



## **Our Warranty, Your Satisfaction.**

Since 2001, GRB Bearings, a 100% Canadian family owned company, has been a successful bearing supplier to distributors and OEMs across Canada. Our bearings are mainly imported from carefully selected manufacturers in China, and are made according to the international "ISO" quality control system, and under the minimum "ABEC 1" precision standard. Our confidence in our product is such, that we offer the best warranty in the industry.

If you are not totally satisfied with the quality of the bearings imported and manufactured under license for GRB, we will take them back (some conditions apply).

We are making it our duty to offer quality products to our customers; however, if an item happens to be defective, we will replace the product under the following conditions:

- The warranty is limited to the replacement or, at our discretion, the emission of a credit note. No other claims such as labour, loss or damage will be accepted and/or reimbursed
- The warranty is limited to 90 days from date of invoice
- Abusive usage, improper installation and/or inadequate maintenance render this warranty null and void
- GRB reserves the right to verify the proper installation of the material in question
- All parts must be returned prepaid to GRB



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## Disclaimer

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**Some sizes may not be available at the time of your order or might require a minimum quantity. Please check with your representative before making a definitive selection.**

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# Technical Section

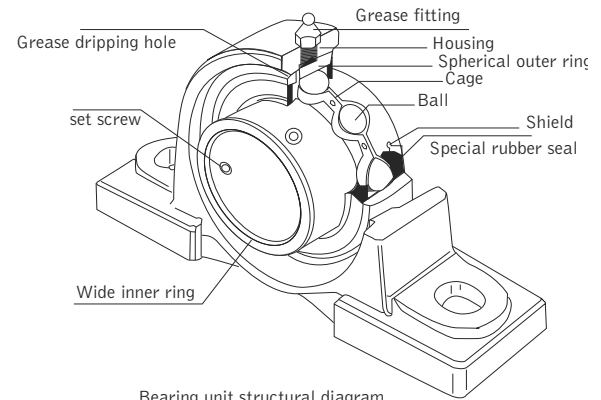
Housings Inserts		Cast Iron Units								
		P - PX	PE	LP	PA - TB	F - FX - FU	FL - FLU - FT	LF	FD - FW	C
	UC UCX	UCP UCPX	UCPE		UCA UCTB	UCF UCFX	UCFL UCFT			UCC
	UK	UKP	UKPE		UKA UKTB	UKF	UKFL UKFT			UKC
	SA SA-G	SAP SAP-G		SALP SALP-G				SALF - G	SAFD SAFW	
	SB SB-G	SBP SBP-G		SBLP SBLP-G				SBLF - G	SBFD SBFW	
	HC	HCP	HCPE		HCA HCTB	HCFU	HCFLU			HCC
	GC	GCP	GCPE		GCA GCTB	GCF	GCFL GCFT			GCC

HOUSINGS INSERTS		Cast Iron Units				Malleable Ductile Units		Pressed Steel Units		
		FC	T - ST	FB - FK	HA	FCT	PFTD	PP	PFL	PF
	UC UCX	UCFC	UCT UCST	UCFB UCFK	UCHA					
	UK	UKFC	UKT UKST	UKFB UKFK	UKHA					
	SA SA-G					SAFCT	SAPFTD	SAPP	SAPFL	SAPF
	SB SB-G					SBFCT	SBPFTD	SBPP	SBPFL	SBPF
	HC	HCFC	HCT HCST	HCFB HCFK	HCHA					
	GC	GCFC	GCT GCST	GCFB GCFK	GCHA					



The following pages will show many mounting arrangements of bearings with their housing. Essentially, a mounted unit consists of a double sealed ball bearing mounted in a cast iron or pressed steel housing.

The outer ring of the bearing is spherical and fits in a machined housing, permitting self alignment between the two members, thus compensating for misalignment of the units resulting from errors during mounting and distortions of the foundation.

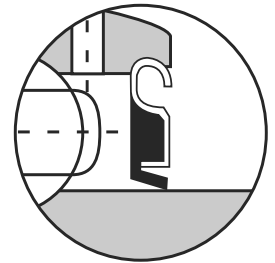


Bearing unit structural diagram

## Single Seals

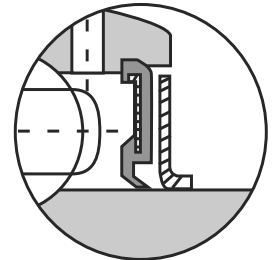
### Single Seals

Light duty inserts of series SA, CSA, SB and CSB are equipped with these seals, consisting of a single lip rubber seal bonded to a metal shield.



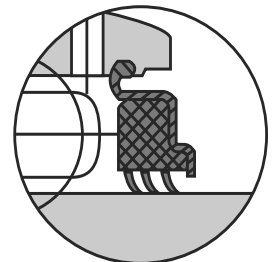
### Dual Seals

As a standard, GRB stocks normal duty inserts with dual seals, consisting of a slinger attached to the inner ring, and a single lip rubber seal attached to the outer ring. As the inner ring rotates, foreign matter is evacuated away from the rubber seal.



### Triple Seals

As an option, we offer inserts equipped with triple lip seals for applications where much dust is present such as in some agricultural machinery.





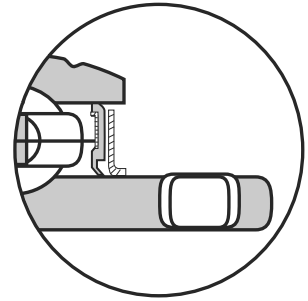
# Technical Section

## Recommended Tightening Torque of Set Screw

Bearing no.		Set Screw	Torque <b>Nm</b>	Torque <b>in/lbs</b>
SB 201-203		M5 x 0.08 10-32	3.4	30.09
UC & SER 204-206	UC 305 - 306	M6 X 1 1/4-28 UNF	5.4	47.8
UC & SER 207-209	UC 307	M8 X 1 5/16-24 UNF	11.3	100
UC & SER 210-212	UC 308 - 309	M10 X 1.25 3/8-24 UNF	21.6	191.2
UC & SER 213 - 218	UC 310 - 313	M12 X 1-1/2 7/16-20 UNF	32.4	286.8
—	UC 314 - 315	M14 X 1-1/2 9/16-18 UNF	41.2	364.7

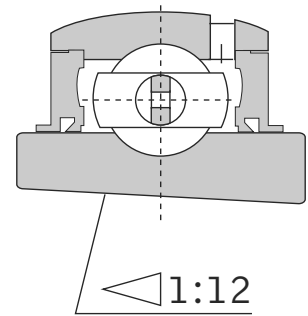
## Locking Systems

Set Screw Type. Two setscrews at 120° are fastened on the shaft. The most popular system, it permits rotation in both directions.



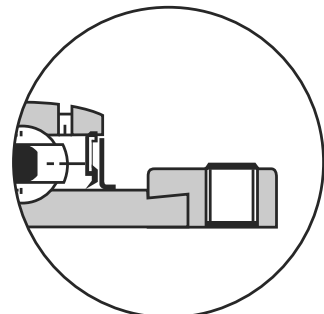
## Adapter Style

In this system, the inner ring diameter of the bearing has a taper of 1:12. A corresponding tapered adapter is fitted, and the nut is tightened by hand, then rotated by 2/5 to 3/5 revolutions with a spanner, assuring good concentricity.



## Eccentric Collar

The collar must be tightened in the direction of shaft rotation. This system is not recommended in applications where rotation is reversed.

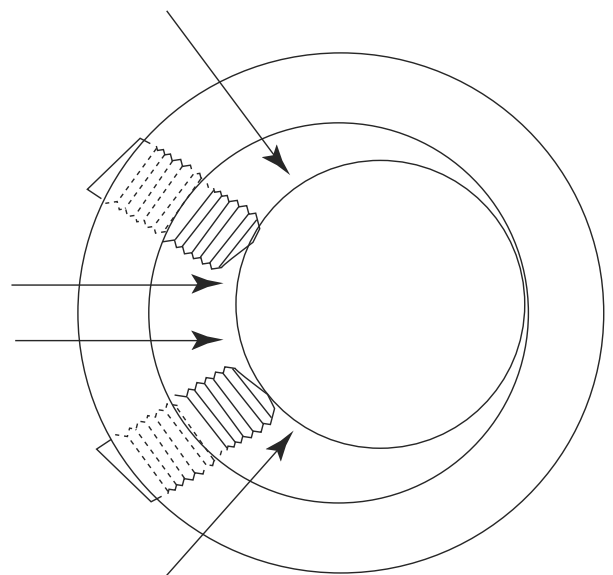
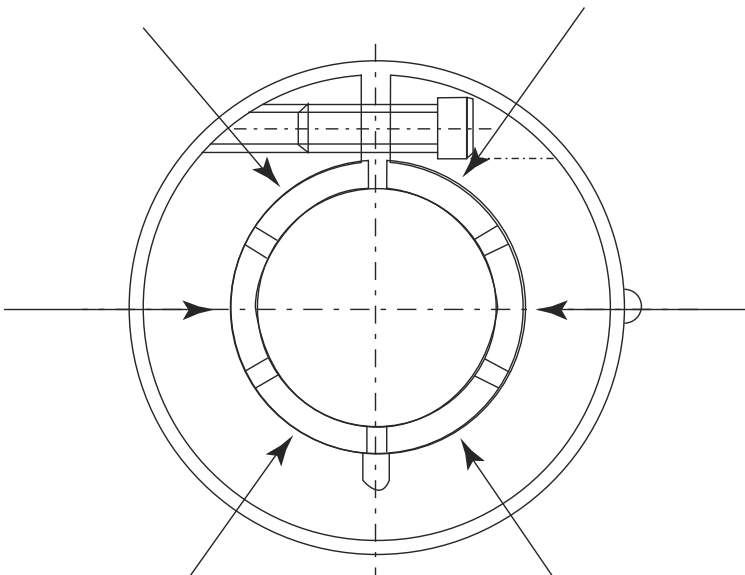
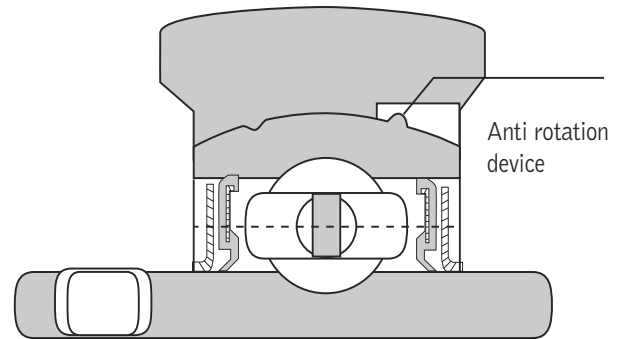




This system will provide the same near perfect concentricity achieved with the tapered adapter, with fewer parts. Only one cap screw tightens the inner race extension around the shaft. In higher speed applications such as fans and blowers, annoying vibrations are virtually eliminated. This system does not mar the shaft and allows rotation in both directions.

## Anti Rotation Device

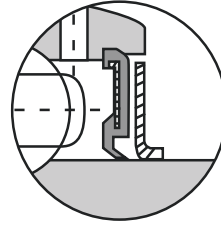
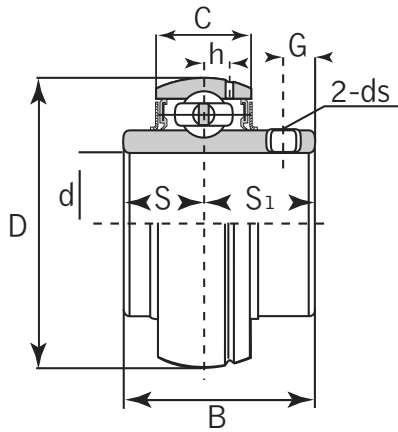
Bearing inserts are equipped with a locking pin to prevent the outer ring from rotating in the housing. This feature may save the housing if the bearing jams.



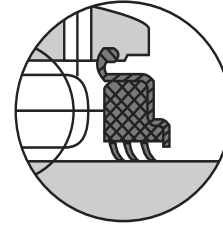


# Bearing Insert

## Set Screw Series - Normal Duty



Dual Seal



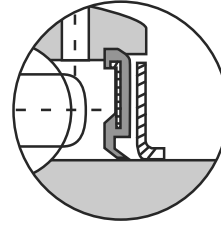
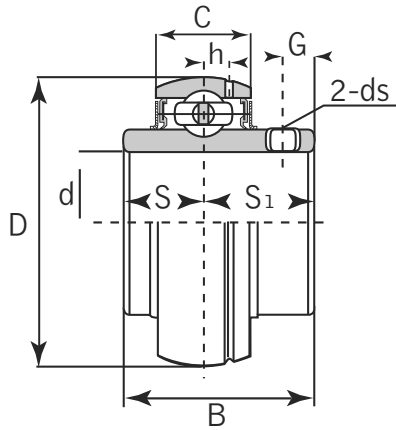
Triple Seal optional

### UC

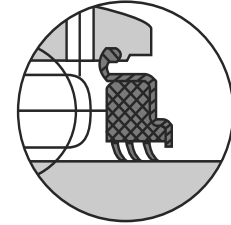
Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Basic Load Rating lbf / N		Weight		
		d	D	B	C	S	S1	G	h	ds	Dynamic	Static	kg	lbs
UC 201	12 mm												0.21	0.46
201-8	1/2												0.20	0.44
202	15 mm												0.19	0.42
202-9	9/16												0.19	0.42
202-10	5/8	1.8504	1.2205	0.6693	0.500	0.720	0.1850	0.1378	1/4-28UNF	2878	1495		0.19	0.42
203	17 mm	<b>47</b>	<b>31</b>	<b>17</b>	<b>12.7</b>	<b>18.3</b>	<b>4.7</b>	<b>3.5</b>	M6 x 1	12800	6650		0.18	0.40
203-11	11/16												0.18	0.40
204	20 mm												0.16	0.35
204-12	3/4												0.17	0.37
UC 205	25 mm												0.22	0.48
205-14	7/8	2.0472	1.3425	0.6693	0.5630	0.780	0.1969	0.1653	1/4-28UNF	3152	1771		0.20	0.44
205-15	15/16	<b>52</b>	<b>34.1</b>	<b>17</b>	<b>14.3</b>	<b>19.8</b>	<b>5</b>	<b>4.2</b>	M6 x 1	14020	7880		0.19	0.42
205-16	1												0.19	0.42
UC 206	30 mm												0.34	0.75
206-17	1-1/16	2.4409	1.500	0.7480	0.6260	0.8740	0.1969	0.1969	1/4-28 UNF	4375	2542		0.31	0.68
206-18	1-1/8	<b>62</b>	<b>38.1</b>	<b>19</b>	<b>15.9</b>	<b>22.2</b>	<b>5</b>	<b>5</b>	M6 X 1	19460	11310		0.32	0.70
206-19	1-3/16												0.31	0.68
206-20	1-1/4													
UC 207	35 mm												0.52	1.14
207-20	1-1/4	2.8346	1.6890	0.7874	0.6890	1.000	0.2360	0.2244	5/16-24 UNF	5771	3439		0.50	1.10
207-21	1-5/16	<b>72</b>	<b>42.9</b>	<b>20</b>	<b>17.5</b>	<b>25.4</b>	<b>6</b>	<b>5.7</b>	M8 X 1	25670	15300		0.48	1.06
207-22	1-3/8												0.46	1.01
207-23	1-7/16												0.46	1.01
UC 208	40 mm												0.68	1.50
208-24	1-1/2	3.1496	1.9370	0.8268	0.748	1.189	0.315	0.2480	5/16-24 UNF	6550	4000		0.64	1.41
208-25	1-9/16	<b>80</b>	<b>49.2</b>	<b>21</b>	<b>19</b>	<b>30.2</b>	<b>8</b>	<b>6.3</b>	M8 X 1	29100	17800		0.63	1.39
UC 209	45 mm												0.78	1.72
209-26	1-5/8	3.3465	1.9370	0.8660	0.7480	1.1890	0.3150	0.2480	5/16-24UNF	7119	4649		0.74	1.63
209-27	1-11/16	<b>85</b>	<b>49.2</b>	<b>22</b>	<b>19.0</b>	<b>30.2</b>	<b>8</b>	<b>6.3</b>	M8 X 1	31670	20680		0.70	1.54
209-28	1-3/4												0.70	1.54



# Bearing Insert Set Screw Series - Normal Duty



Dual Seal



Triple Seal optional

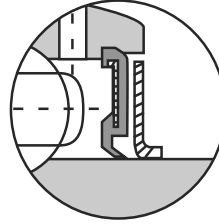
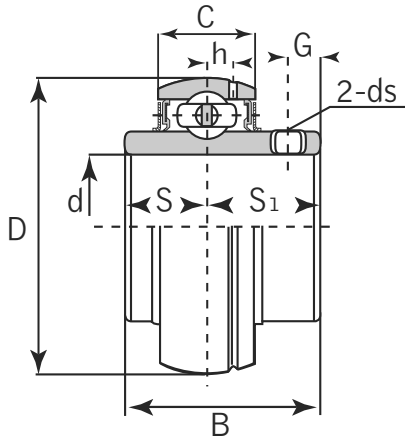
## UC

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Basic Load Rating lbf / N		Weight	
	d	D	B	C	S	S1	G	h	ds	Dynamic	Static	kg	lbs
UC 210	50 mm												
210-30	1-7/8	3.5433	2.0315	0.9449	0.7480	1.2835	0.3937	0.2598	3/8-24UNF	7884	5211	0.80	1.76
210-31	1-15/16	<b>90</b>	<b>51.6</b>	<b>24</b>	<b>19.0</b>	<b>32.6</b>	<b>10</b>	<b>6.6</b>	M10x1.25	35070	23180	0.87	1.91
210-32	2											0.82	1.80
												0.78	1.72
UC 211	55 mm												
211-32	2	3.9370	2.1890	0.9843	0.874	1.3150	0.3937	0.2755	3/8-24UNF	9752	6569	1.11	2.44
211-34	2-1/8	<b>100</b>	<b>55.6</b>	<b>25</b>	<b>22.2</b>	<b>33.4</b>	<b>10</b>	<b>7</b>	M10x1.25	43380	29220	1.26	2.77
211-35	2-3/16											1.15	2.53
												1.09	2.40
UC 212	60 mm												
212-36	2-1/4	4.3307	2.5630	1.0630	1.000	1.5630	0.394	0.2292	3/8-24UNF	10736	7403	1.54	3.39
212-38	2-3/8	<b>110</b>	<b>65.1</b>	<b>27</b>	<b>25.4</b>	<b>39.7</b>	<b>10</b>	<b>7.6</b>	M10x1.25	47760	32930	1.67	3.67
212-39	2-7/16											1.52	3.34
												1.45	3.19
UC 213	65 mm												
213-40	2-1/2	4.7244	2.5630	1.1024	1.000	1.5630	0.394	0.3503	3/8-24UNF	12861	8992	1.85	4.07
		<b>120</b>	<b>65.1</b>	<b>28</b>	<b>25.4</b>	<b>39.7</b>	<b>10</b>	<b>8.9</b>	M10x1.25	57210	40000	1.94	4.27
UC 214	70 mm												
214-43	2-11/16	4.9213	2.9370	1.1811	1.189	1.7480	0.472	0.3503	7/16-20UNF	13675	10123	2.05	4.51
214-44	2-3/4	<b>125</b>	<b>74.6</b>	<b>30</b>	<b>30.2</b>	<b>44.5</b>	<b>12</b>	<b>8.9</b>	M12x1-1/2	60830	45030	2.16	4.75
												2.06	4.53
UC 215	75 mm												
215-47	2-15/16	5.1181	3.0630	1.2598	1.311	1.7480	0.472	0.3503	7/16-20UNF	14862	11128	2.21	4.86
215-48	3	<b>130</b>	<b>77.8</b>	<b>32</b>	<b>33.3</b>	<b>44.5</b>	<b>12</b>	<b>8.9</b>	M12x1-1/2	66110	49500	2.24	4.93
												2.12	4.66
UC 216	80 mm												
216-50	3-1/8	5.1181	3.2520	1.2992	1.311	1.9410	0.5512	0.3779	7/16-20UNF	16298	11914	2.80	6.16
		<b>140</b>	<b>82.6</b>	<b>33</b>	<b>33.3</b>	<b>49.3</b>	<b>14</b>	<b>9.6</b>	M12x1-1/2	72500	53000	2.85	6.27
UC 217	85 mm												
217-52	3-1/4	5.9055	3.3740	1.3780	1.3425	2.0315	0.5512	0.3779	7/16-20UNF	18771	14387	3.46	7.61
217-55	3-7/16	<b>150</b>	<b>85.7</b>	<b>35</b>	<b>34.1</b>	<b>51.6</b>	<b>14</b>	<b>10</b>	M12x1-1/2	83500	64000	3.68	8.10
												3.25	7.15
UC 218	90 mm												
218-56	3-1/2	6.2992	3.7795	1.4567	1.5630	2.2165	0.5903	0.4330	1/2-20UNF	21581	16073	4.36	9.59
		<b>160</b>	<b>96</b>	<b>37</b>	<b>39.7</b>	<b>56.3</b>	<b>15</b>	<b>11</b>	M12x1-1/2	96000	71500	4.47	9.83

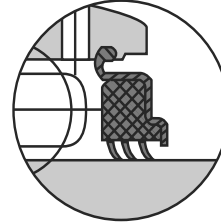


# Bearing Insert

## Set Screw Series - Medium Duty



Dual Seal



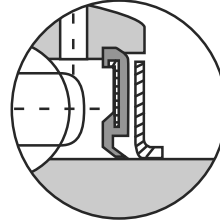
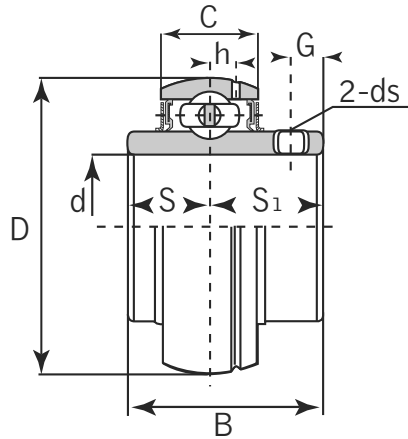
Triple Seal optional

## UCX

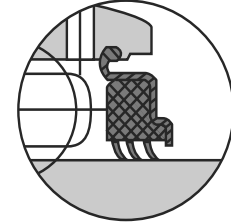
Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Basic Load Rating lbf / N		Weight		
		d	D	B	C	S	S1	G	h	ds	Dynamic	Static	kg	lbs
UCX 05	25 mm													
05-14	7/8	2.4409	1.5000	0.748	0.626	0.874	0.197	0.197	1/4-28UNF	4384	2540	0.39	0.85	
05-15	15/16	<b>62</b>	<b>38.1</b>	<b>19</b>	<b>15.9</b>	<b>22.2</b>	<b>5</b>	<b>5</b>	M6x1	19500	11300	0.42	0.99	
05-16	1											0.40	0.88	
												0.38	0.83	
UCX 06	30 mm													
06-18	1-1/8	2.8346	1.6890	0.7874	0.689	1.000	0.276	0.224	5/16-24UNF	5778	3440	0.58	1.27	
06-19	1-3/16	<b>72</b>	<b>42.9</b>	<b>20</b>	<b>17.5</b>	<b>25.4</b>	<b>7</b>	<b>5.7</b>	M8x1	25700	15300	0.58	1.27	
06-20	1-1/4											0.55	1.21	
UCX 07	35 mm													
07-21	1-5/16	3.1496	1.9370	0.8268	0.748	1.189	0.315	0.244	5/16-24UNF	6632	4069	0.75	1.65	
07-22	1-3/8	<b>80</b>	<b>49.2</b>	<b>21</b>	<b>19</b>	<b>30.2</b>	<b>8</b>	<b>6.2</b>	M8x1	29500	18100	0.75	1.65	
07-23	1-7/16											0.72	1.58	
UCX 08	40 mm													
08-24	1-1/2	3.3465	1.9370	0.8661	0.748	1.189	0.315	0.252	5/16-24UNF	7104	4631	0.83	1.82	
08-25	1-9/16	<b>85</b>	<b>49.2</b>	<b>22</b>	<b>19</b>	<b>30.2</b>	<b>8</b>	<b>6.5</b>	M8x1	31600	20600	0.87	1.91	
												0.87	1.91	
UCX 09	45 mm													
09-26	1-5/8	3.5433	2.0315	0.9449	0.748	1.283	0.394	0.256	3/8-24UNF	7868	5216	0.95	2.09	
09-27	1-11/16	<b>90</b>	<b>51.6</b>	<b>24</b>	<b>19</b>	<b>32.6</b>	<b>10</b>	<b>6.5</b>	M10x1	35000	23200	1.10	2.42	
09-28	1-3/4											1.01	2.22	
												0.97	2.13	
UCX 10	50 mm													
10-30	1-7/8	3.9370	2.1890	0.9843	0.874	1.315	0.394	0.276	3/8-24UNF	9779	6564	1.29	2.83	
10-31	1-15/16	<b>100</b>	<b>55.6</b>	<b>25</b>	<b>22.2</b>	<b>33.4</b>	<b>10</b>	<b>7.0</b>	M10x1	43500	29200	1.43	3.14	
10-32	2											1.32	2.90	
												1.26	2.77	
UCX 11	55 mm													
11-35	2-3/16	4.3307	2.5630	1.0630	1.000	1.563	0.394	0.299	3/8-24UNF	10723	7396	1.80	3.96	
11-36	2-1/4	<b>110</b>	<b>65.1</b>	<b>27</b>	<b>25.4</b>	<b>39.7</b>	<b>10</b>	<b>7.6</b>	M10x1	47700	32900	1.78	3.91	
												1.70	3.74	

# Bearing Insert

## Set Screw Series - Medium Duty



Dual Seal



Triple Seal optional

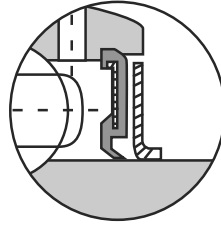
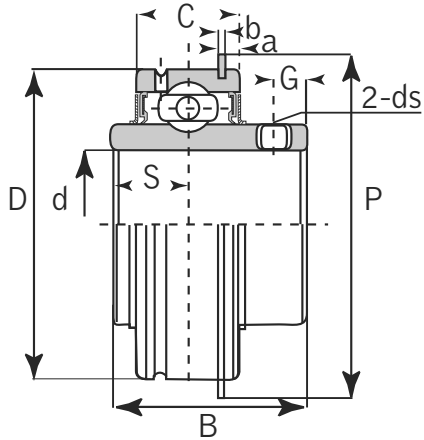
## UCX

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Basic Load Rating lbf / N		Weight	
		d	D	B	C	S	S1	G	h	ds	Dynamic	Static	kg
UCX 12 12-38 12-39	60 mm 2-3/8 2-7/16	4.7244 <b>120</b>	2.5630 <b>65.1</b>	1.1024 <b>28</b>	1.000 <b>25.4</b>	1.5628 <b>39.7</b>	0.394 <b>10</b>	0.335 <b>8.5</b>	3/8-24UNF M10x1	12927 57500	8992 40000	2.05 2.03 1.95	4.51 4.46 4.29
UCX 13 13-40	65 mm 2-1/2	4.9213 <b>125</b>	2.9370 <b>74.6</b>	1.1417 <b>29</b>	1.189 <b>30.2</b>	1.748 <b>44.4</b>	0.472 <b>12</b>	0.350 <b>8.9</b>	1/2-20 UNF M12x1.5	13668 60800	10116 45000	2.52 2.61	5.54 5.74
UCX 14 14-44	70 mm 2-3/4	5.1181 <b>130</b>	3.0630 <b>77.8</b>	1.1811 <b>30</b>	1.311 <b>33.3</b>	<b>1.752</b> <b>44.5</b>	0.472 <b>12</b>	0.362 <b>9.2</b>	1/2-20 UNF M12x1.5	14837 66000	11128 49500	2.74 2.75	6.02 6.05
UCX 15 15-47 15-48	75 mm 2-15/16 3	5.5118 <b>140</b>	3.2520 <b>82.6</b>	1.2598 <b>32</b>	1.311 <b>33.3</b>	1.9409 <b>49.3</b>	0.472 <b>12</b>	0.374 <b>9.5</b>	1/2-20 UNF M12x1.5	16074 71500	12185 54200	3.41 3.32	7.50 7.30
UCX 16 16-50	80 mm 3-1/8	5.9055 <b>150</b>	3.3740 <b>85.7</b>	1.3386 <b>34</b>	1.343 <b>34.1</b>	3.031 <b>51.6</b>	0.472 <b>12</b>	0.402 <b>10.2</b>	1/2-20UNF M12x1.5	18772 83500	14523 64600	3.87	8.34
UCX 17 17-52 17-55	85 mm 3-1/4 3-7/16	6.2992 <b>160</b>	3.7795 <b>96</b>	1.4173 <b>36</b>	1.5630 <b>39.7</b>	2.217 <b>56.3</b>	0.472 <b>12</b>	0.441 <b>11.2</b>	1/2-20UNF M12x1.5	21582 96000	16074 71500	5.05 4.58	11.11 10.07
UCX 18 18-56	90 mm 3-1/2	6.6929 <b>170</b>	4.0945 <b>104</b>	1.5354 <b>39</b>	1.689 <b>42.9</b>	2.406 <b>61.1</b>	0.630 <b>16</b>	0.492 <b>12.5</b>	9/16-18UNF M14x1.5	24504 109000	18434 82000	6 6.12	13.20 13.46
UCX 20 20-63 20-64	100 mm 3-15/16 3-1/2	7.4803 <b>190</b>	4.6260 <b>117.5</b>	1.6929 <b>43</b>	1.9370 <b>49.2</b>	2.6890 <b>68.3</b>	0.7087 <b>18</b>	0.5994 <b>13.7</b>	5/8X18UNF M16x1.5	29900 133000	23605 105000	8.56 8.33 8.33	18.83 18.32 18.32

