sup> / <sub>4</sub>												0.835	
GE45KRRB	SE45K		45												0.835	
G1113KRRB	S1113K	210	1 <sup>13</sup> / <sub>16</sub>	3.5433 90	1 15/16 49.21	0.906 23	31/32 24.6	3/16 4.8	2 3/4 69.9	23/32 18.3	0.185 4.7	2 15/32 62.7	3.059 77.7	1.083 27.51	1.116	
G1114KRRB	S1114K		1 <sup>7</sup> / <sub>8</sub>												1.034	
G1115KRRB	S1115K		1 <sup>15</sup> / <sub>16</sub>												1.016	
GE50KRRB	SE50K		50												1.016	
G1200KRRB	S1200K	211	2	3.9370 100	2 3/16 55.56	0.945 24	1 3/32 27.8	3/16 4.8	3 76.2	13/16 20.6	0.197 5.0	2 13/16 71.4	3.432 87.17	1.142 29.01	1.583	
G1201KRRB	S1201K		2 <sup>1</sup> / <sub>16</sub>												1.47	
G1202KRRB	S1202K		2 <sup>1</sup> / <sub>8</sub>												1.406	
G1203KRRB	S1203K		2 <sup>3</sup> / <sub>16</sub>												1.365	
GE55KRRB	SE55K		55												1.365	
G1204KRRB	S1204K	212	2 <sup>1</sup> / <sub>4</sub>	4.3307 110	2 7/16 61.91	1.063 27	1 7/32 31	1/4 6.4	3 5/16 84.1	7/8 22.2	0.202 5.13	3 1/16 77.8	3.736 94.89	1.379 35.03	2.041	
G1205KRRB	S1205K		2 <sup>5</sup> / <sub>16</sub>												1.923	
G1206KRRB	S1206K		2 <sup>3</sup> / <sub>8</sub>												1.846	
G1207KRRB	S1207K		2 <sup>7</sup> / <sub>16</sub>												1.778	
GE60KRRB	SE60K		60												1.846	

# WIDE INNER RING BEARING

## WIDE INNER RING BEARINGS ONE SIDE EXTENDED WITH ECCENTRIC LOCKING COLLAR GRA-RRB SERIES, RELUBRICATABLE TYPES



The GRA-RRB Series Bearings are extended inner ring type with self-locking collar. A positive contact, land riding R-seal provides improved protection against harmful contaminants and effectively retains the lubricant under severe operating conditions. GRA-RRB Series bearings are factory prelubricated.

The GM-RRB Series have spherical outside diameters for use in housings with corresponding spherical inside surfaces to provide unrestricted initial alignment.

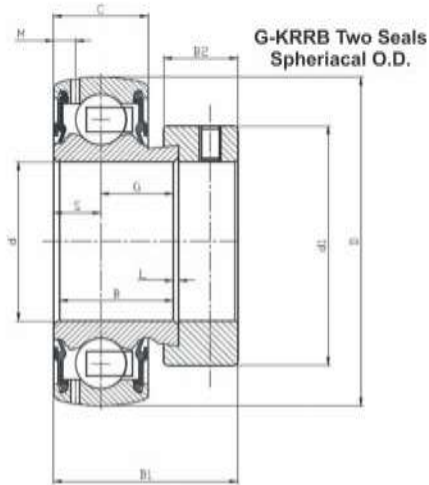
Recommended shaft tolerances :  $\frac{1}{2}$  to  $1\frac{15}{16}$ , nominal to  $-0.0005$ " (0.013mm)  
2" to  $2\frac{15}{16}$ , nominal to  $-0.0010$ " (0.025 mm)

To order, specify bearing number followed by "and collar". Example: **GRA100KRRB and Collar**.

Bearing Number	Collar Number	Basic Outer Ring Size	Bore <sup>(1)</sup> d	O.D. D	Ring Widths		S	G	L	d <sub>2</sub>	B <sub>2</sub>	M	B <sub>1</sub>	Brg. & Collar Wt.										
					B Inner	C Outer																		
			in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	kg.										
GRA008RRB	S1008K	203	$\frac{1}{2}$	1.5748	0.750	0.512	0.256	0.494	5/32	1 1/8	17/32	0.107	1 1/8	0.154										
GRA009RRB	S1009K		$\frac{9}{16}$																					
GRA010RRB	S1010K		$\frac{5}{8}$	40	19.05	13	6.5	12.55	4.0	28.6	13.5	2.72	28.6											
GRAE17RRB	SE17K		17												0.127									
GRA012RRB	S1012K	204	$\frac{3}{4}$	1.8504	0.844	0.591	0.295	0.548	5/32	1 5/16	17/32	0.12	1 7/32	0.132										
GRAE20RRB	SE20K		20												47	21.44	15	7.49	13.92	4.0	33.3	13.5	3.05	31
GRA013RRB	S1013K	205	$\frac{13}{16}$	2.0472	0.844	0.591	0.295	0.548	5/32	1 1/2	17/32	0.142	1 7/32		0.231									
GRA014RRB	S1014K		$\frac{7}{8}$																					
GRA015RRB	S1015K		$\frac{15}{16}$											52		21.44	15	7.49	13.92	4.0	38.1	13.5	3.61	31
GRA100RRB	S1100K		1											0.186										
GRAE25RRB	SE25K		25											0.186										
GRA101RRB	S1101K	206	$1\frac{1}{16}$	2.4409	0.938	0.709	0.354	0.583	5/32	1 47/64	5/8	0.164	1 13/32	0.349										
GRA102RRB	S1102K		$1\frac{1}{8}$																					
GRA103RRB	S1103K		$1\frac{3}{16}$												62	23.82	18	8.99	14.81	4.0	44.1	15.9	4.17	35.7
GRA103RRB2	S1103K		$1\frac{1}{4}$																					
GRAE30RRB	SE30K		30											0.295										
														0.318										

# WIDE INNER RING BEARING

## WIDE INNER RING BEARINGS ONE SIDE EXTENDED WITH ECCENTRIC LOCKING COLLAR GRA-RRB SERIES, RELUBRICATABLE TYPES



Bearing Number	Collar Number	Basic Outer Ring Size	Bore <sup>(1)</sup> d	O.D. D	Ring Widths		S	G	L	d <sub>2</sub>	B <sub>2</sub>	M	B <sub>1</sub>	Brg. & Collar Wt.
					B Inner	C Outer								
			in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	kg.
GRA104RRB	S1104K	207	1 1/4	2.8346 72	1.000 25.4	0.748 19	0.374 9.5	0.626 15.9	5/32 4.0	2 1/8 54.0	43/64 17.1	0.145 3.68	1 17/32 38.9	0.562
GRA105RRB	S1105K		1 5/16											0.540
GRA106RRB	S1106K		1 3/8											0.513
GRA107RRB	S1107K		1 7/16											0.476
GRAE35RRB	SE35K		35											0.513
GRA108RRB	S1108K	208	1 1/2	3.1496 80	1.188 30.18	0.866(2) 22	0.433 11	0.755 19.18	3/16 4.8	2 3/8 60.3	23/32 18.3	0.164 4.17	1 23/32 43.7	0.694
GRA109RRB	S1109		1 9/16											0.649
GRAE40RRB	SE40K		40											0.649
GRAE38NPPB	S1108K	209	1 1/2	3.3456 85	1.188 30.18	0.866 22	0.433 11	0.755 19.18	3/16 4.8	2 1/2 63.5	23/32 18.3	0.179 4.55	1 23/32 43.7	0.760
GRA110RRB	S1110K		1 5/8											0.780
GRA111RRB	S1111K		1 11/16											0.735
GRA112RRB	S1112K		1 3/4											0.68
GRAE45RRB	SE45K		45											0.68
GRA113RRB	S1113K	210	1 13/16	3.5433 90	1.188 30.18	0.866 22	0.433 11	0.755 19.18	3/16 4.8	2 3/4 69.9	23/32 18.3	0.175 4.44	1 23/32 43.7	0.880
GRA114RRB	S1114K		1 7/8											0.830
GRA115RRB	S1115K		1 15/16											0.771
GRA115RRB2	S1115K2													0.717
GRAE50RRB	SE50K		50											0.771
GRA200RRB	S1200K	211	2	3.9370 100	1.281 32.54	0.945 24	0.472 11.99	0.809 20.55	3/16 4.8	3 76.2	13/16 20.6	0.193 4.9	1 29/32 48.4	0.962
GRA201RRB	S1201K		2 1/16											0.898
GRA202RRB	S1202K		2 1/8											0.857
GRA203RRB	S1203K		2 3/16											0.807
GRAE55RRB	SE55K		55											0.807

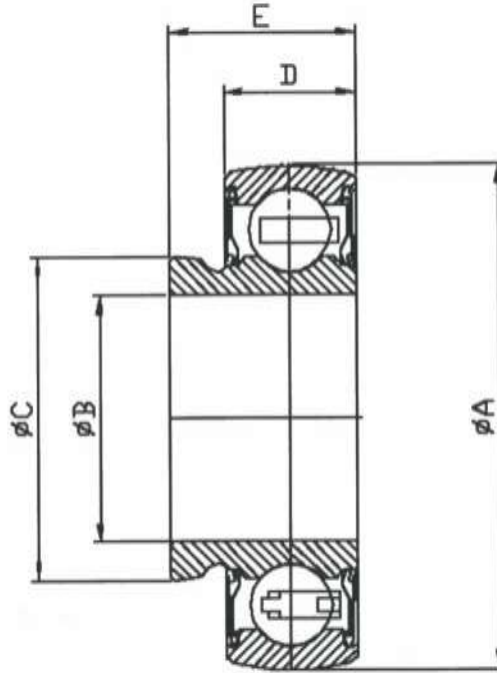
NOTE : 1)Bore Tolerance is nominal to +0.005" (0.013mm)

2)Spherical OD, Outer Ring width is 0.827" (21mm)



# WIDE INNER RING BEARING

## WIDE INNER RING BEARINGS ONE SIDE EXTENDED FOR CLAMPING ECCENTRIC COLLAR RAE - SERIES PRELUBRICATED TYPE



RAE Series bearings are extended inner ring type with self locking collar. (Check) Rubber seals are placed below the bearing face & positive contact of rubber lip on inner ring for protecting bearing against harmful contaminants effectively retain the lubricant under severe operating condition.

RAE series have spherical outside diameters for use in housings with corresponding spherical inside surfaces to provide unrestricted initial alignment.

Recommended shaft tolerances :  $\frac{1}{2}$  to  $1\frac{15}{16}$  nominal to  $-0.0005$ " (0.013mm)  
2" to  $2\frac{15}{16}$  nominal to  $-0.0010$ " (0.025 mm)

To order, specify bearing number followed by "and collar". Example: **RAE 25 RRB L/C**

Bearing Number	Basic Outer Ring	BoRE Dia. B		OD Dia. A		Bearing Widths		C	
		in.	mm	in.	mm	E inner	D Outer	in.	mm
RAE 20 RRB L/C	204	0.787	20	1.850	47	0.844	0.551	1.040	
						21.44	14	26.42	
RAE 25 RRB L/C	205	0.984	25	2.047	52	0.844	0.590	1.238	
						21.44	15	31.45	
RAE 30 RRB L/C	206	1.181	30	2.44	62	0.938	0.709	1.492	
						23.82	18	37.9	



# WIDE INNER RING BEARING

## WIDE INNER RING BEARINGS WITH SETSCREW LOCKING GY-KRRB SERIES, SETSCREW SERIES



This "Y" series extra wide inner ring setscrew bearing has increased shaft support for HVAC and other industrial applications. The bearings feature super finished raceways, grade 10 balls, and anti-backout nylon patch setscrew.

They are factory prelubricated and are relubricatable. Setscrew mounting feature is ideal for reversing load applications.

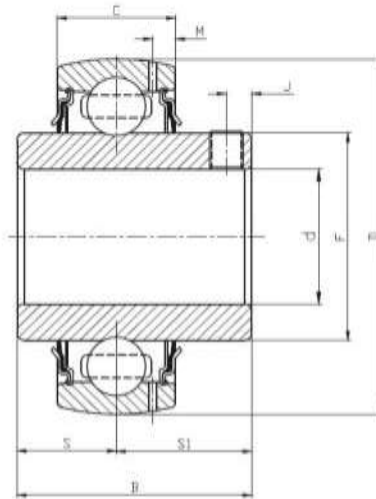
Recommended shaft tolerances :  $\frac{1}{2}$  to  $1\frac{15}{16}$ , nominal to  $-0.0005$ " (0.013mm)  
2" to  $2\frac{15}{16}$ , nominal to  $-0.0010$ " (0.025 mm)

To order, specify bearing number followed by "and collar". Example: **GY1100KRRB** and Collar.

Bearing Number	Basic Outer Ring Size	Bore <sup>(1)</sup> d	O.D. D	Ring Widths		S	S <sub>i</sub>	F	M	J	Setscrew Sizes
				B Inner	C Outer						
		in. mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	mm
GY1008KRRB GY1009KRRB GY1010KRRB GY1011KRRB GYE15KRRB GYE17KRRB	203	$\frac{1}{2}$ $\frac{9}{16}$ $\frac{5}{8}$ $\frac{11}{16}$ 15 17	1.5748 40	1.078 27.38	0.472 12	0.453 11.50	0.625 15.88	0.900 22.86	0.107 2.72	0.179 4.55	M5X8
GY1012KRRB GYE20KRRB	204	$\frac{3}{4}$ 20	1.8504 47	1.219 30.96	0.551 14	0.500 12.70	0.719 18.26	1.085 27.56	0.135 3.43	0.202 5.13	M5X8
GY1013KRRB GY1014KRRB GY1015KRRB GY1100KRRB GYE25KRRB	205	$\frac{13}{16}$ $\frac{7}{8}$ $\frac{15}{16}$ 1 25	2.0472 52	1.343 34.11	0.591 15	0.562 14.27	0.781 19.91	1.332 33.83	0.152 3.86	0.248 6.30	M6X1
GY1101KRRB GY1102KRRB GY1103KRRB GY1103KRRB3 GYE30KRRB	206	$1\frac{1}{16}$ $1\frac{1}{8}$ $1\frac{3}{16}$ $1\frac{1}{4}$ 30	2.4409 62	1.500 38.10	0.709 18	0.625 15.88	0.875 22.22	1.587 40.31	0.156 3.96	0.300 7.62	M6X1

