Fafnir Housed Units

Take-up Units (ball)

TAKE UP UNITS

RTU Industrial Series

Ball bearing take-up units are used where shaft adjustment and belt-tightening devices are required, as on conveyor applications. Both types of take-up units incorporate self-aligning B type wide inner ring ball bearings with self-locking collars.

The RTU uses a G-KRRB (R-Seal) type wide inner ring bearing.

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

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

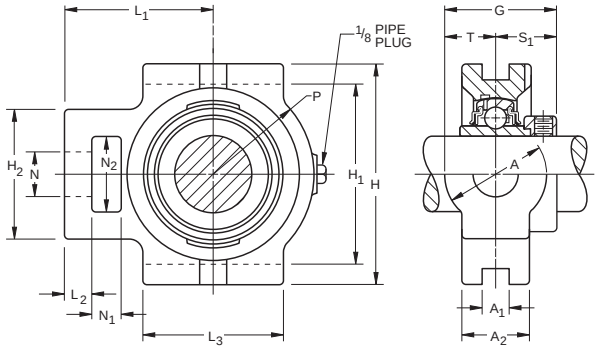
For take-up frames to fit these units, see the preceding pages.

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

Recommended shaft tolerances: 3/4"-1 15/16", nominal to -.0005", -.013mm; 2"-2 15/16", nominal to -.0010", -.025mm.

Bearing Data

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



TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: RTU 3/4" or TU 2 11/16". POPULAR SIZES IN BOLD.

Unit	Shaft Diam.	G	T	S_1	A_2	A_1	A	L_1	H_2	N	N_2	L_2	N_1	P	L_3	H_1	H	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.				lbs
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				kg
RTU	3/4	1 7/8	13/16	1 1/16	1 11/32	17/32	1 5/8	2 21/32	2 1/4	3/4	1 1/4	1/2	5/8	1 3/8	2 1/4	3	3 5/8	**G1012KRRB**	S1012K	T-18832	3.18
RTU	20	47.6	20.6	27	34.1	13.5	41.3	67.5	57.2	19	31.8	12.7	15.9	34.9	57.2	76.2	92.1	**GE20KRRB**	SE20K		1.444
RTU	7/8																	**G1014KRRB**	S1014K		
RTU	15/16	1 15/16	7/8	1 1/16	1 15/32	17/32	1 3/4	2 21/32	2 1/4	3/4	1 1/4	1/2	5/8	1 3/8	2 1/4	3	3 5/8	**G1015KRRB**	S1015K	T-18696	3.3
RTU	1	42.9	22.2	27	37.3	13.5	44.4	67.5	57.2	19	31.8	12.7	15.9	34.9	57.2	76.2	92.1	**G1100KRRB**	S1100K		1.498
RTU	25																	**GE25KRRB**	SE25K		
RTU	1 1/16																	**G1101KRRB**	S1101K		
RTU	1 1/8	2 3/16	1	1 3/16	1 1/2	17/32	2	2 15/16	2 7/16	7/8	1 7/16	1/2	5/8	1 15/16	2 1/2	3 1/2	4 1/8	**G1102KRRB**	S1102K	T-18694	4.23
RTU	1 3/16	55.6	25.4	30.2	38.1	13.5	50.8	72.2	61.9	22.2	36.5	12.7	15.9	49.2	63.5	88.9	104.8	**G1103KRRB**	S1103K		1.92
RTU	30																	**GE30KRRB**	SE30K		
RTU	1 1/4																	**G1104KRRB**	S1104K		
RTU	1 5/16	2 9/32	1	1 9/32	1 7/16	17/32	2	2 15/16	2 1/2	7/8	1 7/16	1/2	5/8	1 15/16	2 3/4	3 1/2	4 1/8	**G1105KRRB**	S1105K	T-18692	4.46
RTU	1 3/8	57.9	25.4	32.5	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	**G1106KRRB**	S1106K		2.025
RTU	1 7/16																	**G1107KRRB3**	S1107K		
RTU	35																	**GE35KRRB**	SE35K		
RTU	1 1/2	2 21/32	1 9/32	1 3/8	1 3/4	11/16	2 9/16	3 15/32	3 1/4	1 1/8	1 15/16	5/8	3/4	2 3/32	3 1/4	3 31/32	4 3/4	**G1108KRRB**	S1108KT	T-18834	7.3
RTU	1 9/16	67.5	32.5	34.9	44.4	17.5	65.1	88.1	82.6	28.6	49.2	15.9	19	53.3	82.6	100.8	120.6	**G1109KRRB**	S1109K		3.314
RTU	40																	**GE40KRRB**	SE40K		
RTU	1 5/8																	**G1110KRRB**	S1110K		
RTU	1 11/16	2 21/32	1 9/32	1 3/8	1 3/4	11/16	2 9/16	3 15/32	3 1/4	1 1/8	1 15/16	5/8	3/4	2 3/32	3 1/4	3 31/32	4 3/4	**G1111KRRB**	S1111K	T-18762	6.97
RTU	1 3/4	67.5	32.5	34.9	44.4	17.5	65.1	88.1	82.6	28.6	49.2	15.9	19	53.3	82.6	100.8	120.6	**G1112KRRB**	S1112K		3.164
RTU	45																	**GE45KRRB**	SE45K		
RTU	1 7/8	2 25/32	1 9/32	1 1/2	1 15/16	11/16	2 9/16	3 19/32	3 1/4	1 1/8	1 15/16	5/8	3/4	2 11/32	3 3/8	3 31/32	4 3/4	**G1114KRRB**	S1114K	T-18690	7.9
RTU	1 15/16	70.6	32.5	38.1	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	**G1115KRRB**	S1115K		3.587
RTU	50																	**GE50KRRB**	SE50K		
RTU	2																	**G1200KRRB**	S1201K	T-18828	13.95
RTU	2 1/8	3 1/32	1 3/8	1 23/32	2 3/16	1 1/16	2 3/4	4 23/32	4	1 3/8	2 1/2	3/4	1 1/4	2 23/32	4	5 3/32	5 7/8	**G1202KRRB**	S1202K		6.333
RTU	2 3/16	77	34.9	43.7	55.6	27	69.8	119.9	101.6	34.9	63.5	19	31.8	69.1	101.6	129.4	149.2	**G1203KRRB**	S1203K		
RTU	55																	**GE55KRRB**	SE55K		
RTU	2 1/4	3 7/32	1 3/8	1 27/32	2 1/16	1 1/16	2 3/4	4 23/32	4	1 3/8	2 1/2	3/4	1 1/4	2 23/32	4	5 3/32	5 7/8	**G1204KRRB**	S1204K	T-18830	13.2
RTU	2 3/8	81.8	34.9	46.8	52.4	27	69.8	119.9	101.6	34.9	63.5	19	31.8	69.1	101.6	129.4	149.2	**G1206KRRB**	S1206K		5.993
RTU	2 7/16																	**G1207KRRB**	S1207K		
RTU	60																	**GE60KRRB**	SE60K		