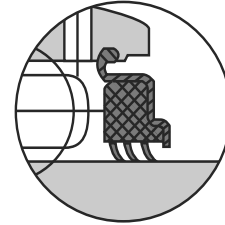


# Bearing Insert

## Set Screw Series - Normal Duty



Dual Seal

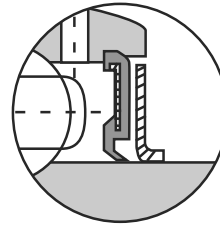
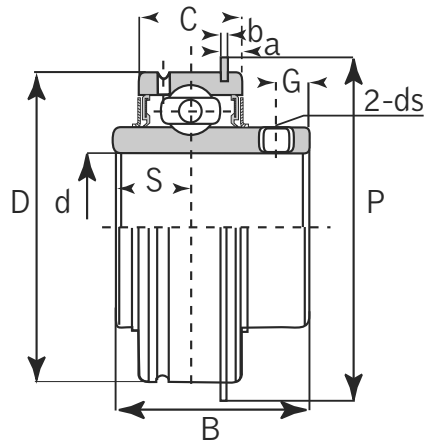


Triple Seal optional

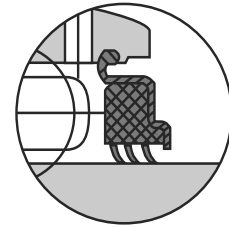
## SER

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Basic Load Rating lbf / N		Weight		
		d	D	B	b	C	S	a	P	G	ds	Dynamic	Static	kg	lbs
SER 201	12 mm													0.27	0.59
201-8	1/2													0.27	0.59
202	15 mm													0.25	0.55
202-10	5/8	1.8504	1.2205	0.0421	0.6300	0.500	0.0945	2.0748	0.185	1/4-28UNF	2886	1495	0.24	0.53	
203	17 mm	<b>47</b>	<b>31</b>	<b>1.07</b>	<b>16</b>	<b>12.7</b>	<b>2.4</b>	<b>52.7</b>	<b>4.7</b>	M 6 x 0.75	12840	6650	0.23	0.51	
203-11	11/16												0.23	0.51	
204	20 mm												0.20	0.48	
204-12	3/4												0.22	0.48	
SER 205	25 mm												0.21	0.46	
205-14	7/8	2.0472	1.3425	0.0421	0.7480	0.5629	0.0945	2.2795	0.2165	1/4-28UNF	3152	1771	0.23	0.51	
205-15	15/16	<b>52</b>	<b>34.1</b>	<b>1.07</b>	<b>19</b>	<b>14.3</b>	<b>2.4</b>	<b>57.9</b>	<b>5.5</b>	M 6 x 0.75	14020	7880	0.22	0.48	
205-16	1												0.20	0.44	
SER 206	30 mm												0.35	0.77	
206-18	1-1/8	2.4409	1.5000	0.0649	0.874	0.6260	0.1260	2.6654	0.2165	1/4-28UNF	4375	2542	0.37	0.81	
206-19	1-3/16	<b>62</b>	<b>38.1</b>	<b>1.65</b>	<b>22.2</b>	<b>15.9</b>	<b>3.2</b>	<b>67.7</b>	<b>5.5</b>	M 6 x 0.75	19460	11310	0.35	0.77	
206-20	1-1/4												0.35	0.77	
SER 207	35 mm												0.51	1.12	
207-20	1-1/4	2.8346	1.6890	0.0649	0.9449	0.6890	0.1260	3.0906	0.2559	5/16-24UNF	5771	3439	0.56	1.23	
207-21	1-5/16	<b>72</b>	<b>42.9</b>	<b>1.65</b>	<b>24</b>	<b>17.5</b>	<b>3.2</b>	<b>78.4</b>	<b>6.5</b>	M 8 x 1	25670	15300	0.54	1.19	
207-22	1-3/8												0.52	1.14	
207-23	1-7/16												0.48	1.06	
SER 208	40 mm												0.68	1.50	
208-24	1-1/2	3.1496	1.9370	0.0649	1.1024	0.748	0.1260	3.4094	0.3150	5/16-24UNF	6636	4078	0.72	1.58	
208-25	1-9/16	<b>80</b>	<b>49.2</b>	<b>1.65</b>	<b>28</b>	<b>19</b>	<b>3.2</b>	<b>86.6</b>	<b>8</b>	M 8 x 1	29520	18140	0.68	1.50	

# Bearing Insert Set Screw Series - Normal Duty



Dual Seal



Triple Seal optional

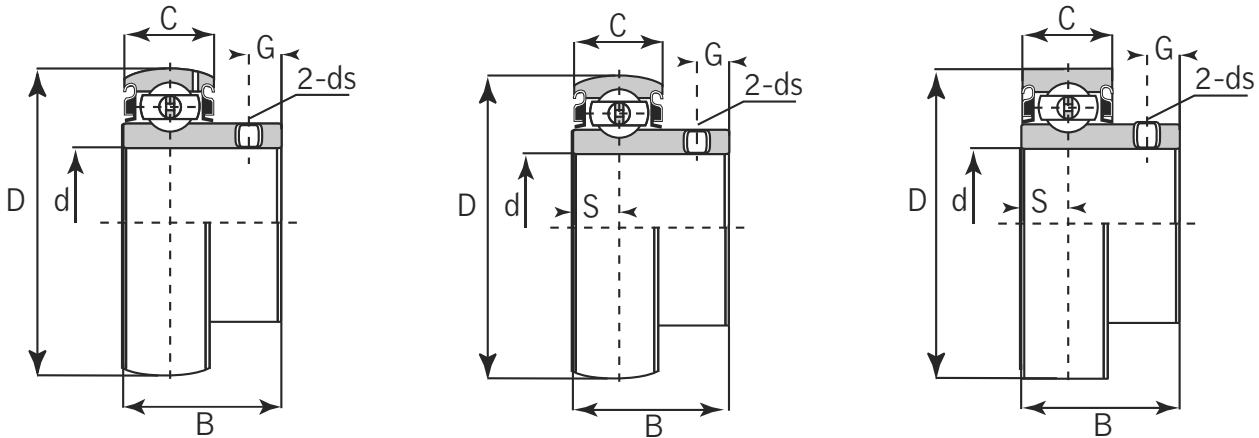
## SER

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Basic Load Rating lbf / N		Weight	
	d	D	B	b	C	S	a	P	G	ds	Dynamic	Static	kg	lbs
SER 209	45 mm													
209-26	1-5/8	3.3465	1.9370	0.0650	1.1024	0.748	0.1260	3.6063	0.3150	5/16-24UNF	7119	4649	0.90	1.98
209-27	1-11/16	<b>85</b>	<b>49.2</b>	<b>1.65</b>	<b>28</b>	<b>19</b>	<b>3.2</b>	<b>91.6</b>	<b>8</b>	M 8 x 1	31670	20680	0.81	1.78
209-28	1-3/4												0.82	1.80
													0.80	1.76
SER 210	50 mm													
210-30	1-7/8	3.5433	2.0315	0.0949	1.1024	0.7480	0.1260	3.7992	0.3543	3/8-24UNF	7884	5211	0.86	1.89
210-31	1-15/16	<b>90</b>	<b>51.6</b>	<b>2.41</b>	<b>28</b>	<b>19</b>	<b>3.2</b>	<b>96.5</b>	<b>9</b>	M 10 x 1.25	35070	23180	0.92	2.02
210-32	2												0.87	1.91
													0.85	1.87
SER 211	55 mm													
211-32	2	3.9370	2.1890	0.0949	1.1811	0.8740	0.1260	4.1929	0.3543	3/8-24UNF	9752	6569	1.15	2.53
211-34	2-1/8	<b>100</b>	<b>55.6</b>	<b>2.41</b>	<b>30</b>	<b>22.2</b>	<b>3.2</b>	<b>106.5</b>	<b>9</b>	M 10 x 1.25	43380	29222	1.28	2.82
211-35	2-3/16												1.18	2.60
													1.12	2.46
SER 212	60 mm													
212-36	2-1/4	4.3307	2.5630	0.0949	1.2598	1.000	0.1260	4.5960	0.4134	3/8-24UNF	10736	7403	1.58	3.48
212-38	2-3/8	<b>110</b>	<b>65.1</b>	<b>2.41</b>	<b>32</b>	<b>25.4</b>	<b>3.2</b>	<b>116.6</b>	<b>10.5</b>	M 10 x 1.25	47760	32930	1.70	3.74
212-39	2-7/16												1.56	3.56
													1.48	3.26
SER 214	70 mm													
214-43	2-11/16	4.9213	2.7520	0.1091	1.3780	1.0630	0.1575	5.2165	0.4724	7/16-20UNF	13675	10123	2.52	5.54
214-44	2-3/4	<b>125</b>	<b>69.9</b>	<b>2.77</b>	<b>35</b>	<b>27</b>	<b>4</b>	<b>132.5</b>	<b>12</b>	M 12 x 1.5	60830	45030		
SER 215	75 mm													
215-47	2-15/16	5.1181	3.0630	0.1091	1.4961	1.3110	0.1575	5.5000	0.4724	7/16-20UNF	14862	11128	2.89	6.35
215-48	3	<b>130</b>	<b>77.8</b>	<b>2.77</b>	<b>38.0</b>	<b>33.3</b>	<b>4</b>	<b>139.7</b>	<b>12</b>	M 12 x 1.5	66110	49500		
SER 217	85 mm													
217-55	3-7/16	5.9055	3.374	0.1091	1.937	1.3425	0.1900	6.2900	0.5512	7/16-20	17680	11600	3.30	7.26
		<b>150</b>	<b>85.7</b>	<b>2.77</b>	<b>49.2</b>	<b>34.1</b>	<b>4.9</b>	<b>159.7</b>	<b>14</b>	M 12 x 1.5	78648	51601		



# Bearing Inserts

## Set Screw Series - Light Duty



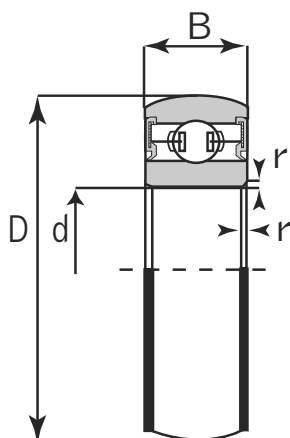
### SB...G, SB & CSB

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)						Basic Load Rating lbf / N		Weight	
	d	D	B	C	S	G	ds	Dynamic Cr	Static Cor	kg	lbs
SB 201 201-8 202 202-9 202-10 203 203-11	12 mm 1/2 15 mm 9/16 5/8 17 mm 11/16	1.5748 <b>40</b>	0.8661 <b>22</b>	0.4724 <b>12</b>	0.2362 <b>6</b>	1.1772 <b>4.5</b>	1/4-28 UNF M5 x 0.8	2151 9570	1057 4700	0.10 0.10 0.09 0.09 0.09 0.08 0.08	0.22 0.22 0.20 0.20 0.20 0.18 0.18
SB 204 204-12	20 mm 3/4	1.8504 <b>47</b>	0.9840 <b>25</b>	0.5512 <b>14</b>	0.2756 <b>7</b>	1.1772 <b>4.5</b>	1/4-28 UNF M6 x 0.75	2886 12840	1495 6650	0.12 0.13	0.26 0.29
SB 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	2.0472 <b>52</b>	1.0630 <b>27</b>	0.5906 <b>15</b>	0.2953 <b>7.5</b>	0.1969 <b>5</b>	1/4-28 UNF M6 x 0.75	3152 14020	1771 7880	0.18 0.17 0.17 0.16	0.40 0.37 0.37 0.35
SB 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	2.4409 <b>62</b>	1.1811 <b>30</b>	0.6299 <b>16</b>	0.3150 <b>8</b>	0.2170 <b>5.5</b>	1/4-28 UNF M6 x 0.75	4375 19460	2542 11310	0.25 0.26 0.25 0.23	0.55 0.57 0.55 0.51
SB 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	2.8346 <b>72</b>	1.2598 <b>32</b>	0.6693 <b>17</b>	0.3346 <b>8.5</b>	0.2362 <b>6</b>	5/16-24 UNF M8 x 1	57706 25670	34394 15300	0.37 0.41 0.39 0.37 0.35	0.81 0.90 0.86 0.81 0.77
SB 208 208-24 208-25	40 mm 1-1/2 1-9/16	3.1496 <b>80</b>	1.3386 <b>34</b>	0.7087 <b>18</b>	0.3543 <b>9</b>	0.3150 <b>8</b>	5/16-24 UNF M8 x 1	6636 29520	4078 18140	0.45 0.48 0.45	0.99 1.06 0.99
SB 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	3.3465 <b>85</b>	1.6220 <b>41.2</b>	0.7480 <b>19</b>	0.4016 <b>10.2</b>	0.3150 <b>8</b>	5/16-24 UNF M8 x 1	7119 31670	4649 20680	0.69 0.76 0.73 0.69	1.51 1.67 1.60 1.51
SB 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	3.5433 <b>90</b>	1.7126 <b>45.3</b>	0.7874 <b>20</b>	0.4291 <b>10.9</b>	0.3543 <b>9</b>	5/16-24 UNF M10 x 1.25	35070 7884	23180 5211	0.79 0.83 0.79	1.73 1.82 1.73
SB 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	3.9370 <b>100</b>	1.7126 <b>45.3</b>	0.8268 <b>21</b>	0.4646 <b>11.8</b>	0.3937 <b>10</b>	3/8-24 UNF M10 x 1.25	43380 9752	29220 6569	0.84 0.96 0.87 0.81	1.84 2.11 1.91 1.78
SB 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	4.3307 <b>110</b>	2.1142 <b>53.7</b>	0.8661 <b>22</b>	0.5866 <b>14.9</b>	0.3937 <b>10</b>	3/8-24 UNF M10 x 1.25	47760 10736	32930 7403	1.20 1.30 1.09	2.64 2.86 2.39

Add (G)suffix for regreasable. (ex. SB 205-16G)

# Bearing Insert

## Bearing Style - Normal Duty



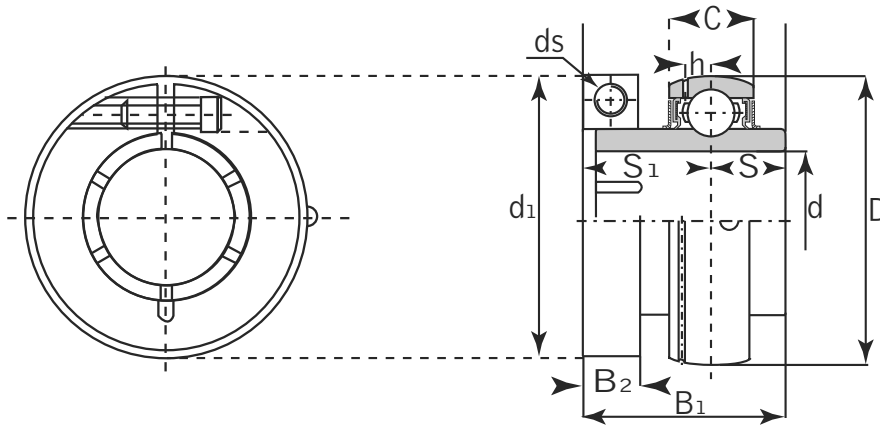
### CS

Unit No.	Shaft Dia. (inch / mm)	Dimensions (mm)			Basic Load Rating lbf / N		Weight	
	d	D	B	r (min)	Dynamic Cr	Static Cor	kg	lbs
CS 201 2RS	12	32	10	0.6	1529 6800	686 3050	0.03	0.08
CS 202 2RS	15	35	11	0.6	1718 7650	836 3720	0.04	0.09
CS 203 2RS	17	40	12	0.6	2154 9580	1075 4780	0.05	0.11
CS 204 2RS	20	47	14	1	2877 12800	1495 6650	0.10	0.22
CS 205 2RS	25	52	15	1	3146 14000	1771 7880	0.11	0.24
CS 305 2RS	25	62	17	1.1	4991 22200	2585 11500	0.20	0.44
CS 206 2RS	30	62	16	1	4384 19500	2585 11500	0.18	0.39
CS 306 2RS	30	72	19	1.1	6070 27000	3417 15200	0.30	0.66
CS 207 2RS	35	72	17	1.1	5732 25500	3417 15200	0.25	0.55
CS 307 2RS	35	80	21	1.5	7463 33200	3417 15200	0.25	0.55
CS 208 2RS	40	80	18	1.1	6632 29500	4046 18000	0.32	0.70
CS 308 2RS	40	90	23	1.5	9172 40800	5395 24000	0.55	1.21
CS 209 2RS	45	85	19	1.1	7081 31500	4676 20800	0.37	0.81
CS 309 2RS	45	100	25	1.5	11869 52800	7081 31500	0.73	1.60
CS 210 2RS	50	90	20	1.1	7868 35000	5215 23200	0.41	0.90
CS 310 2RS	50	110	27	2	13893 61800	8542 38000	0.95	2.09



# Bearing Insert

GRaB Loc Series - Normal Duty



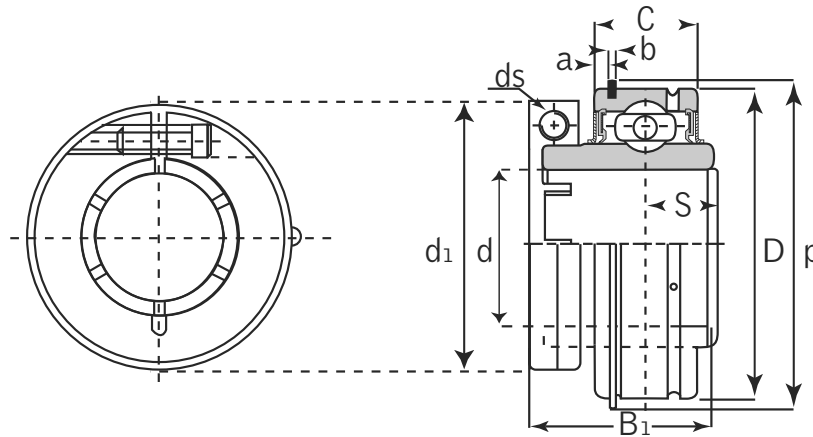
## GC

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Basic Load Rating lbf / N		Weight	
		d	D	d1	B1	B2	C	S	S1	h	ds	Dynamic	Static	kg
GC 204 204-12	20 mm 3/4	1.8504 <b>47</b>	1.7520 <b>44.5</b>	1.2795 <b>32.5</b>	0.3740 <b>9.5</b>	0.5906 <b>15</b>	0.500 <b>12.7</b>	0.7795 <b>19.8</b>	0.1575 <b>4.0</b>	8-32 x 5/8	2877 12800	1484 6600	0.22	0.48
GC 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	2.0472 <b>52</b>	1.9370 <b>49.2</b>	1.4370 <b>36.5</b>	0.3740 <b>9.5</b>	0.5906 <b>15</b>	0.5630 <b>14.3</b>	0.8740 <b>22.2</b>	0.1654 <b>4.2</b>	8-32 x 5/8	3147 14000	1753 7800	0.35	0.77
GC 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/8 1-1/4	2.4409 <b>62</b>	2.1890 <b>55.6</b>	1.5630 <b>39.7</b>	0.3740 <b>9.5</b>	0.7087 <b>18</b>	0.6260 <b>15.9</b>	0.9370 <b>23.8</b>	0.1890 <b>4.8</b>	8-32 x 5/8	4361 19400	2518 11200	0.50	1.10
GC 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	2.8346 <b>72</b>	2.5590 <b>65</b>	1.7520 <b>44.5</b>	0.4370 <b>11.1</b>	0.7480 <b>19</b>	0.6890 <b>17.5</b>	1.0630 <b>27.0</b>	0.2126 <b>5.4</b>	10-24 x 3/4	5755 25600	3417 15200	0.66	1.45
GC 208 208-24 208-25	40 mm 1-1/2 1-9/16	3.1496 <b>80</b>	2.6890 <b>68.3</b>	2.000 <b>50.8</b>	0.4370 <b>11.1</b>	0.8661 <b>22</b>	0.7480 <b>19.0</b>	1.2520 <b>31.8</b>	0.2323 <b>5.9</b>	10-24 x 3/4	7328 32600	4551 19800	0.81	1.78
GC 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	3.3464 <b>85</b>	2.9370 <b>74.6</b>	2.000 <b>50.8</b>	0.4370 <b>11.1</b>	0.8661 <b>22</b>	0.7480 <b>19.0</b>	1.2520 <b>31.8</b>	0.2402 <b>6.1</b>	10-24 x 3/4	4878 32700	4586 20400	0.83	1.83
GC 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	3.5433 <b>90</b>	3.3740 <b>85.7</b>	2.0945 <b>53.2</b>	0.5630 <b>14.3</b>	0.8661 <b>22</b>	0.7480 <b>19.0</b>	1.3425 <b>34.1</b>	0.2559 <b>6.5</b>	1/4-20 x 1	7868 35000	5193 23100	1.09	2.40
GC 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	3.9370 <b>100</b>	3.6220 <b>92</b>	2.2520 <b>57.2</b>	0.5630 <b>14.3</b>	0.9449 <b>24</b>	0.8740 <b>22.2</b>	1.3740 <b>34.9</b>	0.2795 <b>7.1</b>	1/4-20 x 1	9734 43300	6564 29200	1.32	2.91
GC 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	4.3307 <b>110</b>	4.1338 <b>105</b>	2.6260 <b>66.7</b>	0.6890 <b>17.5</b>	1.0236 <b>26</b>	1.000 <b>25.4</b>	1.6260 <b>41.3</b>	0.2992 <b>7.6</b>	5/16-18 x 1	10723 47700	7396 32900	1.95	4.30



# Bearing Insert

## GRaB Loc Series - Normal Duty



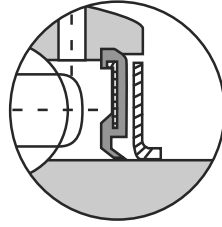
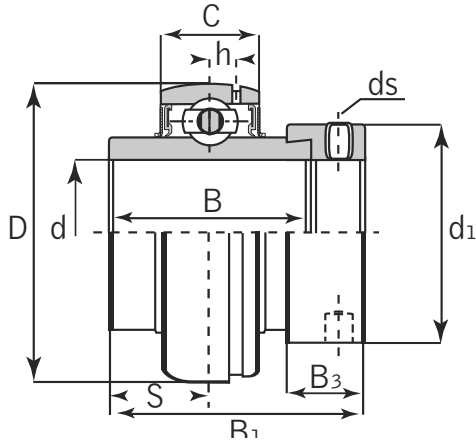
### GER

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Basic Load Rating lbf / N		Weight	
		d	D	d1	K	B1	b	C	S	a	p	ds	Dynamic	Static	kg
GER 204 204-12	20 mm 3/4	1.8504 <b>47</b>	1.7520 <b>44.5</b>	0.3740 <b>9.5</b>	1.3740 <b>34.9</b>	0.0531 <b>1.35</b>	0.7519 <b>19.10</b>	0.500 <b>12.70</b>	0.0968 <b>2.46</b>	2.0748 <b>52.70</b>	8-32 x 5/8	2900 12900	1410 6272	0.22	0.48
GER 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	2.0472 <b>52</b>	1.9370 <b>49.2</b>	0.3740 <b>9.5</b>	1.5118 <b>38.4</b>	0.0531 <b>1.35</b>	0.7519 <b>19.10</b>	0.5629 <b>14.30</b>	0.0968 <b>2.46</b>	2.2795 <b>57.90</b>	8-32 x 5/8	3150 14012	1610 7162	0.35	0.77
GER 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	2.4409 <b>62</b>	2.1890 <b>55.6</b>	0.3740 <b>9.5</b>	1.6496 <b>41.9</b>	0.0748 <b>1.90</b>	0.8740 <b>22.20</b>	0.6259 <b>15.90</b>	0.1291 <b>3.28</b>	2.6653 <b>67.70</b>	8-32 x 5/8	4370 19438	2320 10319	0.50	1.10
GER 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	2.8346 <b>72</b>	2.5590 <b>65</b>	0.4370 <b>11.1</b>	1.870 <b>47.5</b>	0.0748 <b>1.90</b>	0.9370 <b>23.8</b>	0.6897 <b>17.50</b>	0.1291 <b>3.28</b>	3.0944 <b>78.60</b>	10-24 x 3/4	5770 25665	3150 14011	0.66	1.45
GER 208 208-24 208-25	40 mm 1-1/2 1-9/16	3.1496 <b>80</b>	2.6890 <b>68.3</b>	0.4370 <b>11.1</b>	2.1141 <b>53.7</b>	0.0748 <b>1.90</b>	1.0944 <b>27.80</b>	0.7480 <b>19.00</b>	0.1291 <b>3.28</b>	3.4094 <b>86.60</b>	10-24 x 3/4	7340 32648	3650 16235	0.81	1.78
GER 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	3.3464 <b>85</b>	2.9370 <b>74.6</b>	0.4370 <b>11.1</b>	2.1220 <b>53.9</b>	0.0748 <b>1.90</b>	1.0944 <b>27.80</b>	0.7480 <b>19.00</b>	0.1291 <b>3.28</b>	3.6062 <b>91.60</b>	10-24 x 3/4	7350 32693	4150 18459	0.83	1.83
GER 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	3.5433 <b>90</b>	3.3740 <b>85.7</b>	0.5629 <b>14.3</b>	2.2677 <b>57.6</b>	0.1062 <b>2.70</b>	1.1259 <b>28.60</b>	0.7480 <b>19.00</b>	0.1291 <b>3.28</b>	3.7992 <b>96.50</b>	1/4-20 x 1	7880 35050	4650 20683	1.09	2.40
GER 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	3.9370 <b>100</b>	3.6220 <b>92</b>	0.5629 <b>14.3</b>	2.4291 <b>61.7</b>	0.1062 <b>2.70</b>	1.1889 <b>30.20</b>	0.8740 <b>22.20</b>	0.1291 <b>3.28</b>	4.1929 <b>106.50</b>	1/4-20 x 1	9740 43324	5850 20021	1.32	2.91
GER 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	4.3307 <b>110</b>	4.1338 <b>105</b>	0.6889 <b>17.5</b>	2.8464 <b>72.3</b>	0.1062 <b>2.70</b>	1.2519 <b>31.80</b>	1.000 <b>25.4</b>	0.1291 <b>3.28</b>	4.5905 <b>116.60</b>	5/16-18 x 1	11780 52397	7250 32248	1.95	4.30

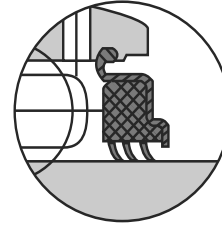


# Bearing Insert

## Eccentric Collar Series - Normal Duty



Dual Seal



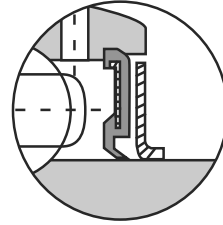
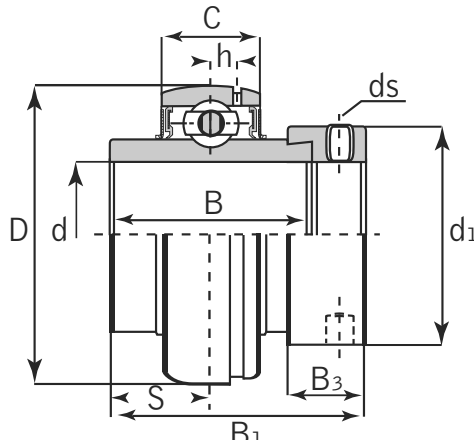
Triple Seal optional