# WIDE INNER RING BEARING

## WIDE INNER RING BEARINGS WITH SETSCREW LOCKING GY-KRRB SERIES, SETSCREW SERIES

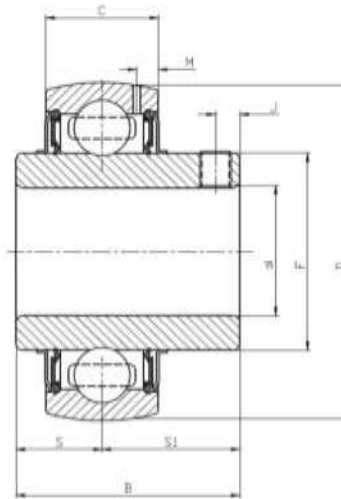


GY ...KRRB

Bearing Number	Basic Outer Ring Size	Boer <sup>(1)</sup> d	O.D. D	Ring Widths		S	S <sub>1</sub>	F	M	J	Setscrew Sizes
				B Inner	C Outer						
		in. mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	mm
GY1104KRRB GY1105KRRB GY1106KRRB GY1107KRRB GYE35KRRB	207	1 ¼ 1 ⅝ 1 ¾ 1 7/8 35	2.8346 72	1.688 42.87	0.748 19	0.688 17.48	1.000 25.40	1.816 46.13	0.145 3.68	0.308 7.82	M8X1.25
GY1108KRRB GY1109KRRB GYE40KRRB	208	1 ½ 1 ⅞ 40	3.1496 80	1.938 49.22	0.827 21	0.750 19.05	1.188 30.17	2.058 52.27	0.160 4.06	0.315 8.00	M8X1.25
GY1110KRRB GY1111KRRB GY1112KRRB GYE45KRRB	209	1 ⅝ 1 11/16 1 ¾ 45	3.3456 85	1.938 49.22	0.8661 22	0.750 19.05	1.188 30.17	2.280 57.92	0.179 4.55	0.315 8	M8X1.25
GY1113KRRB GY1114KRRB GY1115KRRB GY1115KRRB3 GYE50KRRB	210	1 13/16 1 7/8 1 15/16 2 50	3.5433 90	2.031 51.59	0.8661 22"	0.750 19.05	1.281 32.54	2.474 62.84	0.185 4.70	0.394 10	M10 X 1.5
GY1113MKRRB GY1114MKRRB GY1115MKRRB GY1115MKRRB3 GYE50MKRRB	210	1 13/16 1 7/8 1 15/16 2 50	3.5433 90	2.031 51.59	0.945 24"	0.750 19.05	1.281 32.54	2.470 62.73	0.195 4.95	0.394 10	M10 X 1.5

# WIDE INNER RING BEARING

## WIDE INNER RING BEARINGS WITH SETSCREW LOCKING GY-KRRB SERIES, SETSCREW SERIES



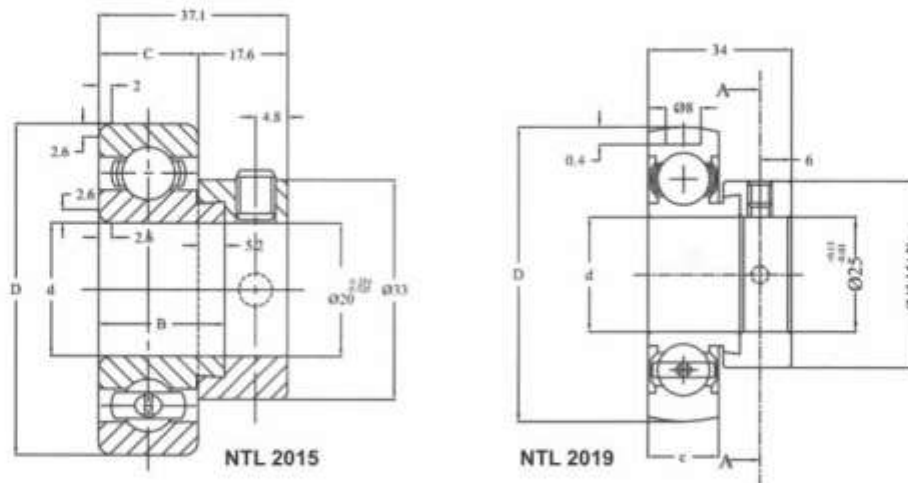
GY ...MKRRB

Bearing Number	Basic Outer Ring Size	Boer <sup>(1)</sup> d	O.D. D	Ring Widths		S	S <sub>1</sub>	F	M	J	Setscrew Sizes
				B Inner	C Outer						
		in. mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	mm
GY1200KRRB	211	2	3.9370	2.187	0.945	0.875	1.312	2.747	0.197	0.394	M10X1.5
GY1201KRRB		2 1/16									
GY1202KRRB		2 1/8									
GY1203KRRB		2 3/16									
GYE55KRRB		55									
GY1200MKRRB	211	2	3.9370	2.187	0.984	0.875	1.312	2.743	0.203	0.394	M10 X 1.5
GY1201MKRRB		2 1/16									
GY1202MKRRB		2 1/8									
GY1203MKRRB		2 3/16									
GYE55MKRRB		55									
GY1204KRRB	212	2 1/4	4.3307	2.562	1.063	1.000	1.562	3.011	0.202	0.394	M10 X 1.5
GY1205KRRB		2 5/16									
GY1206KRRB		2 3/8									
GY1207KRRB		2 7/16									
GYE60KRRB		60									
GY1204MKRRB	212	2 1/4	4.3307	2.562	1.063	1.000	1.562	3.011	0.202	0.394	M10 X 1.5
GY1205MKRRB		2 5/16									
GY1206MKRRB		2 3/8									
GY1207MKRRB		2 7/16									
GYE60KRRB		60									
GY1208MKRRB	213	2 1/2	4.724	2.562	1.259	1.000	1.562	3.248	0.202	0.394	M10 X 1.5
GY1209MKRRB		2 9/16									
GYE65MKRRB		65									



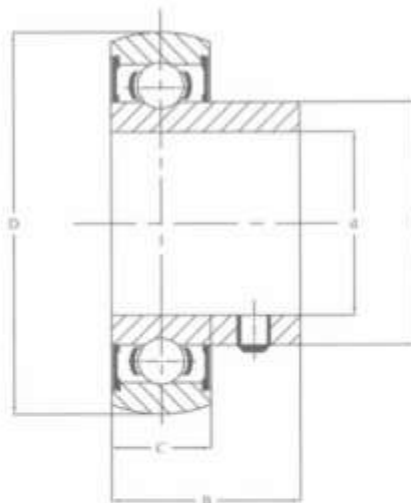
## WIDE INNER RING BEARING (SPECIAL SIZE)

### WIDE INNER RING BEARINGS ONE SIDE EXTENDED WITH ECCENTRIC LOCKING COLLAR



Bearing Number	Basic Outer Ring	OD Dia. A	Bearing Widths		Brg. & Collar Wt.	Remarks
			B inner	C Outer		
	mm	mm	mm	mm	kg.	
NTL2015	20	52	19	15	0.154	----
NTL2019	25	68	21.5	17	0.325	Both ends shielded

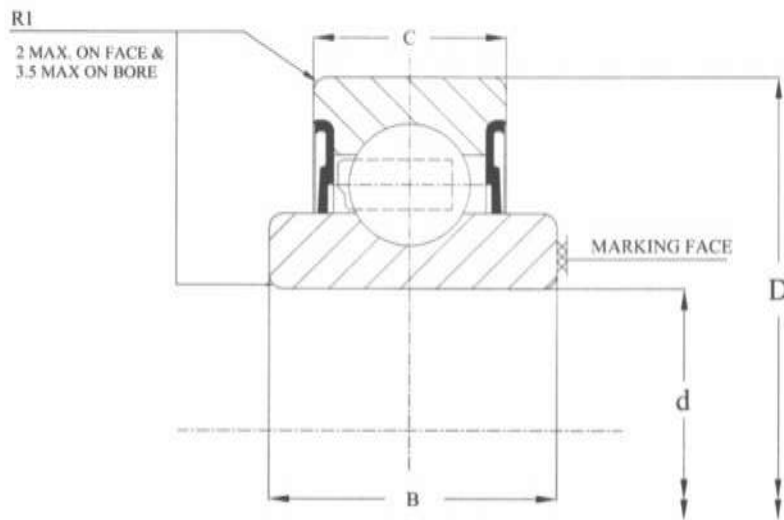
### WIDE INNER RING BEARINGS ONE SIDE EXTENDED WITH SETSCREW LOCKING AND SEALED BOTH ENDS RYE- SERIES



Bearing Number	Basic Outer Ring	Bore d	OD Dia. A	Bearing Widths		F	Setscrew Size	Bearing Wt.
				B inner	C Outer			
		mm	mm	mm	mm	mm	mm	kg.
RYE20KRRB	204	20	47	25	14	27.55	M5 X 0.8	0.126
RYE30KRRB	206	30	62	30	16	40.33	M6 X 1	0.252

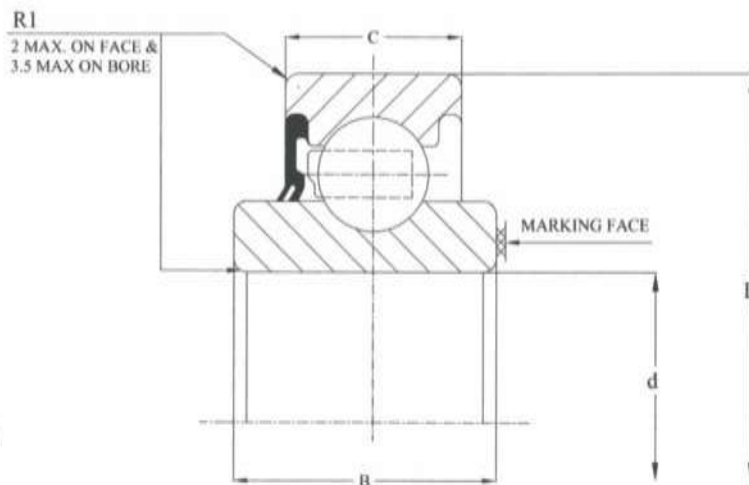
# WIDE INNER RING BEARING (SPECIAL SIZE)

## WIDE INNER RING BEARINGS BOTH SIDE EXTENDED AND SEALED BOTH END



Bearing Number	Basic Outer Ring	Bore d	O.D. D	Bearing Widths		Bearing Wt.
				B inner	C Outer	
	mm	mm	mm	mm	mm	mm
207YY2	207	35	72	23	17	0.28
208YY2	208	40	80	27	21	0.44
209YY2	209	45	85	27	21	0.483

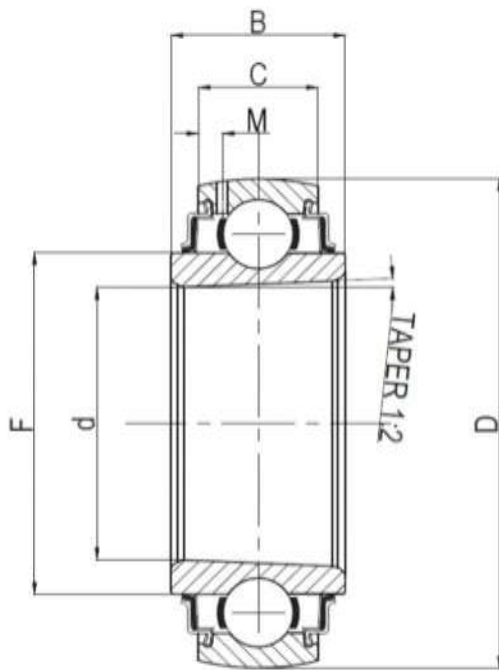
## WIDE INNER RING BEARINGS BOTH SIDE EXTENDED AND ONE END



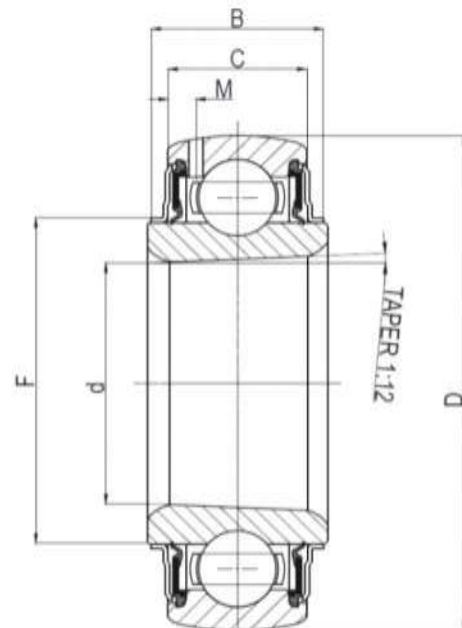
Bearing Number	Basic Outer Ring	Bore d	OD D	Bearing Widths		Bearing Wt.	Remarks
				B inner	C Outer		
		mm	mm	mm	mm	kg.	
208KY	208	40	80	27	21	0.41	one end sealed

## WIDE INNER RING BEARING (SPECIAL SIZE)

GKE- KRRB - Wide inner ring with taper bore and both end seals



GKE...KRRB



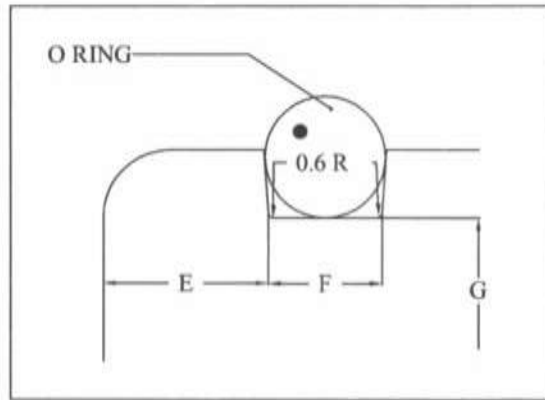
GKE...MKRRB

Bearing Number	Basic Outer Ring	Bore d mm	O.D. D mm	Bearing Widths		F mm	M mm	Bearing Wt. kg.
				B inner mm	C Outer mm			
GKE40 KRRB	208	40	80	31	21	52.26	4.06	0.379
GKE45 KRRB	209	45	85	30.94	22	57.9	4.04	0.522
GKE50 KRRB	210	50	90	31.94	22	62.83	4.44	0.585
GKE 55 KRRB	211	55	100	35	24	69	5	0.678
GKE55 MKRRB	211	55	100	35	25	69	5.15	0.691
GKE65 MKRRB	213	65	120	40	32	82.8	7.27	0.798

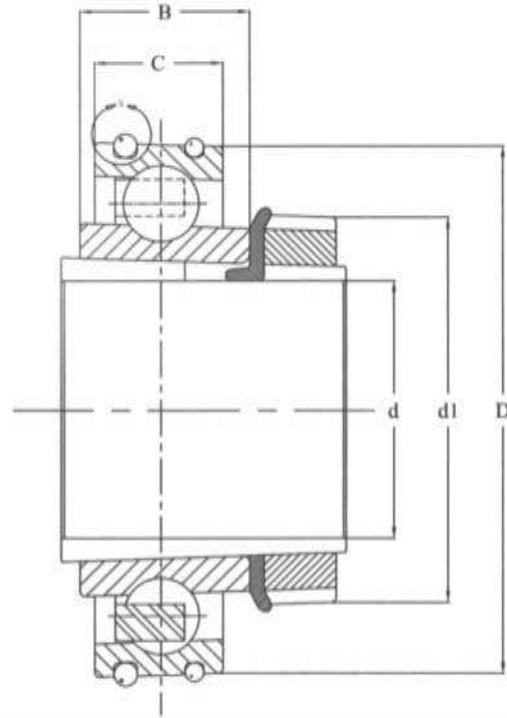


# WIDE INNER RING BEARING (SPECIAL SIZE)

## WIDE INNER RING BEARINGS WITH WITHDRAWAL SLEEVE



GROOVE DETAILS AT X (BOTH SIDES)



