

NRB
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.

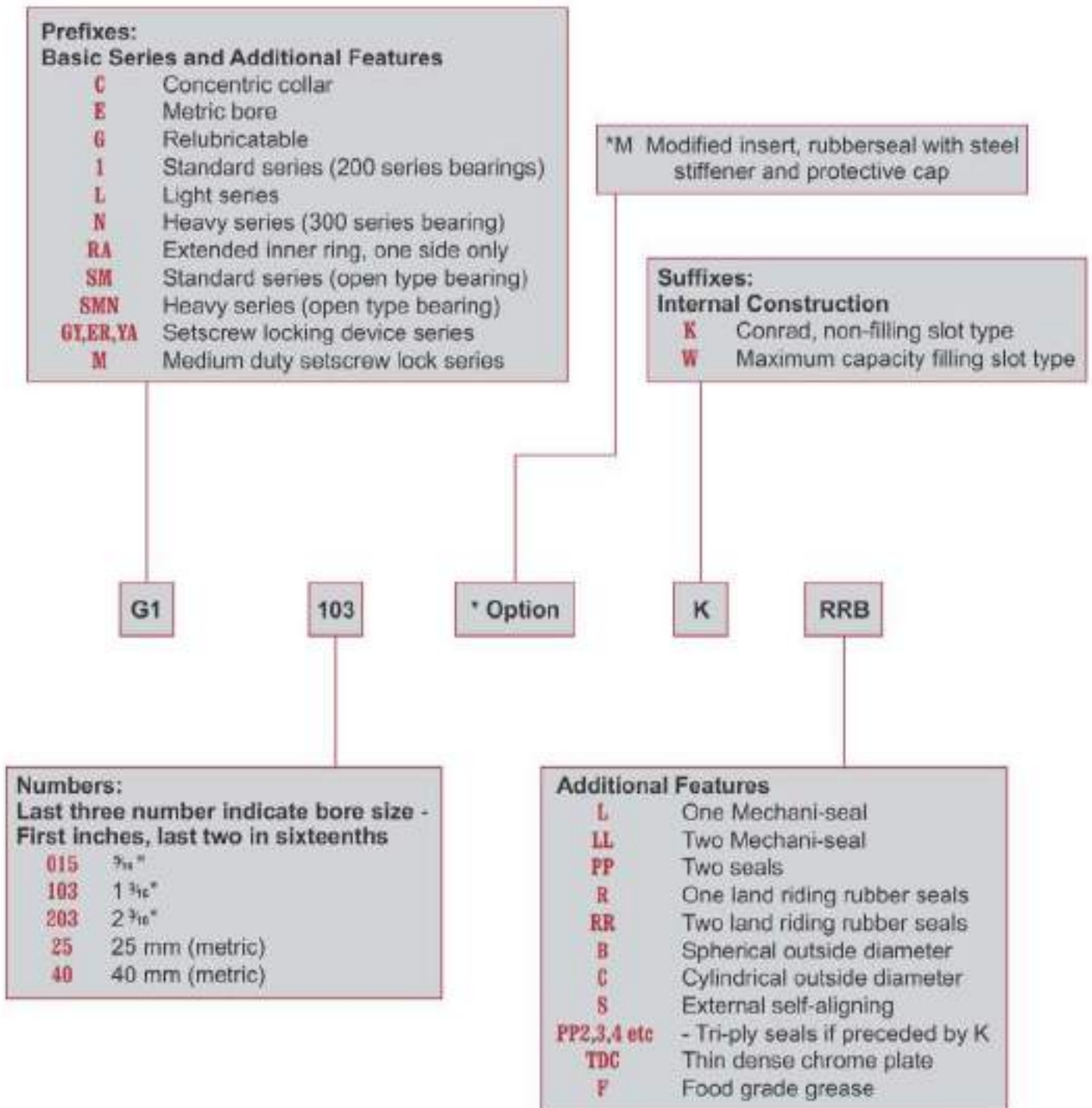
Our plants is equipped with extensive facilities for quality control. We manufacture our own tooling, special equipment in our sophisticated Tool Room. We employ the best machinery, superior quality raw materials and the latest technology for every aspect of manufacture.

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



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 $1\frac{1}{2}$ "_{nom}, nominal to -0.0005" (0.013mm)
2" to $2\frac{1}{2}$ "_{nom}, 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 ⁽¹⁾ d	O.D. D	Ring Widths		S	L	d ₁	B ₂	M	B ₁	F ₁	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	1.312 27.78	0.472 12	35.84 13.9	5/32 4.0	1 1/8 28.6	17/32 13.5	0.187 2.72	1 15/32 37.3	1.339 34.01	0.652 16.56	0.154
G1009KRRB	S1009K		$\frac{3}{8}$												0.141
G1010KRRB	S1010K		$\frac{5}{8}$												0.141
G1011KRRB	S1011K		$1\frac{1}{16}$												0.118
GE17KRRB	SE17K		17												0.118
G1012KRRB	S1012K	204	$\frac{3}{4}$	1.8504 47	1 11/32 34.13	0.551 14	43/64 17.1	5/32 4.0	1 5/16 33.3	17/32 13.5	0.135 3.43	1 23/32 43.7	1.332 38.91	0.691 17.3	0.204
GE20KRRB	SE20K		20												47
G1013KRRB	S1013K	205	$1\frac{1}{16}$	2.0472 52	1.318 34.92	0.591 15	11/8 17.5	5/32 4.0	1 1/2 38.1	17/32 13.5	0.152 3.86	1 3/8 44.4	1.779 45.19	0.656 16.66	0.286
G1014KRRB	S1014K		$\frac{7}{8}$												0.263
G1015KRRB	S1015K		$1\frac{1}{4}$												0.29
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 ⁽¹⁾ d	O.D. D	Ring Widths		S	L	d ₁	B ₁	M	B ₂	F ₁	O	Brg. & Collar Wt.
					B Inner	C Outer									
G1101	S1101K	206	1 ¹ / ₁₆	2.4409 62	17 ¹ / ₁₆ 0.709 36.51 18	23/32	5/32	147/64	5/8	0.156	129/32	2.060	0.840	0.417	
G1102KRRB	S1102K		1 ¹ / ₈												0.404
G1103KRRB	S1103K		1 ³ / ₁₆												0.376
G1103KRRB3	S1103K3		1 ¹ / ₈												0.349
GE30KRRB	SE30K		30												0.376
G1104KRRB	S1104K	207	1 ¹ / ₈	2.8346 72	131/64 0.748 37.70 19	0.742	5/32	2 1/8	43/64	0.145	2 1/64	2.384	0.856	0.653	
G1105KRRB	S1105K		1 ³ / ₁₆												0.617
G1106KRRB	S1106K		1 ¹ / ₂												0.585
G1107KRRB	S1107K		1 ⁷ / ₁₆												0.562
GE35KRRB	SE35K		35												0.585
G1108KRRB	S1108KT	208	1 ¹ / ₂	3.1496 80	1 11/16 0.827 42.86 21	27/32	3/16	2 3/8	23/32	0.16	2 7/32	2.699	0.923	0.812	
G1109KRRB	S1109KT		1 ¹⁵ / ₁₆												0.771
GE40KRRB	SE40K		40												0.771
G1110KRRB	S1110K	209	1 ⁵ / ₈	3.3456 85	1 11/16 0.866 42.86 22	27/32	3/16	2 1/2	23/32	0.179	2 7/32	2.908	1.07	0.925	
G1111KRRB	S1111K		1 ¹¹ / ₁₆												0.88
G1112KRRB	S1112K		1 ³ / ₄												0.835
GE45KRRB	SE45K		45												0.835
G1113KRRB	S1113K	210	1 ¹³ / ₁₆	3.5433 90	1 15/16 0.906 49.21 23	31/32	3/16	2 3/4	23/32	0.180	2 15/32	3.099	1.063	1.116	
G1114KRRB	S1114K		1 ³ / ₄												1.034
G1115KRRB	S1115K		1 ⁷ / ₈												1.016
GE50KRRB	SE50K		50												1.016
G1200KRRB	S1200K	211	2	3.9370 100	2 3/16 0.945 55.56 24	1 3/32	3/16	3	13/16	0.197	2 13/16	3.432	1.142	1.583	
G1201KRRB	S1201K		2 ¹ / ₁₆												1.47
G1202KRRB	S1202K		2 ¹ / ₈												1.406
G1203KRRB	S1203K		2 ³ / ₁₆												1.365
GE55KRRB	SE55K		55												1.365
G1204KRRB	S1204K	212	2 ¹ / ₈	4.3307 110	2 7/16 1.063 61.01 27	1 7/32	1/4	3 5/16	7/8	0.202	3 1/16	3.736	1.378	2.041	
G1205KRRB	S1205K		2 ³ / ₁₆												1.923
G1206KRRB	S1206K		2 ¹ / ₂												1.846
G1207KRRB	S1207K		2 ⁷ / ₁₆												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.

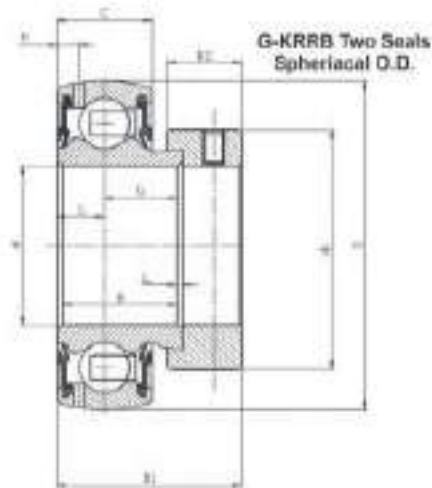
Recommended shaft tolerances : $\frac{1}{2}$ to $1\frac{1}{16}$ " nominal to -0.0005 " (0.013mm)
2" to $2\frac{15}{16}$ " nominal to -0.0010 " (0.025 mm)

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

Bearing Number	Collar Number	Basic Outer Ring Size	Bore ⁽¹⁾ d	O.D. D	Ring Widths		S	G	L	d ₁	B ₁	M	B ₂	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	0.250	0.484	5/32	1 1/8	17/32	0.187	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	0.127											
GRAE17RRB	SE17K		17											0.127											
GRA012RRB	S1012K	204	$\frac{3}{4}$	1.8504	0.864	0.591	0.250	0.540	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	0.132
GRA013RRB	S1013K	205	$\frac{13}{16}$	2.0472	0.864	0.591	0.250	0.540	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	0.200
GRA100RRB	S1100K		1											0.186											
GRAE25RRB	SE25K		25											0.186											
GRA101RRB	S1101K	206	$1\frac{1}{16}$	2.4409	0.938	0.708	0.354	0.583	5/32	1 47/64	5/8	0.194	1 13/32	0.349											
GRA102RRB	S1102K		$1\frac{1}{8}$																						
GRA103RRB	S1103K		$1\frac{3}{16}$												62	23.82	18	8.59	14.61	4.0	44.1	15.9	4.17	35.7	0.327
GRA103RRB2	S1103K		$1\frac{1}{4}$																						0.318
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