### HC

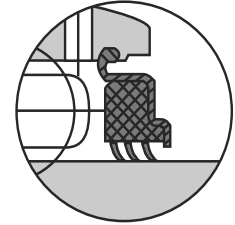
Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Basic Load Rating lbf / N		Eccentric Collar	Weight		
		d	D	d1	B	B1	B3	C	S	h	ds	Dynamic		Static	kg	lbs
HC 202	15 mm													A 202	0.27	0.59
202-9	9/16													202-9	0.26	0.57
202-10	5/8													202-10	0.26	0.57
203	17mm	1.8504	1.311	1.3465	1.7205	0.5315	0.6693	0.6793	0.146	1/4-28 UNF	2886	1495	203	0.25	0.55	
203-11	11/16	<b>47</b>	<b>33.3</b>	<b>34.2</b>	<b>43.7</b>	<b>13.5</b>	<b>17</b>	<b>17.1</b>	<b>3.7</b>	M6 x 0.75	12840	6650	203-11	0.25	0.55	
204	20 mm												204	0.23	0.51	
204-12	3/4												204-12	0.23	0.51	
HC 205	25 mm												A 205	0.27	0.59	
205-14	7/8	2.0472	1.5000	1.3740	1.7480	0.5315	0.6693	0.6890	0.154	1/4-28 UNF	3152	1771	205-14	0.31	0.68	
205-15	15/16	<b>52</b>	<b>38.1</b>	<b>34.9</b>	<b>44.4</b>	<b>13.5</b>	<b>17</b>	<b>17.5</b>	<b>3.9</b>	M6 x 0.75	14020	7880	205-15	0.29	0.64	
205-16	1												205-16	0.27	0.59	
HC 206	30 mm												A 206	0.45	0.99	
206-17	1-1/16	2.4409	1.7520	1.4370	1.9055	0.6260	0.7480	0.7205	0.197	5/16-24 UNF	4375	2542	206-17	0.50	1.10	
206-18	1-1/8	<b>62</b>	<b>44.5</b>	<b>36.5</b>	<b>48.4</b>	<b>15.9</b>	<b>19</b>	<b>18.3</b>	<b>5.0</b>	M8 x 1	19460	11310	206-18	0.47	1.03	
206-19	1-3/16												206-19	0.45	0.99	
206-20	1-1/4												206-20	0.42	0.92	
HC 207	35 mm												A 207	0.60	1.32	
207-20	1-1/4	2.8346	2.189	1.4803	2.0118	0.6890	0.7874	0.7402	0.224	5/16-24 UNF	5771	3439	207-20	0.67	1.47	
207-21	1-5/16	<b>72</b>	<b>55.6</b>	<b>37.6</b>	<b>51.1</b>	<b>17.5</b>	<b>20</b>	<b>18.8</b>	<b>5.7</b>	M8 x 1	25670	15300	207-21	0.63	1.39	
207-22	1-3/8												207-22	0.60	1.32	
207-23	1-7/16												207-23	0.57	1.25	
HC 208	40 mm												A 208	0.79	1.74	
208-24	1-1/2	3.1496	2.3740	1.6850	2.2165	0.7205	0.8270	0.8425	0.244	5/16-24 UNF	6636	4078	208-24	0.84	1.85	
208-25	1-9/16	<b>80</b>	<b>60.3</b>	<b>42.8</b>	<b>56.3</b>	<b>18.3</b>	<b>21</b>	<b>21.4</b>	<b>6.2</b>	M8 x 1	29520	18140	208-25	0.80	1.76	
HC 209	45 mm												A 209	0.85	1.87	
209-26	1-5/8	3.3465	2.5000	1.6850	2.2165	0.7205	0.8661	0.8425	0.252	5/16-24 UNF	7119	4649	209-26	0.96	2.11	
209-27	1-11/16	<b>85</b>	<b>63.5</b>	<b>42.8</b>	<b>56.3</b>	<b>18.3</b>	<b>22</b>	<b>21.4</b>	<b>6.4</b>	M8 x 1	31670	20680	209-27	0.91	2.00	
209-28	1-3/4												209-28	0.87	1.91	

# Bearing Insert

## Eccentric Collar Series - Normal Duty



Dual Seal



Triple Seal optional

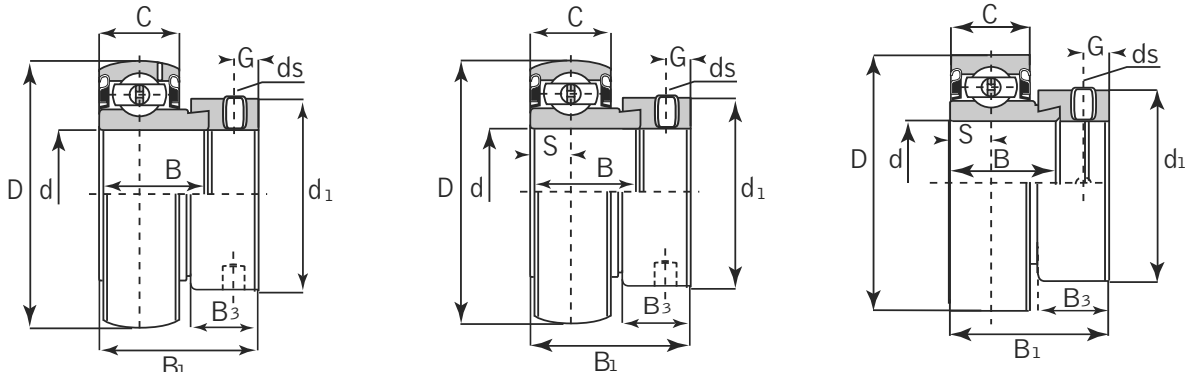
### HC

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Basic Load Rating lbf / N		Eccentric Collar	Mass	
		d	D	d1	B	B1	B3	C	S	h	ds	Dynamic	Static		kg	lbs
HC 210	50 mm													A 210	0.99	2.18
210-30	1-7/8	3.5433	2.7520	1.9370	2.4685	0.7204	0.9449	0.9685	0.256	5/16-24 UNF	7884	5211	210-30	1.08	2.38	
210-31	1-15/16	<b>90</b>	<b>69.9</b>	<b>49.2</b>	<b>62.7</b>	<b>18.3</b>	<b>24</b>	<b>24.6</b>	<b>6.5</b>	M8x 1	35070	23180	210-31	1.02	2.24	
210-32	2												210-32	0.96	2.11	
HC 211	55 mm												A 211	1.32	2.90	
211-32	2	3.9370	3.000	2.1850	2.8110	0.8150	0.9843	1.0945	0.276	3/8-24 UNF	9752	6569	211-32	1.52	3.34	
211-34	2-1/8	<b>100</b>	<b>76.2</b>	<b>55.5</b>	<b>71.4</b>	<b>20.7</b>	<b>25</b>	<b>27.8</b>	<b>7.0</b>	M10 x 1.25	43380	29220	211-34	1.37	3.01	
211-35	2-3/16												211-35	1.29	2.84	
HC 212	60 mm												A 212	1.88	4.14	
212-36	2-1/4	4.3307	3.3150	2.4370	3.0630	0.8780	1.0630	1.2205	0.299	3/8-24 UNF	10736	7403	212-36	2.04	4.49	
212-38	2-3/8	<b>110</b>	<b>84.2</b>	<b>61.9</b>	<b>77.8</b>	<b>22.3</b>	<b>27</b>	<b>31</b>	<b>7.6</b>	M10 x 1.25	47760	32930	212-38	1.90	4.18	
212-39	2-7/16												212-39	1.77	3.89	
HC 213	65 mm												A 213	2.41	5.30	
213-40	2-1/2	4.7244	3.3858	2.6850	3.3740	0.9252	1.1024	1.3425	0.335	3/8-24 UNF	12861	8992	213-40	2.51	5.52	
		<b>120</b>	<b>86</b>	<b>68.2</b>	<b>85.7</b>	<b>23.5</b>	<b>28</b>	<b>34.1</b>	<b>8.5</b>	M10 x 1.25	57210	40000				
HC 214	70 mm												A 214	2.55	5.61	
214-43	2-11/16	4.9213	3.5433	2.6850	3.3740	0.9252	1.1811	1.3425	0.350	3/8-24 UNF	13675	10123	214-43	2.68	5.90	
214-44	2-3/4	<b>125</b>	<b>90</b>	<b>68.2</b>	<b>85.7</b>	<b>23.5</b>	<b>30</b>	<b>34.1</b>	<b>8.9</b>	M10 x 1.25	60830	45030	214-44	2.56	5.63	
HC 215	75 mm												A 215	2.84	6.25	
215-47	2-15/16	5.1811	4.0157	2.9370	3.6260	0.9252	1.2598	1.4685	0.362	3/8-24 UNF	14862	11128	215-47	2.88	6.34	
215-48	3	<b>130</b>	<b>102</b>	<b>74.6</b>	<b>92.1</b>	<b>23.5</b>	<b>32</b>	<b>37.3</b>	<b>9.2</b>	M10 x 1.25	66110	49500	215-48	2.74	6.03	
HC 216	80 mm												A 216	3.12	6.86	
216-50	3-1/8	5.5118	4.3307	2.9370	3.7480	1.0630	1.2992	1.4685	0.4055	7/16-20 UNF	16073	12184	216-50	3.12	6.86	
		<b>140</b>	<b>110</b>	<b>74.6</b>	<b>95.2</b>	<b>27</b>	<b>33</b>	<b>37.3</b>	<b>10.3</b>	M12 x 1.25	71500	54200				
HC 217	85 mm												A 217	3.6	7.92	
217-52	3-1/4	5.9055	4.6850	2.0944	2.8818	1.0630	1.3780	0.9212	0.4331	7/16-20 UNF	18703	14342	217-52	3.6	7.92	
217-55	3-7/16	<b>150</b>	<b>119</b>	<b>53.2</b>	<b>73.2</b>	<b>27</b>	<b>35</b>	<b>23.4</b>	<b>11</b>	M12 x 1.25	83200	63800	217-55			
HC 218	90 mm												A 218	4.55	10.01	
218-56	3-1/2	6.2992	4.7244	2.1653	2.8543	1.2519	1.4567	0.9645	0.4724	7/16-20 UNF	21558	16073	218-56	4.55	10.01	
		<b>160</b>	<b>120</b>	<b>55</b>	<b>72.5</b>	<b>31.8</b>	<b>37</b>	<b>24.5</b>	<b>12</b>	M12 x 1.25	95900	71500				



# Bearing Insert

## Eccentric Collar Series - Light Duty



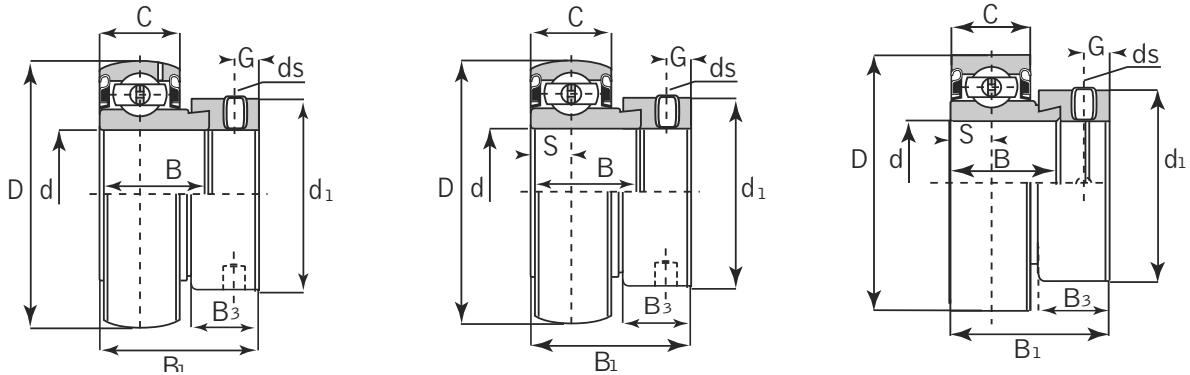
## SA...G, SA & CSA

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Basic Load Rating lbf / N		Weight	
		d	D	d1	B	B1	B3	C	S	G	ds	Dynamic Cr	Static Cor	kg
CSA 104-12	3/4	1.6335 <b>42</b>	1.299 <b>33</b>	0.6354 <b>16.14</b>	1.0402 <b>26.42</b>	0.5197 <b>13.2</b>	0.4724 <b>12</b>	0.2362 <b>6</b>	0.1969 <b>5</b>	1/4-28 UNF M6 x 0.75	2109 9380	1124 5000	0.12	0.26
SA 201	12 mm												0.12	0.26
201-8	1/2												0.14	0.31
202	15 mm	1.5748 <b>40</b>	1.126 <b>28.6</b>	0.7520 <b>19.1</b>	1.126 <b>28.6</b>	0.5315 <b>13.5</b>	0.4724 <b>12</b>	0.2362 <b>6</b>	0.1969 <b>5</b>	1/4-28 UNF M6 x 0.75	2151 9570	1057 4700	0.11	0.24
202-10	5/8												0.13	0.29
203	17 mm												0.10	0.22
203-11	11/16												0.12	0.26
SA 204	20 mm	1.8504 <b>47</b>	1.311 <b>33.3</b>	0.8465 <b>21.5</b>	1.2165 <b>30.9</b>	0.5315 <b>13.5</b>	0.5512 <b>14</b>	0.2755 <b>7</b>	0.1969 <b>5</b>	1/4-28 UNF M6 x 0.75	2886 12840	1495 6650	0.16	0.35
204-12	3/4												0.15	0.33
SA 205	25 mm												0.21	0.46
205-14	7/8	2.0472 <b>52</b>	1.500 <b>38.1</b>	1.126 <b>28.6</b>	1.2402 <b>31.5</b>	0.5315 <b>13.5</b>	0.5905 <b>15</b>	0.2953 <b>7.5</b>	0.1969 <b>5</b>	1/4-28 UNF M6 x 0.75	3152 14020	1771 7880	0.19	0.42
205-15	15/16												0.18	0.40
205-16	1												0.18	0.40
SA 206	30 mm												0.30	0.66
206-18	1-1/8	2.4409 <b>62</b>	1.752 <b>44.5</b>	0.9370 <b>23.8</b>	1.4055 <b>35.7</b>	0.6260 <b>15.9</b>	0.6299 <b>16</b>	0.3150 <b>8</b>	0.2362 <b>6</b>	5/16-24 UNF M8 x 1	4375 19460	2542 11310	0.30	0.66
206-19	1-3/16												0.30	0.66
206-20	1-1/4												0.29	0.64
SA 207	35 mm												0.55	1.21
207-20	1-1/4	2.8346 <b>72</b>	2.189 <b>55.6</b>	1.000 <b>25.4</b>	1.5315 <b>38.9</b>	0.6890 <b>17.5</b>	0.6693 <b>17</b>	0.3346 <b>8.5</b>	0.2559 <b>6.5</b>	5/16-24 UNF M8 x 1	5771 25670	3439 15300	0.53	1.17
207-21	1-5/16												0.50	1.10
207-22	1-3/8												0.50	1.10
207-23	1-7/16												0.47	1.03
SA 208	40 mm	3.1496 <b>80</b>	2.374 <b>60.3</b>	1.1890 <b>30.2</b>	1.7204 <b>43.7</b>	0.7205 <b>18.3</b>	0.7087 <b>18</b>	0.3543 <b>9</b>	0.2559 <b>6.5</b>	5/16-24 UNF M8 x 1	29520 6636	18140 4078	0.63	1.39
208-24	1-1/2												0.67	1.47
208-25	1-9/16												0.65	1.43
SA 209	45 mm												0.66	1.45
209-26	1-5/8	3.3465 <b>85</b>	2.500 <b>63.5</b>	1.1890 <b>30.2</b>	1.7165 <b>43.6</b>	0.7205 <b>18.3</b>	0.7480 <b>19</b>	0.3740 <b>9.5</b>	0.2559 <b>6.5</b>	5/16-24 UNF M8 x 1.25	31670 7119	20680 4649	0.74	1.63
209-27	1-11/16												0.72	1.58
209-28	1-3/4												0.67	1.47

Add (G)suffix for regreasable. (ex. SA 205-16G)

# Bearing Insert

## Eccentric Collar Series - Light Duty



### SA...G, SA & CSA

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Basic Load Rating lbf / N		Weight	
	d	D	d1	B	B1	B3	C	S	G	ds	Dynamic Cr	Static Cor	kg	lbs
SA 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	3.5433 <b>90</b>	2.752 <b>69.9</b>	1.1890 <b>30.2</b>	1.7165 <b>43.6</b>	0.7205 <b>18.3</b>	0.7874 <b>20</b>	0.3973 <b>10</b>	0.2559 <b>6.5</b>	5/16-24 UNF M8 x 1	35070 7884	23180 5211	0.80 0.86 0.83 0.79	1.76 1.89 1.83 1.74
SA 211 211-32 211-34 211-35	55 mm 2 2-1/6 2-3/16	3.9370 <b>100</b>	3.000 <b>76.2</b>	1.2795 <b>32.5</b>	1.9055 <b>48.5</b>	0.8150 <b>20.7</b>	0.8270 <b>21</b>	0.4134 <b>10.5</b>	0.3150 <b>8</b>	3/8-24 UNF M10 x 1.25	43380 9752	29220 6569	0.77 0.95 0.86 0.81	1.69 2.09 1.89 1.78
SA 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	4.3310 <b>110</b>	3.315 84.2	1.4606 <b>37.1</b>	2.0906 <b>53.1</b>	0.8780 <b>22.3</b>	0.8660 <b>22</b>	0.4330 <b>11</b>	0.3150 <b>8</b>	3/8-24 UNF M10 x 1.25	47760 10736	32930 7403	0.99 1.00 0.99 0.98	2.18 2.20 2.18 2.16

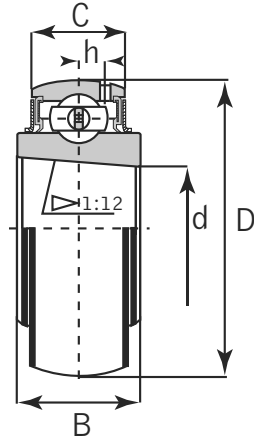
Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)							Basic Load Rating lbf / N	
	d	D	d1	B	B1	B3	C	S	Dynamic Cr	Static Cor
CSA 001F 001-8F 001-9F 002F 002-10F	12 mm 1/2 9/16 15 mm 5/8	1.3780 <b>35</b>	1.000 <b>25.4</b>	0.6250 <b>15.9</b>	0.9375 <b>23.8</b>	0.4375 <b>11.1</b>	0.6250 <b>11</b>	0.2165 <b>5.5</b>	1720 7650	836 3720
CSA 004-F 004-12F	20 mm 3/4	1.6535 <b>42</b>	1.1719 <b>29.8</b>	0.6563 <b>16.7</b>	0.9688 <b>24.6</b>	0.4375 <b>11.1</b>	0.4720 <b>12</b>	0.2362 <b>6</b>	2109 9380	1128 5020
CSA 005F 005-14F 005-15F 005-16F	25 mm 7/8 15/16 1	1.8504 <b>47</b>	1.4219 <b>36.1</b>	0.6875 <b>17.5</b>	1.000 <b>25.4</b>	0.4688 <b>11.9</b>	0.4720 <b>12</b>	0.2362 <b>6</b>	2248 10000	1315 5850
CSA 006F 006-18F 006-19F 006-20F	30 mm 1-1/8 1-3/16 1-1/4	2.1654 <b>55</b>	1.6719 <b>42.5</b>	0.7283 <b>18.5</b>	1.0433 <b>26.5</b>	0.4688 <b>11.9</b>	0.5120 <b>13</b>	0.2559 <b>6.5</b>	2967 13200	1866 8300

Add (G)suffix for regreaseable. (ex. SA 211-32G)



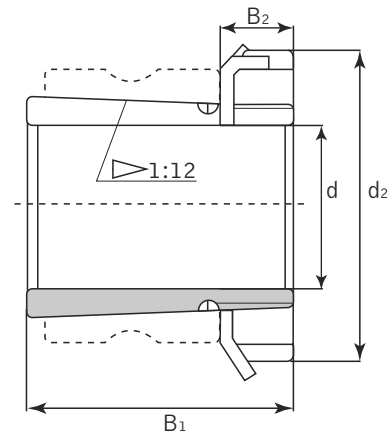
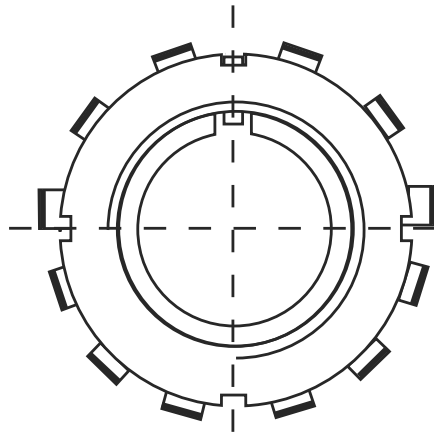
# Bearing Insert

## Bearing Adapter Style - Normal Style



### UK

Part No.	Dimensions (inch / mm)					Basic Load Rating lbf / N		Weight	
	d	D	B	C	h	Dynamic	Static	kg	lbs
UK 205	0.9843 <b>25</b>	1.8504 <b>52</b>	0.9055 <b>23</b>	0.6693 <b>17</b>	0.1535 <b>3.9</b>	2878 14000	1495 7880	0.15	0.33
UK 206	1.1811 <b>30</b>	2.4409 <b>62</b>	1.0236 <b>26</b>	0.7480 <b>19</b>	0.1969 <b>5</b>	4384 19500	2518 11200	0.25	0.55
UK 207	1.3780 <b>35</b>	2.8346 <b>72</b>	1.1417 <b>29</b>	0.7874 <b>20</b>	0.2244 <b>5.7</b>	5777 25700	3417 15200	0.37	0.81
UK 208	1.1496 <b>40</b>	3.1496 <b>80</b>	1.2205 <b>31</b>	0.8268 <b>21</b>	0.2440 <b>6.2</b>	6654 29600	4091 18200	0.48	1.06
UK 209	1.5748 <b>45</b>	3.3465 <b>85</b>	1.2205 <b>31</b>	0.8661 <b>22</b>	0.2520 <b>6.4</b>	7160 31850	4676 20800	0.53	1.17
UK 210	1.9685 <b>50</b>	3.5433 <b>90</b>	1.2598 <b>32</b>	0.9055 <b>23</b>	0.2559 <b>6.5</b>	7890 35100	5215 23200	0.59	1.30
UK 211	2.1654 <b>55</b>	3.9370 <b>100</b>	1.3780 <b>35</b>	1.0630 <b>27</b>	0.2756 <b>7</b>	9790 43550	6564 29200	0.77	1.69
UK 212	2.3622 <b>60</b>	4.3307 <b>110</b>	1.4961 <b>38</b>	1.0630 <b>27</b>	0.2992 <b>7.6</b>	10745 47800	7373 32800	1.03	2.26
UK 213	2.5591 <b>65</b>	4.7244 <b>120</b>	1.5748 <b>40</b>	1.1024 <b>28</b>	0.3346 <b>8.5</b>	12859 57200	8992 40000	1.36	2.99
UK 215	2.9528 <b>75</b>	5.1181 <b>130</b>	1.7323 <b>44</b>	1.1811 <b>30</b>	0.3622 <b>9.2</b>	14837 66000	11128 49500	1.67	3.67
UK 216	3.1496 <b>80</b>	5.5118 <b>140</b>	1.7717 <b>45</b>	1.2598 <b>32</b>	0.3740 <b>9.5</b>	16073 71500	12184 54200	1.96	4.31
UK 217	3.3465 <b>85</b>	5.9055 <b>150</b>	1.8110 <b>46</b>	1.3386 <b>34</b>	0.4016 <b>10.2</b>	18703 83200	14342 63800	2.42	5.32
UK 218	3.5433 <b>90</b>	6.2992 <b>160</b>	1.8504 <b>47</b>	1.4173 <b>36</b>	0.4409 <b>11.2</b>	21558 95900	16073 71500	3.00	6.60



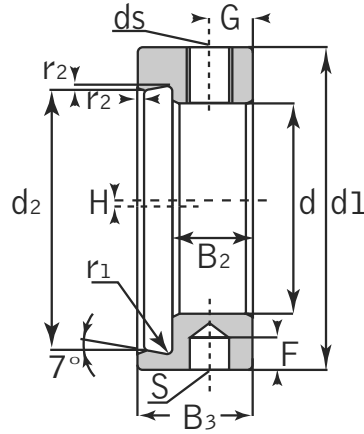
## H 2300

Adapter No.	Shaft Dia. (inch / mm)	Dimensions (mm)			Sleeve No.	Locknut No.	Washer No.	Bearing No.
		d	B1	B2				
H 2305 HE 2305	20 mm 3/4	35	8	38	A 2305 AE 2305	KM 05	MB 05	UK 305 UK 205
H 2306 HA 2306 HE 2306 HS 2306	25 mm 7/8 15/16 1	38	8	45	A 2306 AS 2306 AA 2306 AE 2306	KM 06	MB 06	UK 206 UK 306
H 2307 HA 2307 HS 2307	30 mm 1-1/8 1-3/16	43	9	52	A 2307 AS 2307 AA 2307	KM 07	MB 07	UK 207 UK 307
H 2308 HE 2308 HS 2308	35 mm 1-1/4 1-3/8	46	10	58	A 2308 AE 2308 AS 2308	KM 08	MB 08	UK 208 UK 308
H 2309 HA 2309 HE 2309 HS 2309	40 mm 1-7/16 1-1/2 1-5/8	50	11	65	A 2309 AA 2309 AE 2309 AS 2309	KM 09	MB 09	UK 209 UK 309
H 2310 HA 2310 HE 2310 HS 2310	45 mm 1-5/8 1-11/16 1-3/4	55	12	70	A 2310 AS 2310 AA 2310 AE 2310	KM 10	MB 10	UK 210 UK 310
H 2311 HA 2311 HE 2311 HS 2311	50 mm 1-7/8 1-15/16 2	59	12	75	A 2311 AS 2311 AA 2311 AE 2311	KM 11	MB 11	UK 211 UK 311
H 2312 HS 2312	55 mm 2-1/8	62	13	80	A 2312 AS 2312	KM 12	MB 12	UK 212 UK 312
H 2313 HA 2313 HE 2313 HS 2313	60 mm 2-3/16 2-1/4 2-3/8	65	14	85	A 2313 AA 2313 AE 2313 AS 2313	KM 13	MB 13	UK 213 UK 313
H 2315 HA 2315 HE 2315	65 mm 2-7/16 2-1/2	73	15	98	A 2315 AA 2315 AE 2315	KM 15	MB 15	UK 215 UK 315
H 2316 HA 2316 HE 2316	70 mm 2-11/16 2-3/4	78	17	105	A 2316 AA 2316 AE 2316	KM 16	MB 16	UK 216 UK 316
H 2317 HA 2317 HE 2317	75 mm 2-15/16 3	82	18	110	A 2317 AA 2317 AE 2317	KM 17	MB 17	UK 217 UK 317
H 2318	80 mm	86	18	120	A 2318	KM 18	MB 18	UK 218 UK 318



# Locking Collar

## Eccentric Collar Series



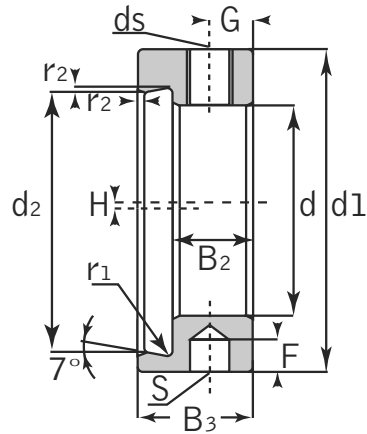
### A 200

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)											Mass	
	d	d <sub>1</sub>	d <sub>2</sub>	B <sub>2</sub>	B <sub>3</sub>	H	r <sub>1</sub>	r <sub>2</sub>	G	F	S	d <sub>s</sub>	kg	lbs
A 201	12 mm													
201-8	1/2													
202	15 mm	1.1260	0.8503	0.374	0.5315	0.0315	0.0157	0.0315	0.1969	0.1378	0.1969	1/4-28 UNF	0.05	0.11
202-10	5/8	<b>28.6</b>	<b>21.6</b>	<b>9.5</b>	<b>13.5</b>	<b>0.8</b>	<b>0.4</b>	<b>0.8</b>	<b>5</b>	<b>3.5</b>	<b>5</b>	M6 x 1	0.05	0.11
203	17 mm													
203-11	11/16													
A 204	20 mm	1.3110	1.0472	0.374	0.5315	0.0315	0.0157	0.0315	0.1969	0.1575	0.1969	1/4-28 UNF	0.06	0.14
204-12	3/4	<b>33.3</b>	<b>26.6</b>	<b>9.5</b>	<b>13.5</b>	<b>0.8</b>	<b>0.4</b>	<b>0.8</b>	<b>5</b>	<b>4</b>	<b>5</b>	M6 x 1		
A 205	25 mm												0.06	0.13
205-14	7/8	1.500	1.2441	0.374	0.5315	0.0315	0.0157	0.0315	0.1969	0.1575	0.1969	1/4-28 UNF	0.07	0.15
205-15	15/16	<b>38.1</b>	<b>31.6</b>	<b>9.5</b>	<b>13.5</b>	<b>0.8</b>	<b>0.4</b>	<b>0.8</b>	<b>5</b>	<b>4</b>	<b>5</b>	M6 x 1	0.06	0.13
205-16	1												0.06	0.13
A 206	30 mm												0.10	0.22
206-18	1-1/8	1.7520	1.4921	0.4685	0.6260	0.0315	0.0157	0.0315	0.2362	0.1575	0.1969	1/4-28 UNF	0.10	0.22
206-19	1-3/16	<b>44.5</b>	<b>37.9</b>	<b>11.9</b>	<b>15.9</b>	<b>0.8</b>	<b>0.4</b>	<b>0.8</b>	<b>6</b>	<b>4</b>	<b>5</b>	M6 x 1	0.10	0.22
206-20	1-1/4												0.09	0.20
A 207	35 mm												0.18	0.40
207-20	1-1/4												0.20	0.44
207-21	1-5/16	2.1890	1.7598	0.5315	0.6890	0.0315	0.0157	0.0315	0.2559	0.1969	0.2756	5/16-24 UNF	0.19	0.42
207-22	1-3/8	<b>55.6</b>	<b>44.7</b>	<b>13.5</b>	<b>17.5</b>	<b>0.8</b>	<b>0.4</b>	<b>0.8</b>	<b>6.5</b>	<b>5</b>	<b>7</b>	M8 x 1	0.18	0.40
207-23	1-7/16												0.17	0.37
A 208	40 mm												0.21	0.46
208-24	1-1/2	2.3740	1.9449	0.5315	0.7205	0.0630	0.0157	0.0472	0.2559	0.1969	0.2756	5/16-24 UNF	0.20	0.44
208-25	1-9/16	<b>60.3</b>	<b>49.4</b>	<b>13.5</b>	<b>18.3</b>	<b>1.6</b>	<b>0.4</b>	<b>1.2</b>	<b>6.5</b>	<b>5</b>	<b>7</b>	M8 x 1	0.21	0.46