Bearing Number	Basic Outer Ring	Bore	O.D.	Bearing Widths		F	M	Bearing Wt.
		d	D	B inner	C Outer			
		mm	mm	mm	mm	mm	mm	kg.
BIN 16297	20	52	38	19	15	3	2.2	49.2
BIN 16293	30	72	52	21	17	3	2.2	69.2

## Nomenclature

<b>AK</b>	Low base
<b>TB</b>	Tapped base
<b>AO</b>	Heavy Series pillow block
<b>AS</b>	High base pillow block
<b>C</b>	Cylindrical Cartridge
<b>SA</b>	High base
<b>C</b>	Concentric collar
<b>CJ</b>	Four bolt mount
<b>CJT</b>	Two bolt mount
<b>H</b>	Heavy housing
<b>L</b>	Expansion unit
<b>TU</b>	Take-up unit
<b>M</b>	Medium duty

\*M Modified casting, modified insert, rubber seal with steel stiffener and protective cap

Y

AS

50

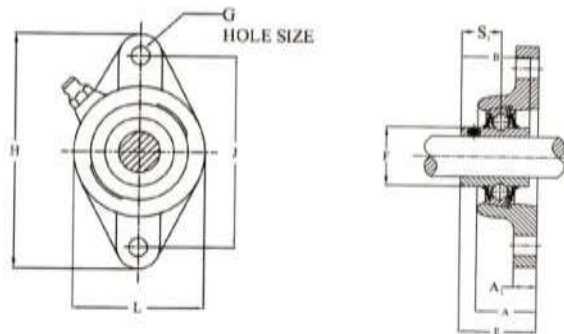
\* Option

<b>L</b>	Labyrinth seal with self-locking collar
<b>R</b>	Contact shroud seal with self locking collar
<b>S</b>	Contact shroud seal, narrow inner ring, set screw
<b>T</b>	Tri-ply shroud seal with self locking collar
<b>V</b>	Contact shroud seal, narrow inner ring, self locking collar
<b>Y</b>	Contact shroud seal, with wide inner ring, setscrew lock
<b>H</b>	Hanger Unit

<b>Bore size</b>
Inch ½" 2 ⅝"
Metric 15 - 75

# HOUSED UNITS

## Industrial Duty Two Bolt Cast Iron Housed Units Setscrew Locking YT Wide Inner Setscrew Series



The YT flange cartridge basically has the same design as the YCJ series but is mounted with two bolts instead of four. All Y1 units are equipped with GY-KRRB wide inner rings setscrew bearings mounted in the corresponding machined house seals provides the initial self alignment.

These units are factory prelubricated, but a grease fitting is provided for relubrication if required.

### Bearing Data

Unit	Bearing Number
YT	GY-KRRB

Recommended shaft tolerances :  $\frac{1}{2}$ " to  $1 \frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)  
2" to  $2 \frac{15}{16}$ " , nominal to - 0.0010" (0.025mm)

To order, specify Unit and Shaft Diameter. Example: YT  $1 \frac{1}{8}$ "

Unit	Shaft Diam.	Basic Bearing Number	H	J	L	A	E	B	A <sub>1</sub>	F	S <sub>1</sub>	G Hole Size	Bearing Number
	in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	mm	
YT		205	130	99.2	68	27	35.83	34.11	13	-	19.83	16	GY1100KRRB
YT	25												GYE25KRRB
YT	$1 \frac{1}{8}$	206	148	116.7	79.4	31	40.22	38.10	13	-	22.225	16	GY1102KRRB
YT	30												GYE30KRRB



# HOUSED UNITS

## Industrial duty pillow block cast Iron housed units with eccentric Collar locking RAS Standard Series



NIBL RAS 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 RAS pillow blocks are equipped with G-KRRB (R-Seal) wide inner ring bearings.

### Bearing Data

Unit	Bearing Number
RAS	G....KRRB

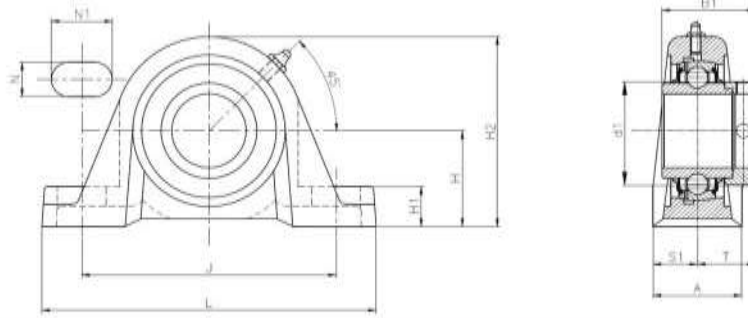
Recommended shaft tolerances :  $\frac{1}{2}$ " to  $1 \frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)  
 2" to  $2 \frac{15}{16}$ " , nominal to - 0.0010" (0.025mm)

To order, specify Unit and Shaft Diameter. Example: RAS1"

Unit	Shaft Diam.	Basic Bearing Number	H	H <sub>2</sub>	B <sub>1</sub>	J	L	A	H <sub>1</sub>	N	N <sub>1</sub>	d <sub>1</sub>	S <sub>1</sub>	T	Bolt Size	Bearing Number	Collar 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	mm			kg.
RAS $\frac{1}{2}$		203	1 $\frac{13}{16}$ 30.16	2 $\frac{7}{32}$ 56.4	1 $\frac{13}{32}$ 37.3	3 $\frac{5}{8}$ 92.1	4 $\frac{7}{8}$ 123.8	1 $\frac{3}{16}$ 30.2	1 $\frac{9}{32}$ 11.9	$\frac{7}{16}$ 11.1	$\frac{7}{8}$ 22.2	1 $\frac{1}{8}$ 28.6	$\frac{59}{64}$ 23.4	1 $\frac{9}{32}$ 15.1	10	G1008KRRB	S1008K	0.454
RAS $\frac{9}{16}$	G1009KRRB															S1009K		
RAS $\frac{5}{8}$	G1010KRRB															S1010K		
RAS $1\frac{1}{16}$	G1011KRRB															S1011K		
RAS 17																GE17KRRB	SE17K	
RAS $\frac{3}{4}$		204	1 $\frac{5}{16}$ 33.34	2 $\frac{17}{32}$ 64.3	1 $\frac{23}{32}$ 43.7	3 $\frac{29}{32}$ 96	5 127	1 $\frac{1}{4}$ 31.8	1 $\frac{7}{32}$ 13.5	$\frac{7}{16}$ 11.1	2 $\frac{25}{32}$ 19.8	1 $\frac{5}{16}$ 33.3	1 $\frac{3}{64}$ 26.6	$\frac{5}{8}$ 15.9	10	G1012KRRB	S1012K	0.635
RAS 20	GE20KRRB															SE20K		
RAS $1\frac{3}{16}$		205	1 $\frac{7}{16}$ 36.51	2 $\frac{13}{16}$ 71.4	1 $\frac{3}{4}$ 44.4	4 $\frac{1}{8}$ 104.8	5 $\frac{1}{2}$ 139.7	1 $\frac{13}{32}$ 35.7	1 $\frac{9}{32}$ 15.1	$\frac{7}{16}$ 11.1	1 $\frac{3}{16}$ 20.6	1 $\frac{1}{2}$ 38.1	1 $\frac{1}{16}$ 27	1 $\frac{45}{64}$ 17.9	10	G1013KRRB	S1013K	0.803
RAS $\frac{7}{8}$	G1014KRRB?															S1014K		
RAS $1\frac{5}{16}$	G1015KRRB															S1015K		
RAS 1	G1100KRRB															S1100K		
RAS 25																GE25KRRB	SE25K	

NOTE : All Units have  $\frac{1}{8}$  pipe thread fitting except  $\frac{1}{2}$  -  $1\frac{1}{16}$  and  $\frac{3}{4}$  units which have  $\frac{1}{4}$  - 28 fitting.

# HOUSED UNITS



Unit	Shaft Diam.	Basic Bearing Number	H	H <sub>2</sub>	B <sub>1</sub>	J	L	A	H <sub>1</sub>	N	N <sub>1</sub>	d <sub>1</sub>	S <sub>1</sub>	T	Bolt Size	Bearing Number	Collar 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	mm			kg.
RAS 1 <sup>1</sup> / <sub>16</sub> RAS 1 <sup>1</sup> / <sub>8</sub> RAS 1 <sup>3</sup> / <sub>16</sub> RAS 30		206	1 <sup>1</sup> / <sub>16</sub> 42.86	3 <sup>9</sup> / <sub>32</sub> 83.3	1 <sup>29</sup> / <sub>32</sub> 48.4	4 <sup>9</sup> / <sub>16</sub> 117.5	6 <sup>3</sup> / <sub>16</sub> 157.2	1 <sup>9</sup> / <sub>16</sub> 39.7	2 <sup>1</sup> / <sub>32</sub> 16.7	9/ <sub>16</sub> 14.3	1 <sup>1</sup> / <sub>16</sub> 23.8	1 <sup>3</sup> / <sub>4</sub> 44.5	1 <sup>13</sup> / <sub>16</sub> 30.2	2 <sup>25</sup> / <sub>32</sub> 19.9	12	G1101KRRB G1102KRRB G1103KRRB GE30KRRB	S1101K S1102K S1103K SE30K	1.297
RAS 1 <sup>1</sup> / <sub>4</sub> RAS 1 <sup>5</sup> / <sub>16</sub> RAS 1 <sup>3</sup> / <sub>8</sub> RAS 1 <sup>7</sup> / <sub>16</sub> RAS 35		207	1 <sup>7</sup> / <sub>16</sub> 47.62	3 <sup>1</sup> / <sub>16</sub> 93.7	2 <sup>1</sup> / <sub>64</sub> 51.2	5 <sup>1</sup> / <sub>8</sub> 130.2	6 <sup>9</sup> / <sub>16</sub> 166.7	1 <sup>25</sup> / <sub>32</sub> 45.2	2 <sup>3</sup> / <sub>32</sub> 18.3	9/ <sub>16</sub> 14.3	1 <sup>1</sup> / <sub>32</sub> 24.6	2 <sup>1</sup> / <sub>8</sub> 54	1 <sup>9</sup> / <sub>32</sub> 32.5	5 <sup>7</sup> / <sub>64</sub> 22.7	12	G1104KRRB G1105KRRB G1106KRRB G1107KRRB GE35KRRB	S1104K S1105K S1106K S1107 SE35K	1.674
RAS 1 <sup>1</sup> / <sub>2</sub> RAS 1 <sup>9</sup> / <sub>16</sub> RAS 40		208	1 <sup>1</sup> / <sub>16</sub> 49.21	3 <sup>1</sup> / <sub>16</sub> 100	2 <sup>7</sup> / <sub>32</sub> 56.4	5 <sup>3</sup> / <sub>8</sub> 136.5	7 <sup>1</sup> / <sub>16</sub> 179.4	1 <sup>7</sup> / <sub>8</sub> 47.6	3/ <sub>4</sub> 19	9/ <sub>16</sub> 14.3	1 <sup>1</sup> / <sub>32</sub> 26.2	2 <sup>3</sup> / <sub>8</sub> 60.3	1 <sup>3</sup> / <sub>8</sub> 34.9	1 <sup>15</sup> / <sub>16</sub> 23.8	12	G1108KRRB G1109KRRB GE40KRRB	S1108K S1109K SE40K	2.150
RAS 1 <sup>5</sup> / <sub>8</sub> RAS 1 <sup>11</sup> / <sub>16</sub> RAS 1 <sup>3</sup> / <sub>4</sub> RAS 45		209	2 <sup>1</sup> / <sub>8</sub> 53.98	4 <sup>3</sup> / <sub>16</sub> 106.4	2 <sup>7</sup> / <sub>32</sub> 56.4	5 <sup>7</sup> / <sub>8</sub> 149.2	7 <sup>1</sup> / <sub>32</sub> 191.3	2 50.8	3/ <sub>4</sub> 19	9/ <sub>16</sub> 14.3	1 <sup>1</sup> / <sub>8</sub> 28.6	2 <sup>1</sup> / <sub>2</sub> 63.5	1 <sup>3</sup> / <sub>8</sub> 34.9	1 25.4	12	G1110KRRB G1111KRRB G1112KRRB GE45KRRB	S1110K S1111K S1112K SE45K	2.409
RAS 1 <sup>13</sup> / <sub>16</sub> RAS 1 <sup>7</sup> / <sub>8</sub> RAS 1 <sup>15</sup> / <sub>16</sub> RAS 50		210	2 <sup>1</sup> / <sub>4</sub> 57.15	4 <sup>1</sup> / <sub>2</sub> 114.3	2 <sup>15</sup> / <sub>16</sub> 62.7	6 <sup>7</sup> / <sub>32</sub> 158	7 <sup>7</sup> / <sub>16</sub> 200	2 <sup>3</sup> / <sub>16</sub> 55.6	3/ <sub>4</sub> 19	1 <sup>1</sup> / <sub>16</sub> 17.5	1 <sup>15</sup> / <sub>16</sub> 23.8	2 <sup>3</sup> / <sub>4</sub> 69.8	1 <sup>1</sup> / <sub>2</sub> 38.1	1 <sup>13</sup> / <sub>32</sub> 27.8	16	G1113KRRB G1114KRRB G1115KRRB GE50KRRB	S1113K S1114K S1115K SE50K	3.003
RAS 2 RAS 2 <sup>1</sup> / <sub>16</sub> RAS 2 <sup>1</sup> / <sub>8</sub> RAS 2 <sup>3</sup> / <sub>16</sub> RAS 55		211	2 <sup>1</sup> / <sub>2</sub> 63.50	4 <sup>21</sup> / <sub>32</sub> 126.2	2 <sup>1</sup> / <sub>16</sub> 71.4	6 <sup>15</sup> / <sub>16</sub> 176.2	8 <sup>3</sup> / <sub>4</sub> 222.3	2 <sup>5</sup> / <sub>16</sub> 58.7	1 <sup>1</sup> / <sub>16</sub> 20.6	2 <sup>3</sup> / <sub>32</sub> 18.3	1 <sup>5</sup> / <sub>32</sub> 29.4	3 76.2	1 <sup>23</sup> / <sub>32</sub> 43.7	1 <sup>15</sup> / <sub>32</sub> 29.4	16	G1200KRRB G1201KRRB G1202KRRB G1203KRRB GE55KRRB	S1200K S1201K S1202K S1203K SE55K	3.901
RAS 2 <sup>1</sup> / <sub>4</sub> RAS 2 <sup>5</sup> / <sub>16</sub> RAS 2 <sup>3</sup> / <sub>8</sub> RAS 2 <sup>7</sup> / <sub>16</sub> RAS 60		212	2 <sup>3</sup> / <sub>4</sub> 69.85	5 <sup>1</sup> / <sub>32</sub> 138.9	3 <sup>1</sup> / <sub>16</sub> 77.8	7 <sup>13</sup> / <sub>32</sub> 188.1	9 <sup>1</sup> / <sub>16</sub> 239.7	2 <sup>3</sup> / <sub>8</sub> 60.3	1 <sup>15</sup> / <sub>16</sub> 23.8	2 <sup>3</sup> / <sub>32</sub> 18.3	1 <sup>5</sup> / <sub>32</sub> 29.4	3 <sup>5</sup> / <sub>16</sub> 84.1	1 <sup>27</sup> / <sub>32</sub> 46.8	1 <sup>1</sup> / <sub>16</sub> 30.2	16	G1204KRRB G1205KRRB G1206KRRB G1207KRRB GE60KRRB	S1204K S1205K S1206K S1207K SE60K	5.511

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

# HOUSED UNITS

## Industrial duty pillow block / cast Iron housed units setscrews locking. YAS Series Setscrews Units



NIBL 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 designed for two bolt mounting in any position.