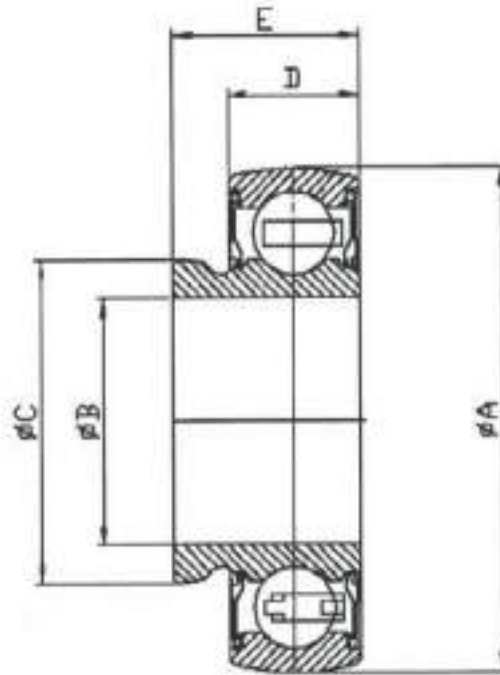
Bearing Number	Collar Number	Basic Outer Ring Size	Bore ⁽¹⁾ d	O.D. D	Ring Widths		S	G	L	d ₁	B ₁	M	B ₂	Brg. & Collar Wt.
					B Inner	C Outer								
			in. mm		in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	kg
GRA104RRB	S1104K	207	1 1/4	2.8346 72	1.880 25.4	0.748 19	0.374 9.5	0.820 15.9	5/32 4.0	2 1/2 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	298	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 5/8											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 3/4											0.760
GRA111RRB	S1111K		1 7/8											0.735
GRA112RRB	S1112K		1 5/8											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 5/8											0.830
GRA115RRB	S1115K		1 7/8											0.771
GRA115RRB2	S1115K2													0.717
GRAE50RRB	SE50K		50											0.771
GRA200RRB	S1200K	211	2	3.9370 100	1.281 32.54	0.845 24	0.472 11.99	0.800 20.55	3/16 4.8	3 76.2	1 9/16 20.6	0.193 4.9	1 29/32 46.4	0.962
GRA201RRB	S1201K		2 1/8											0.896
GRA202RRB	S1202K		2 1/4											0.857
GRA203RRB	S1203K		2 3/8											0.807
GRAE55RRB	SE55K		55											0.807

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

2)Spherical O.D. 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 $1\frac{1}{4}$ " nominal to -0.0005 " (0.013mm)
2" to $2\frac{3}{4}$ " 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	26.42
						21.44	14		
RAE 25 RRB L/C	205	0.984	25	2.047	52	0.844	0.590	1.238	31.45
						21.44	15		
RAE 30 RRB L/C	206	1.181	30	2.44	62	0.938	0.709	1.492	37.9
						23.82	18		

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.

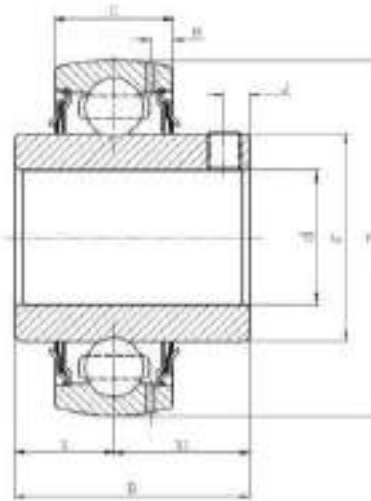
Recommended shaft tolerances : $\frac{1}{2}$ to $1\frac{1}{4}$ "_{nom}: nominal to -0.0005" (0.013mm)
2" to $2\frac{3}{4}$ "_{nom}: nominal to -0.0010" (0.025 mm)

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

Bearing Number	Basic Outer Ring Size	Bore ⁽¹⁾ d	O.D. D	Ring Widths		S	S ₁	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	$\frac{1}{2}$ $\frac{3}{16}$ $\frac{5}{8}$ $1\frac{1}{16}$ 15 17	1.5748 40	1.078 27.38	0.472 12	0.453 11.50	0.625 15.88	0.908 22.86	0.107 2.72	0.179 4.55	M5X8
GY1012KRRB GYE20KRRB	204	$\frac{3}{4}$ 20	1.8504 47	1.218 30.96	0.501 14	0.506 12.70	0.718 18.26	1.085 27.56	0.135 3.43	0.202 5.13	M5X8
GY1013KRRB GY1014KRRB GY1015KRRB GY1100KRRB GYE25KRRB	205	$1\frac{1}{16}$ $\frac{7}{8}$ $1\frac{5}{16}$ 1 25	2.0472 52	1.343 34.11	0.591 15	0.562 14.27	0.791 19.91	1.332 33.83	0.152 3.86	0.248 6.30	M6X1
GY1101KRRB GY1102KRRB GY1103KRRB GY1103KRRB3 GYE30KRRB	206	$1\frac{1}{4}$ $1\frac{1}{2}$ $1\frac{3}{4}$ $1\frac{1}{2}$ 30	2.4409 62	1.508 38.18	0.706 18	0.625 15.88	0.875 22.22	1.367 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

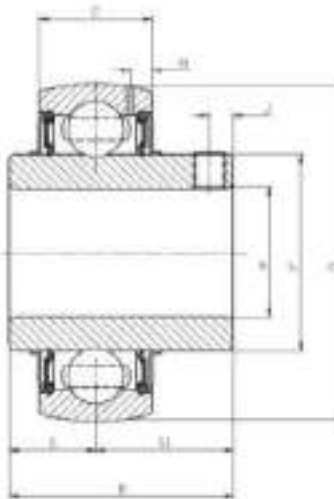


GY ...KRRB

Bearing Number	Basic Outer Ring Size	Boer ⁽¹⁾ d	O.D. D	Ring Widths		S	S ₁	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 1/4 1 5/16 1 3/4 1 7/8 35	2.8346 72	1.688 42.87	0.788 19	0.688 17.48	1.500 25.40	1.816 46.13	0.145 3.68	0.308 7.82	MEX1.25
GY1108KRRB GY1109KRRB GYE40KRRB	208	1 1/2 1 9/16 40	3.1496 80	1.900 49.22	0.627 21	0.750 19.05	1.188 30.17	2.058 52.27	0.168 4.06	0.315 8.00	MEX1.25
GY1110KRRB GY1111KRRB GY1112KRRB GYE45KRRB	209	1 5/8 1 11/16 1 3/4 45	3.3456 85	1.900 49.22	0.8681 22	0.750 19.05	1.188 30.17	2.280 57.92	0.178 4.55	0.315 8	MEX1.25
GY1113KRRB GY1114KRRB GY1115KRRB GY1115KRRB3 GYE50KRRB	210	1 13/16 1 7/8 1 15/16 2 50	3.5433 90	2.031 51.59	0.8681 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

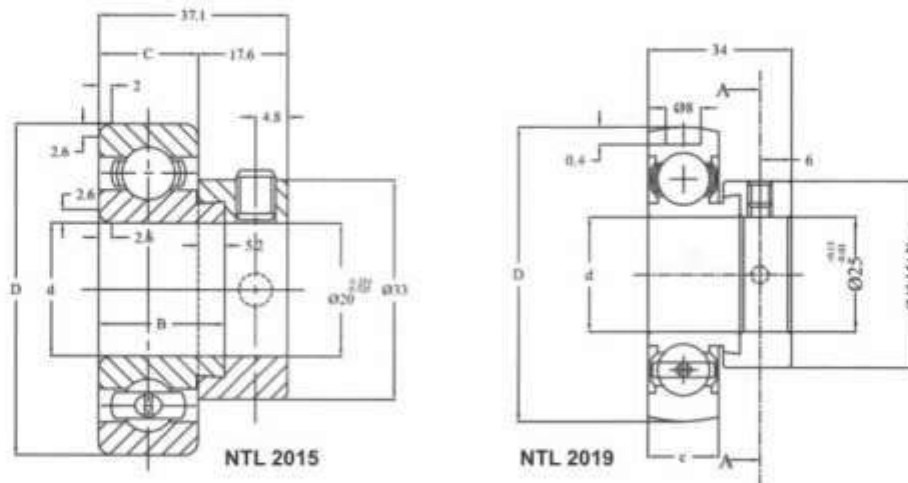


GY ...MKRRB

Bearing Number	Basic Outer Ring Size	Boer™ d	O.D. D	Ring Widths		S	S+	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 GY1201KRRB GY1202KRRB GY1203KRRB GYE55KRRB GY1200MKRRB GY1201MKRRB GY1202MKRRB GY1203MKRRB GYE55MKRRB	211	2 2 1/16 2 1/8 2 3/16 55 2 2 1/16 2 1/8 2 3/16 55	3.9370 100	2.187 55.55	0.985 24	0.875 22.22	1.312 33.32	2.747 69.77	0.197 5.00	0.394 10	M10X1.5
GY1204KRRB GY1205KRRB GY1206KRRB GY1207KRRB GYE60KRRB	212	2 1/4 2 9/16 2 3/8 2 7/16 60	4.3307 110	2.562 65.07	1.063 27	1.000 25.40	1.562 39.67	3.011 76.48	0.202 5.13	0.394 10	M10 X 1.5
GY1204MKRRB GY1205MKRRB GY1206MKRRB GY1207MKRRB GYE60KRRB	212	2 1/4 2 9/16 2 3/8 2 7/16 60	4.3307 110	2.562 65.07	1.063 27	1.000 25.40	1.562 39.67	3.011 76.48	0.202 5.13	0.394 10	M10 X 1.5
GY1208MKRRB GY1209MKRRB GYE65MKRRB	213	2 1/2 2 9/16 65	4.724 120	2.562 65.07	1.209 32	1.000 25.40	1.562 39.67	3.248 82.5	0.202 5.13	0.394 10	M10 X 1.5

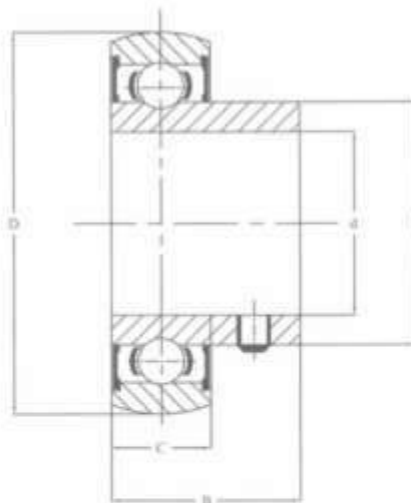
WIDE INNER RING BEARING (SPECIAL SIZE)

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	215	17	0.325	Both ends shielded