# Locking Collar

## Eccentric Collar Series



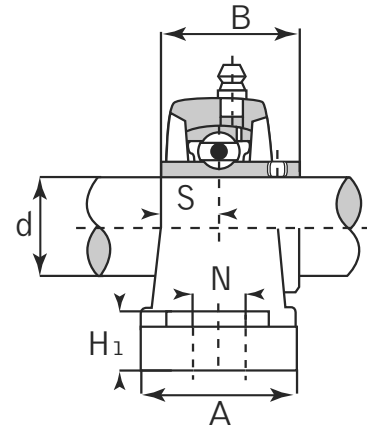
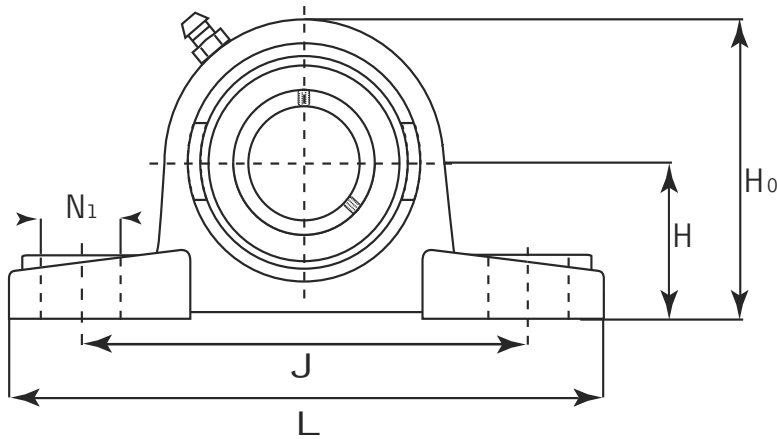
### A 200

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)											Mass	
	d	d1	d2	B2	B3	H	r1	r2	G	F	S	ds	kg	lbs
A 209	45 mm													
209-26	1-5/8	2.500	2.1417	0.5315	0.7205	0.0630	0.0157	0.0472	0.2559	0.1969	0.2756	5/16-24 UNF	0.22	0.48
209-27	1-11/16	<b>63.5</b>	<b>54.4</b>	<b>13.5</b>	<b>18.3</b>	<b>1.6</b>	<b>0.4</b>	<b>1.2</b>	<b>6.5</b>	<b>5</b>	<b>7</b>	M8 x 1	0.25	0.55
209-28	1-3/4												0.22	0.48
A 210	50 mm													
210-30	1-7/8	2.7520	2.3228	0.5315	0.7205	0.0630	0.0157	0.0472	0.2559	0.1969	0.2756	5/16-24 UNF	0.24	0.53
210-31	1-15/16	<b>69.9</b>	<b>59</b>	<b>13.5</b>	<b>18.3</b>	<b>1.6</b>	<b>0.4</b>	<b>1.2</b>	<b>6.5</b>	<b>5</b>	<b>7</b>	M8 x 1	0.26	0.57
210-32	2												0.25	0.55
A 211	55 mm													
211-32	2	3.000	2.5906	0.6260	0.8150	0.0630	0.0236	0.0472	0.3150	0.2362	0.3307	3/8-24 UNF	0.32	0.70
211-34	2-1/8	<b>76.2</b>	<b>65.8</b>	<b>15.9</b>	<b>20.7</b>	<b>1.6</b>	<b>0.6</b>	<b>1.2</b>	<b>8</b>	<b>6</b>	<b>8.4</b>	M10 x 1.25	0.36	0.79
211-35	2-3/16												0.33	0.73
													0.27	0.59
A 212	60 mm													
212-36	2-1/4	3.3150	2.8228	0.6260	0.8780	0.0630	0.0236	0.0630	0.3150	0.2362	0.3307	3/8-24 UNF	0.41	0.90
212-38	2-3/8	<b>84.2</b>	<b>71.7</b>	<b>15.9</b>	<b>22.3</b>	<b>1.6</b>	<b>0.6</b>	<b>1.6</b>	<b>8</b>	<b>6</b>	<b>8.4</b>	M10 x 1.25	0.44	0.97
212-39	2-7/16												0.41	0.90
													0.38	0.84
A 213	65 mm													
213-40	2-1/2	3.3858	3.1102	0.6890	0.9252	0.0630	0.0236	0.0630	0.3346	0.2362	0.3307	3/8-24 UNF	0.39	0.86
		<b>86</b>	<b>79</b>	<b>17.5</b>	<b>23.5</b>	<b>1.6</b>	<b>0.6</b>	<b>1.6</b>	<b>8.5</b>	<b>6</b>	<b>8.4</b>	M10 x 1.25	0.41	0.90
A 214	70 mm													
214-43	2-11/16	3.8110	3.2795	0.6732	0.9252	0.0630	0.0236	0.0630	0.3346	0.2362	0.3465	3/8-24 UNF	0.40	0.88
214-44	2-3/4													
A 215	75 mm													
215-47	2-15/16	4.0157	3.4646	0.6890	0.9409	0.0630	0.0157	0.0630	0.3346	0.2362	0.3465	3/8-24 UNF	0.63	0.39
215-48	3	<b>102</b>	<b>88</b>	<b>17.5</b>	<b>23.9</b>	<b>1.6</b>	<b>0.4</b>	<b>1.6</b>	<b>8.5</b>	<b>6</b>	<b>8.8</b>	M10 x 1.25	0.61	1.34
A 216	80 mm													
216-50	3-1/8	4.3307	3.7244	0.8110	1.0630	0.0630	0.0157	0.0630	0.4055	0.2756	0.4252	7/16 -20 UNF		
		<b>110</b>	<b>94.6</b>	<b>20.6</b>	<b>27</b>	<b>1.6</b>	<b>0.4</b>	<b>1.6</b>	<b>10.3</b>	<b>7</b>	<b>10.8</b>	M12 x 1.25		
A 217	85 mm													
217-52	3-1/4	4.6850	3.9764	0.8110	1.0630	0.0630	0.0157	0.0630	0.4055	0.3150	0.4252	7/16 -20 UNF		
		<b>119</b>	<b>101</b>	<b>20.6</b>	<b>27</b>	<b>1.6</b>	<b>0.4</b>	<b>1.6</b>	<b>10.3</b>	<b>8</b>	<b>10.8</b>	M12 x 1.25		
A 218	90 mm													
216-56	3-1/2	4.7244	4.1535	0.6889	0.9448	0.9842	0.0157	0.0630	0.3740	0.3150	0.4252	7/16 -20 UNF		
		<b>120</b>	<b>105.5</b>	<b>17.5</b>	<b>24</b>	<b>2.4</b>	<b>0.4</b>	<b>1.6</b>	<b>9.5</b>	<b>8</b>	<b>10.8</b>	M12 x 1.25		



# Pillow Block

Normal Duty

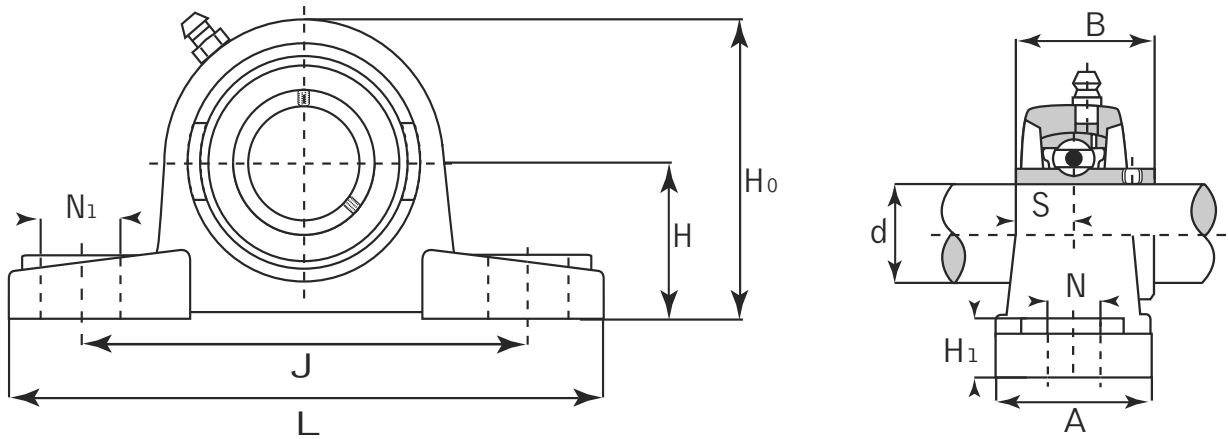


## UCP Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Bolt Size	Bearing No.	Housing No.	Weight	
		d	H	H0	H1	L	J	A	N	N1	S				B	kg
UCP 201 201-8 202 202-9 202-10 203 203-11 204 204-12	12 mm 1/2 15 mm 9/16 5/8 17 mm 11/16 20 mm 3/4	1-5/16 <b>33.3</b>	2-9/16 <b>65</b>	9/16 <b>14</b>	5 <b>127</b>	3-3/4 <b>95</b>	1-1/2 <b>38</b>	1/2 <b>13</b>	3/4 <b>19</b>	0.4921 <b>12.5</b>	1.2204 <b>31</b>	3/8 M10	UC 201 201-8 202 202-9 202-10 203 203-11 204 204-12	P 204	0.66	1.45
UCP 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	1-7/16 <b>36.5</b>	2-25/32 <b>71</b>	19/32 <b>15</b>	5-1/2 <b>140</b>	4-1/8 <b>105</b>	1-1/2 <b>38</b>	1/2 <b>13</b>	3/4 <b>19</b>	0.5629 <b>14.3</b>	1.3425 <b>34.1</b>	3/8 M10	UC 205 205-14 205-15 205-16	P 205	0.85	1.87
UCP 206 206-17 206-18 206-19 206-20	30 mm 1-1/16 1-1/8 1-3/16 1-1/4	1-11/16 <b>42.9</b>	3-5/16 <b>84</b>	21/32 <b>17</b>	6-1/2 <b>165</b>	4-3/4 <b>121</b>	1-7/8 <b>48</b>	43/64 <b>17</b>	25/32 <b>20</b>	0.6259 <b>15.9</b>	1.5 <b>38.1</b>	1/2 M14	UC 206 206-17 206-18 206-19 206-20	P 206	1.27	2.80
UCP 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	1-7/8 <b>47.6</b>	3-21/32 <b>93</b>	45/64 <b>18</b>	6-9/16 <b>167</b>	5 <b>127</b>	1-7/8 <b>48</b>	43/64 <b>17</b>	25/32 <b>20</b>	0.6889 <b>17.5</b>	1.6890 <b>42.9</b>	1/2 M14	UC 207 207-20 207-21 207-22 207-23	P 207	1.60	3.50
UCP 208 208-24 208-25	40 mm 1-1/2 1-9/16	1-15/16 <b>49.2</b>	3-15/16 <b>100</b>	45/64 <b>18</b>	7-1/4 <b>184</b>	5-13/32 <b>137</b>	2-1/8 <b>54</b>	43/64 <b>17</b>	25/32 <b>20</b>	0.7480 <b>19</b>	1.9370 <b>42.9</b>	1/2 M14	UC 208 208-24 208-25	P 208	1.90	4.18
UCP 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	2-1/8 <b>54</b>	4-11/64 <b>106</b>	25/32 <b>20</b>	7-15/32 <b>190</b>	5-3/4 <b>146</b>	2-1/8 <b>54</b>	43/64 <b>17</b>	25/32 <b>20</b>	0.7480 <b>19</b>	1.9370 <b>42.9</b>	1/2 M14	UC 209 209-26 209-27 209-28	P 209	2.2	4.9

# Pillow Block

## Normal Duty



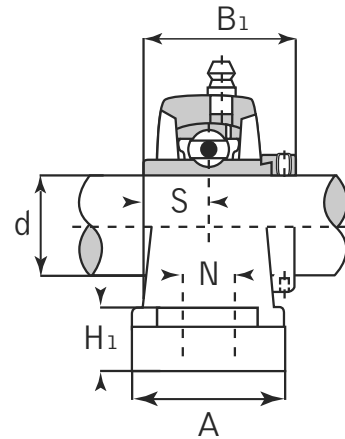
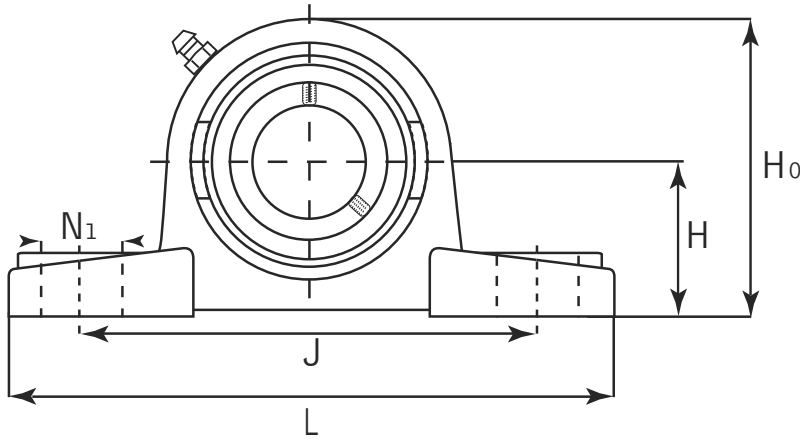
## UCP Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Bolt Size	Bearing No.	Housing No.	Weight	
		d	H	H0	H1	L	J	A	N	N1	S				B	kg
UCP 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	2-1/4 <b>57.2</b>	4-29/64 <b>113</b>	53/64 <b>21</b>	8-1/8 <b>206</b>	6-1/4 <b>159</b>	2-3/8 <b>60</b>	25/32 <b>20</b>	29/32 <b>23</b>	0.7480 <b>19</b>	2.0315 <b>51.6</b>	5/8 M16	UC 210 210-30 210-31 210-32	P 210	2.75	6.05
UCP 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	2-1/2 <b>63.5</b>	4-49/64 <b>125</b>	29/32 <b>23</b>	8-5/8 <b>219</b>	6-47/64 <b>171</b>	2-3/8 <b>60</b>	25/32 <b>20</b>	29/32 <b>23</b>	0.8740 <b>22.2</b>	2.1890 <b>55.6</b>	5/8 M16	UC 211 211-32 211-34 211-35	P 211	3.46	7.61
UCP 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	2-3/4 <b>69.8</b>	5-7/16 <b>138</b>	63/64 <b>25</b>	9-1/2 <b>241</b>	7-1/4 <b>184</b>	2-3/4 <b>70</b>	25/32 <b>20</b>	29/32 <b>23</b>	1.000 <b>25.4</b>	2.5630 <b>65.1</b>	5/8 M16	UC 212 212-36 212-38 212-39	P 212	5.00	11.00
UCP 213 213-40	65 mm 2-1/2	3 <b>76.2</b>	5-29/32 <b>150</b>	1-1/16 <b>27</b>	10-7/16 <b>265</b>	8 <b>203</b>	2-3/4 <b>70</b>	63/64 <b>25</b>	1-3/32 <b>28</b>	1.000 <b>25.4</b>	2.5630 <b>65.1</b>	3/4 M20	UC 213 213-40	P 213	5.24	11.53
UCP 214 214-43 214-44	70 mm 2-11/16 2-3/4	3-1/8 <b>79.4</b>	6-9/64 <b>156</b>	1-1/16 <b>27</b>	10-15/32 <b>266</b>	8-17/64 <b>210</b>	2-27/32 <b>72</b>	63/64 <b>25</b>	1-3/32 <b>28</b>	1.1889 <b>30.2</b>	2.9370 <b>74.6</b>	3/4 M20	UC 214 214-43 214-44	P 214	6.41	14.10
UCP 215 215-47 215-48	75 mm 2-15/16 3	3-1/4 <b>82.6</b>	6-3/8 <b>162</b>	1-3/32 <b>28</b>	10-53/64 <b>275</b>	8-35/64 <b>217</b>	2-29/32 <b>74</b>	63/64 <b>25</b>	1-3/32 <b>28</b>	1.3110 <b>33.3</b>	3.0630 <b>77.8</b>	3/4 M20	UC 215 215-47 215-48	P 215	7.40	16.00
UCP 216 216-50	80 mm 3-1/8	3-1/2 <b>88.9</b>	6-27/32 <b>174</b>	1-3/8 <b>30</b>	11-1/2 <b>292</b>	9-1/8 <b>232</b>	3-1/16 <b>78</b>	63/64 <b>25</b>	1-3/32 <b>28</b>	1.3110 <b>33.3</b>	3.2520 <b>82.6</b>	3/4 M20	UC 216 216-50	P 216	8.28	18.20
UCP 217 217-52 217-55	85 mm 3-1/4 3-7/16	3-3/4 <b>95.2</b>	7-9/32 <b>185</b>	1-1/4 <b>32</b>	12-13/64 <b>310</b>	9-23/32 <b>247</b>	3-17/64 <b>83</b>	63/64 <b>25</b>	1-3/32 <b>28</b>	1.3425 <b>34.1</b>	3.3740 <b>85.7</b>	3/4 M20	UC 217 217-52 217-55	P 217	10.03	22.07
UCP 218 218-56	90 mm 3-1/2	4 <b>101.6</b>	7-51/64 <b>198</b>	1-19/64 <b>33</b>	12-7/8 <b>327</b>	10-5/16 <b>262</b>	3-15/32 <b>88</b>	1-1/16 <b>27</b>	1-3/16 <b>30</b>	1.5629 <b>39.7</b>	3.7795 <b>96</b>	7/8 M22	UC 218 218-56	P 218	12.07	26.55



# Pillow Block

Normal Duty

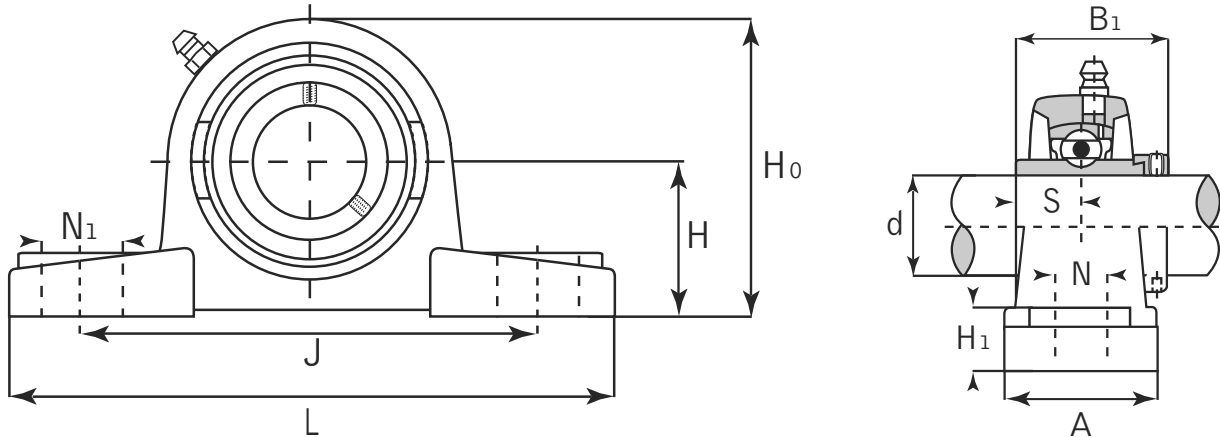


## HCP Eccentric Locking Collar

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Bolt Size	Bearing No.	Housing No.	Weight			
		d	H	H0	H1	L	J	A	N	N1	S				B1	kg	lbs	
HCP 201-8	1/2																0.46	1.01
202	15 mm																0.46	1.01
202-9	9/16																0.46	1.01
202-10	5/8	1-5/16	2-9/16	9/16	5	3-3/4	1-1/2	1/2	5/8	0.6732	1.720						0.47	1.03
203	17 mm	<b>33.3</b>	<b>65</b>	<b>14</b>	<b>127</b>	<b>95</b>	<b>38</b>	<b>13</b>	<b>16</b>	<b>17.1</b>	<b>43.7</b>						0.48	1.06
203-11	11/16																0.49	1.08
204	20 mm																0.73	1.61
204-12	3/4																0.73	1.61
HCP 205	25 mm																0.83	1.83
205-14	7/8	1-7/16	2-25/32	19/32	5-1/2	4-1/8	1-1/2	33/64	3/4	0.6889	1.748						0.92	2.02
205-15	15/16	<b>36.5</b>	<b>71</b>	<b>15</b>	<b>140</b>	<b>105</b>	<b>38</b>	<b>13</b>	<b>19</b>	<b>17.5</b>	<b>44.4</b>						0.90	1.98
205-16	1																0.88	1.94
HCP 206	30 mm																1.37	3.01
206-17	1-1/16	1-11/16	3-5/16	5/8	6-5/16	4-3/4	1-3/4	9/16	3/4	0.7204	1.906						1.37	3.01
206-18	1-1/8	<b>42.9</b>	<b>83</b>	<b>16</b>	<b>160</b>	<b>121</b>	<b>44</b>	<b>14</b>	<b>19</b>	<b>18.3</b>	<b>48.4</b>						1.39	3.06
206-19	1-3/16																1.37	3.01
206-20	1-1/4																1.34	2.95
HCP 207	35 mm																1.70	3.74
207-20	1-1/4	1-7/8	3-21/32	23/32	6-9/16	5	1-7/8	21/32	25/32	0.7401	2.012						1.77	3.89
207-21	1-5/16	<b>47.6</b>	<b>93</b>	<b>18</b>	<b>167</b>	<b>127</b>	<b>48</b>	<b>17</b>	<b>20</b>	<b>18.8</b>	<b>51.1</b>						1.73	3.81
207-22	1-3/8																1.70	3.74
207-23	1-7/16																1.67	3.67
HCP 208	40 mm																2.04	4.49
208-24	1-1/2	1-15/16	3-15/16	23/32	7-1/4	5-13/32	2-1/8	21/32	25/32	0.8425	2.217						2.09	4.60
208-25	1-9/16	<b>49.2</b>	<b>100</b>	<b>18</b>	<b>184</b>	<b>137</b>	<b>54</b>	<b>17</b>	<b>20</b>	<b>21.4</b>	<b>56.3</b>						2.05	4.51

# Pillow Block

## Normal Duty



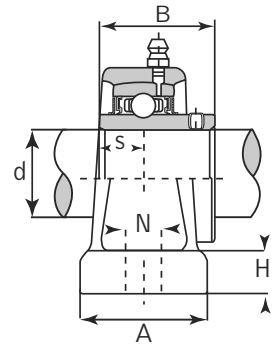
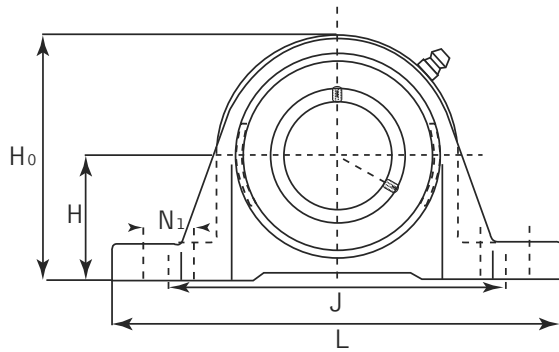
## HCP Eccentric Locking Collar

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Bolt Size	Bearing No.	Housing No.	Weight			
		d	H	H0	H1	L	J	A	N	N1	S				B1	kg	lbs	
HCP 209	45 mm																2.31	5.08
209-26	1-5/8	2-1/8	4-3/16	25/32	7-15/32	5 3/4	2-1/8	21/32	25/32	0.8425	2.217	1/2	HC 209	P 209	2.42	5.32		
209-27	1-11/16	<b>54</b>	<b>106</b>	<b>20</b>	<b>190</b>	<b>146</b>	<b>54</b>	<b>17</b>	<b>20</b>	<b>21.4</b>	<b>56.3</b>	M14	209-27		2.37	5.21		
209-28	1-3/4												209-28		2.33	5.13		
HCP 210	50 mm																2.85	6.27
210-30	1-7/8	2-1/4	4-29/64	53/64	8-1/8	6-1/4	2-3/8	25/32	29/32	0.9685	2.469	5/8	HC 210	P 210	2.94	6.47		
210-31	1-15/16	<b>57.2</b>	<b>113</b>	<b>21</b>	<b>206</b>	<b>159</b>	<b>60</b>	<b>20</b>	<b>23</b>	<b>24.6</b>	<b>62.7</b>	M16	210-31		2.88	6.34		
HCP 211	55 mm																3.52	7.74
211-32	2	2-1/2	4-59/64	29/32	8-5/8	6-47/64	2-3/8	25/32	29/32	1.0944	2.811	5/8	HC 211	P 211	3.72	8.18		
211-34	2-1/8	<b>63.5</b>	<b>125</b>	<b>23</b>	<b>219</b>	<b>171</b>	<b>60</b>	<b>20</b>	<b>23</b>	<b>27.8</b>	<b>71.4</b>	M16	211-34		3.57	7.85		
211-35	2-3/16												211-35		3.49	7.68		
HCP 212	60 mm																5.24	11.53
212-36	2-1/4	2-3/4	5-7/16	63/64	9-1/2	7-1/4	2-3/4	25/32	29/32	1.2204	3.063	5/8	HC 212	P 212	5.40	11.88		
212-38	2-3/8	<b>69.8</b>	<b>138</b>	<b>25</b>	<b>241</b>	<b>184</b>	<b>70</b>	<b>20</b>	<b>23</b>	<b>31</b>	<b>77.8</b>	M16	212-38		5.26	11.57		
212-39	2-7/16												212-39		5.13	11.29		
HCP 213	65 mm																5.71	12.56
213-40	2-1/2	3	5-29/32	1-1/16	10-7/16	8	2-3/4	63/64	1-3/32	1.3425	3.374	3/4	HC 213	P 213	5.81	12.78		
HCP 214	70 mm																6.70	14.74
214-43	2-11/16	3-1/8	6-9/64	1-1/16	10-15/32	8-17/64	2-27/32	63/64	1-3/32	1.3425	3.374	3/4	HC 214	P 214	6.94	15.27		
214-44	2-3/4	<b>79.4</b>	<b>156</b>	<b>27</b>	<b>266</b>	<b>210</b>	<b>72</b>	<b>25</b>	<b>28</b>	<b>34.1</b>	<b>85.7</b>	M20	214-44		6.83	15.03		
HCP 215	75 mm																7.79	17.14
215-47	2-15/16	3-1/4	6-3/8	1-3/32	10-53/64	8-35/64	2-29/32	63/64	1-3/32	1.4685	3.626	3/4	HC 215	P 215	7.96	17.51		
215-48	3	<b>82.6</b>	<b>162</b>	<b>28</b>	<b>275</b>	<b>217</b>	<b>74</b>	<b>25</b>	<b>28</b>	<b>37.3</b>	<b>92.1</b>	M20	215-48		7.83	17.23		
HCP 216	80 mm																8.30	18.26
216-50	3-1/8	3-1/2	6-27/32	1-3/16	11-1/2	9-1/8	3-5/64	63/64	1-3/16	1.4685	3.748	3/4	HC 216	P 216				
		<b>88.9</b>	<b>174</b>	<b>30</b>	<b>292</b>	<b>232</b>	<b>78</b>	<b>25</b>	<b>30</b>	<b>37.3</b>	<b>95.2</b>	M20	216-50					
HCP 217	85 mm																10.17	
217-52	3-1/4	3-3/4	7-5/16	1-1/4	12-13/64	9-23/32	3-17/64	63/64	1-3/16	0.9212	2.882	3/4	HC 217	P 217				
		<b>95.2</b>	<b>186</b>	<b>32</b>	<b>310</b>	<b>247</b>	<b>83</b>	<b>25</b>	<b>30</b>	<b>23.4</b>	<b>73.2</b>	M20	217-52					
HCP 218	90 mm																12.28	
218-56	3-1/2	4	7-25/32	1-19/64	12-53/64	10-5/16	3-29/64	1-1/16	1 3/16	0.9646	2.854	11/16	HC 218	P 218				
		<b>101.6</b>	<b>198</b>	<b>33</b>	<b>326</b>	<b>262</b>	<b>88</b>	<b>27</b>	<b>30</b>	<b>24.5</b>	<b>72.5</b>	M22	218-56					