### Bearing Data

Unit	Bearing Number
YAS	G....KRRB

Recommended shaft tolerances :  $\frac{1}{2}$ " to 1  $\frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)  
 2" to 2  $\frac{15}{16}$ " , nominal to - 0.0010" (0.025mm)

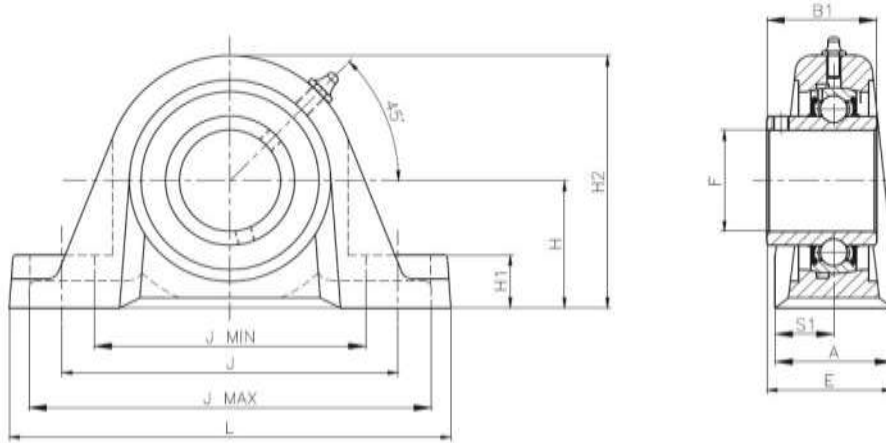
To order, specify Unit and Shaft Diameter. Example: YAS 1  $\frac{7}{16}$ "

Unit	Shaft Diam.	Basic Bearing Number	H	H <sub>2</sub>	B <sub>1</sub>	L	J	J <sub>min</sub>	J <sub>max</sub>	A	N <sub>1</sub>	F	S <sub>1</sub>	E	Bolt Size	Bearing Number
			in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm		
*YAS $\frac{1}{2}$		203	30.16	56.4	27.4	123.8	92.1	69.8	114.4	30.2	11.9	22.86	15.9	30.95	10	GY1008KRRB
YAS $\frac{9}{16}$	GY1009KRRB															
*YAS $\frac{5}{8}$	GY1010KRRB															
YAS $\frac{11}{16}$	GY1011KRRB															
YAS 15	GYE15KRRB															
*YAS 17	GYE17KRRB															
*YAS $\frac{3}{4}$		204	33.34	64.3	30.9	127.0	96.0	76.2	155.8	31.8	13.5	27.56	18.3	34.13	10	GY1012KRRB
*YAS 20	GYE20KRRB															
YAS $\frac{13}{16}$		205	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	GY1013KRRB
*YAS $\frac{7}{8}$	GY1014KRRB															
*YAS $\frac{15}{16}$	GY1015KRRB															
*YAS 1	GY1100KRRB															
*YAS 25	GYE25KRRB															
YAS $1\frac{1}{16}$		206	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	GY1101KRRB
*YAS $1\frac{1}{8}$	GY1102KRRB															
*YAS $1\frac{3}{16}$	GY1103KRRB															
*YAS $1\frac{1}{4}$ S	GY1103KRRB3															
*YAS 30	GYE30KRRB															

NOTE : All Units have  $\frac{1}{8}$  pipe thread fitting except  $\frac{1}{2}$  -  $1\frac{1}{16}$  and  $\frac{3}{4}$  units which have  $\frac{1}{4}$  - 28 fitting. ( \*Preferred Sizes )



# HOUSED UNITS

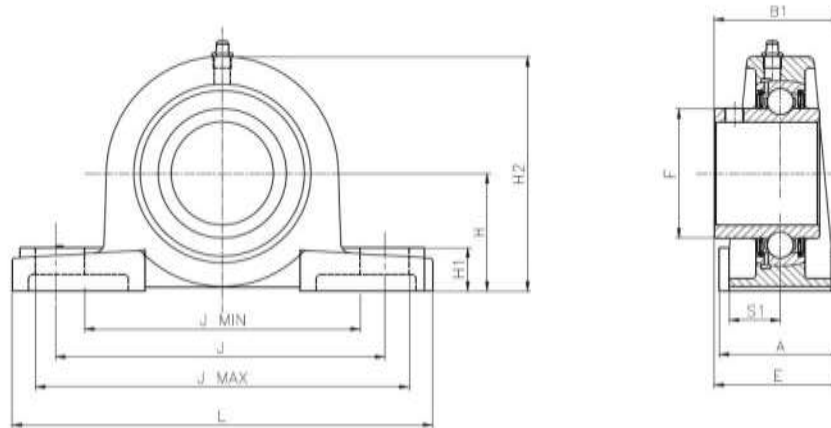


YAS...

Unit	Shaft Diam.	Basic Bearing Number	H	H <sub>2</sub>	B <sub>1</sub>	L	J	Jmin	Jmax	A	N <sub>1</sub>	F	S <sub>1</sub>	E	Bolt Size	Bearing Number
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm		
*YAS 1/4 YAS 5/16 *YAS 3/8 *YAS 7/16 *YAS 35		207	1 7/8 47.62	3 1/16 93.6	1 1/16 42.9	6 3/16 166.7	5 1/8 130.2	4 9/32 105.6	6 3/32 154.8	1 29/32 45.2	29/32 18.3	1.816 46.13	1 25.4	1 9/64 48.2	12	GY1104KRRB GY1105KRRB GY1106KRRB GY1107KRRB GYE35KRRB
*YAS 1 1/2 YAS 1 9/16 *YAS 40		208	1 9/16 49.21	3 15/16 100.0	1 9/16 49.2	7 1/16 179.4	5 3/8 136.5	4 11/32 110.3	6 13/32 162.7	1 7/8 47.6	3/4 19.1	2.058 52.27	1 3/16 30.2	2 1/8 53.98	12	GY1108KRRB GY1109KRRB GYE40KRRB
*YAS 1 1/2 H		208	2 1/8 53.98	4 1/8 104.8	1 9/16 49.2	7 1/16 179.4	5 3/8 136.5	4 11/32 100.3	6 13/32 162.7	1 7/8 47.6	29/32 23	2.058 52.27	1 3/16 30.2	2 1/8 53.98	12	GY1108KRRB
YAS 1 5/8 *YAS 1 11/16 *YAS 1 3/4 *YAS 45		209	2 1/8 53.98	4 3/16 106.3	1 9/16 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	2.280 57.92	1 3/16 30.2	2 3/16 55.56	12	GY1110KRRB GY1111KRRB GY1112KRRB GYE45KRRB
YAS 1 13/16 YAS 1 7/8 *YAS 1 15/16 *YAS 2S *YAS 50		210	2 1/4 57.15	4 1/2 114.3	2 1/32 51.6	7 7/8 200.0	6 7/32 158.0	5 7/32 132.6	7 7/32 183.4	2 3/16 55.6	3/4 19.1	2.474 62.84	1 9/32 32.5	2 3/8 60.33	16	GY1113KRRB GY1114KRRB GY1115KRRB GY1115KRRB GYE50KRRB
YAS 1 13/16 M YAS 1 7/8 M *YAS 1 15/16 M *YAS 2S M *YAS 1.96950M		210	2.252 57.2	4.488 114	2.031 51.59	8.110 206	6.260 159	5.315 135	7.204 182	2.362 60	0.827 21	2.470 62.73	1.281 32.54	2.462 62.54	16	GY1113KRRB GY1114KRRB GY1115KRRB GY1115KRRB GYE50KRRB

NOTE : All Units have 1/8 pipe thread fitting except 1/2 - 1 1/8 and 3/4 units which have 1/4 - 28 fitting.

# HOUSED UNITS



YAS...M

Unit	Shaft Diam.	Basic Bearing Number	H	H <sub>2</sub>	B <sub>1</sub>	L	J	Jmin	Jmax	A	N <sub>1</sub>	F	S <sub>1</sub>	E	Bolt Size	Bearing Number
	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	mm	
*YAS 2 YAS 2 <sup>1</sup> / <sub>16</sub> YAS 2 <sup>1</sup> / <sub>8</sub> *YAS 2 <sup>3</sup> / <sub>16</sub> *YAS 55		211	2 <sup>1</sup> / <sub>2</sub> 63.50	4 <sup>3</sup> / <sub>32</sub> 126.2	2 <sup>3</sup> / <sub>16</sub> 55.6	8 <sup>3</sup> / <sub>4</sub> 222.3	6 <sup>1</sup> / <sub>16</sub> 176.2	5 <sup>2</sup> / <sub>32</sub> 146.9	8 <sup>3</sup> / <sub>32</sub> 205.6	2 <sup>5</sup> / <sub>16</sub> 58.7	1 <sup>3</sup> / <sub>16</sub> 20.6	2.747 69.77	1 <sup>5</sup> / <sub>16</sub> 33.3	2 <sup>7</sup> / <sub>16</sub> 61.91	16	GY1200KRRB GY1201KRRB GY1202KRRB GY1203KRRB GYE55KRRB
YAS 2M 50.8 YAS 2 <sup>1</sup> / <sub>16</sub> M *YAS 2 <sup>1</sup> / <sub>8</sub> M *YAS 2 <sup>3</sup> / <sub>16</sub> M		211	2.5 63.5	4.961 126	2.187 55.545	8.622 219	6.632 171	5.827 148	7.638 194	2.362 60	0.906 23	2.743 69.66	1.312 33.32	2.493 62.32	16	GY1200MKRRB GY1201MKRRB GY1202MKRRB GY1203MKRRB
*YAS 1 <sup>1</sup> / <sub>4</sub> YAS 1 <sup>9</sup> / <sub>16</sub> YAS 1 <sup>3</sup> / <sub>8</sub> *YAS 2 <sup>7</sup> / <sub>16</sub> *YAS 60		212	2 <sup>1</sup> / <sub>4</sub> 69.85	5 <sup>1</sup> / <sub>32</sub> 188.9	9 <sup>9</sup> / <sub>16</sub> 65.1	9 <sup>7</sup> / <sub>16</sub> 239.7	7 <sup>1</sup> / <sub>32</sub> 188.1	6 <sup>1</sup> / <sub>4</sub> 158.8	8 <sup>9</sup> / <sub>16</sub> 217.5	2 <sup>3</sup> / <sub>16</sub> 60.3	1 <sup>1</sup> / <sub>16</sub> 23.8	3.011 76.48	1 <sup>1</sup> / <sub>16</sub> 39.7	1 <sup>1</sup> / <sub>4</sub> 69.85	16	GY1204KRRB GY1205KRRB GY1206KRRB GY1207KRRB GYE60KRRB
*YAS 1 <sup>1</sup> / <sub>4</sub> M YAS 1 <sup>9</sup> / <sub>16</sub> M YAS 1 <sup>3</sup> / <sub>8</sub> M *YAS 2 <sup>7</sup> / <sub>16</sub> M *YAS 60M		212	2 <sup>1</sup> / <sub>4</sub> 69.85	5 <sup>1</sup> / <sub>32</sub> 188.9	9 <sup>9</sup> / <sub>16</sub> 65.07	9 <sup>7</sup> / <sub>16</sub> 239.7	7 <sup>1</sup> / <sub>32</sub> 188.1	6 <sup>1</sup> / <sub>4</sub> 158.8	8 <sup>9</sup> / <sub>16</sub> 217.5	2 <sup>3</sup> / <sub>16</sub> 60.4	1 <sup>1</sup> / <sub>16</sub> 23.8	3.011 76.48	1 <sup>1</sup> / <sub>16</sub> 39.67	1 <sup>1</sup> / <sub>4</sub> 69.85	16	GY1204KRRB GY1205KRRB GY1206KRRB GY1207KRRB GYE60KRRB
YAS 65M		213	3 76.2	7.992 203	2.562 65.10	10.433 265	7.992 203	6.299 160	9.330 237	2.755 70	1.062 27	3.011 76.48	1.562 39.70	3 76.2	16	GYE65MKRRB

NOTE : All Units have 1/2" pipe thread fitting except 1/4" - 1 1/16" and 3/4" units which have 1/4" - 28 fitting.

## HOUSED UNITS

### Industrial duty Four Bolt Cast Iron Housed Units Eccentric Collar Locking RCJ Standard Series



NIBL flange cartridges are used in application where a minimum amount of machining is to be done. Each unit is furnished assembled and ready for mounting by means of bolts through the flange. They use a wide inner ring bearing, self-aligning B type, which compensates for shaft misalignment. The RCJ flange cartridge is equipped with G-KRRB (R-Seal) wide inner ring bearing.

These units are factory prelubricated, but a grease fitting is provided for relubrication if required. All units are supplied with self-locking collars.