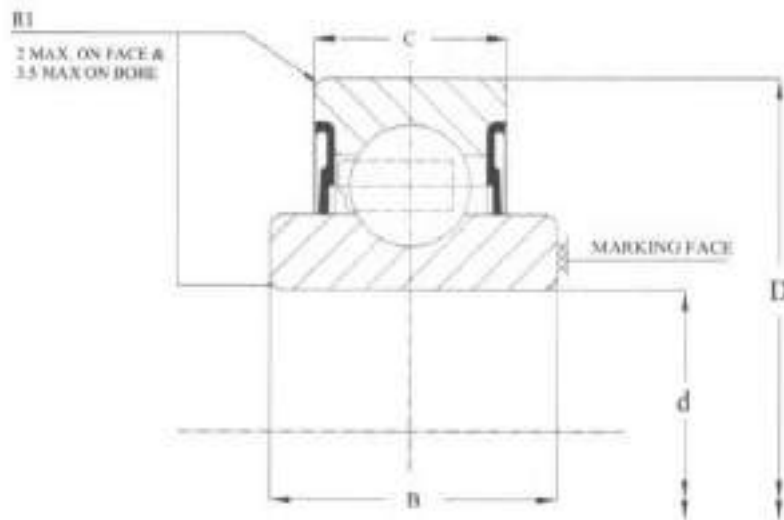
WIDE INNER RING BEARINGS ONE SIDE EXTENDED WITH SETSCREW LOCKING AND SEALED BOTH ENDS RYE- SERIES



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

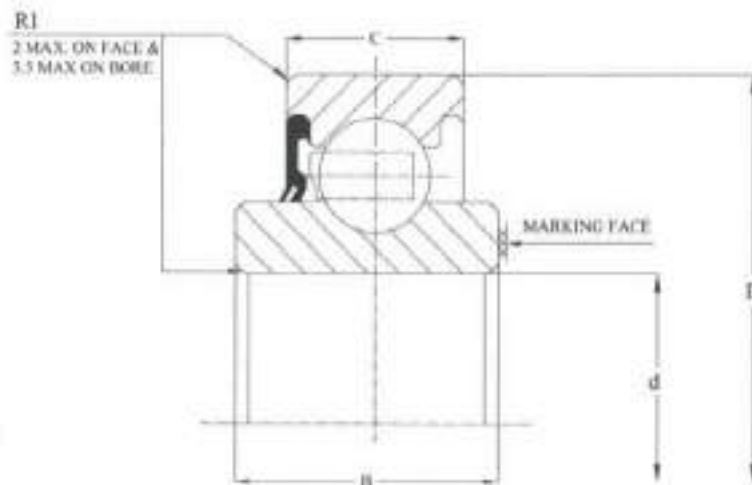
WIDE INNER RING BEARING (SPECIAL SIZE)

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

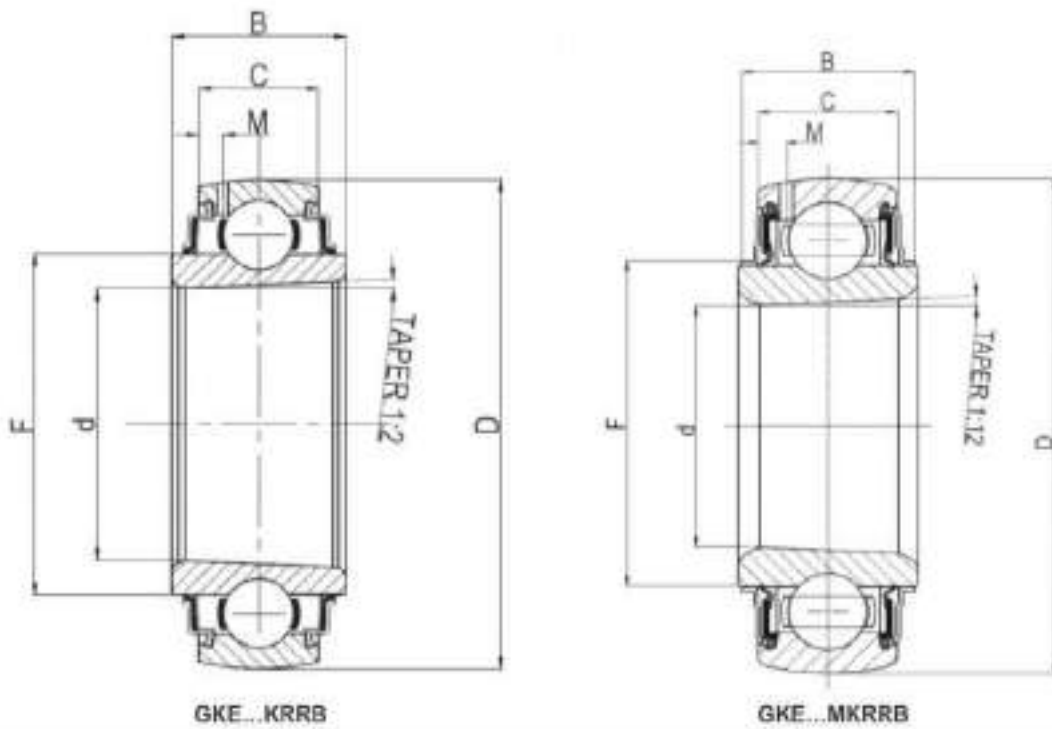
WIDE INNER RING BEARINGS BOTH SIDE EXTENDED AND ONE END



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)

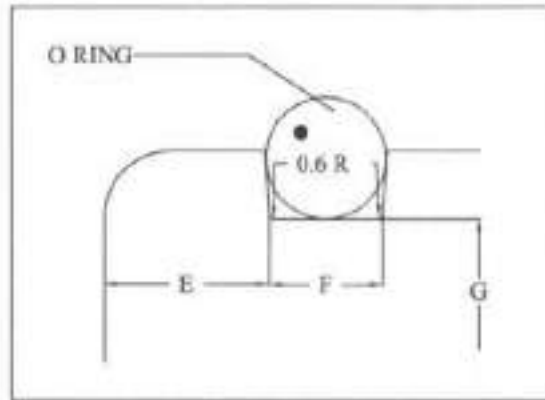
GKE- KRRB - Wide inner ring with taper bore and both end seals



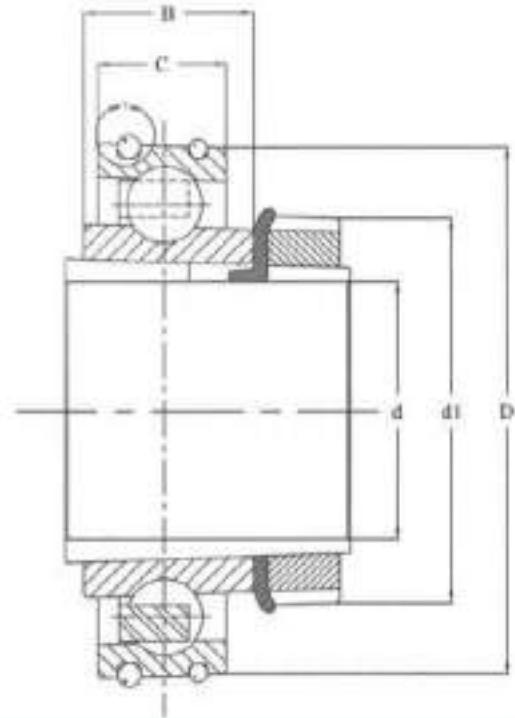
Bearing Number	Basic Outer Ring	Bore d mm	O.D. D mm	Bearing Widths		F mm	M mm	Bearing Wt. kg.
				B Inner mm	C Outer mm			
GKE40 KRRB	208	40	89	31	21	52.26	4.06	0.379
GKE45 KRRB	209	45	85	30.94	22	57.9	4.04	0.522
GKE50 KRRB	210	50	90	31.94	22	62.83	4.44	0.585
GKE 55 KRRB	211	55	100	35	24	69	5	0.678
GKE55 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 16295	30	72	52	21	17	3	2.2	69.2

Nomenclature

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

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

Y

AS

50

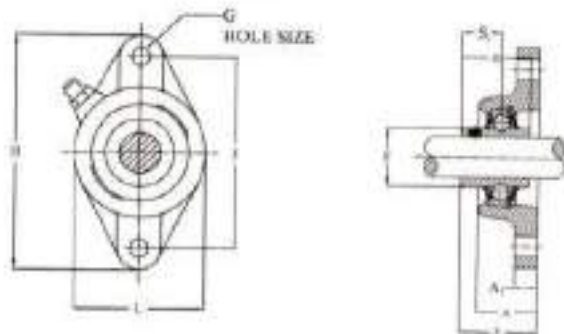
* Option

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

Bore size
Inch ½" 2 ¾"
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 $1 \frac{1}{2}$ "

Unit	Shaft Diam.	Basic Bearing Number	H	J	L	A	E	B	A ₁	F	S ₁	G Hole Size	Bearing Number
			in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm		
YT	25	205	130	99.2	68	27	35.83	34.11	13	-	19.83	16	GY1100KRRB
YT			GYE25KRRB										
YT	$1 \frac{1}{2}$	206	148	116.7	79.4	31	40.22	38.10	13	-	22.225	16	GY1102KRRB
YT			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

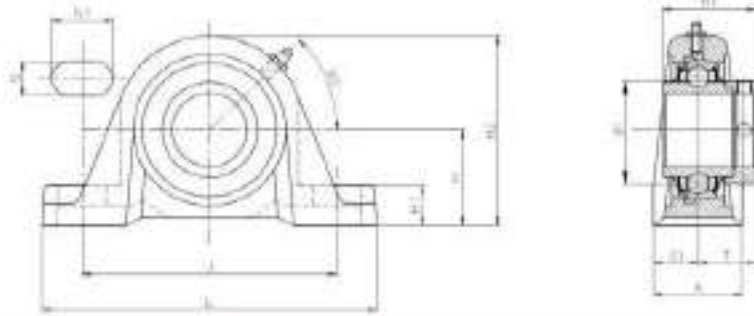
Recommended shaft tolerances : $\frac{1}{2}$ " to $1 \frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)
 2 " to $2 \frac{15}{16}$ " , nominal to - 0.0010" (0.025mm)

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

Unit	Shaft Diam.	Basic Bearing Number	H	H ₂	B ₁	J	L	A	H ₁	N	N ₁	d ₁	S ₁	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													10	G1008KRRB	S1008K	0.454			
RAS $\frac{3}{8}$																G1009KRRB	S1009K				
RAS $\frac{1}{2}$			1 $\frac{1}{8}$	2 $\frac{1}{8}$	1 $\frac{1}{4}$	3 $\frac{1}{8}$	4 $\frac{1}{8}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$		1 $\frac{1}{2}$	28.6		23.4	15.1	
RAS $\frac{11}{16}$			30.16	56.4	37.3	92.1	123.8	30.2	11.9	11.1	22.2	28.6	23.4	15.1			G1010KRRB		S1010K		
RAS 17																G1011KRRB	S1011K				
RAS $\frac{3}{4}$		204													10	G1012KRRB	S1012K	0.635			
RAS 20			1 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{3}{8}$	3 $\frac{1}{4}$	5	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$		1 $\frac{3}{4}$	19.8		33.3	26.6	15.9
RAS $\frac{13}{16}$																G1013KRRB	S1013K				
RAS $\frac{7}{8}$																G1014KRRB?	S1014K				
RAS $\frac{15}{16}$		205													10	G1015KRRB	S1015K	0.803			
RAS 1			1 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{3}{4}$	4 $\frac{1}{4}$	5 $\frac{1}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{3}{4}$		1 $\frac{3}{4}$	20.6		38.1	27	17.9
RAS 25			36.51	71.4	44.4	104.8	139.7	35.7	15.1	11.1	20.6	38.1	27	17.9			G1100KRRB		S1100K		
																GE25KRRB	SE25K				