# Pillow Block

## Normal Duty

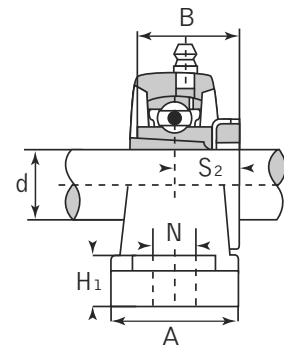
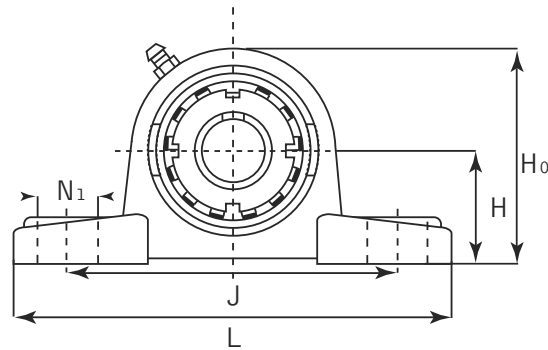


## UCPE Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Bolt Size	Bearing No.	Housing No.	Weight	
		d	H	H0	H1	L	J	A	N	N1	S				B	kg
UCPE 201-8 202 202-9 202-10 203 203-11 204 204-12	1/2 15 mm 9/16 5/8 17 mm 11/16 20 mm 3/4	1-5/16 <b>33.3</b>	2-9/16 <b>65</b>	19/32 <b>15</b>	5 <b>127</b>	3-3/4 <b>95</b>	1-1/2 <b>38</b>	1/2 <b>13</b>	5/8 <b>16</b>	0.500 <b>12.7</b>	1.2205 <b>31</b>	3/8 M10	UC 201-8 202 202-9 202-10 203 203-11 204 204-12	PE 204	0.8	1.76
UCPE 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	1-7/16 <b>36.5</b>	2-3/4 <b>70</b>	5/8 <b>16</b>	5-1/2 <b>140</b>	4-1/8 <b>105</b>	1-1/2 <b>38</b>	1/2 <b>13</b>	5/8 <b>16</b>	0.5629 <b>14.3</b>	1.339 <b>34</b>	3/8 M10	UC 205 205-14 205-15 205-16	PE 205	1	2.2
UCPE 206 206-17 206-18 206-19 206-20	30 mm 1-1/16 1-1/8 1-3/16 1-1/4	1-11/16 <b>42.9</b>	3-9/32 <b>83</b>	23/32 <b>18</b>	6-1/2 <b>165</b>	4-49/64 <b>121</b>	1-7/8 <b>48</b>	21/32 <b>17</b>	13/16 <b>21</b>	0.6259 <b>15.9</b>	1.5 <b>38.1</b>	1/2 M14	UC 206 206-17 206-18 206-19 206-20	PE 206	1.6	3.5
UCPE 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	1-7/8 <b>47.6</b>	3-11/16 <b>94</b>	3/4 <b>19</b>	6-9/16 <b>167</b>	5 <b>127</b>	1-7/8 <b>48</b>	21/32 <b>17</b>	13/16 <b>21</b>	0.6889 <b>17.5</b>	1.689 <b>42.9</b>	1/2 M14	UC 207 207-20 207-21 207-22 207-23	PE 207	2.1	4.6
UCPE 208 208-24 208-25	40 mm 1-1/2 1-9/16	1-15/16 <b>49.2</b>	3-15/16 <b>100</b>	3/4 <b>19</b>	7-1/4 <b>184</b>	5-25/64 <b>137</b>	2-1/8 <b>54</b>	21/32 <b>17</b>	31/32 <b>25</b>	0.7480 <b>19</b>	1.937 <b>49.2</b>	1/2 M14	UC 208 208-24 208-25	PE 208	2.6	5.7
UCPE 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	2-1/8 <b>54</b>	4-1/4 <b>108</b>	25/32 <b>20</b>	7-15/32 <b>190</b>	5-3/4 <b>146</b>	2-1/8 <b>54</b>	21/32 <b>17</b>	31/32 <b>25</b>	0.7480 <b>19</b>	1.937 <b>49.2</b>	1/2 M14	UC 209 209-26 209-27 209-28	PE 209	3	6.6
UCPE 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	2-1/4 <b>57.2</b>	4-1/2 <b>114</b>	7/8 <b>22</b>	8-1/8 <b>206</b>	6-1/4 <b>159</b>	2-3/8 <b>60</b>	25/32 <b>20</b>	31/32 <b>23</b>	0.7480 <b>19</b>	2.0315 <b>51.6</b>	5/8 M16	UC 210 210-30 210-31 210-32	PE 210	3.6	7.9
UCPE 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	2-1/2 <b>63.5</b>	4-31/32 <b>126</b>	7/8 <b>22</b>	8-5/8 <b>219</b>	6-23/32 <b>171</b>	2-3/8 <b>60</b>	25/32 <b>20</b>	31/32 <b>23</b>	0.8740 <b>22.2</b>	2.1890 <b>55.6</b>	5/8 M16	UC 211 211-32 211-34 211-35	PE 211	4.4	9.7
UCPE 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	2-3/4 <b>69.8</b>	5-7/16 <b>138</b>	31/32 <b>25</b>	9-1/2 <b>241</b>	7-1/4 <b>184</b>	2-3/4 <b>70</b>	25/32 <b>20</b>	31/32 <b>25</b>	1.000 <b>25.4</b>	2.5630 <b>65.1</b>	5/8 M16	UC 212 212-36 212-38 212-39	PE 212	6.2	13.6
UCPE 213 213-40	65 mm 2-1/2	3 <b>76.2</b>	5-29/32 <b>150</b>	1-1/16 <b>27</b>	10-7/16 <b>265</b>	8 <b>203</b>	2-3/4 <b>70</b>	31/32 <b>25</b>	1-3/16 <b>29</b>	1.000 <b>25.4</b>	2.5630 <b>65.1</b>	3/4 M20	UC 213 213-40	PE 213	7	15.4
UCPE 214 214-43 214-44	70 mm 2-11/16 2-3/4	3-1/8 <b>79.4</b>	6-3/16 <b>156</b>	1-1/16 <b>27</b>	10-15/32 <b>266</b>	8-9/32 <b>210</b>	2-27/32 <b>72</b>	31/32 <b>25</b>	1-1/4 <b>31</b>	1.1889 <b>30.2</b>	2.9370 <b>74.6</b>	3/4 M20	UC 214 214-43 214-44	PE 214	7.6	16.7
UCPE 215 215-47 215-48	75 mm 2-15/16 3	3-1/4 <b>82.6</b>	6-13/32 <b>162</b>	1-3/32 <b>28</b>	10-13/16 <b>275</b>	8-17/32 <b>217</b>	2-29/32 <b>74</b>	31/32 <b>25</b>	1-1/4 <b>31</b>	1.3110 <b>33.3</b>	3.0630 <b>77.8</b>	3/4 M20	UC 215 215-47 215-48	PE 215	8.5	18.7

# Pillow Block

## Normal Duty



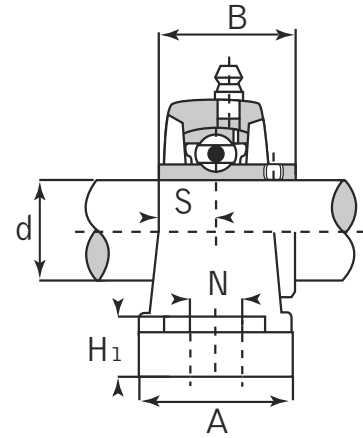
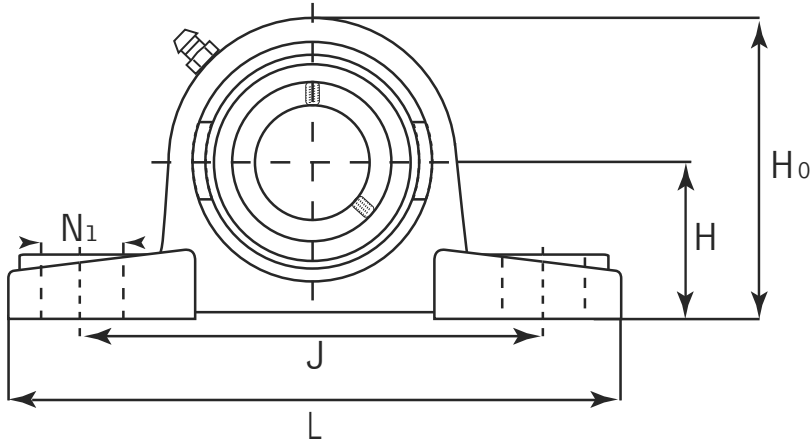
### UKP+H Adapter Sleeve Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Bolt Size	Bearing No.	Adaptor No.	Housing No.	Mass	
		d	H	H0	H1	L	J	A	N	N1	S2					B	kg
UKP 205 + H 2305 + HE 2305	20 mm 3/4	1-7/16 36.5	2-25/32 71	19/32 15	5-1/2 140	4-1/8 105	1-1/2 38	1/2 13	3/4 19	0.7283 19.5	1-3/88 35	3/8 M 10	UK 205	H 2305 HE 2305	P 205	0.86	1.89
UKP 206 + H 2306 + HA 2300 + HE 2306 + HS 2306	25 mm 7/8 15/16 1	1-11/16 42.9	3-5/16 84	43/64 17	6-1/2 165	4-3/4 121	1-7/8 48	43/64 17	25/32 20	0.8071 20.5	1-31/64 38	1/2 M 14	UK 206	H 2306 HA 2300 HE 2306 HS 2306	P 206	1.28	2.82
UKP 207 + H 2307 + HS 2307	30 mm 1-1/8	1-7/8 47.6	3-21/32 93	45/64 18	6-9/16 167	5 127	1-7/8 48	43/64 17	25/32 20	0.8858 22.5	1-11/16 43	1/2 M 14	UK 207	H 2307 HS 2307	P 207	1-7/8	4.11
UKP 208 + H 2308 + HE 2308 + HS 2308	35 mm 1-1/4 1-3/8	1-15/16 49.2	3-15/16 100	45/64 18	7-1/4 184	5-13/32 137	2-1/8 54	43/64 17	25/32 20	0.9646 24.5	1-13/16 46	1/2 M 14	UK 208	H 2308 HE 2308 HS 2308	P 208	1.99	4.38
UKP 209 + H 2309 + HA 2309 + HE 2309 + HS 2309	40 mm 1-7/16 1-1/2 1-5/8	2-1/8 54	4-11/64 106	25/32 20	7-15/32 190	5-3/4 146	2-1/8 54	43/64 17	25/32 20	1.0236 26	1-31/32 50	1/2 M 14	UK 209	H 2309 HA 2309 HE 2309 HS 2309	P 209	1.29	2.84
UKP 210 + H 2310 + HA 2310 + HE 2310 + HS 2310	45 mm 1-5/8 1-11/16 1-3/4	2-1/4 57.2	4-29/64 113	53/64 21	8-1/8 206	6-1/4 159	2-3/8 60	25/32 20	29/32 23	1.0827 27.5	2-11/64 55	5/8 M 16	UK 210	H 2310 HA 2310 HE 2310 HS 2310	P 210	2.83	6.23
UKP 211 + H 2311 + HA 2311 + HE 2311 + HS 2311	50 mm 1-7/8 1-15/16 2	2-1/2 63.5	4-59/64 125	29/32 23	8-5/8 219	6-47/64 171	2-3/8 60	25/32 20	29/32 23	1.1220 28.5	2-21/64 59	5/8 M 16	UK 211	H 2311 HA 2311 HE 2311 HS 2311	P 211	3.46	7.61
UKP 212 + H 2312 + HS 2312	55 mm 2-1/8	2-3/4 69.8	5-7/16 138	63/64 25	9-1/2 241	7-1/4 184	2-3/4 70	25/32 20	29/32 23	1.2205 31	2-7/16 62	5/8 M 16	UK 212	H 2312 HS 2312	P 212	4.95	10.89
UKP 213 + H 2313 + HA 2313 + HE 2313 + HS 2313	60 mm 2-3/16 2-1/4 2-3/8	3 76.2	5-29/32 150	1-1/16 27	10-7/16 265	8 203	2-3/4 70	63/64 25	1-3/32 28	1.2598 32	2-9/16 65	3/4 M 20	UK 213	H 2313 HA 2313 HE 2313 HS 2313	P 213	5.06	11.13
UKP 215 + H 2315 + HA 2315 + HE 2315	65 mm 2-7/16 2-1/2	3-1/4 82.6	6-3/8 162	1-3/32 28	10-53/64 275	8-35/64 217	2-29/32 74	63/64 25	1-3/32 28	1.3976 35.5	2-7/8 73	3/4 M 20	UK 215	H 2315 HA 2315 HE 2315	P 215	7.27	15.99
UKP 216 + H 2316 + HA 2316 + HE 2316	70 mm 2-11/16 2-3/4	3-1/2 88.9	6-27/32 174	1-3/16 30	11-1/2 292	9-1/8 232	3-1/16 78	63/64 25	1-3/32 28	1.5354 39	3-5/64 78	3/4 M 20	UK 216	H 2316 HA 2316 HE 2316	P 216	8.36	18.39
UKP 217 + H 2317 + HA 2317 + HE 2317	75 mm 2-15/16 3	3-3/4 95.2	7-9/32 185	1-1/4 32	12-13/64 310	9-23/32 247	3-17/64 83	63/64 25	1-3/32 28	1.5748 40	3-15/64 82	3/4 M 20	UK 217	H 2317 HA 2317 HE 2317	P 217	10.23	22.51
UKP 218 + H 2318	80 mm	4	7-51/64	1-19/64	12-7/8	10-5/16	3-15/32	1-1/16	1-3/16	1.6535	3-25/64	7/8 M 22	UK 218	H 2318	P 218	12.34	27.15



# Pillow Block

Medium Duty



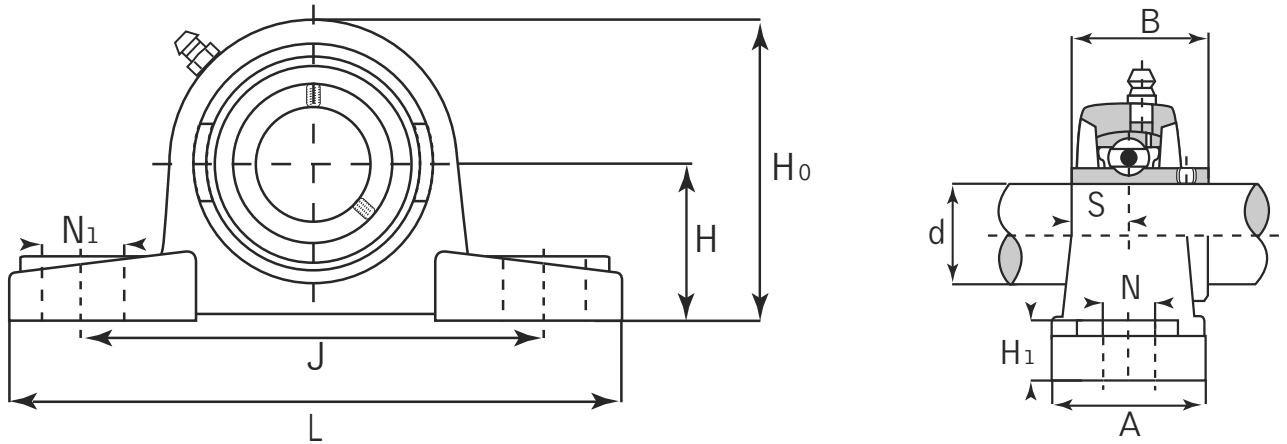
## UCPX Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Bolt Size	Bearing No.	Housing No.	Weight	
		d	H	H0	H1	L	J	A	N	N1	S				B	kg
UCPX 05 05-14 05-15 05-16	25 mm 7/8 15/16 1	1-3/4 <b>44.4</b>	3-11/32 <b>85</b>	23/32 <b>18</b>	6-1/4 <b>159</b>	4-11/16 <b>119</b>	2 <b>51</b>	43/64 <b>17</b>	25/32 <b>20</b>	0.6259 <b>15.9</b>	1.500 <b>38.1</b>	1/2 M14	UCX 05 05-14 05-15 05-16	PX 05	1.50	3.30
UCPX 06 06-18 06-19 06-20	30 mm 1-1/8 1-3/16 1-1/4	1-7/8 <b>47.6</b>	3-21/32 <b>93</b>	25/32 <b>20</b>	6-7/8 <b>175</b>	5 <b>127</b>	2-1/4 <b>57</b>	43/64 <b>17</b>	25/32 <b>20</b>	0.6889 <b>17.5</b>	1.6889 <b>42.9</b>	1/2 M14	UCX 06 06-18 06-19 06-20	PX 06	2.00	4.40
UCPX 07 07-21 07-22 07-23	35 mm 1-5/16 1-3/8 1-7/16	2-1/8 <b>54</b>	4-1/8 <b>105</b>	13/16 <b>21</b>	8 <b>203</b>	5-21/32 <b>144</b>	2-1/4 <b>57</b>	43/64 <b>17</b>	25/32 <b>20</b>	0.7480 <b>19</b>	1.6889 <b>49.2</b>	1/2 M14	UCX 07 07-21 07-22 07-23	PX 07	2.60	5.72
UCPX 08 08-24 08-25	40 mm 1-1/2 1-9/16	2-5/16 <b>58.7</b>	4-3/8 <b>111</b>	1-1/32 <b>26</b>	8-3/4 <b>222</b>	6-5/32 <b>156</b>	2-5/8 <b>67</b>	25/32 <b>20</b>	29/32 <b>23</b>	0.7480 <b>19</b>	1.6889 <b>49.2</b>	5/8 M16	UCX 08 08-24 08-25	PX 08	3.30	7.26
UCPX 09 09-26 09-27 09-28	45 mm 1-5/8 1-11/16 1-3/4	2-5/16 <b>58.7</b>	4-9/16 <b>116</b>	1-1/32 <b>26</b>	8-3/4 <b>222</b>	6-5/32 <b>156</b>	2-5/8 <b>67</b>	25/32 <b>20</b>	29/32 <b>23</b>	0.7480 <b>19</b>	2.0979 <b>51.6</b>	5/8 M16	UCX 09 09-26 09-27 09-28	PX 09	3.30	7.26
UCPX 10 10-30 10-31 10-32	50 mm 1-7/8 1-15/16 2	2-1/2 <b>63.5</b>	4-31/32 <b>126</b>	1-1/16 <b>27</b>	9-1/2 <b>241</b>	6-47/64 <b>171</b>	2-7/8 <b>73</b>	25/32 <b>20</b>	29/32 <b>23</b>	0.8740 <b>22.2</b>	2.1889 <b>55.6</b>	5/8 M16	UCX 10 10-30 10-31 10-32	PX 10	4.30	9.46
UCPX 11 11-35 11-36	55 mm 2-3/16 2-1/4	2-3/4 <b>69.8</b>	5-13/32 <b>137</b>	1-3/16 <b>30</b>	10-1/4 <b>260</b>	7-1/4 <b>184</b>	3-1/8 <b>79</b>	31/32 <b>25</b>	1-3/32 <b>28</b>	1.000 <b>25.4</b>	2.5629 <b>65.1</b>	3/4 M20	UCX 11 11-35 11-36	PX 11	5.70	12.54



# Pillow Block

## Medium Duty



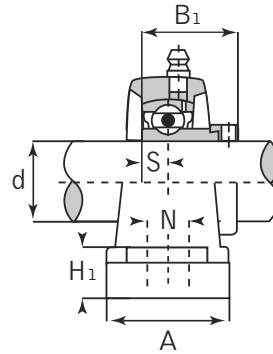
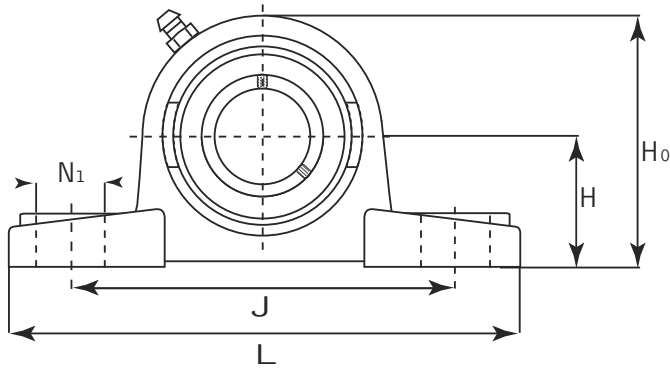
### UCPX Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Bolt Size	Bearing No.	Housing No.	Weight	
		d	H	H0	H1	L	J	A	N	N1	S				B	kg
UCPX 12 12-38 12-39	60 mm 2-3/8 2-7/16	3 <b>76.2</b>	5-15/16 <b>151</b>	1-5/16 <b>33</b>	11-1/4 <b>286</b>	8 <b>203</b>	3-9/32 <b>83</b>	31/32 <b>25</b>	1-3/32 <b>28</b>	1.000 <b>25.4</b>	2.5629 <b>65.1</b>	3/4 M20	UCX 12 12-38 12-39	PX 12	7.30	16.06
UCPX 13 13-40	65 mm 2-1/2	3 <b>76.2</b>	6-1/16 <b>154</b>	1-5/16 <b>33</b>	11-1/4 <b>286</b>	8 <b>203</b>	3-9/32 <b>83</b>	31/32 <b>25</b>	1-3/32 <b>28</b>	1.1889 <b>30.2</b>	2.9370 <b>74.6</b>	3/4 M20	UCX 13 13-40	PX 13	7.60	16.72
UCPX 14 14-44	70 mm 2-3/4	3-1/2 <b>88.9</b>	6-11/16 <b>170</b>	1-3/8 <b>35</b>	13 <b>330</b>	9-1/32 <b>229</b>	3-1/2 <b>89</b>	1-1/16 <b>27</b>	1-3/16 <b>30</b>	1.3110 <b>33.3</b>	3.0629 <b>77.8</b>	7/8 M22	UCX 14 14-44	PX 14	9.90	21.78
UCPX 15 15-47 15-48	75 mm 2-15/16 3	3-1/2 <b>88.9</b>	6-7/8 <b>175</b>	1-3/8 <b>35</b>	13 <b>330</b>	9-1/32 <b>229</b>	3-1/2 <b>89</b>	1-1/16 <b>27</b>	1-3/16 <b>30</b>	1.3110 <b>33.3</b>	3.2519 <b>82.6</b>	7/8 M22	UCX 15 15-47 15-48	PX 15	11.00	24.20
UCPX 16 16-50	80 mm 3-1/8	4 <b>101.6</b>	7-5/8 <b>194</b>	1-9/16 <b>40</b>	15 <b>381</b>	11-5/32 <b>283</b>	4-1/32 <b>102</b>	1-1/16 <b>27</b>	1-3/16 <b>30</b>	1.3425 <b>34.1</b>	3.3740 <b>85.7</b>	3/4 M22	UCX 16 16-50	PX 16	15.00	33.00
UCPX 17 17-52 17-55	85 mm 3-1/4 3-7/16	4 <b>101.6</b>	7-7/8 <b>200</b>	1-9/16 <b>40</b>	15 <b>381</b>	11-5/32 <b>283</b>	4-1/32 <b>102</b>	1-1/16 <b>27</b>	1-3/16 <b>30</b>	1.5236 <b>38.7</b>	3.7795 <b>96</b>	7/8 M22	UCX 17 17-52 17-55	PX 17	16.00	35.20
UCPX 18 18-56	90 mm 3-1/2	4 <b>101.6</b>	8-7/64 <b>206</b>	1-37/64 <b>40</b>	15 <b>381</b>	11-5/32 <b>283</b>	4-3/8 <b>111</b>	1-1/16 <b>27</b>	1-3/16 <b>30</b>	1.6889 <b>42.9</b>	4.0944 <b>104</b>	7/8 M22	UCX 18 18-56	PX 18	17.00	37.40
UCPX 20 20-63 20-64	100 mm 3-15/16 4	5 <b>127</b>	9-39/64 <b>244</b>	1-25/32 <b>45</b>	17 <b>432</b>	13-9/32 <b>337</b>	4-3/4 <b>121</b>	1-5/16 <b>33</b>	1-27/64 <b>36</b>	1.9370 <b>49.2</b>	4.6259 <b>117.5</b>	1 M27	UCX 20 20-63 20-64	PX 20	30.00	66.00

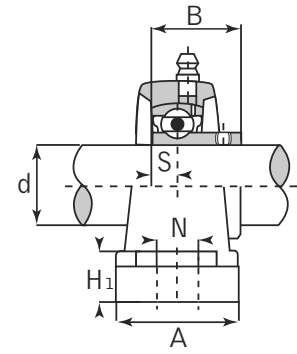


# Pillow Block

Light Duty



SALP-G



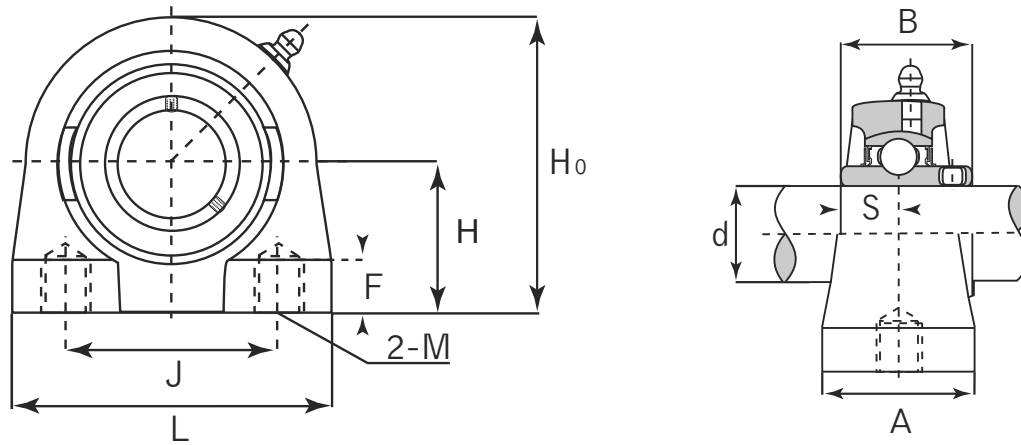
SBLP-G

## SALP-G Eccentric Locking Collar SBLP-G Set Screw Locking

Unit No. SALP-G SBLP-G	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								SALP - G		SBLP - G		Bolt Size	Bearing No. SA-G SB-G	Housing No.	Mass	
		d	H	H0	H1	L	J	A	N	N1	S	B1	S				B	kg
201G 201-8G 202G 202-10G 203G 203-11G	12 mm 1/2 15 mm 5/8 17 mm 1 1/16	1-3/16 <b>30.2</b>	2-1/4 <b>57</b>	15/32 <b>12</b>	4-1/2 <b>114</b>	3-7/16 <b>87</b>	32/32 <b>25</b>	7/16 <b>11</b>	5/8 <b>16</b>	0.7702 <b>6.5</b>	1.1259 <b>28.6</b>	0.2362 <b>6</b>	0.8661 <b>22</b>	3/8 M10	201G 201-8G 202G 202-10G 203G 203-11G	LP 203	0.6	1.32
204G 204-12G	20 mm 3/4	1-5/16 <b>33.3</b>	2-1/2 <b>63.8</b>	9/16 <b>14</b>	4-29/32 <b>125</b>	3-13/16 <b>97</b>	1-1/16 <b>27</b>	29/64 <b>11.5</b>	5/8 <b>16</b>	0.2952 <b>7.5</b>	1.2165 <b>30.9</b>	0.2755 <b>7</b>	0.9842 <b>25</b>	3/8 M10	204G 204-12G	LP 204	0.7	1.43
205G 205-14G 205-15G 205-16G	25 mm 7/8 15/16 1	1-7/16 <b>36.5</b>	2-47/64 <b>69.5</b>	19/32 <b>15</b>	5-1/8 <b>130</b>	3-15/16 <b>100</b>	1-5/32 <b>29</b>	29/64 <b>11.5</b>	5/8 <b>16</b>	0.2952 <b>7.5</b>	1.2165 <b>30.9</b>	0.2952 <b>7.5</b>	1.0629 <b>27</b>	3/8 M10	205G 205-14G 205-15G 205-16G	LP 205	0.7	1.43
206G 206-18G 206-19G 206-20G	30 mm 1-1/8 1-3/16 1-1/4	1-11/16 <b>42.9</b>	3-5/16 <b>84</b>	5/8 <b>16</b>	6-9/64 <b>156</b>	4-3/4 <b>121</b>	1-19/64 <b>33</b>	35/64 <b>14</b>	13/16 <b>21</b>	0.3543 <b>9</b>	1.4055 <b>35.7</b>	0.3149 <b>8</b>	1.1811 <b>30</b>	1/2 M14	206G 206-18G 206-19G 206-20G	LP 206	1.2	2.5
207G 207-20G 207-21G 207-22G 207-23G	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	1-7/8 <b>47.6</b>	3-21/32 <b>93</b>	5/8 <b>16</b>	6-1/2 <b>165</b>	5 <b>127</b>	1-3/8 <b>35</b>	35/64 <b>14</b>	13/16 <b>21</b>	0.3740 <b>9.5</b>	1.5314 <b>38.9</b>	0.3346 <b>8.5</b>	1.2598 <b>32</b>	1/2 M14	207G 207-20G 207-21G 207-22G 207-23G	LP 207	1.6	3.5
208G 208-24G 208-25G	40 mm 1-1/2 1-9/16	2 <b>50.8</b>	4-1/64 <b>102</b>	45/64 <b>18</b>	7-1/4 <b>184</b>	5-1/2 <b>140</b>	1-29/64 <b>37</b>	35/64 <b>14</b>	7/8 <b>22</b>	0.3740 <b>9.5</b>	1.5944 <b>40.5</b>	0.3543 <b>9</b>	1.3385 <b>34</b>	1/2 M14	208G 208-24G 208-25G	LP 208	1.9	4.2