YTU Industrial 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 self-aligning B type extra wide inner ring ball bearings with self-locking collars.

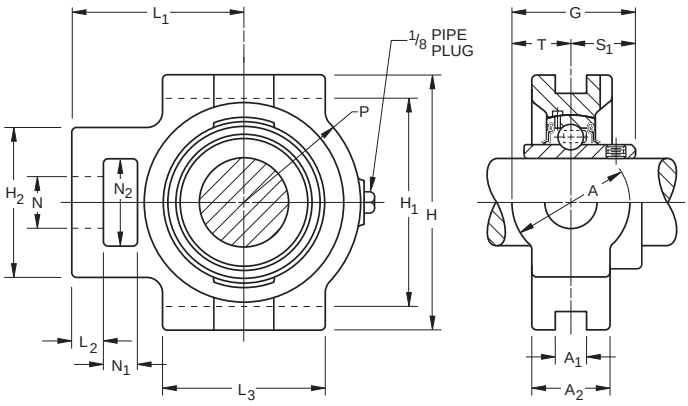
The YTU uses a GY-KRRB (Setscrew) type wide inner ring bearing.

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

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

For take-up frames to fit these units, see the preceding pages.

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



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

Bearing Data

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

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: YTU 3/4". POPULAR SIZES ARE IN BOLD.