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

HOUSED UNITS



Unit	Shaft Diam.	Basic Bearing Number	H	H ₂	B ₁	J	L	A	H ₁	N	N ₁	d ₁	S ₁	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 ¹ / ₈ RAS 1 ¹ / ₂ RAS 1 ³ / ₄ RAS 30		206	1 ¹ / ₈ 42.86	3 ¹ / ₂ 83.3	1 ¹ / ₂ 48.4	4 ¹ / ₂ 117.5	8 ¹ / ₂ 157.2	1 ¹ / ₂ 39.7	16.7	14.3	23.8	44.5	36.2	19.9	12	G1101KRRB G1102KRRB G1103KRRB GE30KRRB	S1101K S1102K S1103K SE30K	1.297
RAS 1 ¹ / ₂ RAS 1 ³ / ₄ RAS 1 ⁷ / ₈ RAS 35		207	1 ¹ / ₂ 47.62	3 ¹ / ₂ 91.7	2 ¹ / ₂ 51.2	5 ¹ / ₂ 139.2	6 ¹ / ₂ 165.7	1 ¹ / ₂ 45.2	18.3	14.3	24.6	54	32.5	22.7	12	G1104KRRB G1105KRRB G1106KRRB G1107KRRB GE35KRRB	S1104K S1105K S1106K S1107 SE35K	1.674
RAS 1 ³ / ₄ RAS 1 ⁷ / ₈ RAS 40		208	1 ³ / ₄ 49.21	3 ¹ / ₂ 90	2 ¹ / ₂ 56.4	5 ¹ / ₂ 136.5	7 ¹ / ₂ 179.4	1 ¹ / ₂ 47.6	19	14.3	26.2	80.3	34.9	23.8	12	G1108KRRB G1109KRRB GE40KRRB	S1108K S1109K SE40K	2.150
RAS 1 ⁷ / ₈ RAS 1 ¹ / ₂ RAS 1 ¹ / ₂ RAS 45		209	2 ¹ / ₂ 53.98	4 ¹ / ₂ 106.4	2 ¹ / ₂ 56.4	5 ¹ / ₂ 140.2	7 ¹ / ₂ 191.3	2 50.8	19	14.3	28.6	53.5	34.9	25.4	12	G1110KRRB G1111KRRB G1112KRRB GE45KRRB	S1110K S1111K S1112K SE45K	2.409
RAS 1 ⁷ / ₈ RAS 1 ¹ / ₂ RAS 1 ⁷ / ₈ RAS 50		210	2 ¹ / ₂ 57.15	4 ¹ / ₂ 114.3	2 ¹ / ₂ 62.7	5 ¹ / ₂ 138	7 ¹ / ₂ 200	2 ¹ / ₂ 55.8	19	17.5	23.8	89.6	36.1	27.8	16	G1113KRRB G1114KRRB G1115KRRB GE50KRRB	S1113K S1114K S1115K SE50K	3.003
RAS 2 RAS 2 ¹ / ₂ RAS 2 ¹ / ₂ RAS 2 ¹ / ₂ RAS 55		211	2 ¹ / ₂ 63.50	4 ¹ / ₂ 126.2	2 ¹ / ₂ 71.4	5 ¹ / ₂ 178.2	8 ¹ / ₂ 222.3	2 ¹ / ₂ 58.7	20.6	18.3	29.4	76.2	43.7	29.4	16	G1200KRRB G1201KRRB G1202KRRB G1203KRRB GE55KRRB	S1200K S1201K S1202K S1203K SE55K	3.901
RAS 2 ¹ / ₂ RAS 2 ¹ / ₂ RAS 2 ¹ / ₂ RAS 60		212	2 ¹ / ₂ 63.50	5 ¹ / ₂ 138.9	3 ¹ / ₂ 77.8	7 ¹ / ₂ 188.1	9 ¹ / ₂ 239.7	2 ¹ / ₂ 58.3	23.8	18.3	29.4	84.1	46.8	30.2	16	G1204KRRB G1205KRRB G1206KRRB G1207KRRB GE60KRRB	S1204K S1205K S1206K S1207K SE60K	5.511

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

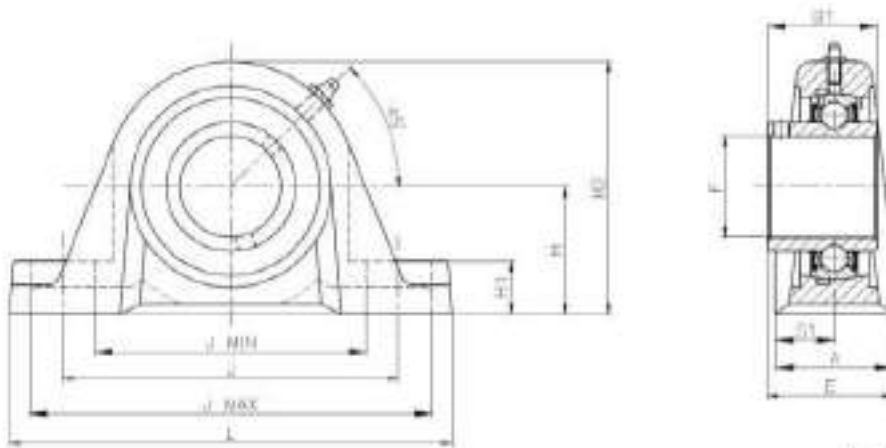
Recommended shaft tolerances : $\frac{1}{2}$ " to 1 $\frac{15}{16}$ " , nominal to - 0.0005" (0.013mm)
 2" to 2 $\frac{15}{16}$ " , nominal to - 0.0010" (0.025mm)

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

Unit	Shaft Diam.	Basic Bearing Number	H	H ₂	B ₁	L	J	J _{min}	J _{max}	A	N ₁	F	S ₁	E	Bolt Size	Bearing Number	
in.	mm		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	mm	mm		
*YAS $\frac{1}{2}$		203	$1\frac{1}{8}$ 30.16	$2\frac{1}{8}$ 56.4	$1\frac{1}{2}$ 27.4	$4\frac{1}{2}$ 123.8	$3\frac{1}{2}$ 92.1	$2\frac{1}{2}$ 69.8	$4\frac{1}{2}$ 114.4	$1\frac{1}{2}$ 39.2	$\frac{11}{32}$ 11.9	0.900	$\frac{1}{8}$ 15.9	$1\frac{1}{32}$ 30.95	10	GY1008KRRB	
YAS $\frac{3}{8}$	GY1009KRRB																
*YAS $\frac{7}{16}$	GY1010KRRB																
YAS $\frac{1}{2}$	GY1011KRRB																
*YAS 15	GYE15KRRB																
*YAS 17	GYE17KRRB																
*YAS $\frac{3}{4}$		204	$1\frac{1}{4}$ 33.34	$2\frac{1}{2}$ 64.3	$1\frac{1}{2}$ 38.9	5 127.0	$3\frac{3}{8}$ 96.0	3 76.2	$4\frac{1}{2}$ 115.8	$1\frac{1}{2}$ 31.8	$\frac{11}{32}$ 13.5	1.085	$\frac{11}{32}$ 18.3	$1\frac{1}{32}$ 34.13	10	GY1012KRRB	
*YAS 20	GYE20KRRB																
YAS $\frac{13}{16}$		205	$1\frac{1}{2}$ 36.51	$2\frac{1}{2}$ 71.4	$1\frac{3}{4}$ 34.1	$5\frac{1}{2}$ 139.7	$4\frac{1}{2}$ 104.8	$3\frac{1}{2}$ 84.1	$4\frac{3}{4}$ 125.4	$1\frac{3}{4}$ 35.7	$\frac{11}{32}$ 15.1	1.332	$\frac{11}{32}$ 19.8	$1\frac{1}{32}$ 37.7	10	GY1013KRRB	
*YAS $\frac{1}{2}$	GY1014KRRB																
*YAS $\frac{15}{16}$	GY1015KRRB																
*YAS 1	GY1100KRRB																
*YAS 25	GYE25KRRB																
YAS $1\frac{1}{8}$		206	$1\frac{1}{2}$ 42.86	$3\frac{1}{2}$ 83.3	$1\frac{1}{2}$ 38.1	$6\frac{1}{2}$ 157.2	$4\frac{1}{2}$ 117.5	$3\frac{1}{2}$ 93.7	$5\frac{1}{2}$ 141.3	$1\frac{1}{2}$ 39.7	$\frac{11}{32}$ 16.7	1.587	$\frac{1}{4}$ 22.2	$1\frac{1}{32}$ 42.07	12	GY1101KRRB	
*YAS $1\frac{1}{4}$	GY1102KRRB																
*YAS $1\frac{3}{8}$	GY1103KRRB																
*YAS $1\frac{1}{2}$	GY1103KRRB3																
*YAS 30	GYE30KRRB																

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

HOUSED UNITS

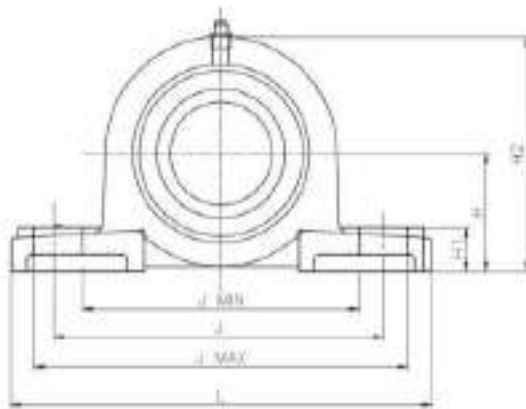


YAS...

Unit	Shaft Diam.	Basic Bearing Number	H	H ₂	B _r	L	J	J _{min}	J _{max}	A	N _i	F	S _r	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		
*YAS 1 1/4 YAS 1 1/2 *YAS 1 3/4 *YAS 1 7/8 *YAS 35		207	1 7/8 47.62	3 7/8 93.6	1 1/4 42.9	6 3/4 166.7	5 1/2 139.2	4 3/4 105.6	6 1/2 154.8	1 1/2 45.2	1 1/2 18.3	1.816 46.13	1 25.4	1 7/8 48.2	12	GY1104KRRB GY1105KRRB GY1106KRRB GY1107KRRB GYE35KRRB
*YAS 1 1/2 YAS 1 3/4 *YAS 40		208	1 7/8 49.21	3 1/4 100.0	1 1/4 49.2	7 1/4 179.4	5 1/4 136.5	4 1/4 110.3	6 1/2 162.7	1 1/2 47.6	1 1/2 19.1	2.058 52.27	1 1/2 30.2	2 1/4 53.98	12	GY1108KRRB GY1109KRRB GYE40KRRB
*YAS 1 1/2 H		208	2 1/4 53.98	4 1/4 104.8	1 1/4 49.2	7 1/4 179.4	5 1/4 136.5	4 1/4 110.3	6 1/2 162.7	1 1/2 47.6	1 1/2 19.1	2.058 52.27	1 1/2 30.2	2 1/4 53.98	12	GY1108KRRB
YAS 1 1/2 *YAS 1 1/2 *YAS 1 3/4 *YAS 45		209	2 1/4 53.98	4 1/4 106.3	1 1/4 49.2	7 1/4 191.3	5 1/4 149.2	4 1/4 120.7	7 177.8	2 50.8	1 1/2 19.1	2.280 57.92	1 1/2 30.2	2 1/4 55.56	12	GY1110KRRB GY1111KRRB GY1112KRRB GYE45KRRB
YAS 1 1/2 YAS 1 3/4 *YAS 1 1/2 *YAS 25 *YAS 50		210	2 1/4 57.15	4 1/4 114.3	2 1/4 51.6	7 1/4 200.0	6 1/4 156.0	5 1/4 132.6	7 1/4 183.4	2 1/4 55.6	1 1/2 19.1	2.474 62.84	1 1/2 32.5	2 1/4 60.33	16	GY1113KRRB GY1114KRRB GY1115KRRB GY1115KRRB GYE50KRRB
YAS 1 1/2 M YAS 1 3/4 M *YAS 1 1/2 M *YAS 2S M *YAS 1.25/50M		210	2.252 57.2	4.488 114	2.031 51.50	8.110 206	6.240 159	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 1/2" pipe thread fitting except 1/2" - 1 1/2" and 1 3/4" units which have 1/2" - 20 fitting.