# Pillow Block

## Normal Duty



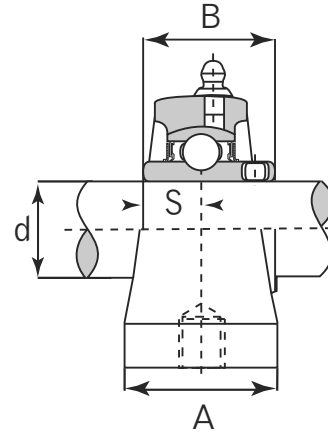
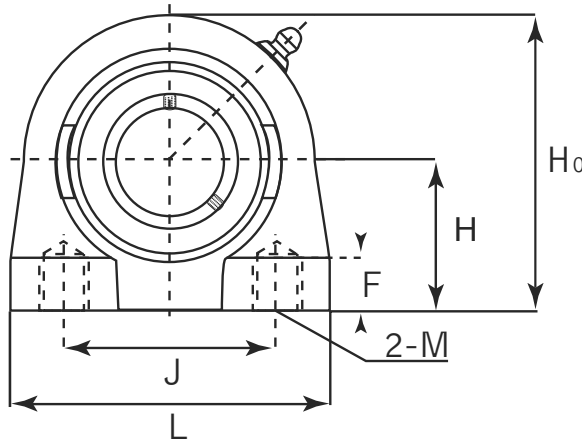
### UCPA Taped Base

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Bolt Size	Bearing No.	Housing No.	Weight	
		d	H	H0	L	J	A	B	S				F	M
UCPA 204 204-12	20 mm 3/4	1-3/16 <b>30.2</b>	2-7/16 <b>62</b>	3 <b>76</b>	2-3/64 <b>52</b>	1-9/16 <b>40</b>	1.2204 <b>31</b>	0.500 <b>12.7</b>	7/16 <b>11</b>	M 10 x 1.5	UC 204 204-12	PA 204	0.56 0.56	1.25 1.25
UCPA 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	1-7/16 <b>36.5</b>	2-53/64 <b>72</b>	3-5/16 <b>84</b>	2-13/64 <b>56</b>	1-1/2 <b>38</b>	1.3425 <b>34.1</b>	0.5629 <b>14.3</b>	15/32 <b>12</b>	M 10 x 1.5	UC 205 205-14 205-15 205-16	PA 205	0.83 0.86 0.84 0.83	1.83 1.89 1.85 1.83
UCPA 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	1-11/16 <b>42.9</b>	3-5/16 <b>84</b>	3-45/64 <b>94</b>	2-19/32 <b>66</b>	1-31/32 <b>50</b>	1.5 <b>38.1</b>	0.6259 <b>15.9</b>	15/32 <b>12</b>	M 14 x 2	UC 206 206-18 206-19 206-20	PA 206	1.12 1.14 1.12 1.11	2.46 2.51 2.46 2.44
UCPA 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	1-7/8 <b>47.6</b>	3-47/64 <b>95</b>	4-21/64 <b>110</b>	3-5/32 <b>80</b>	2-11/64 <b>55</b>	1.6889 <b>42.9</b>	0.6889 <b>17.5</b>	33/64 <b>13</b>	M 14 x 2	UC 207 207-20 207-21 207-22 207-23	PA 207	1.48 1.48 1.54 1.48 1.45	3.26 3.26 3.39 3.26 3.19
UCPA 208 208-24 208-25	40 mm 1-1/2 1-9/16	1-15/16 <b>42.9</b>	3-15/16 <b>100</b>	4-9/16 <b>116</b>	3-5/16 <b>84</b>	2-9/32 <b>58</b>	1.9370 <b>49.2</b>	0.7480 <b>19</b>	33/64 <b>13</b>	M 14 x 2	UC 208 208-24 208-25	PA 208	1.89 1.93 1.90	4.16 4.25 4.18
UCPA 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	2-9/64 <b>54.2</b>	4-1/4 <b>108</b>	4-23/32 <b>120</b>	3-35/64 <b>90</b>	2-23/64 <b>60</b>	1.9370 <b>49.2</b>	0.7480 <b>19</b>	33/64 <b>13</b>	M 14 x 2	UC 209 209-26 209-27 209-28	PA 209	1.98 2.08 2.04 2.00	4.36 4.58 4.49 4.40
UCPA 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	2-1/4 <b>57.2</b>	4-9/16 <b>116</b>	5-1/8 <b>130</b>	3-45/64 <b>94</b>	2-33/64 <b>64</b>	2.0314 <b>51.6</b>	0.7480 <b>19</b>	35/64 <b>14</b>	M 16 x 2	UC 210 210-30 210-31 210-32	PA 210	2.16 2.23 2.16 2.14	4.75 4.91 4.75 4.71
UCPA 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	2-1/2 <b>63.5</b>	4-59/64 <b>125</b>	5-33/64 <b>140</b>	4-3/32 <b>104</b>	2-19/32 <b>66</b>	2.1889 <b>55.6</b>	0.8740 <b>22.2</b>	35/64 <b>14</b>	M 16 x 2	UC 211 211-32 211-34 211-35	PA 211	3.26 3.41 3.30 3.24	7.17 7.50 7.26 7.13
UCPA 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	2-3/4 <b>69.9</b>	5-7/16 <b>138</b>	5-29/32 <b>150</b>	4-31/64 <b>114</b>	2-43/64 <b>68</b>	2.5629 <b>65.1</b>	1.000 <b>25.4</b>	19/32 <b>15</b>	M 16 x 2	UC 212 212-36 212-38 212-39	PA 212	4.19 4.32 4.17 4.10	9.22 9.50 9.17 9.02



# Pillow Block

Normal Duty

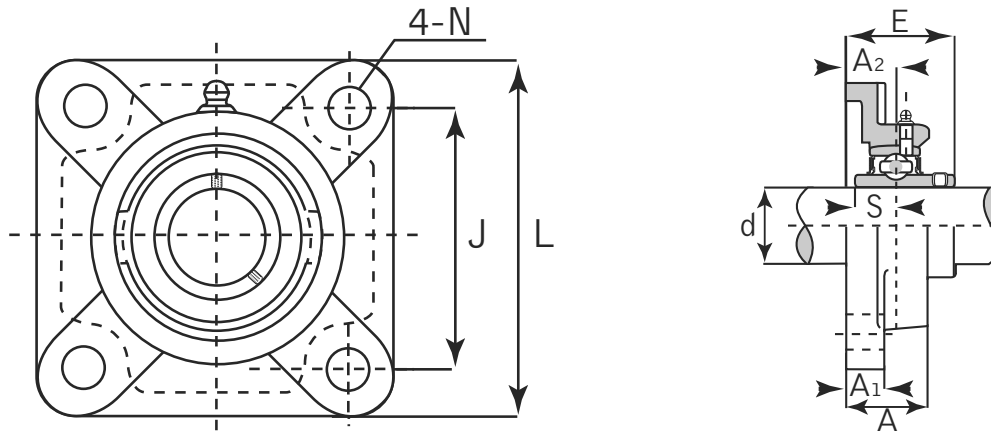


## UCTB Taped Base

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Bolt Size	Bearing No.	Housing No.	Weight	
		d	H	H0	L	J	A	B	S	F				M	kg
UCTB 204 204-12	20 mm 3/4	1-5/16 <b>33.3</b>	2-33/64 <b>64</b>	2-9/16 <b>65</b>	2 <b>50.8</b>	1-17/64 <b>32</b>	1.2204 <b>31</b>	0.500 <b>12.7</b>	37/64 <b>14.5</b>	3/8-16 UNC	UC 204 204-12	TB 204	0.46 0.46	1.01 1.01	
UCTB 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	1-7/16 <b>36.5</b>	2-3/4 <b>70</b>	2-3/4 <b>70</b>	2 <b>50.8</b>	1-27/64 <b>36</b>	1.3425 <b>34.1</b>	0.5629 <b>14.3</b>	33/64 <b>13</b>	3/8-16 UNC	UC 205 205-14 205-15 205-16	TB 205	0.67 0.70 0.68 0.67	1.47 1.54 1.50 1.47	
UCTB 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	1-11/16 <b>42.9</b>	3-15/64 <b>82</b>	3-55/64 <b>98</b>	3 <b>76.2</b>	1-37/64 <b>40</b>	1.5 <b>38.1</b>	0.6259 <b>15.9</b>	5/8 <b>16</b>	7/16-14 UNC	UC 206 206-18 206-19 206-20	TB 206	1.12 1.14 1.12 1.11	2.46 2.51 2.46 2.44	
UCTB 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	1-7/8 <b>47.6</b>	3-21/32 <b>93</b>	4-1/16 <b>103</b>	3-1/4 <b>82.6</b>	1-49/64 <b>45</b>	1.6889 <b>42.9</b>	0.6889 <b>17.5</b>	3/4 <b>19</b>	1/2-13 UNC	UC 207 207-20 207-21 207-22 207-23	TB 207	1.38 1.44 1.41 1.38 1.35	3.04 3.17 3.10 3.04 2.97	
UCTB 208 208-24 208-25	40 mm 1-1/2 1-9/16	1-15/16 <b>49.2</b>	3-57/64 <b>99</b>	4-9/16 <b>116</b>	3-1/2 <b>88.9</b>	1-57/64 <b>48</b>	1.6889 <b>49.2</b>	0.7480 <b>19</b>	3/4 <b>19</b>	1/2-13 UNC	UC 208 208-24 208-25	TB 208	1.86 1.90 1.87	4.09 4.18 4.11	
UCTB 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	2-1/8 <b>53.9</b>	4-7/32 <b>107</b>	4-23/32 <b>120</b>	3-3/4 <b>95.3</b>	1-57/64 <b>48</b>	1.6889 <b>49.2</b>	0.7480 <b>19</b>	3/4 <b>19</b>	1/2-13 UNC	UC 209 209-26 209-27 209-28	TB 209	1.92 2.02 1.98 1.94	4.22 4.44 4.36 4.27	
UCTB 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	2-1/4 <b>57.2</b>	4-17/32 <b>115</b>	5-5/16 <b>135</b>	4 <b>101.6</b>	2-1/8 <b>54</b>	2.0314 <b>51.6</b>	0.7480 <b>19</b>	55/64 <b>22</b>	5/8-11 UNC	UC 210 210-30 210-31 210-32	TB 210	2.24 2.31 2.26 2.22	4.93 5.08 4.97 4.88	

# Four-Bolt Holes Flange Unit

Normal Duty



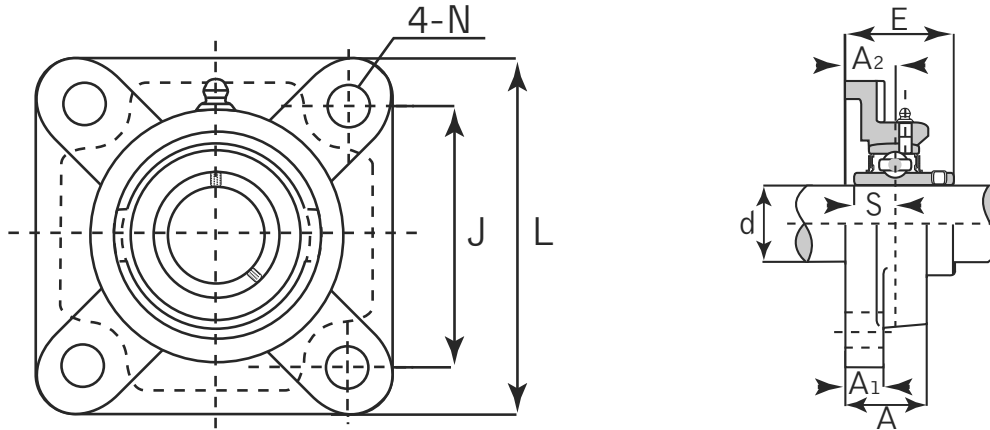
## UCF Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Bolt Size	Bearing No.	Housing No.	Weight	
		d	L	J	A	A1	A2	N	E				S	kg
UCF 201 201-8 202 202-10 203 203-11	12 mm 1/2 15 mm 5/8 17 mm 11/16	3-3/8 <b>86</b>	2-33/64 <b>64</b>	1 <b>25.4</b>	15/32 <b>12</b>	19/32 <b>15</b>	15/32 <b>12</b>	1-5/16 <b>33.3</b>	0.500 <b>12.7</b>	3/8 M10	UC 201 201-8 202 202-10 203 203-11	F 204	0.7	1.5
UCF 204 204-12	20 mm 3/4	3-3/8 <b>86</b>	2-33/64 <b>64</b>	1 <b>25.4</b>	15/32 <b>12</b>	19/32 <b>15</b>	15/32 <b>12</b>	1-5/16 <b>33.3</b>	0.500 <b>12.7</b>	3/8 M10	UC 204 204-12	F 204	0.6	1.3
UCF 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3-3/4 <b>95</b>	2-3/4 <b>70</b>	1-1/16 <b>27</b>	35/64 <b>14</b>	5/8 <b>16</b>	15/32 <b>12</b>	1-13/32 <b>35.8</b>	0.5629 <b>14.3</b>	3/8 M10	UC 205 205-14 205-15 205-16	F 205	0.8	1.8
UCF 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	4-1/4 <b>108</b>	3-1/4 <b>82.6</b>	1-7/32 <b>31</b>	35/64 <b>14</b>	45/64 <b>18</b>	15/32 <b>12</b>	1-37/64 <b>40.2</b>	0.6259 <b>15.9</b>	3/8 M10	UC 206 206-18 206-19 206-20	F 206	1.0	2.2
UCF 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	4-39/64 <b>117</b>	3-5/8 <b>92</b>	1-11/32 <b>34</b>	5/8 <b>16</b>	3/4 <b>19</b>	35/64 <b>14</b>	1-3/4 <b>44.4</b>	0.6889 <b>17.5</b>	7/16 M12	UC 207 207-20 207-21 207-22 207-23	F 207	1.4	3.1
UCF 208 208-24 208-25	40 mm 1-1/2 1-9/16	5-1/8 <b>130</b>	4-1/64 <b>102</b>	1-13/32 <b>36</b>	5/8 <b>16</b>	53/64 <b>21</b>	5/8 <b>16</b>	2-1/64 <b>51.2</b>	0.7480 <b>19</b>	1/2 M14	UC 208 208-24 208-25	F 208	1.8	4.0
UCF 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	5-13/32 <b>137</b>	4-9/64 <b>105</b>	1-1/2 <b>38</b>	23/32 <b>18</b>	55/64 <b>22</b>	5/8 <b>16</b>	2-1/16 <b>52.2</b>	0.7480 <b>19</b>	1/2 M14	UC 209 209-26 209-27 209-28	F 209	2.2	4.9



# Four-Bolt Holes Flange Unit

Normal Duty

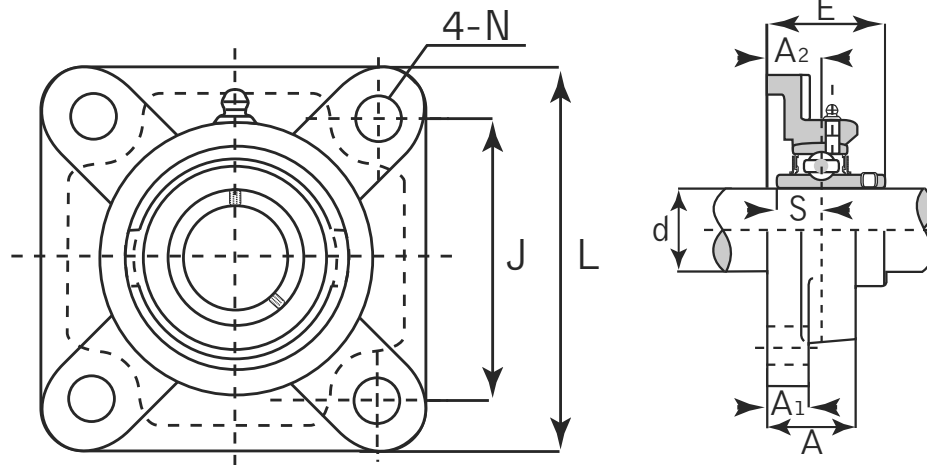


## UCF Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Bolt Size	Bearing No.	Housing No.	Weight	
		d	L	J	A	A1	A2	N	E				S	kg
UCF 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	5-5/8 <b>143</b>	4-3/8 <b>111</b>	1-9/16 <b>40</b>	23/32 <b>18</b>	55/64 <b>22</b>	5/8 <b>16</b>	2-5/32 <b>54.6</b>	0.7480 <b>19</b>	1/2 M14	UC 210 210-30 210-31 210-32	F 210	2.4	5.3
UCF 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	6-3/8 <b>162</b>	5-1/8 <b>130</b>	1-11/16 <b>43</b>	25/32 <b>20</b>	63/64 <b>25</b>	3/4 <b>19</b>	2-19/64 <b>58.4</b>	0.8740 <b>22.2</b>	5/8 M16	UC 211 211-32 211-34 211-35	F 211	3.6	7.9
UCF 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	6-57/64 <b>175</b>	5-5/8 <b>143</b>	1-57/64 <b>48</b>	25/32 <b>20</b>	1-9/64 <b>29</b>	3/4 <b>19</b>	2-45/64 <b>68.7</b>	1.000 <b>25.4</b>	5/8 M16	UC 212 212-36 212-38 212-39	F 212	4.4	9.7
UCF 213 213-40	65 mm 2-1/2	7-23/64 <b>187</b>	5-55/64 <b>149</b>	1-31/32 <b>50</b>	55/64 <b>22</b>	1-3/16 <b>30</b>	3/4 <b>19</b>	2-3/4 <b>69.7</b>	1.000 <b>25.4</b>	5/8 M16	UC 213 213-40	F 213	5.5	12
UCF 214 214-43 214-44	70 2-11/16 2-3/4	7-19/32 <b>193</b>	5-63/64 <b>152</b>	2-1/8 <b>54</b>	55/64 <b>22</b>	1-7/32 <b>31</b>	3/4 <b>19</b>	2-31/32 <b>75.4</b>	1.1889 <b>30.2</b>	5/8 M16	UC 214 214-43 214-44	F 214	6.1	13
UCF 215 215-47 215-48	75 mm 2-7/8 2-15/16 3	7-7/8 <b>200</b>	6-17/64 <b>159</b>	2-7/32 <b>56</b>	55/64 <b>22</b>	1-11/32 <b>34</b>	3/4 <b>19</b>	3-3/32 <b>78.5</b>	1.3110 <b>33.3</b>	5/8 M16	UC 215 215-47 215-48	F 215	6.9	15
UCF 216 216-50	80 mm 3-1/8	8-3/16 <b>208</b>	6-1/2 <b>165</b>	2-9/32 <b>58</b>	55/64 <b>22</b>	1-11/32 <b>34</b>	29/32 <b>23</b>	3-9/32 <b>83.3</b>	1.3110 <b>33.3</b>	3/4 M20	UC 216 216-50	F 216	8.1	18
UCF 217 217-52 217-55	85 mm 3-1/4 3-7/16	8-21/32 <b>220</b>	6-57/64 <b>175</b>	2-15/32 <b>63</b>	15/16 <b>24</b>	1-27/64 <b>36</b>	29/32 <b>23</b>	3-29/64 <b>87.6</b>	1.3425 <b>34.1</b>	3/4 M20	UC 217 217-52 217-55	F 217	9.3	21
UCF 218 218-56	90 mm 3-1/2	9-1/4 <b>235</b>	7-23/64 <b>187</b>	2-11/16 <b>68</b>	15/16 <b>24</b>	1-37/64 <b>40</b>	29/32 <b>23</b>	3-51/64 <b>96.3</b>	1.5629 <b>39.7</b>	3/4 M20	UC 218 218-56	F 218	11	24

# Four-Bolt Holes Flange Unit

## Medium Duty



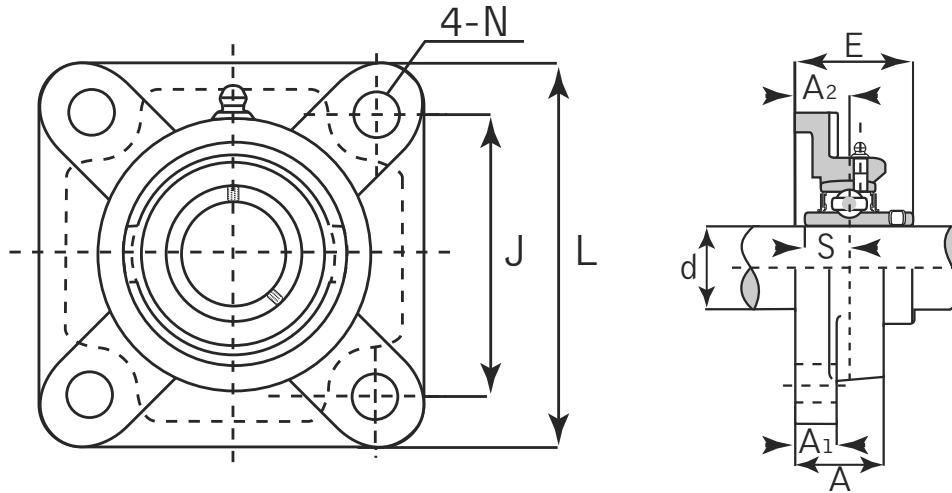
### UCFX Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Bolt Size	Bearing No.	Housing No.	Weight	
		d	L	J	A	A1	A2	N	E				S	kg
UCFX 05 05-14 05-15 05-16	25 mm 7/8 15/16 1	4-1/4 <b>108</b>	3-17/64 <b>83</b>	1-3/16 <b>30</b>	1/2 <b>13</b>	45/64 <b>18</b>	15/32 <b>12</b>	1-19/32 <b>40.2</b>	0.6259 <b>15.9</b>	3/8 M10	UCX 05 05-14 05-15 05-16	FX 05	1.00	2.20
UCFX 06 06-18 06-19 06-20	30 mm 1-1/8 1-3/16 1-1/4	4-39/64 <b>117</b>	3-5/8 <b>92</b>	1-11/32 <b>34</b>	9/16 <b>14</b>	3/4 <b>19</b>	5/8 <b>16</b>	1-3/4 <b>44.4</b>	0.6889 <b>17.5</b>	1/2 M14	UCX 06 06-18 06-19 06-20	FX 06	1.70	3.74
UCFX 07 07-21 07-22 07-23	35 mm 1-5/16 1-3/8 1-7/16	5-1/8 <b>130</b>	4-1/64 <b>102</b>	1-1/2 <b>38</b>	9/16 <b>14</b>	53/64 <b>21</b>	5/8 <b>16</b>	2-1/64 <b>51.2</b>	0.7480 <b>19</b>	1/2 M 14	UCX 07 07-21 07-22 07-23	FX 07	2.10	4.62
UCFX 08 08-24 08-25	40 mm 1-1/2 1-9/16	5-13/32 <b>137</b>	4-9/64 <b>105</b>	1-9/16 <b>40</b>	9/16 <b>14</b>	55/64 <b>22</b>	3/4 <b>19</b>	2-1/64 <b>52.2</b>	0.7480 <b>19</b>	5/8 M 16	UCX 08 08-24 08-25	FX 08	2.40	5.28
UCFX 09 09-26 09-27 09-28	45 mm 1-5/8 1-11/16 1-3/4	5-5/8 <b>143</b>	4-3/8 <b>111</b>	1-9/16 <b>40</b>	9/16 <b>14</b>	29/32 <b>23</b>	3/4 <b>19</b>	2-3/16 <b>55.6</b>	0.7480 <b>19</b>	5/8 M 16	UCX 09 09-26 09-27 09-28	FX 09	2.50	5.50
UCFX 10 10-30 10-31 10-32	50 mm 1-7/8 1-15/16 2	6-3/8 <b>162</b>	5-1/8 <b>130</b>	1-23/32 <b>44</b>	25/32 <b>20</b>	1-1/32 <b>26</b>	3/4 <b>19</b>	2-11/32 <b>59.4</b>	0.8740 <b>22.2</b>	5/8 M 16	UCX 10 10-30 10-31 10-32	FX 10	3.90	8.58



# Four-Bolt Holes Flange Unit

Medium Duty



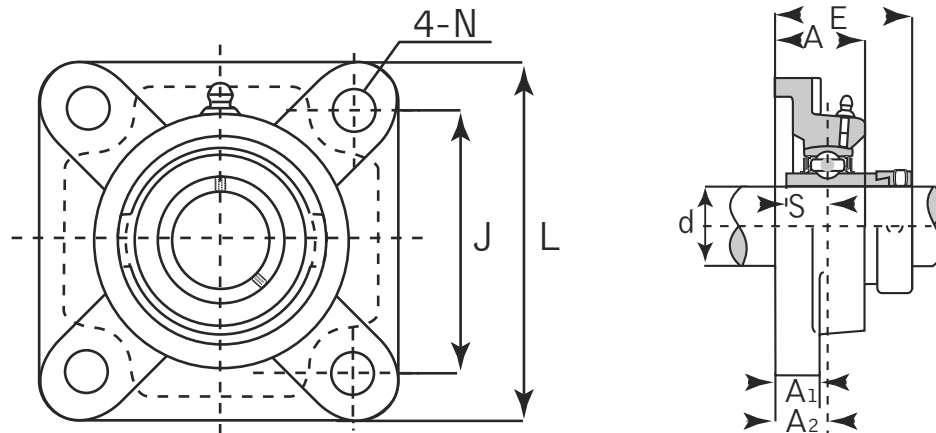
## UCFX Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Bolt Size	Bearing No.	Housing No.	Weight	
		d	L	J	A	A1	A2	N	E				S	kg
UCFX 11 11-35 11-36	55 mm 2-3/16 2-1/4	6-57/64 <b>175</b>	5-5/8 <b>143</b>	1-15/16 <b>49</b>	25/32 <b>20</b>	1-9/64 <b>29</b>	3/4 <b>19</b>	2-45/64 <b>68.7</b>	1.000 <b>25.4</b>	5/8 M 16	UCX 11 11-35 11-36	FX 11	4.90	10.78
UCFX 12 12-38 12-39	60 mm 2-3/8 2-7/16	7-23/64 <b>187</b>	5-55/64 <b>149</b>	2-5/16 <b>59</b>	13/16 <b>21</b>	1-11/32 <b>34</b>	3/4 <b>19</b>	2-29/32 <b>73.7</b>	1.000 <b>25.4</b>	5/8 M 16	UCX 12 12-38 12-39	FX 12	5.20	11.44
UCFX 13 13-40	65 mm 2-1/2	7-23/64 <b>187</b>	5-55/64 <b>149</b>	2-5/16 <b>59</b>	13/16 <b>21</b>	1-11/32 <b>34</b>	3/4 <b>19</b>	3-3/32 <b>78.4</b>	1.1889 <b>30.2</b>	5/8 M 16	UCX 13 13-40	FX 13	5.30	11.66
UCFX 14 14-44	70 mm 2-3/4	7-3/4 <b>197</b>	5-63/64 <b>152</b>	2-3/8 <b>60</b>	15/16 <b>24</b>	1-29/64 <b>37</b>	29/32 <b>23</b>	3-13/64 <b>81.5</b>	1.3110 <b>33.3</b>	3/4 M 20	UCX 14 14-44	FX 14	7.30	16.06
UCFX 15 15-47 15-48	75 mm 2-15/16 3	7-3/4 <b>197</b>	5-63/64 <b>152</b>	2-11/16 <b>68</b>	15/16 <b>24</b>	1-37/64 <b>40</b>	29/32 <b>23</b>	3-33/64 <b>89.3</b>	1.3110 <b>33.3</b>	3/4 M 20	UCX 15 15-47 15-48	FX 15	8.10	17.82
UCFX 16 16-50	80 mm 3-1/8	8-7/16 <b>214</b>	6-47/64 <b>171</b>	2-3/4 <b>70</b>	15/16 <b>24</b>	1-37/64 <b>40</b>	29/32 <b>23</b>	3-39/64 <b>91.6</b>	1.3425 <b>34.1</b>	3/4 M 20	UCX 16 16-50	FX 16	9.90	21.78
UCFX 17 17-52 17-55	85 mm 3-1/4 3-7/16	8-7/16 <b>214</b>	6-47/64 <b>171</b>	2-3/4 <b>70</b>	15/16 <b>24</b>	1-37/64 <b>40</b>	29/32 <b>23</b>	3-25/32 <b>96.3</b>	1.5629 <b>39.7</b>	3/4 M 20	UCX 17 17-52 17-55	FX 17	11.00	24.20
UCFX 18 18-56	90 mm 3-1/2	8-7/16 <b>214</b>	6-47/64 <b>171</b>	3 <b>76</b>	15/16 <b>24</b>	1-49/64 <b>45</b>	29/32 <b>23</b>	4-3/16 <b>106.1</b>	1.6889 <b>42.9</b>	3/4 M 20	UCX 18 18-56	FX 18	11.00	24.20
UCFX 20 20-63 20-64	100 mm 3-15/16 4	10-9/16 <b>268</b>	8-5/16 <b>211</b>	3-13/16 <b>97</b>	1-7/32 <b>31</b>	2-21/64 <b>59</b>	1-7/32 <b>31</b>	5-1/64 <b>127.3</b>	1.6889 <b>42.9</b>	1 M 27	UCX 20 20-63 20-64	FX 20	17.00	28.71