Unit	Shaft Diam.	G	T	S_1	A_2	A_1	A	L_1	H_2	N	N_2	L_2	N_1	P	L_3	H_1	H	Bearing Number	Housing Number
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
YTU	3/4	1 3/4	13/16	0.719	1 11/32	17/32	1 5/8	2 23/32	2 1/4	3/4	1 1/4	1/2	5/8	1 5/16	2 1/4	3	3 5/8	**GY1012KRRB**	T-18832
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	7/8																	**GY1014KRRB**	T-18696
YTU	15/16	1 15/16	7/8	0.781	1 15/32	17/32	1 3/4	2 23/32	2 1/4	3/4	1 1/4	1/2	5/8	1 3/8	2 1/4	3	3 5/8	**GY1015KRRB**	
YTU	1	49.2	22.2	19.8	37.3	13.5	44.4	67.5	57.2	19	31.8	12.7	15.9	34.9	57.2	76.2	92.1	**GY1100KRRB**	
YTU	**25**																	**GYE25KRRB**	
YTU	1 1/8	2 1/16	1	0.875	1 1/2	17/32	2	2 27/32	2 7/16	7/8	1 7/16	1/2	5/8	1 5/8	2 1/2	3 1/2	4 1/8	**GY1102KRRB**	T-18694
YTU	1 3/16	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**																	**GYE30KRRB**	
YTU	1 1/4	2 5/32	1	1.017	1 7/16	17/32	2	2 15/16	2 1/2	7/8	1 7/16	1/2	5/8	1 15/16	2 3/4	3 1/2	4 1/8	**GY1104KRRB**	T-18692
YTU	1 3/8	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 7/16																	**GY1107KRRB3**	
YTU	**35**																	**GYE35KRRB**	
YTU	1 1/2	2 9/16	1 9/32	1.188	1 3/4	11/16	2 9/16	3 15/32	3 1/4	1 1/8	1 15/16	5/8	3/4	2 3/32	3 1/4	3 31/32	4 3/4	**GY1108KRRB**	T-18834
YTU	**40**	65	32.5	30.2	44.4	17.5	65.1	88.1	82.6	28.6	49.2	15.9	19	53.3	82.6	100.8	120.6	**GYE40KRRB**	
YTU	1 5/8																	**GY1110KRRB**	
YTU	1 11/16	2 9/16	1 9/32	1.188	1 3/4	11/16	2 9/16	3 15/32	3 1/4	1 1/8	1 15/16	5/8	3/4	2 3/32	3 1/4	3 31/32	4 3/4	**GY1111KRRB**	T-18762
YTU	1 3/4	65	32.5	30.2	44.4	17.5	65.1	88.1	82.6	28.6	49.2	15.9	19	53.3	82.6	100.8	120.6	**GY1112KRRB**	
YTU	**45**																	**GYE45KRRB**	
YTU	1 15/16	2 9/16	1 9/32	1.281	1 15/16	11/16	2 9/16	3 19/32	3 1/4	1 1/8	1 15/16	5/8	3/4	2 11/32	3 3/8	3 31/32	4 3/4	**GY1115KRRB**	T-18690
YTU	1 **50**	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	**GYE50KRRB**	
YTU	2 3/16	2 13/16	1 3/8	1.312	2 3/16	1 1/16	2 3/4	4 23/32	4	1 3/8	2 1/2	3/4	1 1/4	2 23/32	4	5 3/32	5 7/8	**GY1203KRRB**	T-18828
YTU	**55**	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	129.4	149.2	**GYE55KRRB**	
YTU	2 1/4	2 15/16	1 3/8	1.562	2 1/16	1 1/16	2 3/4	4 23/32	4	1 3/8	2 1/2	3/4	1 1/4	2 23/32	4	5 3/32	5 7/8	**GY1204KRRB**	T-18830
YTU	2 7/16	74.6	34.9	39.7	52.4	27	69.8	119.9	101.6	34.9	63.5	19	31.8	69.1	101.6	129.4	149.2	**GY1207KRRB**	

VTU Standard Series

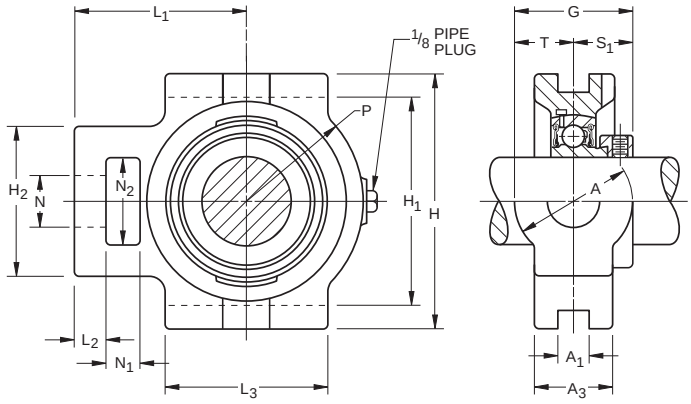
Ball bearing take-up units are used where shaft adjustment and belt tightening devices are required, as on conveyor applications.Both types of take-up units incorporate self-aligning B type wide inner ring ball bearings with self-locking collars.

The VTU uses a GRA-RRB (R-Seal) type wide inner ring bearing.

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

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

For take-up frames to fit these units, see the preceding pages.



Bearing Data

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

Recommended shaft tolerances: ¾"-1 15/16", nominal to -.0005", -.013mm;
2"-2 15/16", nominal to -.0010", -.025mm.