#### Bearing Data

Unit	Bearing Number
RCJ	G...KRRB

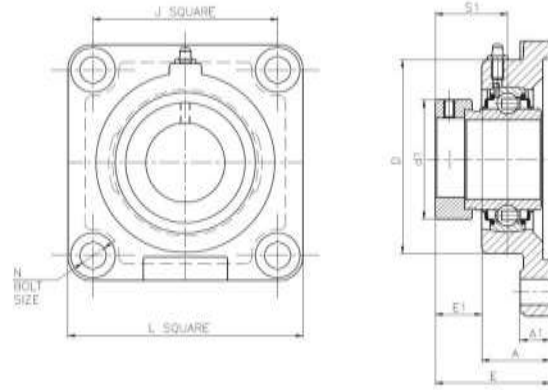
Recommended shaft tolerances :  $\frac{1}{2}$ " to  $1 \frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)  
 $2$ " to  $2 \frac{15}{16}$ " , nominal to - 0.0010" (0.025mm)

To order, specify Unit and Shaft Diameter. Example: RCJ1  $\frac{3}{16}$ "

Unit	Shaft Diam.	Basic Bearing Number	L	J	A <sub>1</sub>	A	E	N	E <sub>1</sub>	S <sub>1</sub>	D	d <sub>1</sub>	Bearing Number	Collar Number	Unit Wt.
															kg.
	in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm			
RCJ $\frac{1}{2}$		203	3 76.2	$2\frac{1}{8}$ 54	$\frac{3}{8}$ 9.5	$2\frac{1}{2}$ 24.6	$1\frac{13}{16}$ 40.1	$\frac{23}{64}$ 10.7	$\frac{25}{64}$ 13.9	$\frac{33}{64}$ 23.4	$2\frac{1}{16}$ 52.4	$1\frac{1}{2}$ 28.6	G1008KRRB	S1008K	0.526
RCJ $\frac{9}{16}$	G1009KRRB												S1009K		
RCJ $\frac{5}{8}$	G1010KRRB												S1010K		
RCJ $\frac{11}{16}$	G1011KRRB												S1011K		
RCJ 17	GE17KRRB												SE17K		
RCJ $\frac{3}{4}$		204	$3\frac{1}{8}$ 85.7	$2\frac{1}{2}$ 63.5	$\frac{3}{16}$ 11.1	$1\frac{13}{16}$ 27.8	$1\frac{15}{64}$ 45.6	$\frac{23}{64}$ 10.7	$\frac{41}{64}$ 16.3	$1\frac{1}{64}$ 26.6	$2\frac{3}{8}$ 60.3	$1\frac{1}{16}$ 33.3	G1012KRRB	S1012K	0.726
RCJ 20	GE20KRRB												SE20K		
RCJ $\frac{13}{16}$		205	$3\frac{3}{4}$ 95.2	$2\frac{49}{64}$ 70.2	$\frac{1}{2}$ 12.7	$1\frac{1}{2}$ 28.6	$1\frac{13}{16}$ 40	$\frac{23}{64}$ 11.5	$\frac{5}{8}$ 15.9	$1\frac{1}{16}$ 27	$2\frac{5}{16}$ 65.1	$1\frac{1}{2}$ 38.1	G1013KRRB	S1013K	0.939
RCJ $\frac{7}{8}$	G1014KRRB												S1014K		
RCJ $\frac{5}{8}$	G1015KRRB												S1015K		
RCJ 1	G1100KRRB												S1100K		
RCJ 25	GE25KRRB												SE25K		



# HOUSED UNITS



Unit	Shaft Diam.	Basic Bearing Number	L	J	A <sub>1</sub>	A	E	N	E <sub>1</sub>	S <sub>1</sub>	D	d <sub>1</sub>	Bearing Number	Collar Number	Unit Wt.
in.	mm		in	in	in	in	in	in	in	in	in	in			kg.
RCJ 1 <sup>1</sup> / <sub>16</sub>		206	4 <sup>1</sup> / <sub>4</sub> 107.9	3 <sup>1</sup> / <sub>4</sub> 82.6	1 <sup>1</sup> / <sub>32</sub> 13.5	1 <sup>1</sup> / <sub>16</sub> 30.2	1 <sup>13</sup> / <sub>32</sub> 50	2 <sup>9</sup> / <sub>64</sub> 11.5	1 <sup>1</sup> / <sub>16</sub> 17.5	1 <sup>3</sup> / <sub>16</sub> 30.2	3 76.2	1 <sup>1</sup> / <sub>4</sub> 44.5	G1101KRRB	S1101K	1.302
RCJ 1 <sup>1</sup> / <sub>8</sub>	G1102KRRB												S1102K		
RCJ 1 <sup>3</sup> / <sub>16</sub>	G1103KRRB												S1103K		
RCJ 30	GE30KRRB												SE30K		
RCJ 1 <sup>1</sup> / <sub>4</sub>		207	4 <sup>5</sup> / <sub>8</sub> 117.5	3 <sup>3</sup> / <sub>8</sub> 92.1	1 <sup>1</sup> / <sub>32</sub> 13.5	1 <sup>1</sup> / <sub>16</sub> 34.1	2 <sup>3</sup> / <sub>32</sub> 53.2	3 <sup>3</sup> / <sub>64</sub> 13.1	3/4 19	1 <sup>3</sup> / <sub>32</sub> 32.5	3 <sup>1</sup> / <sub>2</sub> 88.9	2 <sup>1</sup> / <sub>8</sub> 54	G1104KRRB	S1104K	1.787
RCJ 1 <sup>5</sup> / <sub>16</sub>	G1105KRRB												S1105K		
RCJ 1 <sup>3</sup> / <sub>8</sub>	G1106KRRB												S1106K		
RCJ 1 <sup>7</sup> / <sub>16</sub>	G1107KRRB												S1107		
RCJ 35		GE35KRRB	SE35K												
RCJ 1 <sup>1</sup> / <sub>2</sub>		208	5 <sup>1</sup> / <sub>8</sub> 130.2	4 101.6	9/16 14.3	1 <sup>1</sup> / <sub>2</sub> 38.1	2 <sup>5</sup> / <sub>16</sub> 58.7	3 <sup>3</sup> / <sub>64</sub> 13.1	1 <sup>3</sup> / <sub>16</sub> 20.6	1 <sup>3</sup> / <sub>8</sub> 34.9	3 <sup>7</sup> / <sub>8</sub> 98.4	2 <sup>3</sup> / <sub>8</sub> 60.3	G1108KRRB	S1108KT	2.291
RCJ 1 <sup>9</sup> / <sub>16</sub>	G1109KRRB												S1109KT		
RCJ 40	GE40KRRB												SE40K		
RCJ 1 <sup>5</sup> / <sub>8</sub>		209	5 <sup>3</sup> / <sub>8</sub> 136.5	4 <sup>1</sup> / <sub>8</sub> 104.8	9/16 14.3	1 <sup>1</sup> / <sub>32</sub> 38.9	2 <sup>5</sup> / <sub>16</sub> 58.7	3 <sup>3</sup> / <sub>64</sub> 13.1	2 <sup>9</sup> / <sub>32</sub> 19.8	1 <sup>3</sup> / <sub>8</sub> 34.9	4 <sup>1</sup> / <sub>8</sub> 104.8	2 <sup>1</sup> / <sub>2</sub> 63.5	G1110KRRB	S1110K	2.585
RCJ 1 <sup>11</sup> / <sub>16</sub>	G1111KRRB												S1111K		
RCJ 1 <sup>3</sup> / <sub>4</sub>	G1112KRRB												S1112K		
RCJ 45	GE45KRRB												SE45K		
RCJ 1 <sup>13</sup> / <sub>16</sub>		210	5 <sup>5</sup> / <sub>8</sub> 142.9	4 <sup>3</sup> / <sub>8</sub> 111.1	9/16 14.3	1 <sup>1</sup> / <sub>16</sub> 42.9	2 <sup>19</sup> / <sub>32</sub> 65.9	4 <sup>3</sup> / <sub>64</sub> 17.1	2 <sup>9</sup> / <sub>32</sub> 23.0	1 <sup>1</sup> / <sub>2</sub> 38.1	4 <sup>7</sup> / <sub>16</sub> 112.7	2 <sup>3</sup> / <sub>4</sub> 69.8	G1113KRRB	S1113K	3.016
RCJ 1 <sup>7</sup> / <sub>8</sub>	G1114KRRB												S1114K		
RCJ 1 <sup>15</sup> / <sub>16</sub>	G1115KRRB												S1115K		
RCJ 50	GE50KRRB												SE50K		
RCJ 2		211	6 <sup>3</sup> / <sub>8</sub> 161.9	5 <sup>1</sup> / <sub>8</sub> 130.2	2 <sup>1</sup> / <sub>32</sub> 16.7	1 <sup>1</sup> / <sub>32</sub> 46.8	2 <sup>19</sup> / <sub>16</sub> 74.6	4 <sup>3</sup> / <sub>64</sub> 17.1	1 <sup>3</sup> / <sub>32</sub> 27.8	1 <sup>23</sup> / <sub>32</sub> 43.7	4 <sup>3</sup> / <sub>4</sub> 120.6	3 76.2	G1200KRRB	S1200K	3.842
RCJ 2 <sup>1</sup> / <sub>16</sub>	G1201KRRB												S1201K		
RCJ 2 <sup>1</sup> / <sub>8</sub>	G1202KRRB												S1202K		
RCJ 2 <sup>3</sup> / <sub>16</sub>	G1203KRRB												S1203K		
RCJ 55		GE55KRRB	SE55K												
RCJ 2 <sup>1</sup> / <sub>4</sub>		212	6 <sup>7</sup> / <sub>8</sub> 174.6	5 <sup>1</sup> / <sub>8</sub> 142.9	1 <sup>1</sup> / <sub>16</sub> 17.5	1 <sup>1</sup> / <sub>16</sub> 49.2	3 <sup>3</sup> / <sub>16</sub> 81.0	4 <sup>3</sup> / <sub>64</sub> 17.1	1 <sup>1</sup> / <sub>4</sub> 31.8	1 <sup>27</sup> / <sub>32</sub> 46.8	5 <sup>3</sup> / <sub>8</sub> 136.5	3 <sup>5</sup> / <sub>16</sub> 84.1	G1204KRRB	S1204K	5.048
RCJ 2 <sup>5</sup> / <sub>16</sub>	G1205KRRB												S1205K		
RCJ 2 <sup>3</sup> / <sub>8</sub>	G1206KRRB												S1206K		
RCJ 2 <sup>7</sup> / <sub>16</sub>	G1207KRRB												S1207K		
RCJ 60		GE60KRRB	SE60K												



# HOUSED UNITS

## Industrial duty Four Bolt Cast Iron Housed Units Eccentric Collar Locking YCJ Standard Series



NIBL YCJ flange cartridges use specially designed setscrews rather than the concentric collar as the shaft locking device. All YCJ units equipped with GY-KRRB wide inner ring, setscrew bearings. The spherical outside diameter of these bearings, mounted in corresponding machined housing seats, provides the initial self-alignment. Bolts hole spacing dimensions are interchangeable with most competitive units.

These units are factory prelubricated, but a grease fitting is provided for relubrication if required.

### Bearing Data

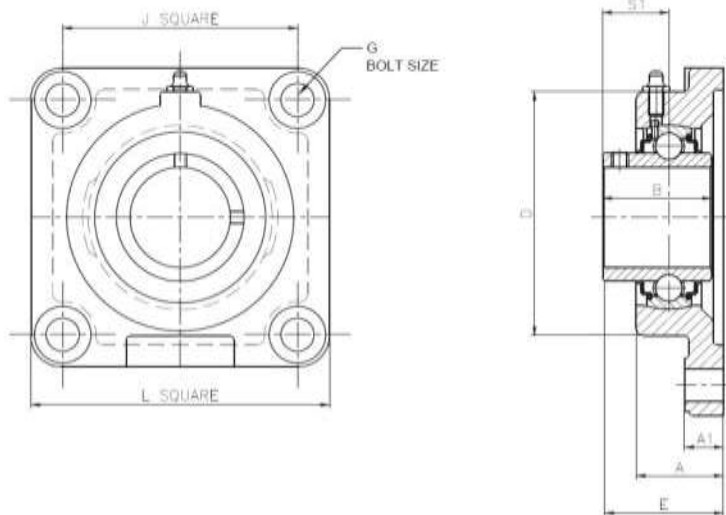
Unit	Bearing Number
YCJ	G-KRRB

Recommended shaft tolerances :  $\frac{1}{2}$ " to  $1 \frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)  
 $2$ " to  $2 \frac{15}{16}$ " , nominal to - 0.0010" (0.025mm)

To order, specify Unit and Shaft Diameter. Example: YCJ1  $3/16$ "

Unit	Shaft Diam.	Basic Bearing Number	L	J	A <sub>1</sub>	A	E	B	D	F	S <sub>1</sub>	G Bolt Size	Bearing Number
	in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	mm	
YCJ $\frac{1}{2}$		203	3 76.2	$2\frac{1}{8}$ 54	$\frac{3}{8}$ 9.5	$\frac{1}{32}$ 24.6	$1\frac{1}{32}$ 32.5	$\frac{1}{64}$ 27.4	$2\frac{1}{16}$ 52.4	0.9 22.86	$\frac{5}{8}$ 15.9	10	GY1008KRRB
YCJ $\frac{9}{16}$	GY1009KRRB												
YCJ $\frac{5}{8}$	GY1010KRRB												
YCJ $1\frac{1}{16}$	GY1011KRRB												
YCJ 15	GYE15KRRB												
YCJ 17	GYE17KRRB												
YCJ $\frac{3}{4}$		204	$3\frac{3}{8}$ 85.7	$2\frac{1}{2}$ 63.5	$\frac{7}{16}$ 11.1	$\frac{1}{32}$ 27.8	$1\frac{1}{32}$ 37.3	$1\frac{1}{32}$ 31.0	$2\frac{3}{8}$ 60.3	1.085 27.56	$\frac{23}{32}$ 18.3	10	GY1012KRRB
YCJ 20	GYE20KRRB												
YCJ $1\frac{3}{16}$		205	$3\frac{3}{4}$ 95.2	$2\frac{49}{64}$ 69.8	$\frac{1}{2}$ 12.7	$1\frac{1}{8}$ 28.6	$1\frac{17}{32}$ 38.9	$1\frac{11}{32}$ 34.1	$2\frac{9}{16}$ 65.1	1.332 33.88	$\frac{25}{32}$ 19.8	10	GY1013KRRB
YCJ $\frac{7}{8}$	GY1014KRRB												
YCJ $1\frac{5}{16}$	GY1015KRRB												
YCJ 1 25	GY1100KRRB												
YCJ 25MB*	GYE25KRRB												

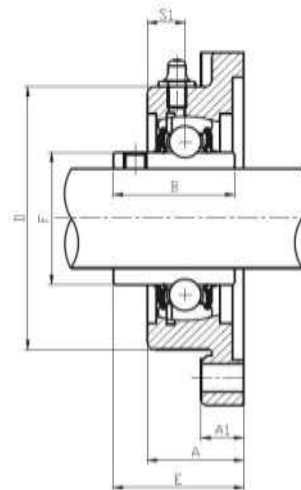
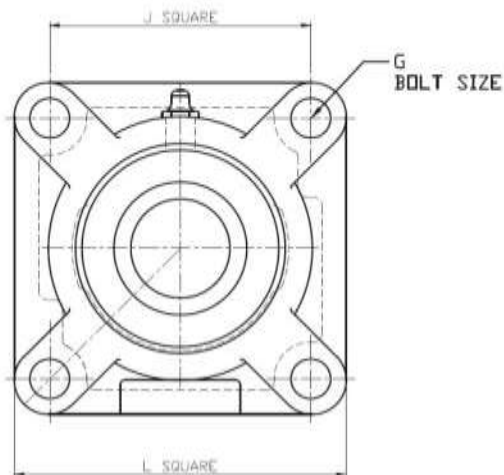
# HOUSED UNITS



YCJ...