# Four-Bolt Holes Flange Unit

Normal Duty



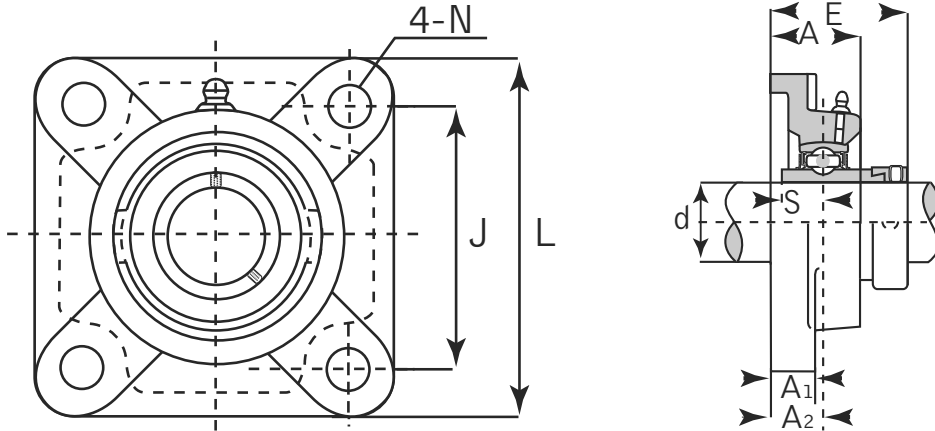
## HCFU Eccentric Locking Collar

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Bolt Size	Bearing No.	Housing No.	Weight	
		d	L	J	A	A1	A2	N	E				S	kg
HCFU 201 201-8 202 202-10 203 203-11 204 204-12	12 mm 1/2 15 mm 5/8 17 mm 11/16 20 mm 3/4	3-3/8 <b>76</b>	2-1/2 <b>54</b>	1-5/32 <b>25.5</b>	19/32 <b>11</b>	3/4 <b>15</b>	15/32 <b>11.5</b>	1-51/64 <b>45.6</b>	0.6732 <b>17.1</b>	3/8 M10	HC 201 201-8 202 202-10 203 203-11 204 204-12	FU 204	0.89	1.96
HCFU 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3-21/32 <b>93</b>	2-3/4 <b>70</b>	1-3/16 <b>30</b>	19/32 <b>15</b>	3/4 <b>19</b>	15/32 <b>12</b>	1-13/16 <b>45.9</b>	0.6889 <b>17.5</b>	3/8 M10	HC 205 205-14 205-15 205-16	FU 205	0.81	1.78
HCFU 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	4-11/64 <b>106</b>	3-1/4 <b>82.5</b>	1-9/32 <b>32.5</b>	5/8 <b>16</b>	25/32 <b>20</b>	15/32 <b>12</b>	1-31/32 <b>50.1</b>	0.7204 <b>18.3</b>	3/8 M10	HC 206 206-18 206-19 206-20	FU 206	1.16	2.55
HCFU 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	4-9/16 <b>116</b>	3-5/8 <b>92</b>	1-3/8 <b>35</b>	43/64 <b>17</b>	53/64 <b>21</b>	35/64 <b>14</b>	2-3/32 <b>53.3</b>	0.7401 <b>18.8</b>	7/16 M12	HC 207 207-20 207-21 207-22 207-23	FU 207	1.50	3.30
HCFU 208 208-24 208-25	40 mm 1-1/2 1-9/16	5-5/64 <b>129</b>	4 <b>101.5</b>	1-17/32 <b>39</b>	43/64 <b>17</b>	15/16 <b>24</b>	35/64 <b>14</b>	2-5/16 <b>58.9</b>	0.8425 <b>21.4</b>	7/16 M12	HC 208 208-24 208-25	FU 208	1.95	4.29
HCFU 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	5-5/16 <b>135</b>	4-9/64 <b>105</b>	1-37/64 <b>40</b>	45/64 <b>18</b>	15/16 <b>24</b>	5/8 <b>16</b>	2-5/16 <b>58.9</b>	0.8425 <b>21.4</b>	1/2 M14	HC 209 209-26 209-27 209-28	FU 209	2.27	4.99



# Four-Bolt Holes Flange Unit

Normal Duty

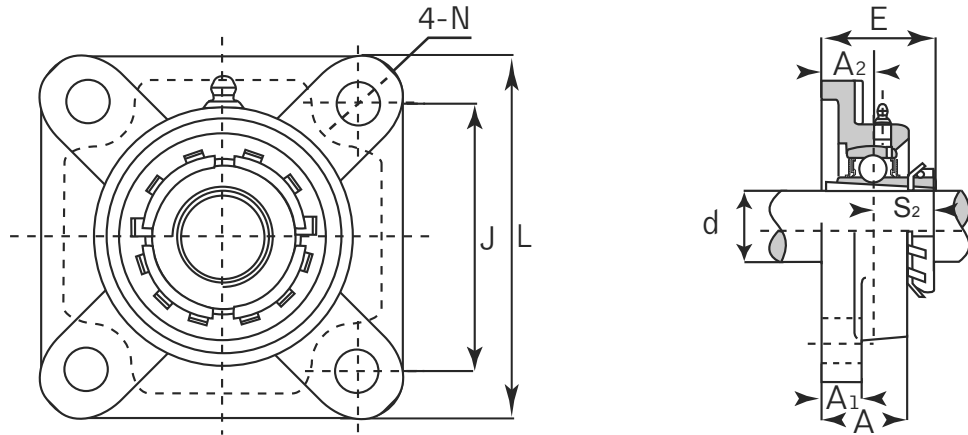


## HCFU Eccentric Locking Collar

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Bolt Size	Bearing No.	Housing No.	Weight	
		d	L	J	A	A1	A2	N	E				S	kg
HCFU 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	5-5/8 <b>143</b>	4-3/8 <b>111</b>	1-49/64 <b>45</b>	25/32 <b>20</b>	1-3/32 <b>28</b>	23/32 <b>18</b>	2-39/64 <b>66.1</b>	0.9685 <b>24.6</b>	5/8 M16	HC 210 210-30 210-31 210-32	FU 210	2.71	5.96
HCFU 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	6-3/8 <b>162</b>	5-1/8 <b>130</b>	1-59/64 <b>49</b>	53-64 <b>21</b>	1-7/32 <b>31</b>	23/32 <b>18</b>	2-17/32 <b>74.6</b>	1.0905 <b>27.7</b>	5/8 M16	HC 211 211-32 211-34 211-35	FU 211	3.70	8.14
HCFU 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	6-37/64 <b>175</b>	5-5/8 <b>143</b>	1-7/64 <b>53.5</b>	55/64 <b>22</b>	1-11/32 <b>34</b>	23/32 <b>18</b>	3-3/16 <b>80.8</b>	1.2204 <b>31</b>	5/8 M16	HC 212 212-36 212-38 212-39	FU 212	4.59	10.10
HCFU 213 213-40	65 mm 2-1/2	7-1/4 <b>184</b>	5-55/64 <b>149</b>	2-9/32 <b>58</b>	55/64 <b>22</b>	1-1/2 <b>38</b>	23/32 <b>18</b>	3-17/32 <b>89.6</b>	1.3425 <b>34.1</b>	5/8 M16	HC 213 213-40	FU 213	5.99	13.18
HCFU 214 214-43 214-44	70 mm 2-11/16 2-3/4	7-13/32 <b>188</b>	5-63/64 <b>152</b>	2-21/64 <b>59</b>	29/32 <b>23</b>	1-1/2 <b>38</b>	23/32 <b>18</b>	3-17/32 <b>89.6</b>	1.3425 <b>34.1</b>	5/8 M16	HC 214 214-43 214-44	FU 214	6.39	14.06
HCFU 215 215-47 215-48	75 mm 2-15/16 3	7-7/8 <b>200</b>	6-17/64 <b>159</b>	2-7/16 <b>62</b>	15/16 <b>24</b>	1-39/64 <b>41</b>	23/32 <b>18</b>	3-49/64 <b>95.8</b>	1.4685 <b>37.3</b>	5/8 M16	HC 215 215-47 215-48	FU 215	7.32	16.10

# Four-Bolt Holes Flange Unit

## Normal Duty



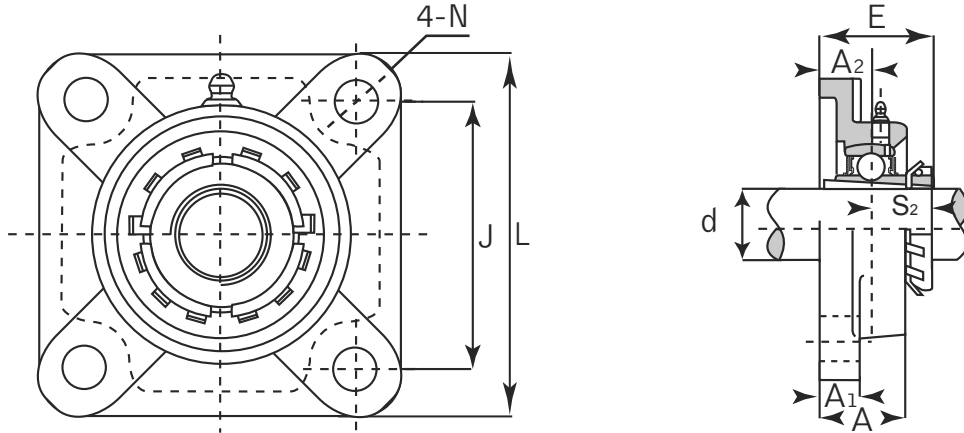
### UKF+H Adapter Sleeve Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Bolt Size	Bearing No.	Adapter No.	Housing No.	Weight	
		d	L	J	A	A1	A2	N	E					S2	kg
UKF 205 + H 2305 + HE 2305	20 mm 3/4	3-3/4 <b>95</b>	2-3/4 <b>70</b>	1-1/16 <b>27</b>	35/64 <b>14</b>	5/8 <b>16</b>	15/32 <b>12</b>	1-25/64 <b>35.5</b>	0.7283 <b>18.5</b>	3/8 M 10	UK 205	H 2305 HE 2305	F 205	0.85	1.87
UKF 206 + H 2306 + HA 2306 + HE 2306 + HS 2306	25 mm 7/8 15/16 1	4-1/4 <b>108</b>	3-17/64 <b>83</b>	1-7/32 <b>31</b>	35/64 <b>14</b>	45/64 <b>18</b>	15/32 <b>12</b>	1-17/32 <b>39</b>	0.8070 <b>20.5</b>	3/8 M 10	UK 206	H 2306 HA 2306 HE 2306 HS 2306	F 206	1.16	2.55
UKF 207 + H 2307 + HA 2307 + HS 2307	30 mm 1-1/8 1-3/16	4-39/64 <b>117</b>	3-5/8 <b>92</b>	1-11/32 <b>34</b>	5/8 <b>16</b>	3/4 <b>19</b>	35/64 <b>14</b>	1-43/64 <b>42.5</b>	0.8858 <b>22.5</b>	7/16 M 12	UK 207	H 2307 HA 2307 HS 2307	F 207	1.55	3.41
UKF 208 + H 2308 + HE 2308 + HS 2308	35 mm 1-1/4 1-3/8	5-1/8 <b>130</b>	4-1/64 <b>102</b>	1-27/64 <b>36</b>	5/8 <b>16</b>	53/64 <b>21</b>	5/8 <b>16</b>	1-53/64 <b>46.5</b>	0.9640 <b>24.5</b>	1/2 M 14	UK 208	H 2308 HE 2308 HS 2308	F 208	1.94	4.27
UKF 209 + H 2309 + HA 2309 + HE 2309 + HS 2309	40 mm 1-7/16 1-1/2 1-5/8	5-13/32 <b>137</b>	4-9/64 <b>105</b>	1-1/2 <b>38</b>	23/32 <b>18</b>	55/64 <b>22</b>	5/8 <b>16</b>	1-29/32 <b>48.5</b>	1.0236 <b>26</b>	1/2 M 14	UK 209	H 2309 HA 2309 HE 2309 HS 2309	F 209	2.30	5.06
UKF 210 + H 2310 + HA 2310 + HE 2310 + HS 2310	45 mm 1-5/8 1-11/16 1-3/4	5-5/8 <b>143</b>	4-3/8 <b>111</b>	1-9/16 <b>40</b>	23/32 <b>18</b>	55/64 <b>22</b>	5/8 <b>16</b>	1-31/32 <b>50</b>	1.0826 <b>27.5</b>	1/2 M 14	UK 210	H 2310 HA 2310 HE 2310 HS 2310	F 210	2.59	5.70



# Four-Bolt Holes Flange Unit

Normal Duty

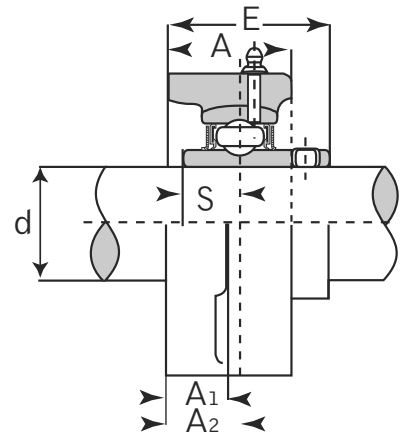
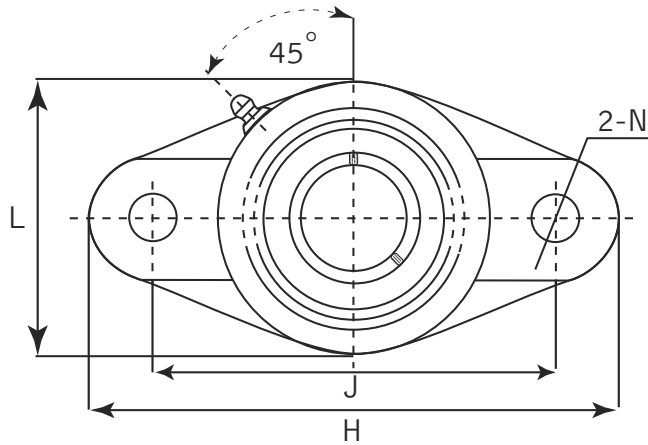


## UKF+H Adapter Sleeve Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Bolt Size	Bearing No.	Adapter No.	Housing No.	Weight	
		d	L	J	A	A1	A2	N	E					S2	kg
UKF 211 + H 2311 + HA 2311 + HE 2311 + HS 2311	50 mm 1-7/8 1-15/16 2	6-3/8 <b>162</b>	5-1/8 <b>130</b>	1-11/16 <b>43</b>	25/32 <b>20</b>	63/64 <b>25</b>	3/4 <b>19</b>	2-9/64 <b>54.5</b>	1.1220 <b>28.5</b>	5/8 M 16	UK 211	H 2311 HA 2311 HE 2311 HS 2311	F 211	3.46	7.61
UKF 212 + H 2312 + HS 2312	55 mm 2-1/8	6-57/64 <b>175</b>	5-5/8 <b>143</b>	1-57/64 <b>48</b>	25/32 <b>20</b>	1-9/64 <b>29</b>	3/4 <b>19</b>	2-13/32 <b>61</b>	1.2204 <b>31</b>	5/8 M 16	UK 212	H 2312 HS 2312	F 212	4.33	9.53
UKF 213 + H 2313 + HA 2313 + HE 2313 + HS 2313	60 mm 2-3/16 2-1/4 2-3/8	7-23/64 <b>187</b>	5-55/64 <b>149</b>	1-31/32 <b>50</b>	55/64 <b>22</b>	1-3/16 <b>30</b>	3/4 <b>19</b>	2-33/64 <b>64</b>	1.2598 <b>32</b>	5/8 M 16	UK 213	H 2313 HA 2313 HE 2313 HS 2313	F 213	4.90	10.78
UKF 215 + H 2315 + HA 2315 + HE 2315	65 mm 2-7/16 2-1/2	7-7/8 <b>200</b>	6-17/64 <b>159</b>	2-7/32 <b>56</b>	55/64 <b>22</b>	1-11/32 <b>34</b>	3/4 <b>19</b>	2-51/64 <b>71</b>	1.3976 <b>35.5</b>	5/8 M 16	UK 215	H 2315 HA 2315 HE 2315	F 215	7.02	15.44
UKF 216 + H 2316 + HA 2316 + HE 2316	70 mm 2-11/16 2-3/4	8-3/16 <b>208</b>	6-1/2 <b>165</b>	2-9/32 <b>58</b>	55/64 <b>22</b>	1-11/32 <b>34</b>	29/32 <b>23</b>	2-57/64 <b>73.5</b>	1.5354 <b>39</b>	3/4 M 20	UK 216	H 2316 HA 2316 HE 2316	F 216	7.76	17.07
UKF 217 + H 2317 + HA 2317 + HE 2317	75 mm 2-15/16 3	8-21/32 <b>220</b>	6-57/64 <b>175</b>	2-15/32 <b>63</b>	15/16 <b>24</b>	1-27/64 <b>36</b>	29/32 <b>23</b>	3-1/32 <b>77</b>	1.5748 <b>40</b>	3/4 M 20	UK 217	H 2317 HA 2317 HE 2317	F 217	10.08	22.18
UKF 218 + H 2318	80 mm	9-1/4 <b>235</b>	7-23/64 <b>187</b>	2-11/16 <b>68</b>	15/16 <b>24</b>	1-37/64 <b>40</b>	29/32 <b>23</b>	3-13/64 <b>81.5</b>	1.6535 <b>42</b>	3/4 M 20	UK 218	H 2318	F 218	12.44	27.37

# Two-Bolt Holes Flange Unit

Normal Duty



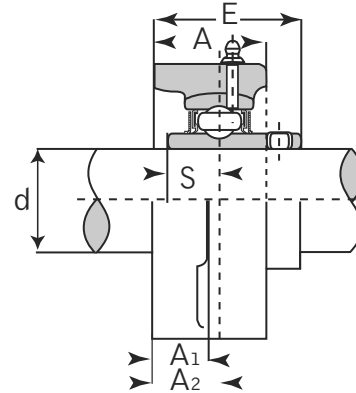
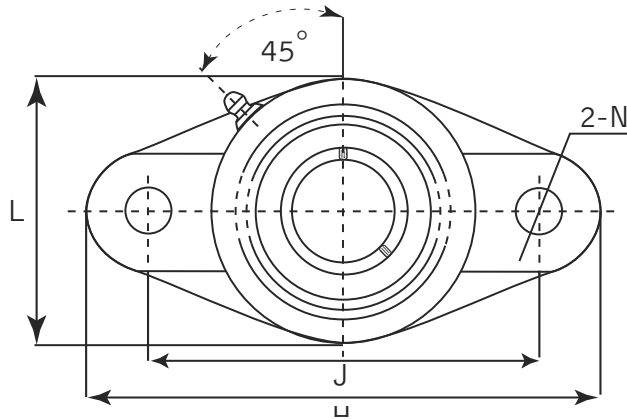
## UCFL Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Bolt Size	Bearing No.	Housing No.	Mass		
		d	H	J	A	A1	A2	N	L	E				S	kg	lbs
UCFL 201	12 mm												UC 201		0.45	0.99
201-8	1/2												201-8		0.44	0.97
202	15 mm												202		0.44	0.97
202-10	5/8	4-7/16	3-35/64	1	7/16	19/32	15/32	2-3/8	1-5/16	0.500	3/8	202-10	FL 204	0.44	0.97	
203	17 mm	<b>113</b>	<b>90</b>	<b>25.5</b>	<b>11</b>	<b>15</b>	<b>12</b>	<b>57</b>	<b>33.3</b>	<b>12.7</b>	M10	203		0.43	0.95	
203-11	11/16											203-11		0.42	0.92	
204	20 mm											204		0.41	0.90	
204-12	3/4											204-12		0.41	0.90	
UCFL 205	25 mm											UC 205		0.58	1.28	
205-14	7/8	5-1/8	3-57/64	1-1/16	1/2	5/8	5/8	2-11/16	1-13/32	0.5629	1/2	205-14	FL 205	0.61	1.34	
205-15	15/16	<b>130</b>	<b>99</b>	<b>27</b>	<b>13</b>	<b>16</b>	<b>16</b>	<b>68</b>	<b>35.8</b>	<b>14.3</b>	M 14	205-15		0.59	1.30	
205-16	1											205-16		0.58	1.28	
UCFL 206	30 mm											UC 206		0.86	1.89	
206-18	1-1/8	5-13/16	4-39/64	1-7/32	1/2	45/64	5/8	3-5/32	1-19/32	0.6259	1/2	206-18	FL 206	0.88	1.94	
206-19	1-3/16	<b>148</b>	<b>117</b>	<b>31</b>	<b>13</b>	<b>18</b>	<b>16</b>	<b>80</b>	<b>40.2</b>	<b>15.9</b>	M 14	206-19		0.86	1.89	
206-20	1-1/4											206-20		0.85	1.87	
UCFL 207	35 mm											UC 207		1.08	2.38	
207-20	1-1/4	6-11/32	5-1/8	1-13/32	35/64	3/4	5/8	3-35/64	1-3/4	0.6889	1/2	207-20	FL 207	1.14	2.51	
207-21	1-5/16	<b>161</b>	<b>130</b>	<b>34</b>	<b>14</b>	<b>19</b>	<b>16</b>	<b>90</b>	<b>44.4</b>	<b>17.5</b>	M14	207-21		1.11	2.44	
207-22	1-3/8											207-22		1.08	2.38	
207-23	1-7/16											207-23		1.05	2.31	
UCFL 208	40 mm											UC 208		1.44	3.17	
208-24	1-1/2	6-7/8	5-43/64	1-13/32	35/64	53/64	5/8	3-15/16	2-1/64	0.7480	1/2	208-24	FL 208	1.48	3.26	
208-25	1-9/16	<b>175</b>	<b>144</b>	<b>36</b>	<b>14</b>	<b>21</b>	<b>16</b>	<b>100</b>	<b>51.2</b>	<b>19</b>	M 14	208-25		1.45	3.19	
UCFL 209	45 mm											UC 209		1.74	3.83	
209-26	1-5/8	7-13/32	5-53/64	1-1/2	19/32	55/64	3/4	4-1/4	2-1/16	0.7480	5/8	209-26	FL 209	1.84	4.05	
209-27	1-11/16	<b>188</b>	<b>148</b>	<b>38</b>	<b>15</b>	<b>22</b>	<b>19</b>	<b>108</b>	<b>52.2</b>	<b>19</b>	M16	209-27		1.80	3.96	
209-28	1-3/4											209-28		1.76	3.87	



# Two-Bolt Holes Flange Unit

Normal Duty

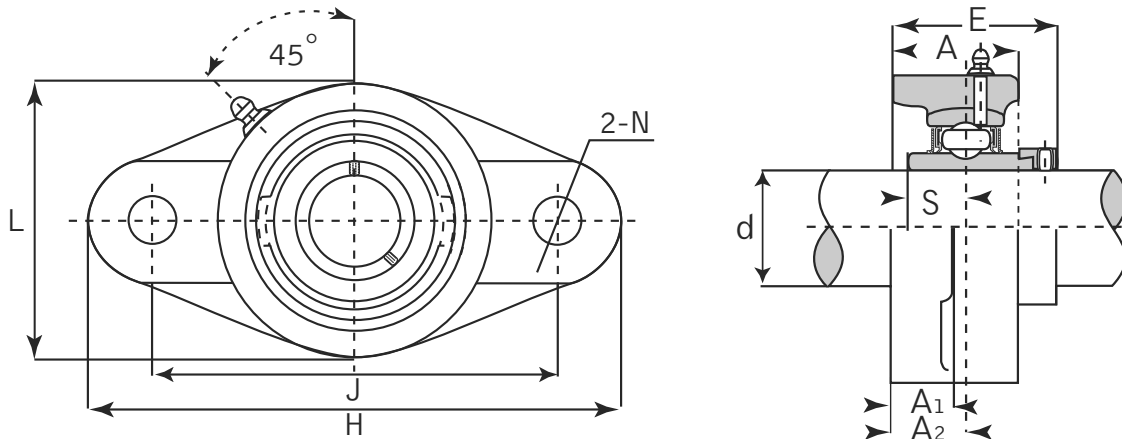


## UCFL Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Bolt Size	Bearing No.	Housing No.	Mass		
		d	H	J	A	A1	A2	N	L	E				S	kg	lbs
UCFL 210	50 mm												UC 210		2.10	4.62
210-30	1-7/8	7-3/4	6-3/16	1-37/64	19/32	55/64	3/4	4-17/32	2-5/32	0.7480	5/8	210-30	FL 210	2.17	4.77	
210-31	1-15/16	<b>197</b>	<b>157</b>	<b>40</b>	<b>15</b>	<b>22</b>	<b>19</b>	<b>115</b>	<b>54.6</b>	<b>19</b>	M16	210-31		2.12	4.66	
210-32	2											210-32		2.08	4.58	
UCFL 211	55 mm											UC 211		2.91	6.40	
211-32	2	8-13/16	7-1/4	1-11/16	23/32	63/64	3/4	5-1/8	2-5/16	0.8740	5/8	211-32	FL 211	3.06	6.73	
211-34	2-1/8	<b>224</b>	<b>184</b>	<b>43</b>	<b>18</b>	<b>25</b>	<b>19</b>	<b>130</b>	<b>58.4</b>	<b>22.2</b>	M16	211-34		2.95	6.49	
211-35	2-3/16											211-35		2.89	6.36	
UCFL 212	60 mm											UC 212		3.74	8.23	
212-36	2-1/4	9-27/32	7-61/64	1-7/8	23/32	1-9/64	29/32	5-1/2	2-23/32	1.000	3/4	212-36	FL 212	3.87	8.51	
212-38	2-3/8	<b>250</b>	<b>202</b>	<b>48</b>	<b>18</b>	<b>29</b>	<b>23</b>	<b>140</b>	<b>68.7</b>	<b>25.4</b>	M 20	212-38		3.72	8.18	
212-39	2-7/16											212-39		3.65	8.03	
UCFL 213	65 mm											UC 213		4.57	10.05	
213-40	2-1/2	10-5/32	8-17/64	1-31/32	7/8	1-3/16	29/32	6-3/32	2-3/4	1.000	3/4	213-40	FL 213	4.66	10.25	
UCFL 214	70 mm											UC 214		5.11	11.24	
214-43	2-11/16	10-7/16	8-1/2	2-1/8	7/8	1-7/32	29/32	6-5/16	2-31/32	1.1889	3/4	214-43	FL 214	5.22	11.48	
214-44	2-3/4	<b>265</b>	<b>216</b>	<b>54</b>	<b>22</b>	<b>31</b>	<b>23</b>	<b>160</b>	<b>75.4</b>	<b>30.2</b>	M 20	214-44		5.12	11.26	
UCFL 215	75 mm											UC 215		5.37	11.81	
215-47	2-15/16	10-13/16	8-55/64	2-7/32	7/8	1-11/32	29/32	6-1/2	3-3/32	1.3110	3/4	215-47	FL 215	5.51	12.12	
215-48	3	<b>275</b>	<b>225</b>	<b>56</b>	<b>22</b>	<b>34</b>	<b>23</b>	<b>165</b>	<b>78.5</b>	<b>33.3</b>	M 20	215-48		5.40	11.88	
UCFL 216	80 mm											UC 216		7.20	15.84	
216-50	3-1/8	11-13/32	9-11/64	2-9/32	7/8	1-11/32	63/64	7-3/32	3-9/32	1.3110	7/8	216-50	FL 216	7.38	16.24	
UCFL 217	85 mm											UC 217		8.61	18.94	
217-52	3-1/4	12	9-49/64	2-15/32	15/16	1-27/64	63/64	7-15/32	3-7/16	1.3425	7/8	217-52	FL 217	8.83	19.43	
217-55	3-7/16	<b>305</b>	<b>248</b>	<b>63</b>	<b>24</b>	<b>36</b>	<b>25</b>	<b>190</b>	<b>87.6</b>	<b>34.1</b>	M 22	217-55		8.69	19.12	
UCFL 218	90 mm											UC 218		10.51	23.12	
218-56	3-1/2	12-19/32	10-7/16	2-11/16	15/16	1-37/64	63/64	8-1/16	3-25/32	1.5629	7/8	218-56	FL 218	10.62	23.36	