HOUSED UNITS



YAS...M

Unit	Shaft Diam.	Basic Bearing Number	H	H ₂	B ₁	L	J	J _{min}	J _{max}	A	N ₁	F	S ₁	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 ^{1/16} YAS 2 ^{1/8} *YAS 2 ^{3/16} *YAS 55		211	2 ^{1/8} 63.50	4 ^{1/8} 126.2	2 ^{1/8} 55.6	8 ^{1/8} 222.3	6 ^{1/8} 176.2	5 ^{9/16} 146.9	8 ^{1/8} 205.6	2 ^{1/8} 58.7	1 ^{1/8} 20.6	2.747 69.77	1 ^{1/8} 33.3	2 ^{1/8} 61.91	16	GY1200KRRB GY1201KRRB GY1202KRRB GY1203KRRB GYE55KRRB
YAS 2M 50.8 YAS 2 ^{1/16} M *YAS 2 ^{1/8} M *YAS 2 ^{3/16} 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	2.982 60	0.906 23	2.743 69.66	1.312 33.32	2.493 62.32	16	GY1200MKRRB GY1201MKRRB GY1202MKRRB GY1203MKRRB
*YAS 1 ^{1/8} YAS 1 ^{1/16} YAS 1 ^{1/16} *YAS 2 ^{1/16} *YAS 60		212	2 ^{1/8} 69.85	5 ^{1/8} 168.9	9 ^{1/8} 65.1	9 ^{1/8} 239.7	7 ^{1/2} 188.1	6 ^{1/8} 158.8	8 ^{1/8} 217.5	2 ^{1/8} 60.3	1 ^{1/8} 23.8	3.011 76.48	1 ^{1/8} 39.7	1 ^{1/8} 69.85	16	GY1204KRRB GY1205KRRB GY1206KRRB GY1207KRRB GYE60KRRB
*YAS 1 ^{1/8} M YAS 1 ^{1/16} M YAS 1 ^{1/16} M *YAS 2 ^{1/16} M *YAS 60M		212	2 ^{1/8} 69.85	5 ^{1/8} 168.9	9 ^{1/8} 65.07	9 ^{1/8} 239.7	7 ^{1/2} 188.1	6 ^{1/8} 158.8	8 ^{1/8} 217.5	2 ^{1/8} 60.4	1 ^{1/8} 23.8	3.011 76.48	1 ^{1/8} 39.67	1 ^{1/8} 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 1/8" - 1 1/8" and 1 1/2" units which have 1/2" - 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

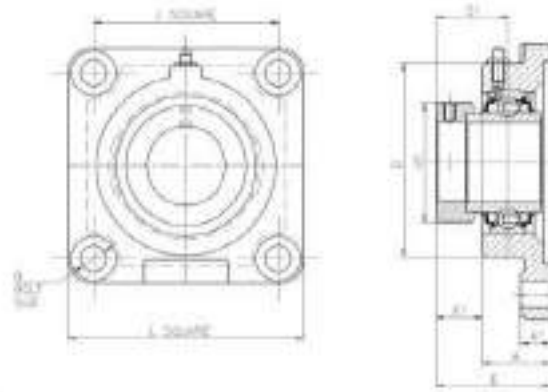
Unit	Bearing Number
RCJ	G...KRRB

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 ₁	A	E	N	E ₁	S ₁	D	d ₁	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	$\frac{11}{32}$ 24.6	$1\frac{11}{32}$ 40.1	$\frac{21}{64}$ 10.7	$\frac{25}{64}$ 13.9	$\frac{35}{64}$ 23.4	$\frac{39}{64}$ 52.4	$2\frac{1}{16}$ 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	$\frac{7}{16}$ 11.1	$1\frac{11}{32}$ 27.8	$1\frac{11}{64}$ 45.6	$\frac{21}{64}$ 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	$1\frac{11}{16}$ 40	$\frac{21}{64}$ 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	A	E	N	E	S	D	d	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			kg
RCJ 1 ¹ / ₈ RCJ 1 ¹ / ₂ RCJ 1 ³ / ₈ RCJ 30		206	4 ¹ / ₈ 107.9	3 ¹ / ₈ 82.6	1 ¹ / ₂ 13.5	1 ¹ / ₂ 30.2	1 ¹ / ₂ 50	7 ¹ / ₈ 11.5	1 ¹ / ₂ 17.5	1 ¹ / ₂ 30.2	3 76.2	1 ¹ / ₈ 44.5	G1101KRRB G1102KRRB G1103KRRB GE30KRRB	S1101K S1102K S1103K SE30K	1.302
RCJ 1 ¹ / ₂ RCJ 1 ⁵ / ₈ RCJ 1 ³ / ₄ RCJ 1 ⁷ / ₈ RCJ 35		207	4 ¹ / ₂ 117.5	3 ¹ / ₂ 92.1	1 ¹ / ₂ 13.5	1 ¹ / ₂ 34.1	2 ¹ / ₂ 53.2	7 ¹ / ₈ 13.1	1 ¹ / ₂ 19	1 ¹ / ₂ 32.5	3 ¹ / ₂ 88.9	2 ¹ / ₄ 54	G1104KRRB G1105KRRB G1106KRRB G1107KRRB GE35KRRB	S1104K S1105K S1106K S1107 SE35K	1.787
RCJ 1 ¹ / ₂ RCJ 1 ⁵ / ₈ RCJ 40		208	5 ¹ / ₂ 130.2	4 101.6	1 ¹ / ₂ 14.3	1 ¹ / ₂ 38.1	2 ¹ / ₂ 58.7	7 ¹ / ₈ 13.1	1 ¹ / ₂ 29.6	1 ¹ / ₂ 34.9	3 ¹ / ₂ 98.4	2 ¹ / ₄ 60.3	G1108KRRB G1109KRRB GE40KRRB	S1108KT S1109KT SE40K	2.291
RCJ 1 ⁵ / ₈ RCJ 1 ⁷ / ₈ RCJ 1 ³ / ₄ RCJ 45		209	5 ¹ / ₂ 136.5	4 ¹ / ₂ 104.8	1 ¹ / ₂ 14.3	1 ¹ / ₂ 38.9	2 ¹ / ₂ 58.7	7 ¹ / ₈ 13.1	1 ¹ / ₂ 19.8	1 ¹ / ₂ 34.9	4 ¹ / ₂ 104.8	2 ¹ / ₄ 63.5	G1110KRRB G1111KRRB G1112KRRB GE45KRRB	S1110K S1111K S1112K SE45K	2.585
RCJ 1 ⁵ / ₈ RCJ 1 ³ / ₄ RCJ 1 ⁵ / ₄ RCJ 50		210	5 ¹ / ₂ 142.9	4 ¹ / ₂ 111.1	1 ¹ / ₂ 14.3	1 ¹ / ₂ 42.9	2 ¹ / ₂ 65.9	7 ¹ / ₈ 17.1	1 ¹ / ₂ 23.0	1 ¹ / ₂ 38.1	4 ¹ / ₂ 112.7	2 ¹ / ₄ 69.8	G1113KRRB G1114KRRB G1115KRRB GE50KRRB	S1113K S1114K S1115K SE50K	3.016
RCJ 2 RCJ 2 ¹ / ₈ RCJ 2 ¹ / ₂ RCJ 2 ³ / ₈ RCJ 55		211	6 ¹ / ₂ 161.9	5 ¹ / ₂ 130.2	1 ¹ / ₂ 16.7	1 ¹ / ₂ 46.8	2 ¹ / ₂ 74.6	7 ¹ / ₈ 17.1	1 ¹ / ₂ 27.8	1 ¹ / ₂ 43.7	4 ¹ / ₂ 120.6	3 76.2	G1200KRRB G1201KRRB G1202KRRB G1203KRRB GE55KRRB	S1200K S1201K S1202K S1203K SE55K	3.842
RCJ 2 ¹ / ₄ RCJ 2 ⁵ / ₈ RCJ 2 ³ / ₄ RCJ 2 ⁷ / ₈ RCJ 60		212	6 ¹ / ₂ 174.6	5 ¹ / ₂ 142.9	1 ¹ / ₂ 17.5	1 ¹ / ₂ 49.2	3 ¹ / ₂ 81.0	7 ¹ / ₈ 17.1	1 ¹ / ₂ 31.8	1 ¹ / ₂ 46.8	5 ¹ / ₂ 136.5	3 ¹ / ₄ 84.1	G1204KRRB G1205KRRB G1206KRRB G1207KRRB GE60KRRB	S1204K S1205K S1206K S1207K SE60K	5.048