Unit	Shaft Diam.	Basic Bearing Number	L	J	A <sub>1</sub>	A	E	B	D	F	S <sub>1</sub>	Bolt Size	Bearing Number
in.	mm		in	in	in	in	in	in	in	in	in	mm	
YCJ 1 <sup>1</sup> / <sub>16</sub>		206										10	GY1101KRRB
YCJ 1 <sup>1</sup> / <sub>8</sub>			4 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>4</sub>	1 <sup>7</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>16</sub>	1 <sup>21</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>2</sub>	3	1.587	7 <sup>7</sup> / <sub>8</sub>		GY1102KRRB
YCJ 1 <sup>3</sup> / <sub>16</sub>			107.9	82.6	13.5	30.2	42.1	38.1	76.2	40.31	22.2		GY1103KRRB
YCJ 1 <sup>1</sup> / <sub>4</sub> S 30			GY1103KRRB3										
YCJ 30MB'			GYE30KRRB										
YCJ 1 <sup>1</sup> / <sub>4</sub>		207										12	GY1104KRRB
YCJ 1 <sup>5</sup> / <sub>16</sub>			4 <sup>5</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	1 <sup>7</sup> / <sub>32</sub>	1 <sup>11</sup> / <sub>32</sub>	1 <sup>13</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	1.816	1		GY1105KRRB
YCJ 1 <sup>3</sup> / <sub>8</sub>			117.5	92.1	13.5	34.1	46.0	42.9	88.9	46.13	25.4		GY1106KRRB
YCJ 1 <sup>7</sup> / <sub>16</sub> 35			GY1107KRRB										
YCJ 35MB'			GYE35KRRB										
YCJ 1 <sup>1</sup> / <sub>2</sub>		208										12	GY1108KRRB
YCJ 1 <sup>9</sup> / <sub>16</sub>			5 <sup>1</sup> / <sub>8</sub>	4	9 <sup>9</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>8</sub>	1 <sup>15</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>8</sub>	2.058	1 <sup>3</sup> / <sub>16</sub>		GY1109KRRB
YCJ 40			130.2	101.6	14.3	38.1	54	49.2	98.4	52.27	30.2		GYE40KRRB
YCJ 40MB'			GYE40KRRB										
YCJ 1 <sup>5</sup> / <sub>8</sub>		209										12	GY1110KRRB
YCJ 1 <sup>11</sup> / <sub>16</sub>			5 <sup>3</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>8</sub>	9 <sup>9</sup> / <sub>16</sub>	1 <sup>11</sup> / <sub>32</sub>	2 <sup>1</sup> / <sub>8</sub>	1 <sup>15</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>8</sub>	2.280	1 <sup>3</sup> / <sub>16</sub>		GY1111KRRB
YCJ 1 <sup>3</sup> / <sub>4</sub> 45			136.5	104.8	14.3	38.9	54.0	49.2	104.8	57.92	30.2		GY1112KRRB
YCJ 45MB'			GYE45KRRB										
YCJ			GYE45KRRB										
YCJ 1 <sup>3</sup> / <sub>16</sub>		210										16	GY1113KRRB
YCJ 1 <sup>7</sup> / <sub>8</sub>			5 <sup>5</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>8</sub>	9 <sup>9</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>32</sub>	4 <sup>7</sup> / <sub>16</sub>	2.474	1 <sup>1</sup> / <sub>32</sub>		GY1114KRRB
YCJ 1 <sup>15</sup> / <sub>16</sub>			142.9	111.1	14.3	42.9	60.3	51.6	112.7	62.84	32.5		GY1115KRRB
YCJ 2S 50			GY1115KRRB2										
YCJ 50MB'			GYE50KRRB										
YCJ			GYE50KRRB										
YCJ1 <sup>13</sup> / <sub>16</sub> M		210										16	GY1113MKRRB
YCJ1 <sup>7</sup> / <sub>8</sub> M			5.629	4.370	0.6299	1 <sup>11</sup> / <sub>16</sub>	2.149	2.031	4.330	2.474	1.283		GY1114MKRRB
YCJ1 <sup>15</sup> / <sub>16</sub> M			143	111	16	42.9	54.6	51.6	112.7	62.84	32.6		GY1115MKRRB
YCJ 2S 50M			GY55MKRRB										

# HOUSED UNITS



YCJ...M

Unit	Shaft Diam.	Basic Bearing Number	L	J	A <sub>1</sub>	A	E	B	D	F	S <sub>1</sub>	Bolt Size	Bearing Number	
	in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	mm		
YCJ 2		211										16	GY1200KRRB	
YCJ 2 1/16			6 3/8	52 1/8	2 7/32	1 27/32	2 17/32	2 3/16	4 3/4	2.743	1.312		GY1201KRRB	
YCJ 2 1/8			161.9	130.2	16.7	46.8	64.3	55.6	120.7	69.66	33.32		GY1202KRRB	
YCJ 2 3/16														GY1203KRRB
YCJ 55														
YCJ 2 M		211										19	GY1200MKRRB	
YCJ 2 1/16 M			6.378	5.118	0.709	1.654	2.296	2.187	4 3/4	2.743	1.312		GY1201MKRRB	
YCJ 2 7/8 M			162	130	18	42	58.32	55.545	120.7	69.66	33.32		GY1202MKRRB	
YCJ 2 3/16 M														GY1203MKRRB
YCJ 55M														
YCJ 2 M		211										19	GY1200MKRRB	
YCJ 2 1/16 M			6.378	5.118	0.709	1.654	2.296	2.187	4 3/4	2.743	1.312		GY1201MKRRB	
YCJ 2 7/8 M			162	130	18	42	58.32	55.545	120.7	69.66	33.32		GY1202MKRRB	
YCJ 2 3/16 M														GY1203MKRRB
YCJ2.165 55M														
YCJ 2 1/4		212										16	GY1204KRRB	
YCJ 2 5/16			3/8	5/8	1/16	1/16	29/32	9/16	3/8		9/16		GY1205KRRB	
YCJ 2 3/8			6	5	17.5	1	2	2	5	3.011	1		GY1206KRRB	
YCJ 2 7/16			174.6	142.9	17.5	49.2	73.8	65.1	136.5	76.48	39.7		GYE55KRRB	
YCJ 1/2 60		213										19	GYE60KRRB	
YCJ 2 9/16 M			1.165	5.866	0.708	1.869	2.744	2.562	5.078	3.259	1.181		GY1208MKRRB	
YCJ 2 M			182	149	18	50	69.7	65.1	129	82.80	30		GY1209MKRRB	
YCJ 65M														



# HOUSED UNITS

## Industrial duty Two Bolt Cast Iron Housed Units Eccentric Collar Locking RCJT Standard Series



NIBL flange cartridges are used in application where a minimum amount of machining is to be done. Each unit is furnished assembled and ready for mounting by means of bolts through the flange. They use a wide inner ring bearing, self-aligning B type, which compensates for shaft misalignment. They are designed chiefly to fill the need for applications where the mounting area is restricted.

The RCJT flange cartridge is equipped with G-KRRB (R-Seal) wide inner ring bearings.

These units are factory prelubricated, but a grease fitting is provided for relubrication if required. All units are supplied with self-locking collars.

### Bearing Data

Unit	Bearing Number
RCJT	G-KRRB

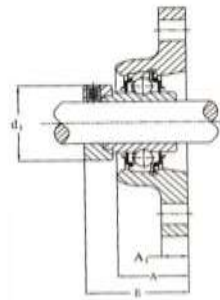
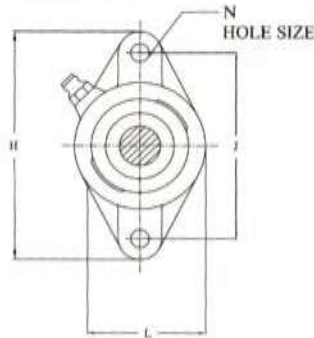
Recommended shaft tolerances :  $\frac{1}{2}$ " to  $1 \frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)  
 $2$ " to  $2 \frac{3}{16}$ " , nominal to - 0.0010" (0.025mm)

To order, specify Unit and Shaft Diameter. Example: RCJT 1  $\frac{7}{16}$ "

Unit	Shaft Diam.	Basic Bearing Number	H	J	L	A	N	E	A <sub>1</sub>	d <sub>1</sub>	Bearing Number	Collar Number	Unit Wt.
	in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm			kg.
RCJT $\frac{1}{2}$		203	3 $\frac{7}{8}$ 98.4	3 76.2	2 $\frac{3}{8}$ 60.3	1 $\frac{3}{32}$ 27.8	$\frac{25}{64}$ 9.9	1 $\frac{37}{64}$ 40.1	$\frac{7}{16}$ 11.1	1 $\frac{1}{8}$ 28.6	G1008KRRB	S1008K	0.59
RCJT $\frac{9}{16}$											G1009KRRB	S1009K	
RCJT $\frac{5}{8}$											G1010KRRB	S1010K	
RCJT $\frac{11}{16}$											G1011KRRB	S1011K	
RCJT 17											GE17KRRB	SE17K	
RCJT $\frac{3}{4}$		204	4 $\frac{13}{32}$ 111.9	3 $\frac{17}{32}$ 89.7	2 $\frac{9}{16}$ 65.1	1 $\frac{1}{32}$ 27.8	$\frac{27}{64}$ 10.7	1 $\frac{51}{64}$ 45.6	$\frac{7}{16}$ 11.1	1 $\frac{5}{16}$ 33.3	G1012KRRB	S1012K	0.59
RCJT 20											GE20KRRB	SE20K	
RCJT $\frac{13}{16}$		205	4 $\frac{7}{8}$ 123.8	3 $\frac{29}{32}$ 99.2	2 $\frac{1}{4}$ 69.80	1 $\frac{1}{64}$ 29.0	$\frac{15}{32}$ 11.9	1 $\frac{25}{32}$ 45.2	$\frac{7}{16}$ 11.1	1 $\frac{1}{2}$ 38.1	G1013KRRB	S1013K	0.785
RCJT $\frac{7}{8}$											G1014KRRB	S1014K	
RCJT $\frac{15}{16}$											G1015KRRB	S1015K	
RCJT 1											G1100KRRB	S1100K	
RCJT 25											GE25KRRB	SE25K	



# HOUSED UNITS



Unit	Shaft Diam.	Basic Bearing Number	H	J	L	A	N	E	A <sub>1</sub>	d <sub>1</sub>	Bearing Number	Collar Number	Unit Wt.
	in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm			kg.
RCJT1 <sup>1</sup> / <sub>16</sub>		206									G1101KRRB	S1101K	1.09
RCJT1 <sup>1</sup> / <sub>8</sub>											G1102KRRB	S1102K	
RCJT1 <sup>3</sup> / <sub>16</sub>			5 <sup>9</sup> / <sub>16</sub>	4 <sup>13</sup> / <sub>32</sub>	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>4</sub>	<sup>29</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>32</sub>	<sup>1</sup> / <sub>32</sub>	1 <sup>47</sup> / <sub>64</sub>	G1103KRRB	S1103K	
RCJT1 <sup>1</sup> / <sub>4</sub> S			141.3	116.7	79.4	31.8	11.5	50	11.9	44.1	-----	S1103K3	
RCJT 30											GE30KRRB	SE30K	
RCJT1 <sup>1</sup> / <sub>4</sub>		207									G1104KRRB	S1104K	1.444
RCJT1 <sup>5</sup> / <sub>16</sub>											G1105KRRB	S1105K	
RCJT1 <sup>3</sup> / <sub>8</sub>			6 <sup>1</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	3 <sup>5</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>32</sub>	<sup>33</sup> / <sub>64</sub>	2 <sup>3</sup> / <sub>32</sub>	<sup>15</sup> / <sub>32</sub>	2 <sup>1</sup> / <sub>8</sub>	G1106KRRB	S1106K	
RCJT1 <sup>7</sup> / <sub>16</sub>			155.6	130.2	92.1	34.1	13.1	53.2	11.9	54	G1107KRRB	S1107	
RCJT 35											GE35KRRB	SE35K	
RCJT 1 <sup>1</sup> / <sub>2</sub>		208									G1108KRRB	S1108KT	2.193
RCJT 1 <sup>9</sup> / <sub>16</sub>			6 <sup>3</sup> / <sub>4</sub>	5 <sup>21</sup> / <sub>32</sub>	4 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	<sup>33</sup> / <sub>64</sub>	2 <sup>5</sup> / <sub>16</sub>	<sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>8</sub>	G1109KRRB	S1109KT	
RCJT 40			171.4	143.6	104.7	38.1	13.1	58.7	12.7	60.3	GE40KRRB	SE40K	
RCJT 1 <sup>5</sup> / <sub>8</sub>		209									G1110KRRB	S1110K	2.379
RCJT1 <sup>11</sup> / <sub>16</sub>			7 <sup>1</sup> / <sub>16</sub>	5 <sup>53</sup> / <sub>64</sub>	4 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>32</sub>	<sup>33</sup> / <sub>64</sub>	2 <sup>5</sup> / <sub>16</sub>	<sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	G1111KRRB	S1111K	
RCJT 1 <sup>3</sup> / <sub>4</sub>			179.4	148	111.1	38.90	13.1	58.7	12.7	63.5	G1112KRRB	S1112K	
RCJT 45											GE45KRRB	SE45K	
RCJT1 <sup>13</sup> / <sub>16</sub>		210									G1113KRRB	S1113K	2.724
RCJT 1 <sup>7</sup> / <sub>8</sub>			7 <sup>7</sup> / <sub>16</sub>	6 <sup>3</sup> / <sub>16</sub>	4 <sup>9</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	<sup>43</sup> / <sub>64</sub>	2 <sup>19</sup> / <sub>32</sub>	<sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>4</sub>	G1114KRRB	S1114K	
RCJT1 <sup>15</sup> / <sub>16</sub>			188.9	157.2	115.9	42.9	17.1	65.9	12.7	69.9	G1115KRRB	S1115K	
RCJT 50											GE50KRRB	SE50K	
RCJT 2		211									G1200KRRB	S1200K	3.668
RCJT2 <sup>1</sup> / <sub>16</sub>											G1201KRRB	S1201K	
RCJT 2 <sup>1</sup> / <sub>8</sub>			8 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>4</sub>	5	1 <sup>7</sup> / <sub>32</sub>	<sup>43</sup> / <sub>64</sub>	2 <sup>19</sup> / <sub>16</sub>	<sup>21</sup> / <sub>32</sub>	3	G1202KRRB	S1202K	
RCJT2 <sup>3</sup> / <sub>16</sub>			215.9	184.1	127	46.8	17.1	74.6	16.7	76.2	G1203KRRB	S1203K	
RCJT 55											GE55KRRB	SE55K	

# HOUSED UNITS

## Industrial duty Four Bolt Cast Iron Housed Units Eccentric Collar Locking RCJT Standard Series



NIBL YCJT flange cartridges are basically the same design as the YCJ series but are mounted with two bolts instead of four. All YCJT units are equipped with GY-KRRB wide inner ring, setscrew bearings. the spherical outside diameter of these bearings mounted in corresponding machined housing seats provides the initial self-alignment

These units are factory prelubricated, but a grease fitting is provided for relubrication if required.