TO ORDER, SPECIFY UNIT AND SHAFT DIAMETER. Example: VTU ¾" or TU 2 11/16". POPULAR SIZES ARE IN BOLD.

Unit	Shaft Diam.	G	T	S_1	A_2	A_1	A	L_1	H_2	N	N_2	L_2	N_1	P	L_3	H_1	H	Bearing Number	Collar Number	Housing Number	Unit Wt.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.				lbs
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm				kg
VTU	¾	1 ¾	13/16	15/16	1 11/32	17/32	1 5/8	2 21/32	2 ¼	¾	1 ¼	½	5/8	1 5/16	2 ¼	3	3 3/8	**GRA012RRB**	S1012K	T-18832	3.02
VTU	20	44.2	20.6	23.4	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	**GRAE20RRB**	SE20K		1.372
VTU	⅞																	**GRA014RRB**			
VTU	15/16	1 13/16	⅞	15/16	1 15/32	17/32	1 ¾	2 21/32	2 ¼	¾	1 ¼	½	5/8	1 ⅜	2 ¼	3	3 3/8	**GRA015RRB**	S1015K	T-18696	3.21
VTU	1	45.6	22.2	23.4	37.3	13.5	44.4	67.5	57.2	19	31.8	12.7	15.9	34.9	57.2	76.2	92.1	**GRA100RRB**	S1100K		1.458
VTU	25																	**GRAE25RRB**	SE25K		
VTU	1 ⅛	2 1/16	1	1 3/64	1 ½	17/32	2	2 27/32	2 7/16	⅞	1 7/16	½	5/8	1 5/8	2 ½	3 ½	4 ⅛	**GRA102RRB**	S1102K	T-18694	4.10
VTU	1 3/16	52	25.4	26.7	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	**GRA103RRB**	S1103K3		1.862
VTU	30																	**GRAE30RRB**	SE30K		
VTU	1 ¼																	**GRA104RRB**	S1104K		
VTU	1 ⅜	2 5/32	1	15/32	1 7/16	17/32	2	2 15/16	2 ½	⅞	1 7/16	½	5/8	1 15/16	2 ¾	3 ½	4 ⅛	**GRA106RRB**	S1106K	T-18692	4.30
VTU	1 7/16	54.7	25.4	29.4	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	**GRA107RRB**	S1107K		1.953
VTU	35																	**GRAE35RRB**	SE35K		
VTU	1 ½	2 9/16	1 9/32	1 3/32	1 ¾	11/16	2 9/16	3 15/32	3 ¼	1 ⅛	1 15/16	5/8	¾	2 3/32	3 ¼	3 31/32	4 ¾	**GRA108RRB**	S1108KT	T-18834	7.03
VTU	40	65	32.5	32.5	44.4	17.5	65.1	88.1	82.6	28.6	49.2	15.9	19	53.3	82.6	100.8	120.6	**GRAE40RRB**	SE40K		3.192
VTU	1 5/8																	**GRA110RRB**	S1110K		
VTU	1 11/16	2 9/16	1 9/32	1 3/32	1 ¾	11/16	2 9/16	3 15/32	3 ¼	1 ⅛	1 15/16	5/8	¾	2 3/32	3 ¼	3 31/32	4 ¾	**GRA111RRB**	S1111K	T-18762	6.63
VTU	1 ¾	65	32.5	32.5	44.4	17.5	65.1	88.1	82.6	28.6	49.2	15.9	19	53.3	82.6	100.8	120.6	**GRA112RRB**	S1112K		3.009
VTU	45																	**GRAE45RRB**	SE45K		
VTU	1 ⅞	2 9/16	1 9/32	1 9/32	1 15/16	11/16	2 9/16	3 19/32	3 ¼	1 ⅛	1 15/16	5/8	¾	2 11/32	3 ⅜	3 31/32	4 ¾	**GRA114RRB**	S1114K	T-18690	7.36
VTU	1 15/16	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	**GRA115RRB**	S1115K		3.342
VTU	50																	**GRAE50RRB**	SE50K		
VTU	2	2 13/16	1 ⅜	1 7/16	2 5/16	1 1/16	2 ¾	4 23/32	4	1 ⅜	2 ½	¾	1 ¼	2 23/32	4	5 3/32	5 ⅞	**GRA200RRB**	S1200K	T-18828	12.73
VTU	2 3/16	71.4	34.9	36.5	55.6	27	69.8	119.9	101.6	34.9	63.5	19	31.8	69.1	101.6	129.4	149.2	**GRA203RRB**	S1203K		5.784
VTU	55																	**GRAE55RRB**	SE55K		