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

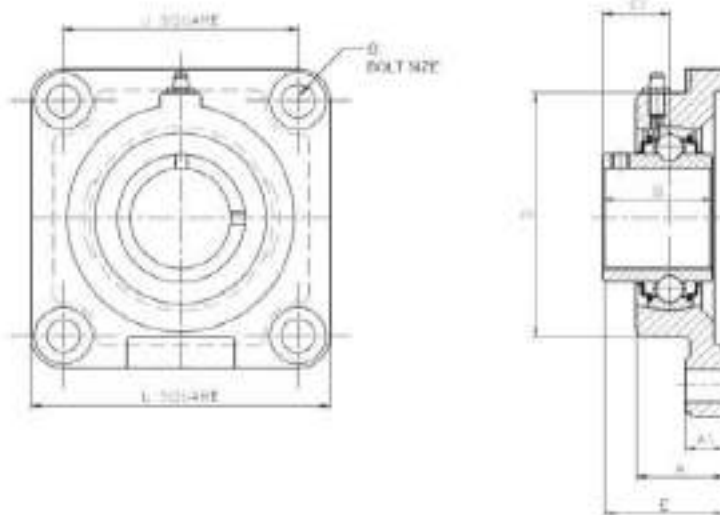
Unit	Bearing Number
YCJ	G-KRRB

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 ₁	A	E	B	D	F	S ₁	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 $1/8$ "		203	3 76.2	$2\frac{1}{8}$ 54	$\frac{3}{8}$ 9.5	$\frac{1}{2}$ 24.6	$1\frac{1}{2}$ 32.5	$1\frac{1}{8}$ 27.4	$2\frac{1}{4}$ 52.4	0.9 22.86	$\frac{1}{2}$ 15.9	10	GY1008KRRB
YCJ $3/16$ "	GY1009KRRB												
YCJ $1/4$ "	GY1010KRRB												
YCJ $5/16$ "	GY1011KRRB												
YCJ 15	GYE15KRRB												
YCJ 17	GYE17KRRB												
YCJ $3/4$ "		204	3 $\frac{1}{4}$ 85.7	$2\frac{1}{8}$ 53.5	$\frac{5}{8}$ 11.1	$1\frac{1}{2}$ 27.8	$1\frac{1}{2}$ 37.3	$1\frac{1}{2}$ 31.0	$2\frac{1}{8}$ 50.3	1.085 27.56	$\frac{1}{2}$ 18.3	10	GY1012KRRB
YCJ 20	GYE20KRRB												
YCJ $1\frac{1}{8}$ "		205	3 $\frac{1}{4}$ 85.2	$2\frac{9}{16}$ 69.8	$\frac{1}{2}$ 12.7	$1\frac{1}{2}$ 29.6	$1\frac{1}{2}$ 38.9	$1\frac{1}{2}$ 34.1	$2\frac{1}{8}$ 55.1	1.332 33.86	$\frac{1}{2}$ 19.8	10	GY1013KRRB
YCJ $1\frac{1}{4}$ "	GY1014KRRB												
YCJ $1\frac{3}{8}$ "	GY1015KRRB												
YCJ 1 25	GY1100KRRB												
YCJ 25MS	GYE25KRRB												

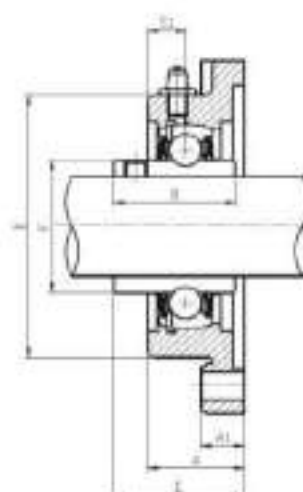
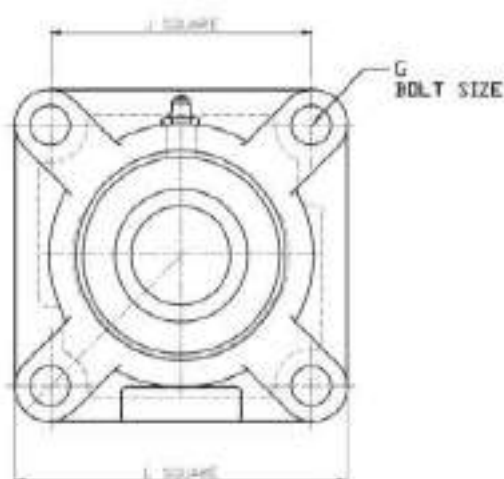
HOUSED UNITS



YCJ...

Unit	Shaft Diam.	Basic Bearing Number	L	J	A ₁	A	E	B	D	F	S ₁	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 1 ¹ / ₈ YCJ 1 ¹ / ₈ YCJ 1 ¹ / ₈ YCJ 1 ¹ / ₈ S 30 YCJ 30MB		206	4 ¹ / ₈ 107.9	3 ¹ / ₈ 82.6	1 ¹ / ₈ 13.5	1 ¹ / ₈ 30.2	1 ⁷ / ₈ 42.1	1 ¹ / ₂ 38.1	3 76.2	1.587 40.31	1 ¹ / ₂ 22.2	10	GY1101KRRB GY1102KRRB GY1103KRRB GY1103KRRB3 GYE30KRRB
YCJ 1 ¹ / ₄ YCJ 1 ¹ / ₄ YCJ 1 ¹ / ₄ YCJ 1 ¹ / ₄ S 30 YCJ 30MB		207	4 ¹ / ₄ 117.5	3 ¹ / ₄ 92.1	1 ¹ / ₄ 13.5	1 ¹ / ₄ 34.1	1 ¹ / ₂ 46.0	1 ¹ / ₂ 42.9	3 ¹ / ₄ 88.9	1.816 46.13	1 25.4	12	GY1104KRRB GY1105KRRB GY1106KRRB GY1107KRRB GYE35KRRB
YCJ 1 ¹ / ₂ YCJ 1 ¹ / ₂ YCJ 1 ¹ / ₂ YCJ 1 ¹ / ₂ S 40 YCJ 40MB		208	5 ¹ / ₂ 139.2	4 101.6	1 ¹ / ₂ 14.3	1 ¹ / ₂ 38.1	2 ¹ / ₂ 54	1 ¹ / ₂ 40.2	3 ¹ / ₂ 98.4	2.058 52.27	1 ¹ / ₂ 30.2	12	GY1108KRRB GY1109KRRB GYE40KRRB GYE40KRRB
YCJ 1 ³ / ₄ YCJ 1 ³ / ₄ YCJ 1 ³ / ₄ YCJ 1 ³ / ₄ S 45 YCJ 45MB		209	5 ¹ / ₄ 138.5	4 ¹ / ₄ 104.8	1 ¹ / ₄ 14.3	1 ¹ / ₂ 38.9	2 ¹ / ₂ 54.0	1 ¹ / ₂ 49.2	4 ¹ / ₄ 104.8	2.280 57.92	1 ¹ / ₂ 30.2	12	GY1110KRRB GY1111KRRB GY1112KRRB GYE45KRRB GYE45KRRB
YCJ 1 ⁷ / ₈ YCJ 1 ⁷ / ₈ YCJ 1 ⁷ / ₈ YCJ 2S 30 YCJ 30MB YCJ		210	5 ⁷ / ₈ 142.9	4 ⁷ / ₈ 111.1	1 ¹ / ₂ 14.3	1 ¹ / ₂ 42.9	2 ¹ / ₂ 60.3	2 ¹ / ₂ 51.6	4 ⁷ / ₈ 112.7	2.474 62.84	1 ¹ / ₂ 32.5	16	GY1113KRRB GY1114KRRB GY1115KRRB GY1115KRRB2 GYE50KRRB GYE50KRRB
YCJ1 ¹ / ₂ M YCJ1 ⁷ / ₈ M YCJ1 ¹ / ₂ M YCJ 2S 50M		210	5.629 143	4.370 111	0.6299 16	1 ⁷ / ₈ 42.9	2.149 54.0	2.031 51.6	4.330 112.7	2.474 62.84	1.283 32.6	16	GY1113MKRRB GY1114MKRRB GY1115MKRRB GY55MKRRB

HOUSED UNITS



YCJ...M

Unit	Shaft Diam.	Basic Bearing Number	L	J	A ₁	A	E	B	D	F	S ₁	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	6 7/8 161.9	52 7/8 130.2	7 7/8 16.7	1 7/8 46.8	2 7/8 64.3	2 7/8 55.5	4 7/8 120.7	2.743	1.312	16	GY1200KRRB
YCJ 2 7/16	GY1201KRRB												
YCJ 2 1/2	GY1202KRRB												
YCJ 2 3/8	GY1203KRRB												
YCJ 55	GYE55KRRB												
YCJ 2 M		211	6.378 162	5.118 130	0.709 18	1.654 42	2.296 58.32	2.187 55.545	4 3/4 120.7	2.743	1.312	19	GY1200MKRRB
YCJ 2 7/16 M	GY1201MKRRB												
YCJ 2 1/2 M	GY1202MKRRB												
YCJ 2 3/8 M	GY1203MKRRB												
YCJ 55M	GYE55MKRRB												
YCJ 2 M		211	6.378 162	5.118 130	0.709 18	1.654 42	2.296 58.32	2.187 55.545	4 3/4 120.7	2.743	1.312	19	GY1200MKRRB
YCJ 2 7/16 M	GY1201MKRRB												
YCJ 2 1/2 M	GY1202MKRRB												
YCJ 2 3/8 M	GY1203MKRRB												
YCJ2.165 55M	GYE55MKRRB												
YCJ 2 1/4		212	6 1/8 174.6	5 1/8 142.9	7 1/8 17.5	1 3/8 49.2	2 1/8 73.8	2 1/8 65.1	5 1/8 136.5	3.011	1	16	GY1204KRRB
YCJ 2 7/16	GY1205KRRB												
YCJ 2 1/2	GY1206KRRB												
YCJ 2 3/8	GYE55KRRB												
YCJ 1/2 60		213	1.165 182	5.865 149	0.708 18	1.869 50	2.744 69.7	2.862 65.1	5.078 129	3.259	1.181	19	GYE60KRRB
YCJ 2 7/16 M	GY1208MKRRB												
YCJ 2 M	GY1209MKRRB												
YCJ 65M	GYE65MKRRB												

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

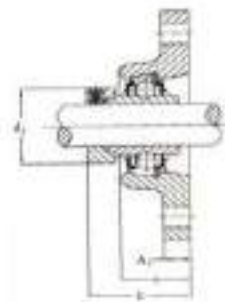
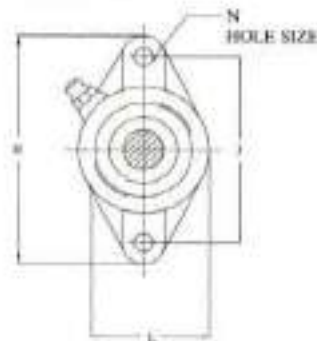
Unit	Bearing Number
RCJT	G-KRRB