### Bearing Data

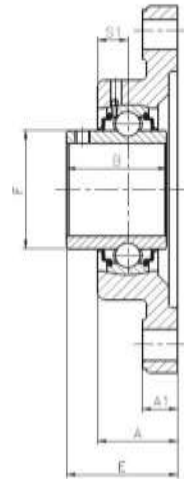
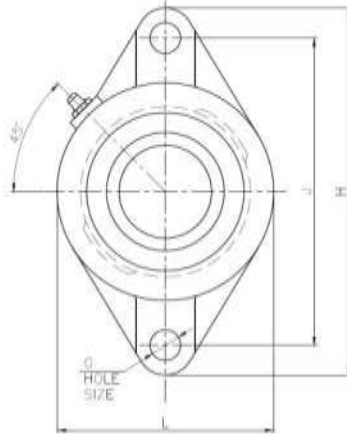
Unit	Bearing Number
YCJT	G-KRRB

Recommended shaft tolerances :  $\frac{1}{2}$ " to  $1 \frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)  
 $2$ " to  $2 \frac{3}{16}$ " , nominal to - 0.0010" (0.025mm)

To order, specify Unit and Shaft Diameter. Example: RCJT  $1 \frac{7}{16}$ "

Unit	Shaft Diam.	Basic Bearing Number	H	J	L	A	E	B	A <sub>1</sub>	F	S <sub>1</sub>	G Bolt Size	Bearing Number
			in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm		
YCJT $\frac{1}{2}$		203										10	GY1008KRRB
YCJT $\frac{9}{16}$													GY1009KRRB
YCJT $\frac{5}{8}$			$3\frac{7}{8}$	3	$2\frac{1}{8}$	$\frac{31}{32}$	$\frac{19}{32}$	$1\frac{5}{64}$	$\frac{7}{16}$	0.9	$\frac{5}{8}$		GY1010KRRB
YCJT $1\frac{1}{16}$			98.4	76.2	53.9	24.6	32.5	27.4	11.1	22.86	15.9		GY1011KRRB
YCJT 15													GYE15KRRB
YCJT 17													GYE17KRRB
YCJT $\frac{3}{4}$		204	$4\frac{9}{32}$	$3\frac{17}{32}$	$2\frac{3}{8}$	$\frac{19}{32}$	$\frac{19}{32}$	$1\frac{7}{32}$	$\frac{7}{16}$	1.085	$\frac{23}{32}$	10	GY1012KRRB
YCJT 20			111.9	89.7	60.3	27.8	37.3	30.9	11.1	27.56	18.3		GYE20KRRB
YCJT $1\frac{3}{16}$		205										10	GY1013KRRB
YCJT $\frac{7}{8}$													GY1014KRRB
YCJT $1\frac{1}{8}$			$4\frac{7}{8}$	$3\frac{97}{64}$	$2\frac{3}{4}$	$1\frac{1}{8}$	$1\frac{1}{2}$	$1\frac{11}{32}$	$\frac{7}{16}$	1.332	$\frac{29}{32}$		GY1015KRRB
YCJT 1			123.8	98.8	69.9	28.6	38.1	34.1	11.1	33.83	19.8		GY1100KRRB
YCJT 25													GYE25KRRB

# HOUSED UNITS



Unit	Shaft Diam.	Basic Bearing Number	H	J	L	A	E	B	A <sub>1</sub>	F	S <sub>1</sub>	G Bolt Size	Bearing Number		
	in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm				
YCJT1 <sup>1</sup> / <sub>16</sub>		206										10	GY1101KRRB		
YCJT1 <sup>1</sup> / <sub>8</sub>														GY1102KRRB	
YCJT1 <sup>3</sup> / <sub>16</sub>			5 <sup>9</sup> / <sub>16</sub> 141.3	4 <sup>19</sup> / <sub>32</sub> 116.7	3 <sup>1</sup> / <sub>8</sub> 79.375	1 <sup>1</sup> / <sub>16</sub> 30.2	1 <sup>21</sup> / <sub>32</sub> 42.1	1 <sup>1</sup> / <sub>2</sub> 38.1	1 <sup>5</sup> / <sub>32</sub> 11.9	1.587 40.31	7/ <sub>8</sub> 22.2			GY1103KRRB	
YCJT1 <sup>1</sup> / <sub>4S</sub>															GY1103KRRB
YCJT 30															GYE30KRRB
YCJT1 <sup>1</sup> / <sub>4</sub>		207										12	GY1104KRRB		
YCJT1 <sup>5</sup> / <sub>16</sub>															GY1105KRRB
YCJT1 <sup>3</sup> / <sub>8</sub>			6 <sup>1</sup> / <sub>8</sub> 155.6	5 <sup>1</sup> / <sub>8</sub> 130.2	3 <sup>3</sup> / <sub>8</sub> 92.1	1 <sup>11</sup> / <sub>32</sub> 34.1	1 <sup>11</sup> / <sub>16</sub> 46	1 <sup>1</sup> / <sub>16</sub> 42.9	1 <sup>5</sup> / <sub>32</sub> 11.9	1.816 46.13	1 25.4			GY1106KRRB	
YCJT1 <sup>7</sup> / <sub>16</sub>															GY1107KRRB
YCJT 35															GYE35KRRB
YCJT 1 <sup>1</sup> / <sub>2</sub>		208										12	GY1108KRRB		
YCJT 1 <sup>9</sup> / <sub>16</sub>			6 <sup>3</sup> / <sub>4</sub> 171.45	5 <sup>21</sup> / <sub>32</sub> 143.7	4 <sup>1</sup> / <sub>8</sub> 104.8	1 <sup>1</sup> / <sub>2</sub> 38.1	2 <sup>1</sup> / <sub>8</sub> 54	1 <sup>9</sup> / <sub>16</sub> 49.2	1/ <sub>2</sub> 12.7	2.058 52.27	1 <sup>1</sup> / <sub>16</sub> 30.2			GY1109KRRB	
YCJT 40															GYE40KRRB
YCJT 1 <sup>5</sup> / <sub>8</sub>		209										12	GY1110KRRB		
YCJT1 <sup>11</sup> / <sub>16</sub>															GY1111KRRB
YCJT 1 <sup>3</sup> / <sub>4</sub>			7 <sup>1</sup> / <sub>16</sub> 179.4	5 <sup>27</sup> / <sub>32</sub> 148.4	4 <sup>3</sup> / <sub>8</sub> 111.1	1 <sup>17</sup> / <sub>32</sub> 38.9	2 <sup>1</sup> / <sub>8</sub> 54	1 <sup>9</sup> / <sub>16</sub> 49.2	1/ <sub>2</sub> 12.7	2.28 57.92	1 <sup>1</sup> / <sub>16</sub> 30.2			GY1112KRRB	
YCJT 45															GYE45KRRB
YCJT1 <sup>13</sup> / <sub>16</sub>		210										16	GY1113KRRB		
YCJT 1 <sup>7</sup> / <sub>8</sub>															GY1114KRRB
YCJT1 <sup>15</sup> / <sub>16</sub>			7 <sup>7</sup> / <sub>16</sub> 188.9	6 <sup>3</sup> / <sub>16</sub> 157.2	4 <sup>9</sup> / <sub>16</sub> 115.9	1 <sup>11</sup> / <sub>16</sub> 42.9	2 <sup>3</sup> / <sub>8</sub> 60.3	2 <sup>1</sup> / <sub>32</sub> 51.6	1/ <sub>2</sub> 12.7	2.474 62.84	1 <sup>9</sup> / <sub>32</sub> 32.5			GY1115KRRB	
YCJT 2S															GY1115KRRB3
YCJT 50															GYE50KRRB
YCJT 2		211										16	GY1200KRRB		
YCJT2 <sup>1</sup> / <sub>16</sub>															GY1201KRRB
YCJT 2 <sup>1</sup> / <sub>8</sub>			8 <sup>1</sup> / <sub>2</sub> 215.9	7 <sup>1</sup> / <sub>4</sub> 184.2	5 127	1 <sup>27</sup> / <sub>32</sub> 46.8	2 <sup>17</sup> / <sub>32</sub> 64.3	2 <sup>3</sup> / <sub>16</sub> 55.6	2 <sup>1</sup> / <sub>32</sub> 16.7	2.747 69.77	1 <sup>5</sup> / <sub>16</sub> 33.3			GY1202KRRB	
YCJT2 <sup>3</sup> / <sub>16</sub>															GY1203KRRB
YCJT 55															GYE55KRRB



# HOUSED UNITS

## Industrial Duty Round Flange Three / Four Bolt Cast Iron Housed Units With Eccentric Collar Locking



NIBL YCR flanged cartridges are basically tailor made designs for combine harvestors.

The spherical outside cartridges these bearings mounted in corresponding machined housing seats provides the initial self-alignment. These units are factory prelubricated.

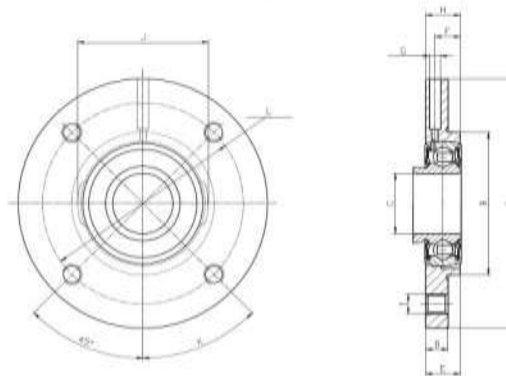
These units are factory prelubricated, but a grease fitting is provided for relubrication if required.

### Bearing Data

Unit	Bearing Number
YCR	GRAE -RRB

Recommended shaft tolerances :  $\frac{1}{2}$ " to  $1 \frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)  
 $2$ " to  $2 \frac{3}{16}$ " , nominal to - 0.0010" (0.025mm)

To order, specify Unit and Shaft Diameter. Example: YCR  $1 \frac{9}{50}$ \*



Unit	Shaft Diam.	Basic Bearing Number	H	J	L	A	E	B	A <sub>1</sub>	I Mounting hole size	F	S <sub>1</sub>	PCD L	Bearing Number
	in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	mm	Deg	Deg. mm	in mm	
			4.882	2.795	0.512	0.709	0.531	0.220	0.709				3.937	
YCR 30	1.181 30	206	124	71	13	18	13.5	5.6	18	M10-3 nos Equispaced on PCD	64	120	100	GRAE 30 RRB
			$5 \frac{9}{10}$ " 3	$13.25$ " 5	$\frac{1}{100}$ " 7	$\frac{9}{100}$ " 5	$\frac{7}{100}$ " 1	$\frac{1}{100}$ " 1	$\frac{3}{50}$ "					
YCR 40	1.574 40	208	5.906	3.519	0.519	0.787	0.570	0.220	1.06	M12-4 nos Equispaced on PCD	82	90	4.685	GRAE 40 RRB
			150	89.3	13	20	14.5	5.6	27				119	



# HOUSED UNITS

## Industrial Duty Take-up Units/Cast Iron Housing Setscrew Locking YTU Series



Ball bearing take-up units are used where shaft adjustment and belt tightening devices are required, as on conveyor applications. YTU series take-up units incorporate selfaligning B-type extra wide inner ring ball bearings with setscrew lock.

The YTU uses a GY-KRRB (Shroud Seal) type wide inner ring bearing.

These units provide very compact, efficient support for adjustable shaft and conveyor take-up pulleys.

These units are factory prelubricated, but a grease fitting is provided for relubrication if required.

### Bearing Data

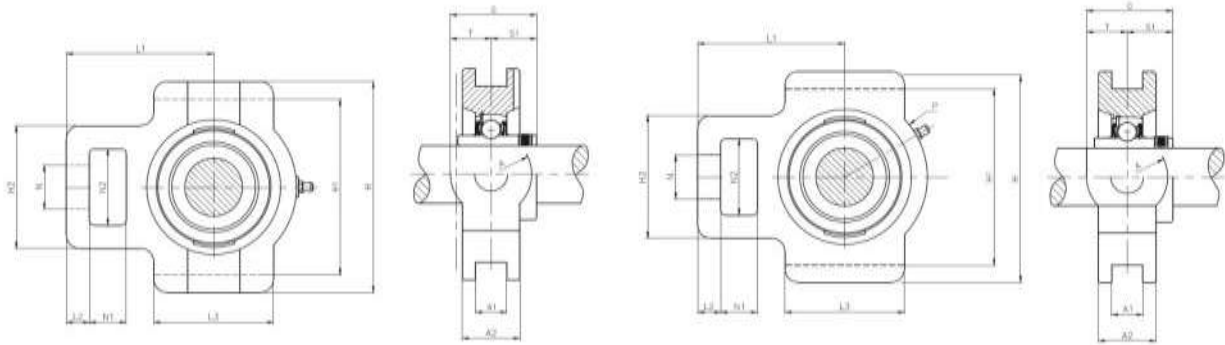
Unit	Bearing Number
YTU	GY-KRRB

Recommended shaft tolerances :  $\frac{1}{2}$ " to  $1 \frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)  
2" to  $2 \frac{3}{16}$ " , nominal to - 0.0010" (0.025mm)

To order, specify Unit and Shaft Diameter. Example: RCJT  $1 \frac{7}{16}$ "

Unit	Shaft Diam.	Basic Bearing Number	G	T	S <sub>1</sub>	A <sub>2</sub>	A <sub>1</sub>	A	L <sub>1</sub>	H <sub>2</sub>	N	N <sub>2</sub>	L <sub>2</sub>	N <sub>1</sub>	P	L <sub>1</sub>	H <sub>1</sub>	H	Bearing Number	
			in	in	in	in	in	in	in	in	in	in	in	in	in	in	in	in		in
YTU $\frac{3}{4}$	20	204	$1 \frac{3}{4}$	$1 \frac{3}{16}$	0.719	$1 \frac{1}{32}$	$\frac{17}{32}$	$1 \frac{1}{8}$	$2 \frac{21}{32}$	$2 \frac{1}{4}$	$\frac{3}{4}$	$1 \frac{1}{4}$	$\frac{1}{2}$	$\frac{5}{8}$	$1 \frac{5}{16}$	$2 \frac{1}{4}$	3	$3 \frac{3}{8}$	GY1012KRRB	
YTU 20			44.4	20.6	18.3	34.1	13.5	41.3	67.5	57.2	19	31.8	12.7	15.9	33.3	57.2	76.2	92.1	GYE20KRRB	
YTU $1 \frac{13}{16}$	25	205																	GY1013KRRB	
YTU $\frac{7}{8}$																				GY1014KRRB
YTU $1 \frac{15}{16}$			$1 \frac{15}{16}$	$\frac{7}{8}$	0.781	$1 \frac{15}{32}$	$\frac{17}{32}$	$1 \frac{3}{4}$	$2 \frac{21}{32}$	$2 \frac{1}{4}$	$\frac{3}{4}$	$1 \frac{1}{4}$	$\frac{1}{2}$	$\frac{5}{8}$	$1 \frac{3}{8}$	$2 \frac{1}{4}$	3	$3 \frac{3}{8}$	GY1015KRRB	
YTU 1			49.2	22.2	19.8	37.3	13.5	44.4	67.5	57.4	19	31.8	12.7	15.9	34.9	57.2	76.2	92.1	GY1100KRRB	
YTU 25																				GYE25KRRB
YTU $1 \frac{13}{16}M$	205	205																	GY1013MKRRB	
YTU $\frac{7}{8} M$																				GY1014MKRRB
YTU $1 \frac{15}{16}M$			1.411	0.630	0.781	0.945	0.472	1.260	2.441	2.264	0.748	1.260	0.472	0.630	1.374	2.008	2.992	3.504	GY1015MKRRB	
YTU 1M			35.83	16	19.835	24	12	32	62	57.5	19	32	12	16	34.9	51	76	89	GY1100MKRRB	
YTU 0.98425M																				GYE25MKRRB

# HOUSED UNITS



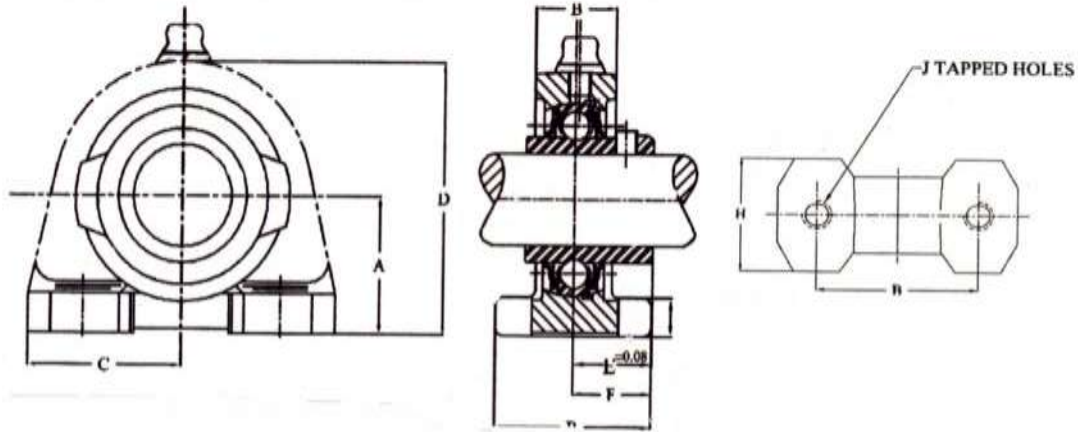
YTU...