Recommended shaft tolerances : $\frac{1}{8}''$ 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 ₁	d ₁	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 $\frac{1}{8}$ 98.4	3 76.2	2 $\frac{1}{2}$ 60.3	1 $\frac{1}{2}$ 27.8	2 $\frac{3}{4}$ 69.9	1 $\frac{7}{8}$ 40.1	1 $\frac{1}{2}$ 11.1	1 $\frac{1}{2}$ 28.6	G1008KRRB	S1008K	0.59
RCJT $\frac{3}{8}$											G1009KRRB	S1009K	
RCJT $\frac{7}{16}$											G1010KRRB	S1010K	
RCJT $\frac{11}{16}$											G1011KRRB	S1011K	
RCJT 17											GE17KRRB	SE17K	
RCJT $\frac{3}{4}$		204	4 $\frac{13}{32}$ 111.9	3 $\frac{11}{32}$ 89.7	2 $\frac{1}{2}$ 65.1	1 $\frac{1}{2}$ 27.8	2 $\frac{1}{2}$ 10.7	1 $\frac{11}{16}$ 45.6	1 $\frac{1}{2}$ 11.1	1 $\frac{1}{2}$ 33.3	G1012KRRB	S1012K	0.59
RCJT 20											GE20KRRB	SE20K	
RCJT $\frac{13}{16}$		205	4 $\frac{1}{2}$ 123.8	3 $\frac{11}{16}$ 89.2	2 $\frac{1}{2}$ 69.00	1 $\frac{1}{2}$ 29.0	1 $\frac{15}{16}$ 11.9	2 $\frac{11}{16}$ 45.2	1 $\frac{1}{2}$ 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 ₁	d ₁	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 ¹ / ₁₆		206									G1101KRRB	S1101K	1.09
RCJT1 ¹ / ₈			5 ¹ / ₁₆	4 ⁷ / ₁₆	3 ¹ / ₈	1 ¹ / ₈	7 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₁₆	G1102KRRB	S1102K	
RCJT1 ³ / ₁₆			141.3	116.7	79.4	31.8	11.5	99	11.9	44.1	G1103KRRB	S1103K	
RCJT1 ¹ / ₄			-----								-----	S1103K3	
RCJT 30			GE30KRRB	SE30K									
RCJT1 ¹ / ₄		207									G1104KRRB	S1104K	1.444
RCJT1 ⁵ / ₁₆			6 ¹ / ₁₆	5 ¹ / ₁₆	3 ¹ / ₈	1 ¹ / ₁₆	7 ¹ / ₁₆	2 ¹ / ₁₆	7 ¹ / ₁₆	2 ¹ / ₁₆	G1105KRRB	S1105K	
RCJT1 ³ / ₈			155.6	139.2	92.1	34.1	13.1	53.2	11.9	54	G1106KRRB	S1106K	
RCJT1 ¹ / ₂											G1107KRRB	S1107	
RCJT 35			GE35KRRB	SE35K									
RCJT 1 ¹ / ₂		208									G1108KRRB	S1108KT	2.193
RCJT 1 ⁵ / ₁₆			6 ¹ / ₁₆	5 ¹ / ₁₆	4 ¹ / ₈	1 ¹ / ₈	7 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₂	2 ¹ / ₁₆	G1109KRRB	S1109KT	
RCJT 40			171.4	143.6	104.7	38.1	13.1	58.7	12.7	60.3	GE40KRRB	SE40K	
RCJT 1 ⁵ / ₈		209									G1110KRRB	S1110K	2.379
RCJT1 ¹ / ₁₀			7 ¹ / ₁₆	5 ¹ / ₁₆	4 ¹ / ₈	1 ¹ / ₁₆	7 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₂	2 ¹ / ₁₆	G1111KRRB	S1111K	
RCJT1 ³ / ₈			179.4	148	111.1	38.90	13.1	58.7	12.7	63.5	G1112KRRB	S1112K	
RCJT 45			GE45KRRB	SE45K									
RCJT1 ¹ / ₂		210									G1113KRRB	S1113K	2.724
RCJT1 ³ / ₈			7 ¹ / ₁₆	6 ¹ / ₁₆	4 ¹ / ₈	1 ¹ / ₁₆	7 ¹ / ₁₆	2 ¹ / ₁₆	1 ¹ / ₂	2 ¹ / ₁₆	G1114KRRB	S1114K	
RCJT1 ⁵ / ₁₆			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	3.658
RCJT2 ¹ / ₁₆			8 ¹ / ₁₆	7 ¹ / ₁₆	5	1 ¹ / ₁₆	4 ¹ / ₁₆	2 ¹ / ₁₆	7 ¹ / ₁₆	3	G1201KRRB	S1201K	
RCJT2 ¹ / ₈			215.9	184.1	127	46.8	17.1	74.6	16.7	76.2	G1202KRRB	S1202K	
RCJT2 ³ / ₁₆											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

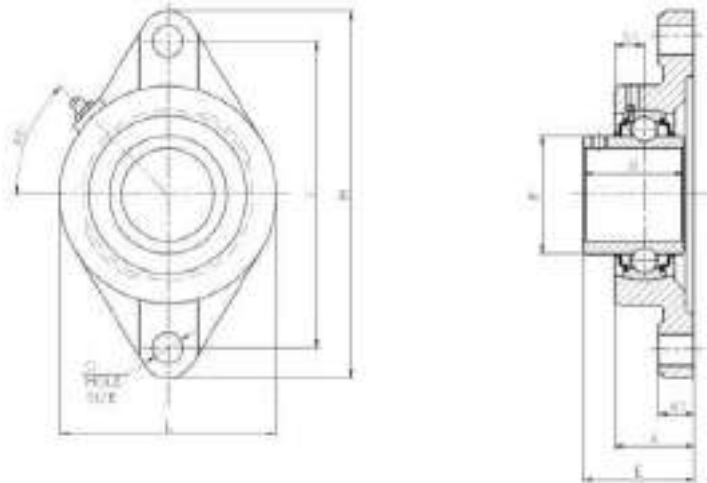
Unit	Bearing Number
YCJT	G-KRRB

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 ₁	F	S ₁	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
YCJT $\frac{1}{2}$		203										10	GY1008KRRB	
YCJT $\frac{9}{16}$													GY1009KRRB	
YCJT $\frac{5}{8}$			$3\frac{1}{8}$	3	$2\frac{1}{4}$	$\frac{7}{16}$	$1\frac{1}{2}$	$1\frac{1}{4}$	$\frac{7}{16}$	0.9	$\frac{1}{8}$			GY1010KRRB
YCJT $\frac{11}{16}$			90.4	76.2	53.9	24.6	32.5	27.4	11.1	22.66	15.9			GY1011KRRB
YCJT 15														GYE15KRRB
YCJT 17													GYE17KRRB	
YCJT $\frac{3}{4}$		204	$4\frac{1}{16}$	$3\frac{1}{16}$	$2\frac{1}{8}$	$1\frac{1}{8}$	$1\frac{1}{2}$	$1\frac{1}{4}$	$\frac{7}{16}$	1.085	$\frac{9}{16}$	10	GY1012KRRB	
YCJT 20			111.9	89.7	60.3	27.8	37.3	30.9	11.1	27.56	18.3			GYE20KRRB
YCJT $\frac{13}{16}$		205										10	GY1013KRRB	
YCJT $\frac{7}{8}$														GY1014KRRB
YCJT $\frac{15}{16}$			$4\frac{1}{8}$	$3\frac{1}{4}$	2 $\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$	$\frac{7}{16}$	1.332	$\frac{5}{16}$			GY1015KRRB
YCJT 1			123.8	96.8	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 ₁	F	S ₁	G Bolt Size	Bearing Number
in.	mm		in	in	in	in	in	in	in	in	in		
			mm	mm	mm	mm	mm	mm	mm	mm	mm		
YCJT1 1/16		206	5 5/16 141.3	4 1/2 116.7	3 1/4 79.375	1 1/2 30.2	1 7/8 42.1	1 1/2 38.1	1 1/2 11.9	1.587 40.31	7/8 22.2	10	GY1101KRRB
YCJT1 1/8	GY1102KRRB												
YCJT1 3/16	GY1103KRRB												
YCJT1 1/4	GY1103KRRB												
YCJT 30	GYE30KRRB												
YCJT1 1/4		207	6 1/4 155.8	5 1/4 130.2	3 1/2 92.1	1 1/2 34.1	1 7/8 46	1 1/2 42.9	1 1/2 11.9	1.816 46.13	1 25.4	12	GY1104KRRB
YCJT1 5/16	GY1105KRRB												
YCJT1 3/8	GY1106KRRB												
YCJT1 7/16	GY1107KRRB												
YCJT 35	GYE35KRRB												
YCJT 1/2		208	8 1/4 171.45	5 1/2 143.7	4 1/2 104.8	1 1/2 38.1	2 1/2 54	1 1/2 49.2	1/2 12.7	2.058 52.27	1 1/2 30.2	12	GY1108KRRB
YCJT 1 1/16	GY1109KRRB												
YCJT 40	GYE40KRRB												
YCJT 1 1/8		209	7 1/2 179.4	5 7/8 148.4	4 1/2 111.1	1 7/8 38.9	2 1/2 54	1 1/2 49.2	1/2 12.7	2.28 57.92	1 1/2 30.2	12	GY1110KRRB
YCJT1 11/16	GY1111KRRB												
YCJT 1 1/4	GY1112KRRB												
YCJT 45	GYE45KRRB												
YCJT1 13/16		210	7 1/2 188.9	6 1/2 157.2	4 3/4 115.9	1 7/8 42.9	2 1/2 60.3	2 1/2 51.6	3/2 12.7	2.474 62.84	1 1/2 32.5	16	GY1113KRRB
YCJT 1 3/8	GY1114KRRB												
YCJT1 15/16	GY1115KRRB												
YCJT 25	GY1115KRRB3												
YCJT 50	GYE50KRRB												
YCJT 2		211	8 1/4 215.9	7 1/4 184.2	5 127	1 7/8 46.8	2 1/2 64.3	2 1/2 55.6	2 1/2 16.7	2.747 69.77	1 1/2 33.3	16	GY1200KRRB
YCJT2 1/16	GY1201KRRB												
YCJT 2 1/8	GY1202KRRB												
YCJT2 3/8	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.

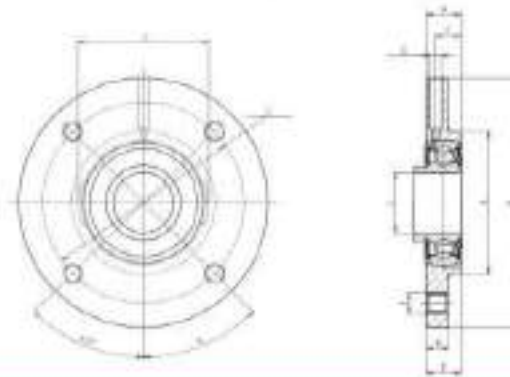
These units are factory prelubricated, but a grease fitting is provided for relubrication if required.

Bearing Data

Unit	Bearing Number
YCR	GRAE -RRB

Recommended shaft tolerances : $\frac{1}{8}$ " 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 ₁	I Mounting hole size	F	S ₁	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
			$5 \frac{9}{16}$ " 3	$1 \frac{13}{32}$ " 5	$1 \frac{1}{16}$ " 5	$7 \frac{9}{16}$ " 7	$5 \frac{7}{16}$ " 5	$1 \frac{1}{16}$ " 1	$1 \frac{3}{16}$ " 1					
YCR 40	1.574 40	208	150	89.3	13	20	14.5	5.6	27	M12-4 nos Equispaced on PCD	82	90	119	GRAE 40 RRB

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

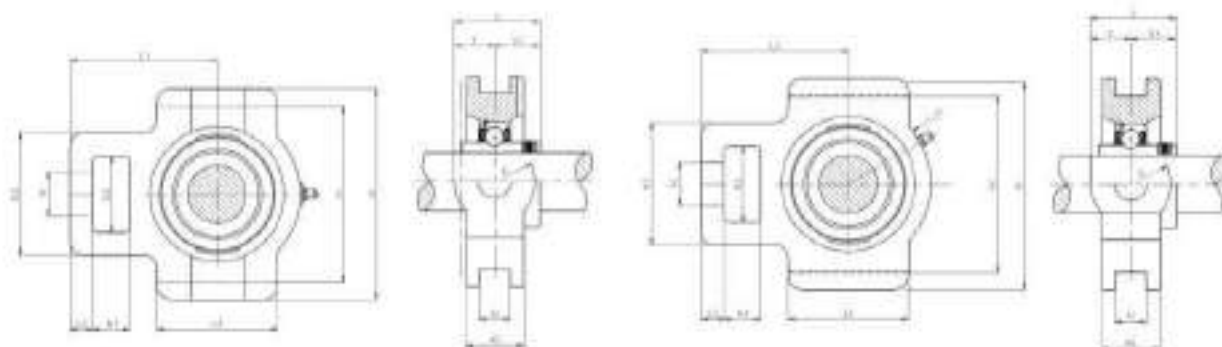
Unit	Bearing Number
YTU	GY-KRRB

Recommended shaft tolerances : $\frac{1}{8}''$ 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 ₁	A ₂	A ₁	A	L ₁	H ₂	N	N ₂	L ₂	N ₁	P	L ₁	H ₁	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 $\frac{3}{8}''$	20	204	$1 \frac{1}{8}''$	$1 \frac{1}{8}''$	0.719	$1 \frac{1}{8}''$	$1 \frac{1}{8}''$	$1 \frac{1}{8}''$	$2 \frac{1}{8}''$	$2 \frac{1}{8}''$	$\frac{3}{4}''$	$1 \frac{1}{4}''$	$\frac{1}{2}''$	$\frac{3}{4}''$	$1 \frac{1}{8}''$	$2 \frac{1}{8}''$	3	$3 \frac{1}{8}''$	GY1012KRRB	
YTU $\frac{1}{2}''$			44.4	29.6	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 $1 \frac{1}{8}''$	25	205	$1 \frac{1}{8}''$	$\frac{3}{4}''$	0.761	$1 \frac{1}{8}''$	$1 \frac{1}{8}''$	$1 \frac{1}{8}''$	$2 \frac{1}{8}''$	$2 \frac{1}{8}''$	$\frac{3}{4}''$	$1 \frac{1}{4}''$	$\frac{1}{2}''$	$\frac{3}{4}''$	$1 \frac{1}{8}''$	$2 \frac{1}{8}''$	3	$3 \frac{1}{8}''$	GY1013KRRB	
YTU $\frac{7}{8}''$																			GY1014KRRB	
YTU $1 \frac{1}{16}''$																			GY1015KRRB	
YTU 1																			GY1100KRRB	
YTU $1 \frac{1}{4}''$																			GYE25KRRB	
YTU $1 \frac{3}{8}''$ M	M	205	1.411	0.630	0.761	0.945	0.472	1.260	2.441	2.264	0.748	1.260	3.472	0.630	1.374	2.098	2.992	3.504	GY1013MKRRB	
YTU $\frac{1}{2}''$ M																			GY1014MKRRB	
YTU $1 \frac{1}{8}''$ M																			GY1015MKRRB	
YTU 1M																			GY1100MKRRB	
YTU 0.98425M																				GYE25MKRRB

HOUSED UNITS



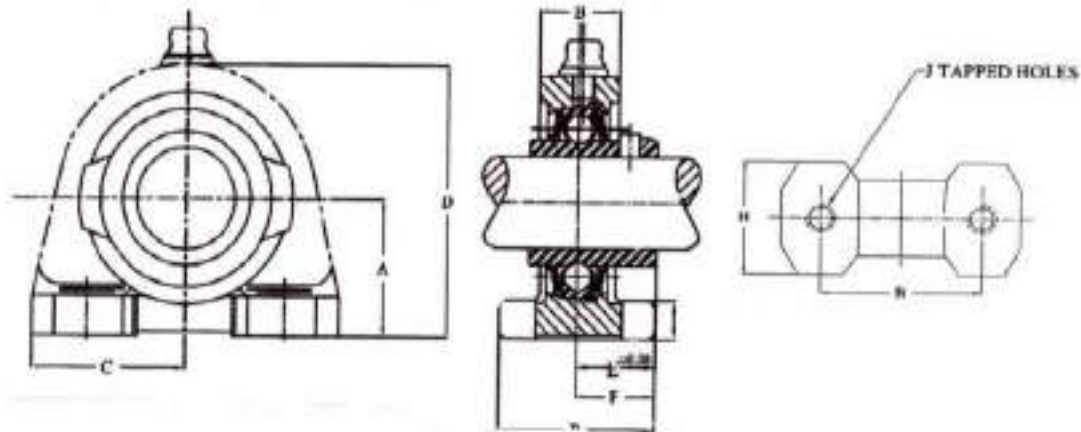
YTU...

YTU...M

Unit	Shaft Diam.	Basic Bearing Number	G	T	S ₁	A ₂	A ₁	A	L ₁	H ₂	N	N ₂	L ₂	N ₁	P	L ₁	H ₁	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		in mm	in mm
YTU 1 1/4		206	2 1/4	1	0.075	1 1/2	1 1/2	2	2 1/2	2 1/2	1/2	1 1/2	1/2	1/2	1 1/2	2 1/2	3 1/2	4 1/2		GY1101KRRB	
YTU 1 1/2			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		GY1102KRRB	
YTU 1 3/4																				GY1103KRRB	
YTU 30																				GYE35KRRB	
YTU 1 1/4		207	2 1/4	1	1.017	1 1/2	1 1/2	2	2 1/2	2 1/2	1/2	1 1/2	1/2	1/2	1 1/2	2 1/2	3 1/2	4 1/2		GY1104KRRB	
YTU 1 1/2			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		GY1105KRRB	
YTU 1 3/4																				GY1106KRRB	
YTU 1 3/8																				GY1107KRRB	
YTU 40																			GYE35KRRB		
YTU 1 1/2		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																				GYE40KRRB	
YTU 1 3/4			209	2 1/4	1 1/2	1.080	1 1/2	1 1/2	2 1/2	3 1/2	3 1/2	1 1/2	1 1/2	1/2	1/2	2 1/2	3 1/2	3 1/2	4 1/2		GY1110KRRB
YTU 1 3/8				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		GY1111KRRB
YTU 1 3/4																				GY1112KRRB	
YTU 45																				GYE45KRRB	
YTU 1 3/4		210	2 1/4	1 1/2	1.265	1 1/2	1 1/2	2 1/2	3 1/2	3 1/2	1 1/2	1 1/2	1/2	1/2	2 1/2	3 1/2	3 1/2	4 1/2		GY1113KRRB	
YTU 1 3/8			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		GY1114KRRB	
YTU 1 3/4																				GY1115KRRB	
YTU 50																				GYE50KRRB	
YTU 2		211	2 1/4	1 1/2	1.312	2 1/2	1 1/2	2 1/2	4 1/2	4	1 1/2	2 1/2	1/2	1 1/2	2 1/2	4	5 1/2	5 1/2		GY1200KRRB	
YTU 2 1/4			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		GY1201KRRB	
YTU 2 1/2																				GY1202KRRB	
YTU 2 3/4																				GY1203KRRB	
YTU 55																			GYE55KRRB		
YTU 2 1/4		212	2 1/4	1 1/2	1.562	2 1/2	1 1/2	2 1/2	4 1/2	4	1 1/2	2 1/2	1/2	1 1/2	2 1/2	4	5 1/2	5 1/2		GY1204KRRB	
YTU 2 3/4			74.6	34.9	39.6	62.4	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 : $\frac{1}{8}$ " 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
YAA	$\frac{3}{4}$	204	30.2	52	76	62	18.25	18.5	20	37	8.8	M 10X1.5 13 Deep	GY1012KRRB	
YAA	20													GYE20KRRB
YAA	1	205	36.5	56	85	72	19.84	18.5	22	37	10.3	M 10X1.5 13 Deep	GY1100KRRB	
YAA	25													GYE25KRRB
YAA	$1 \frac{1}{4}$	206	42.9	76.2	101.6	82.6	22.22	19	24	38	13	M 12X1.75 13 Deep	GY1102KRRB	
YAA	$1 \frac{3}{8}$													GY1106KRRB
YAA	30													GYE30KRRB

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	$\frac{1}{2}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$	15 17	4700	10700	10000
G1012KRRB GE20KRRB	GRA012RRB GRAE20RRB	GY1012KRRB GYE20KRRB	RYE20KRRB	204	$\frac{1}{2}$	20	6500	14500	8750
G1013KRRB G1014KRRB G1015KRRB G1100KRRB GE25KRRB	GRA013RRB GRA014RRB GRA015RRB GRA100RRB GRAE25RRB	GY1013KRRB GY1014KRRB GY1015KRRB GY1100KRRB GYE25KRRB	BIN16297	205	$\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 1	25	7700	15800	6850
G1101 - G1102KRRB G1103KRRB G1103KRRB3 GE30KRRB	GRA101RRB GRA102RRB GRA103RRB GRA103RRB2 GRAE30RRB	GY1101KRRB GY1102KRRB GY1103KRRB GY1103KRRB3 GYE30KRRB	RYE30KRRB	206	1 $\frac{1}{8}$ 1 $\frac{1}{4}$ 1 $\frac{3}{8}$ 1 $\frac{1}{2}$	30	11100	21800	5500
G1104KRRB G1105KRRB G1106KRRB G1107KRRB GE35KRRB	GRA104RRB GRA105RRB GRA106RRB GRA107RRB GRAE35RRB	GY1104KRRB GY1105KRRB GY1106KRRB GY1107KRRB GYE35KRRB	BIN16293, 207YY2	207	1 $\frac{1}{8}$ 1 $\frac{1}{4}$ 1 $\frac{3}{8}$ 1 $\frac{1}{2}$	35	15100	28500	4750
G1108KRRB G1109KRRB GE40KRRB	GRA108RRB GRA109RRB GRAE40RRB	GY1108KRRB GY1109KRRB GYE40KRRB	208YY2, 208KY	208	1 $\frac{1}{8}$ 1 $\frac{1}{4}$	40	19000	36300	4350
G1110KRRB G1111KRRB G1112KRRB GE45KRRB	GRA110RRB GRA111RRB GRA112RRB GRAE45RRB	GY1110KRRB GY1111KRRB GY1112KRRB GYE45KRRB	209YY2, GKE45RRB GYNE45KRRB	209	1 $\frac{1}{8}$ 1 $\frac{1}{4}$ 1 $\frac{3}{8}$	45	20000	36300	3850
G1113KRRB G1114KRRB G1115KRRB GE50KRRB	GRA113RRB GRA114RRB GRA115RRB GRA115RRB2 GRAE50RRB	GY1113KRRB GY1114KRRB GY1115KRRB GY1115KRRB3 GYE50KRRB	GKE50RRB	210	$\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$ 2	50	22700	39200	3450
G1200KRRB G1201KRRB G1202KRRB G1203KRRB GE55KRRB	GRA200RRB GRA201RRB GRA202RRB GRA203RRB GRAE55RRB	GY1200KRRB GY1201KRRB GY1202KRRB GY1203KRRB GYE55KRRB		211	2 $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$	55	28500	48100	3150
G1204KRRB G1205KRRB G1206KRRB G1207KRRB GE60KRRB		GY1204KRRB GY1205KRRB GY1206KRRB GY1207KRRB GYE60KRRB		212	2 $\frac{1}{8}$ 2 $\frac{1}{4}$ 2 $\frac{3}{8}$ 2 $\frac{1}{2}$ 2 $\frac{3}{4}$	60	35800	58800	2800
			NTL2015 NTL2019	304 -		20 25	7700 11000	12200 20400	3000 11000