YTU...M

Unit	Shaft Diam.	Basic Bearing Number	G	T	S <sub>1</sub>	A <sub>2</sub>	A <sub>1</sub>	A	L <sub>1</sub>	H <sub>2</sub>	N	N <sub>2</sub>	L <sub>2</sub>	N <sub>1</sub>	P	L <sub>1</sub>	H <sub>1</sub>	H	Bearing Number
			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	
YTU 1 <sup>1</sup> / <sub>16</sub>		206																	GY1101KRRB
YTU 1 <sup>1</sup> / <sub>8</sub>			2 <sup>1</sup> / <sub>16</sub>	1	0.875	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>32</sub>	2	2 <sup>2</sup> / <sub>32</sub>	2 <sup>1</sup> / <sub>16</sub>	7 <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	1/2	5/8	1 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>8</sub>	GY1102KRRB
YTU 1 <sup>3</sup> / <sub>16</sub>			52	25.4	22.2	38.1	13.5	50.8	72.2	61.9	22.2	36.5	12.7	15.9	41.3	63.5	88.9	104.8	GY1103KRRB
YTU 30																			
YTU 1 <sup>1</sup> / <sub>4</sub>		207																	GY1104KRRB
YTU 1 <sup>5</sup> / <sub>16</sub>			2 <sup>5</sup> / <sub>32</sub>	1	1.017	1 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>32</sub>	2	2 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	7 <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	1/2	5/8	1 <sup>5</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>8</sub>	GY1105KRRB
YTU 1 <sup>3</sup> / <sub>8</sub>			54.7	25.4	25.8	36.5	13.5	50.8	74.6	63.5	22.2	36.5	12.7	15.9	49.2	69.8	88.9	104.8	GY1106KRRB
YTU 1 <sup>7</sup> / <sub>16</sub>																			
YTU 35																			GYE35KRRB
YTU 1 <sup>1</sup> / <sub>2</sub>		208	62.7	32.5	30.2	44.4	17.5	65.1	88.1	82.6	28.6	49.2	15.9	19	53.2	82.6	100.8	120.6	GY1108KRRB
YTU 40																			
YTU 1 <sup>5</sup> / <sub>8</sub>		209																	GY1110KRRB
YTU 1 <sup>11</sup> / <sub>16</sub>			2 <sup>9</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>32</sub>	1.188	1 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>16</sub>	2 <sup>9</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>32</sub>	3 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	5/8	3/4	2 <sup>1</sup> / <sub>32</sub>	3 <sup>1</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>32</sub>	4 <sup>3</sup> / <sub>4</sub>	GY1111KRRB
YTU 1 <sup>3</sup> / <sub>4</sub>			65	32.5	30.2	44.4	17.5	65.1	88.1	82.6	28.6	49.2	15.9	19	53.2	82.6	100.8	120.6	GY1112KRRB
YTU 45																			
YTU 1 <sup>13</sup> / <sub>16</sub>		210																	GY1113KRRB
YTU 1 <sup>7</sup> / <sub>8</sub>			2 <sup>9</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>32</sub>	1.281	1 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	2 <sup>9</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>32</sub>	3 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	5/8	3/4	2 <sup>1</sup> / <sub>32</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>32</sub>	4 <sup>3</sup> / <sub>4</sub>	GY1114KRRB
YTU 1 <sup>15</sup> / <sub>16</sub>			65	32.5	32.5	49.2	17.5	65.1	91.3	82.6	28.6	49.2	15.9	19	59.5	85.7	100.8	120.6	GY1115KRRB
YTU 50																			
YTU 2		211																	GY1200KRRB
YTU 2 <sup>1</sup> / <sub>16</sub>			2 <sup>1</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>8</sub>	1.312	2 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>4</sub>	4 <sup>2</sup> / <sub>32</sub>	4	1 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	3/4	1 <sup>1</sup> / <sub>4</sub>	2 <sup>2</sup> / <sub>32</sub>	4	5 <sup>3</sup> / <sub>32</sub>	5 <sup>7</sup> / <sub>8</sub>	GY1201KRRB
YTU 2 <sup>1</sup> / <sub>8</sub>			71.4	34.9	33.3	55.6	27	69.8	119.9	101.6	34.9	63.5	19	31.8	69.1	101.6	129.6	149.2	GY1202KRRB
YTU 2 <sup>3</sup> / <sub>16</sub>																			
YTU 55																			GYE55KRRB
YTU 2 <sup>1</sup> / <sub>4</sub>		212	2 <sup>1</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>8</sub>	1.582	2 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>4</sub>	4 <sup>2</sup> / <sub>32</sub>	4	1 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	3/4	1 <sup>1</sup> / <sub>4</sub>	2 <sup>2</sup> / <sub>32</sub>	4	5 <sup>3</sup> / <sub>32</sub>	5 <sup>7</sup> / <sub>8</sub>	GY1204KRRB
YTU 2 <sup>7</sup> / <sub>16</sub>			74.6	34.9	39.6	52.4	27	69.8	119.9	101.6	34.9	63.5	19	31.8	69.1	101.6	129.6	149.2	GY1207KRRB

# HOUSED UNITS

## Bottom Tapped Pillow Block Cast Iron Housed Unit Setscrew Locking YAA Series Setscrew Units.



YAA series two bolt house units are furnished assembled and ready for mounting by means of two bolt from under the housing. These units are ideal for application where space is limited, access to bolts screws is from bottom of unit, loads are not severe and reversing moments are not encountered. The units are assembled with GY-KRRB bearings and setscrew locking.

These units are factory pre-lubricated, but a grease fitting is provided for re-lubrication if required.

### Bearing Data

Unit	Bearing Number
YAA	GY-KRRB

Recommended shaft tolerances :  $\frac{1}{2}$ " to 1  $\frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)  
2" to 2  $\frac{15}{16}$ " , nominal to - 0.0010" (0.025mm)

To order, specify Unit and Shaft Diameter. Example: YAA 1"

Unit	Shaft Diam.	Basic Bearing Number	A	B	C	D	E	F	G	H	I	J Tapped Hole size	Bearing Number
	in. mm		in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	mm	
YAA	$\frac{3}{4}$	204	30.2	52	76	62	18.26	18.5	20	37	8.8	M 10X1.5 13 Deep	GY1012KRRB GYE20KRRB
YAA	1	205	36.5	56	85	72	19.84	18.5	22	37	10.3	M 10X1.5 13 Deep	GY1100KRRB GYE25KRRB
YAA	$1\frac{1}{8}$	206	42.9	76.2	101.6	82.6	22.22	19	24	38	13	M 12X1.75 13 Deep	GY1102KRRB GY1106KRRB GYE30KRRB
YAA	$1\frac{3}{16}$												
YAA	30												



# HOUSED UNITS

## Mounting Instruction and Load Rating

**Note: Above radial internal clearance correspond to:**

- H(2) C2, Radial internal clearance smaller than CN
- R(0) CN, Normal radial internal clearance
- p(3) C3, Radial internal clearance greater than CN
- J(4) C4, Radial internal clearance greater than C3
- J(5) C5, Radial internal clearance greater than C4

### Self-Locking Collar Installation

Most NRB house units come equipped with the self-locking collar to facilitate the mounting of wide inner ring bearings. This self-locking collar eliminates the need for locknuts, washers, shoulders, sleeves, and adapters.

The locking collar has a counterbored recess which is made purposely eccentric to the bore. The collar recess and the end of bearing inner ring with which it engages are both machined so that they act mating cams when on the shaft.

When the collar is engaged to the inner ring, it grips the shaft tightly with a positive binding action that increases with use. No adjustments of any kind are necessary.



1. Slip that shaft through the pillow block or other housed unit which incorporate the wide inner ring bearing. Be certain the bearing is aligned in position along the shaft to eliminate any possibility of cramping loads.



2. Fasten the unit security to the base using the proper bolt size.



3. Place the self-locking collar on the with its cam adjacent to the cam on the end of the bearing's inner ring. Turn the collar in the direction of shaft rotation. The eccentric recessed cam on the bearing inner ring.



4. Using a lightweight hammer and a drift pin inserted in the drift pin hole strike in the direction of shaft rotation to positively engage the collar. The wide inner ring is now locked to the shaft.



5. As a final step, fully tighten the setscrew. It extras a wedging action to hold the collar always in the engaged position, even under shock load. This design will operate effectively after the cams are tightly locked in most cases with no setscrew at all.

### NRB Setscrew Locking Baring Installation

Step 1 and 2 can be repeated from the self locking Collar installation above. To lock the setscrew bearing, simply tighten each inner ring setscrew to the recommended torque listed by shaft size. See chart below.

Shaft Size		Recommended Torque	
inch	mm	inch lbs	n.m
1/2-11/16	17 mm	35	4
3/4-1	20-25 mm	80	9
11/16-13/4	30-45 mm	155	18
113/16-23/16	50-55 mm	275	31

It may be necessary to rotate the shaft to provide an easy access of the setscrew wrench to the setscrews.

To disassemble, loosen the setscrews.



# HOUSED UNITS

## Radial Load Ratings based on 500 Hours L10 Life

Bearing Numbers				Basic Outer Ring Size	Shaft Size		Static Load Rating C0	Extended Dynamic Load CE	Limiting Speed
Bearing Series					in	mm			
G	GRA	GY	SPECIALS			N	N	RPM	
G1008KRRB G1009KRRB G1011KRRB G1015KRRB GE17KRRB	GRA008RRB GRA009RRB GRA010RRB GRAE17RRB	GY1008KRRB GY1009KRRB GY1010KRRB GY1011KRRB GY1015KRRB GYE17KRRB		203	$\frac{1}{2}$ $\frac{9}{16}$ $\frac{5}{8}$ $\frac{11}{16}$	15 17	4700	10700	10000
G1012KRRB GE20KRRB	GRA012RRB GRAE20RRB	GY1012KRRB GYE20KRRB	RYE20KRRB	204	$\frac{3}{4}$	20	6500	14500	8750
G1013KRRB G1014KRRB G1015KRRB G1100KRRB GE25KRRB	GRA013RRB GRA014RRB GRA015RRB GRA100RRB GRAE25RRB	GY1013KRRB GY1014KRRB GY1015KRRB GY1100KRRB GYE25KRRB	BIN16297	205	$\frac{13}{16}$ $\frac{7}{8}$ $\frac{15}{16}$ 1	25	7700	15800	6850
G1101 - G1102KRRB G1103KRRB G1103KRRB3 GE30KRRB	GRA101RRB GRA102RRB GRA103RRB GRA103RRB2 GRAE30RRB	GY1101KRRB GY1102KRRB GY1103KRRB GY1103KRRB3 GYE30KRRB	RYE30KRRB	206	1 $\frac{1}{16}$ 1 $\frac{1}{8}$ 1 $\frac{3}{16}$ 1 $\frac{1}{4}$	30	11100	21800	5500
G1104KRRB G1105KRRB G1106KRRB G1107KRRB GE35KRRB	GRA104RRB GRA105RRB GRA106RRB GRA107RRB GRAE35RRB	GY1104KRRB GY1105KRRB GY1106KRRB GY1107KRRB GYE35KRRB	BIN16293, 207YY2	207	1 $\frac{1}{2}$ 1 $\frac{5}{8}$ 1 $\frac{3}{4}$ 1 $\frac{7}{8}$	35	15100	28500	4750
G1108KRRB G1109KRRB GE40KRRB	GRA108RRB GRA109RRB GRAE40RRB	GY1108KRRB GY1109KRRB GYE40KRRB	208YY2, 208KY	208	1 $\frac{1}{2}$ 1 $\frac{5}{8}$	40	19600	36300	4350
G1110KRRB G1111KRRB G1112KRRB GE45KRRB	GRA110RRB GRA111RRB GRA112RRB GRAE45RRB	GY1110KRRB GY1111KRRB GY1112KRRB GYE45KRRB	209YY2, GKE45RRB GYNE45KRRB	209	1 $\frac{3}{8}$ 1 $\frac{1}{2}$ 1 $\frac{3}{4}$	45	20000	36300	3850
G1113KRRB G1114KRRB G1115KRRB GE50KRRB	GRA113RRB GRA114RRB GRA115RRB GRA115RRB2 GRAE50RRB	GY1113KRRB GY1114KRRB GY1115KRRB GY1115KRRB3 GYE50KRRB	GKE50RRB	210	$\frac{13}{16}$ $\frac{7}{8}$ $\frac{15}{16}$ 2	50	22700	39200	3450
G1200KRRB G1201KRRB G1202KRRB G1203KRRB GE55KRRB	GRA200RRB GRA201RRB GRA202RRB GRA203RRB GRAE55RRB	GY1200KRRB GY1201KRRB GY1202KRRB GY1203KRRB GYE55KRRB		211	2 $\frac{1}{16}$ $\frac{3}{8}$ $\frac{1}{2}$	55	28500	48100	3150
G1204KRRB G1205KRRB G1206KRRB G1207KRRB GE60KRRB		GY1204KRRB GY1205KRRB GY1206KRRB GY1207KRRB GYE60KRRB		212	2 $\frac{1}{4}$ 2 $\frac{1}{2}$ 2 $\frac{3}{8}$ 2 $\frac{1}{2}$	60	35600	58800	2800
			NTL2015 NTL2019	304 -		20 25	7700 11000	12200 20400	3000 11000