# Two-Bolt Holes Flange Unit

Normal Duty



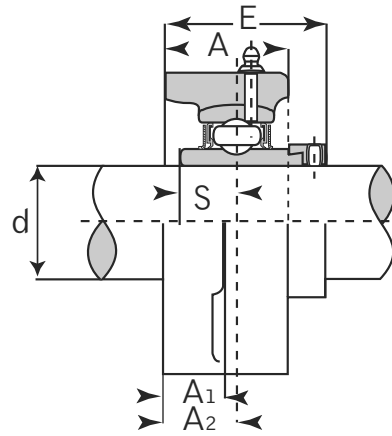
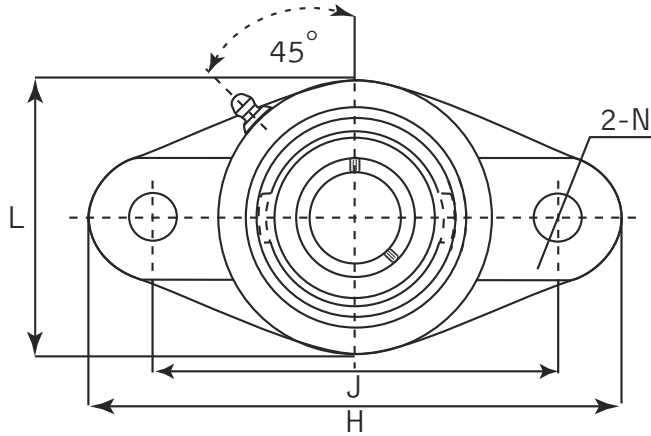
## HCFLU Eccentric Locking Collar

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Bolt Size	Bearing No.	Housing No.	Mass	
		d	H	J	A	A1	A2	N	L	E				S	kg
HCFLU 201 201-8 202 202-10 203 203-11 204 204-12	12 mm 1/2 15 mm 5/8 17 mm 11/16 20 mm 3/4	4-7/16 <b>112.5</b>	3-17/32 <b>90</b>	1-5/32 <b>29.5</b>	19/32 <b>15</b>	3/4 <b>19</b>	7/16 <b>11.5</b>	2-13/32 <b>61</b>	1-25/32 <b>45.5</b>	0.6692 <b>17</b>	3/8 M 10	HC 201 201-8 202 202-10 203 203-11 204 204-12	FLU 204	0.50	1.10
HCFLU 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	4-27/32 <b>123</b>	3-29/32 <b>99</b>	1-3/16 <b>30</b>	19/32 <b>15</b>	3/4 <b>19</b>	7/16 <b>11.5</b>	2-3/4 <b>70</b>	1-13/16 <b>45.9</b>	0.6850 <b>17.4</b>	3/8 M10	HC 205 205-14 205-15 205-16	FLU 205	0.69	1.52
HCFLU 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	5-19/32 <b>142</b>	4-19/32 <b>116.5</b>	1-9/32 <b>32.5</b>	5/8 <b>16</b>	25/32 <b>20</b>	7/16 <b>11.5</b>	3-7/32 <b>82</b>	1-31/32 <b>50.1</b>	0.7165 <b>18.2</b>	3/8 M10	HC 206 206-18 206-19 206-20	FLU 206	0.98	2.16
HCFLU 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	6-7/32 <b>158</b>	5-1/8 <b>130</b>	1-13/32 <b>36</b>	21/32 <b>17</b>	13/16 <b>21</b>	9/16 <b>14</b>	3-11/16 <b>94</b>	2-3/32 <b>53.3</b>	0.7401 <b>18.8</b>	7/16 M12	HC 207 207-20 207-21 207-22 207-23	FLU 207	1.41	3.10
HCFLU 208 208-24 208-25	40 mm 1-1/2 1-9/16	6-25/32 <b>172</b>	5-21/32 <b>143.5</b>	1-17/32 <b>39</b>	21/32 <b>17</b>	15/16 <b>24</b>	9/16 <b>14</b>	4-3/64 <b>103</b>	2-5/16 <b>58.9</b>	0.8425 <b>21.4</b>	7/16 M12	HC 208 208-24 208-25	FLU 208	1.77	3.89
HCFLU 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	7-3/32 <b>180</b>	5-27/32 <b>148.5</b>	1-9/16 <b>40</b>	23/32 <b>18</b>	15/16 <b>24</b>	5/8 <b>16</b>	4-1/4 <b>108</b>	2-5/16 <b>58.9</b>	0.8425 <b>21.4</b>	1/2 M14	HC 209 209-26 209-27 209-28	FLU 209	2.00	4.40



# Two-Bolt Holes Flange Unit

Normal Duty



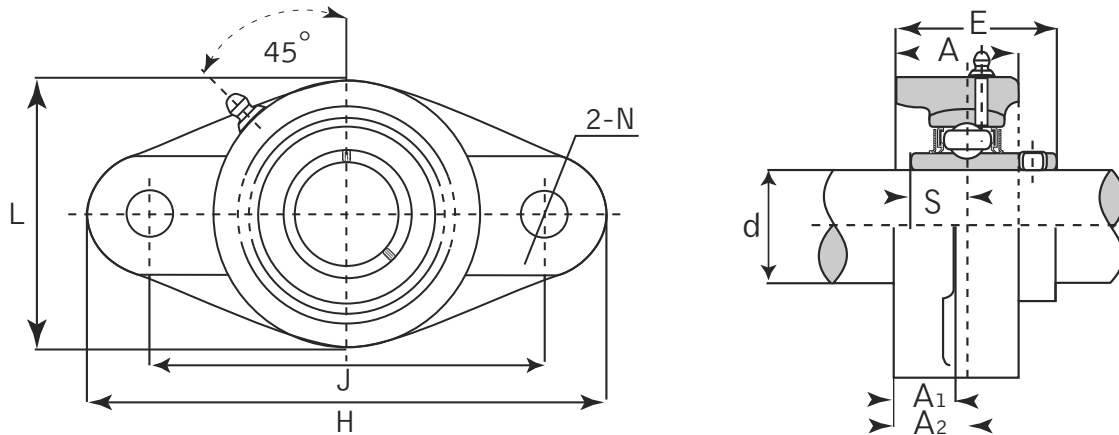
## HCFLU Eccentric Locking Collar

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Bolt Size	Bearing No.	Housing No.	Mass	
		d	H	J	A	A1	A2	N	L	E				S	kg
HCFLU 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	7-15/32 <b>190</b>	6-3/16 <b>157</b>	1-25/32 <b>45</b>	25/32 <b>20</b>	1-3/32 <b>28</b>	23/32 <b>18</b>	4-1/2 <b>114</b>	2-19/32 <b>66.1</b>	0.9685 <b>24.6</b>	5/8 M 16	HC 210 210-30 210-31 210-32	FLU 210	2.38	5.24
HCFLU 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	8-17/32 <b>217</b>	7-1/4 <b>184</b>	1-7/8 <b>48</b>	13/16 <b>21</b>	1-7/32 <b>31</b>	23/32 <b>18</b>	5-3/32 <b>128</b>	2-15/16 <b>74.6</b>	1.0905 <b>27.7</b>	5/8 M16	HC 211 211-32 211-34 211-35	FLU 211	3.52	7.74
HCFLU 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	9-11/32 <b>237</b>	7-15/16 <b>202</b>	2-3/32 <b>53</b>	13/16 <b>21</b>	1-11/32 <b>34</b>	23/32 <b>18</b>	5-7/16 <b>138</b>	3-3/16 <b>80.8</b>	1.2165 <b>30.9</b>	5/8 M 16	HC 212 212-36 212-38 212-39	FLU 212	4.8	10.56
HCFLU 213 213-40	65 mm 2-1/2	10-3/32 <b>256</b>	8-9/32 <b>210</b>	2-7/32 <b>56</b>	7/8 <b>22</b>	1-1/2 <b>38</b>	13/16 <b>21</b>	5-31/32 <b>152</b>	3-17/32 <b>89.6</b>	1.3425 <b>34.1</b>	11/16 M 18	HC 213 213-40	FLU 213	6.0	13.2
HCFLU 214 214-43 214-44	70 mm 2-11/16 2-3/4	10-13/32 <b>264</b>	8-1/2 <b>216</b>	2-9/32 <b>58</b>	29/32 <b>23</b>	1-1/2 <b>38</b>	13/16 <b>21</b>	6-3/16 <b>157</b>	3-17/32 <b>89.6</b>	1.3425 <b>34.1</b>	11/16 M 18	HC 214 214-43 214-44	FLU 213	6.3	13.86
HCFLU 215 215-47 215-48	75 mm 2-15/16 3	10-13/16 <b>275</b>	8-27/32 <b>225</b>	2-7/16 <b>62</b>	1-5/8 <b>41</b>	1-5/8 <b>41</b>	13/16 <b>21</b>	6-15/32 <b>164</b>	3-25/32 <b>95.8</b>	1.4690 <b>34.1</b>	11/16 M 18	HC 215 215-47 215-48	FLU 215	7.2	15.84



# Two-Bolt Holes Flange Unit

Normal Duty



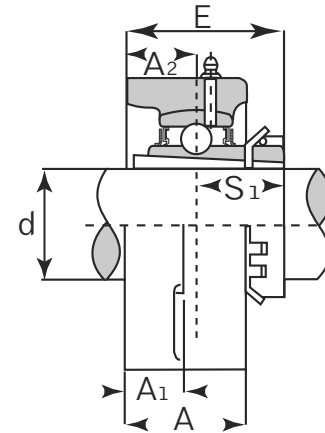
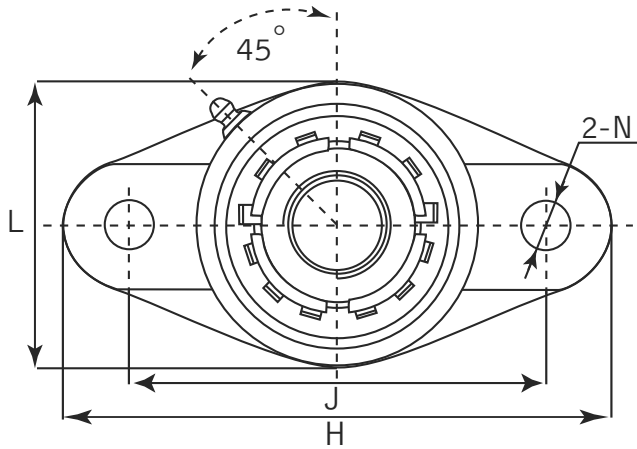
## UCFT Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Bolt Size	Bearing No.	Housing No.	Mass	
		d	H	J	A	A1	A2	N	L	E				S	kg
UCFT 201 201-8 202 202-10 203 203-11 204 204-12	12 mm 1/2 15 mm 5/8 17 mm 11/16 20 mm 3/4	4-13/32 <b>112</b>	3-17/32 <b>89.5</b>	1-9/64 <b>29</b>	7/16 <b>11</b>	3/4 <b>19</b>	13/32 <b>10.3</b>	2-3/8 <b>60.3</b>	1-5/16 <b>33.3</b>	0.500 <b>12.7</b>	5/16 M 8	UC 201 201-8 202 202-10 203 203-11 204 204-12	FT 204	0.45	0.99
UCFT 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	4-7/8 <b>124</b>	3-7/8 <b>98.8</b>	1-7/32 <b>31</b>	1/2 <b>13</b>	25/32 <b>20</b>	1/2 <b>13</b>	2-3/4 <b>70</b>	1-13/32 <b>35.8</b>	0.5629 <b>14.3</b>	3/8 M 10	UC 205 205-14 205-15 205-16	FT 205	0.64	1.41
UCFT 206 206-17 206-18 206-19 206-20	30 mm 1-1/16 1-1/8 1-3/16 1-1/4	5-9/16 <b>141</b>	4-19/32 <b>116.7</b>	1-11/32 <b>34</b>	1/2 <b>13</b>	13/16 <b>21</b>	1/2 <b>13</b>	3-7/32 <b>82</b>	1-19/32 <b>40.2</b>	0.6259 <b>15.9</b>	3/8 M 10	UC 206 206-17 206-18 206-19 206-20	FT 206	0.91	2.00
UCFT 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	6-1/2 <b>155</b>	5-1/8 <b>130</b>	1-7/16 <b>36.5</b>	9/16 <b>14</b>	27/32 <b>21-1/2</b>	9/16 <b>14</b>	3-47/64 <b>95</b>	1-3/4 <b>44.4</b>	0.6889 <b>17.5</b>	7/16 M 12	UC 207 207-20 207-21 207-22 207-23	FT 207	1.28	2.82
UCFT 208 208-24 208-25	40 mm 1-1/2 1-9/16	6-23/32 <b>171</b>	5-27/32 <b>143.7</b>	1-17/32 <b>39</b>	9/16 <b>14</b>	15/16 <b>24</b>	9/16 <b>14</b>	4-1/8 <b>105</b>	2-1/32 <b>51.2</b>	0.7480 <b>19</b>	7/16 M 12	UC 208 208-24 208-25	FT 208	1.64	3.61
UCFT 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	7-1/16 <b>179</b>	5-27/32 <b>148.4</b>	1-9/16 <b>40</b>	9/16 <b>14</b>	15/16 <b>24</b>	5/8 <b>16</b>	4-3/8 <b>111</b>	2-1/16 <b>52.2</b>	0.7480 <b>19</b>	1/2 M 14	UC 209 209-26 209-27 209-28	FT 209	1.88	4.14
UCFT 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	7-7/16 <b>189</b>	6-3/16 <b>157</b>	1-27/32 <b>47</b>	9/16 <b>14</b>	1-1/8 <b>28.5</b>	5/8 <b>16</b>	4-9/16 <b>116</b>	2-5/32 <b>54.6</b>	0.7480 <b>19</b>	1/2 M 14	UC 210 210-30 210-31 210-32	FT 210	2.18	4.80
UCFT 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	8-1/2 <b>216</b>	7-1/4 <b>184</b>	1-31/32 <b>50</b>	25/32 <b>20</b>	1-1/4 <b>32</b>	11/16 <b>18</b>	5-1/4 <b>133</b>	2-5/16 <b>58.4</b>	0.8740 <b>22.2</b>	5/8 M16	UC 211 211-32 211-34 211-35	FT 211	3.25	7.15



# Two-Bolt Holes Flange Unit

## Normal Duty

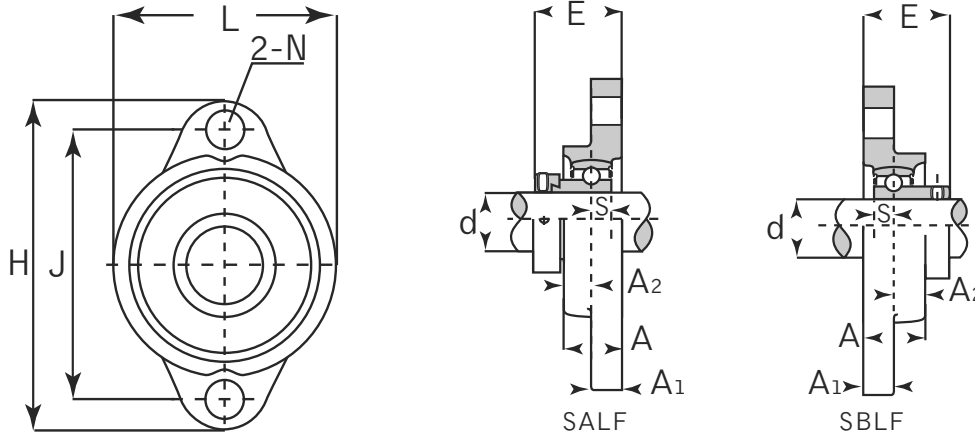


## UKFL Adapter Sleeve Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)									Bolt Size	Bearing No.	Adapter No.	Bearing No.	Weight	
		d	H	J	A	A1	A2	N	L	E					S1	kg
UKFL 205 + H 2305 + HA 2305 + HE 2305	20 mm 3/4	5-1/8 130	3-57/64 99	1-1/16 27	1/2 13	5/8 16	5/8 16	2-11/16 68	1-13/32 35.5	0.7283 18.5	1/2 M 14	UK 205	H 2305 HA 2305 HE 2305	FL 205	0.63	1.39
UKFL 206 + H 2306 + HA 2306 + HE 2306 + HS 2306	25 mm 7/8 15/16 1	5-13/16 148	4-19/32 117	1-7/32 31	1/2 13	23/32 18	5/8 16	3-5/32 30	1-17/32 39	0.8070 20.5	1/2 M 14	UK 206	H 2306 HA 2306 HS 2306 HE 2306	FL 206	0.90	1.98
UKFL 207 + H 2307 + HA 2307 + HS 2307	30 mm 1-1/8 1-3/16	6-11/32 161	5-1/8 130	1-11/32 34	9/16 14	3/4 19	5/8 16	3-17/32 90	1-11/16 42.5	0.8858 22.5	1/2 M 14	UK 207	H 2307 HA 2307 HS 2307	FL 207	1.17	2.57
UKFL 208 + H 2308 + HE 2308 + HS 2308	35 mm 1-1/4 1-3/8	6-7/8 175	5-21/32 144	1-13/32 36	9/16 14	13/16 21	5/8 16	3-15/16 100	1-27/32 46.5	0.9645 24.5	1/2 M 14	UK 208	H 2308 HE 2308 HS 2308	FL 208	1.54	3.39
UKFL 209 + H 2309 + HA 2309 + HE 2309 + HS 2309	40 mm 1-7/16 1-1/2 1-5/8	7-13/32 188	5-13/16 148	1-1/2 38	19/32 15	7/8 22	3/4 19	1-1/4 108	1-29/32 48.5	1.0236 26	5/8 M 16	UK 209	H 2309 HA 2309 HE 2309 HS 2309	FL 209	1.89	4.16
UKFL 210 + H 2310 + HA 2310 + HE 2310 + HS 2310	45 mm 1-5/8 1-11/16 1-3/4	7-3/4 197	6-3/16 157	1-9/16 40	19/32 15	7/8 22	3/4 19	4-17/32 115	1-31/32 50	1.0826 27.5	5/8 M 16	UK 210	H 2310 HA 2310 HE 2310 HS 2310	FL 210	2.27	4.99
UKFL 211 + H 2311 + HA 2311 + HE 2311 + HS 2311	50 mm 1-7/8 1-15/16 2	8-13/16 224	7-1/4 184	1-11/16 43	23/32 18	31/32 25	3/4 19	5-1/8 130	2-5/32 54.5	1.0826 27.5	5/8 M 16	UK 211	H 2311 HA 2311 HE 2311 HS 2311	FL 211	3.06	6.73
UKFL 212 + H 2312 + HS 2312	55 mm 2-1/8	9-37/32 250	7-15/16 202	1-7/8 48	23/32 18	1-5/32 29	29/32 23	5-1/2 140	2-13/32 61	1.2598 32	3/4 M 20	UK 212	H 2312 HS 2312	FL 212	3.79	8.34
UKFL 213 + H 2313 + HA 2313 + HE 2313 + HS 2313	60 mm 2-3/16 2-1/4 2-3/8	10-5/32 258	8-9/32 210	1-31/32 50	7/8 22	1-3/16 30	29/32 23	6-3/32 155	2-17/32 64	1-5/16 33.3	3/4 M 20	UK 213	H 2313 HA 2313 HE 2313 HS 2313	FL 213	4.48	9.86
UKFL 215 + H 2315 + HA 2315 + HE 2315	65 mm 2-7/16 2-1/2	10-13/16 275	8-27/32 225	2-7/32 56	7/8 22	1-11/32 34	29/32 23	6-1/2 165	2-25/32 71	1.3976 35.5	3/4 M 20	UK 215	H 2315 HA 2315 HE 2315	FL 215	5.48	12.06
UKFL 216 + H 2316 + HA 2316 + HE 2316	70 mm 2-11/16 2-3/4	11-13/32 290	9-3/16 233	2-9/32 58	7/8 22	1-11/32 34	31/32 25	7-3/32 180	2-29/32 73.5	1.5354 39	7/8 M 22	UK 216	H 2316 HA 2316 HE 2316	FL 216	7.46	16.41
UKFL 217 + H 2317 + HA 2317 + HE 2317	75 mm 2-15/16 3	12 305	9-3/4 248	2-15/32 63	15/16 24	1-13/32 36	31/32 25	7-15/32 190	3-1/32 77	1.5748 40	7/8 M 22	UK 217	H 2317 HA 2317 HE 2317	FL 217	9.03	19.87
UKFL 218 + H 2318	80 mm	12-19/32 320	10-7/16 265	2-11/16 68	15/16 24	1-9/16 40	31/32 25	8-1/16 205	3-7/32 81.5	1.6535 42	7/8 M 22	UK 218	H 2318	FL 218	10.89	23.96

# Two-Bolt Holes Flange Unit

Light Duty



## SALF Eccentric Locking Collar SBLF Set Screw Locking

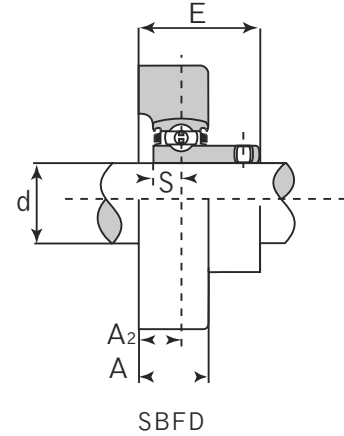
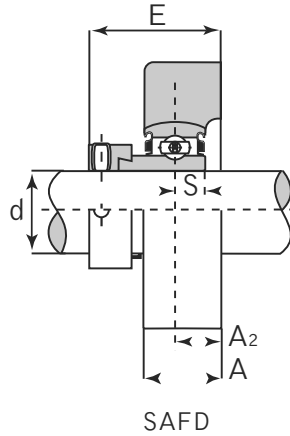
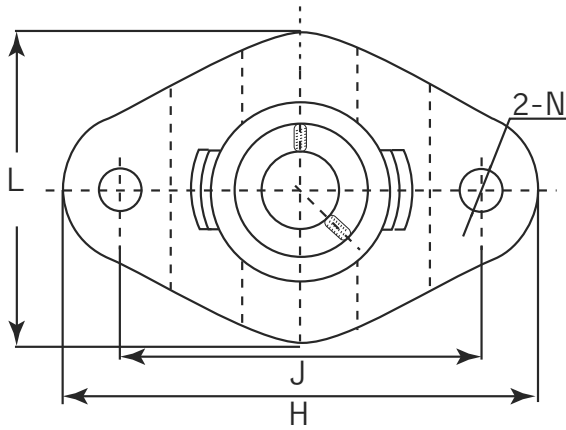
Unit No. SALF SBLF	Shaft Dia. (inch / mm)	Dimensions (inch / mm)							SALF		SBLF		Bolt Size	Bearing No. SA / SB	Housing No.	Weight	
		d	H	J	L	A	A1	A2	N	S	E	S				E	kg
201 201-8 202 202-10 203 203-11	12 mm 1/2 15 mm 5/8 17 mm 1 1/16	3-3/16 <b>81</b>	2-1/2 <b>63.5</b>	2-7/32 <b>56</b>	23/32 <b>18</b>	3/8 <b>9.5</b>	3/8 <b>9.5</b>	5/16 <b>8</b>	0.2559 <b>6.5</b>	1.260 <b>32</b>	0.2362 <b>6</b>	1.000 <b>25.5</b>	1/4 M 6	201 201-8 202 202-10 203 203-11	LF 203	0.30	0.66
204 204-12	20 mm 3/4	3-17/32 <b>90</b>	2-13/16 <b>71.5</b>	2-13/32 <b>61</b>	25/32 <b>20</b>	7/16 <b>11</b>	7/16 <b>11</b>	13/32 <b>10</b>	0.2952 <b>7.5</b>	1.319 <b>33.5</b>	0.2755 <b>7</b>	1.142 <b>29</b>	5/16 M 8	204 204-12	LF 204	0.40	0.88
205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3-3/4 <b>95</b>	3 <b>76</b>	2-17/32 <b>64</b>	25/32 <b>20</b>	7/16 <b>11</b>	7/16 <b>11</b>	13/32 <b>10</b>	0.2952 <b>7.5</b>	1.339 <b>34</b>	0.2952 <b>7.5</b>	1.200 <b>30.5</b>	5/16 M 8	205 205-14 205-15 205-16	LF 205	0.50	1.10
206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	4-7/16 <b>113</b>	3-9/16 <b>90.5</b>	3 <b>76</b>	7/8 <b>22.5</b>	15/32 <b>12</b>	15/32 <b>12</b>	15/32 <b>12</b>	0.3543 <b>9</b>	1.492 <b>37.9</b>	0.3149 <b>8</b>	1.338 <b>34</b>	3/8 M 10	206 206-18 206-19 206-20	LF 206	0.70	1.54
207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	4-13/16 <b>122</b>	3-15/16 <b>100</b>	3-1/2 <b>89</b>	15/16 <b>24</b>	33/64 <b>13</b>	33/64 <b>13</b>	15/32 <b>12</b>	0.3740 <b>9.5</b>	1.614 <b>41</b>	0.3346 <b>8.5</b>	1.437 <b>36.5</b>	3/8 M 10	207 207-20 207-21 207-22 207-23	LF 207	0.90	1.98

Add (G)suffix for regreasable. (ex. SALF 205-16G)



# Two-Bolt Holes Flange Unit

Light Duty



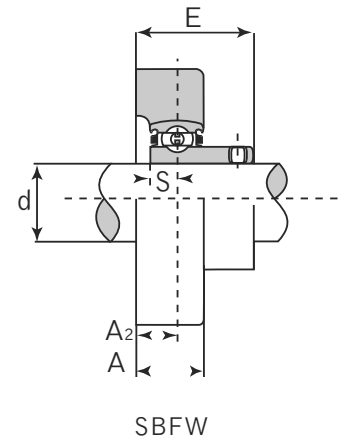
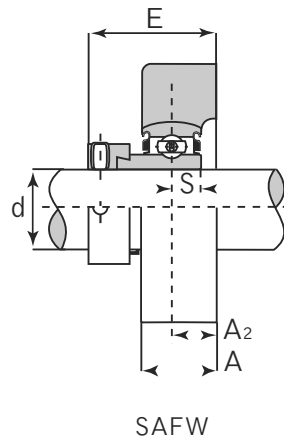
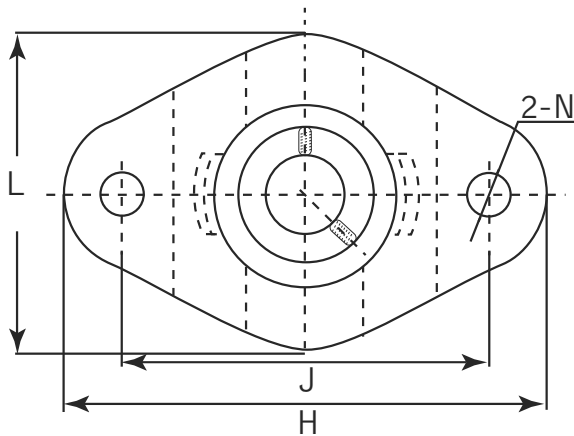
## SAFD Eccentric Locking Collar SBFD Set Screw Locking

Unit No. SAFD SBFD	Shaft Dia. (inch / mm)	Dimensions (inch / mm)						SAFD		SBFD		Bolt Size	Bearing No. SA / SB	Housing No.	Weight		
		d	H	J	A	A2	N	L	S	E	S				E	kg	lbs
201 201-8	12 mm 1/2												201 201-8				
202 202-10	15 mm 5/8	3-3/16	2-15/32	19/32	11/32	9/32	2-5/16	0.2559	1.2047	0.2362	0.945	1/4 M6	202 202-10	FD 203	0.30	0.66	
203 203-11	17 mm 11/16												203 203-11				
204 204-12	20 mm 3/4	3-17/32	2-25/32	21/32	3/8	13/32	2-5/8	0.2952	1.2992	0.2755	1.083	5/16 M8	204 204-12	FD 204	0.50	1.10	
205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3-3/4	2-63/64	21/32	3/8	13/32	2-25/32	0.2952	1.2992	0.2952	1.142	5/16 M8	205 205-14 205-15 205-16	FD 205	0.50	1.10	
206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	4-7/16	3-17/32	13/16	15/32	15/32	3-5/16	0.3543	1.5236	0.3149	1.339	3/8 M10	206 206-18 206-19 206-20	FD 206	0.80	1.76	
207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	4-29/32	3-15/16	7/8	1/2	15/32	3-11/16	0.3740	1.6496	0.3346	1.417	3/8 M10	207 207-20 207-21 207-22 207-23	FD 207	1.00	2.20	

The filling slots on these units are at the front. The inserts can be greased only when reversed.  
Add (G)suffix for regreasable. (ex. SAFD 205-16G)

# Two-Bolt Holes Flange Unit

Light Duty



## SAFW Eccentric Locking Collar SBFW Set Screw Locking

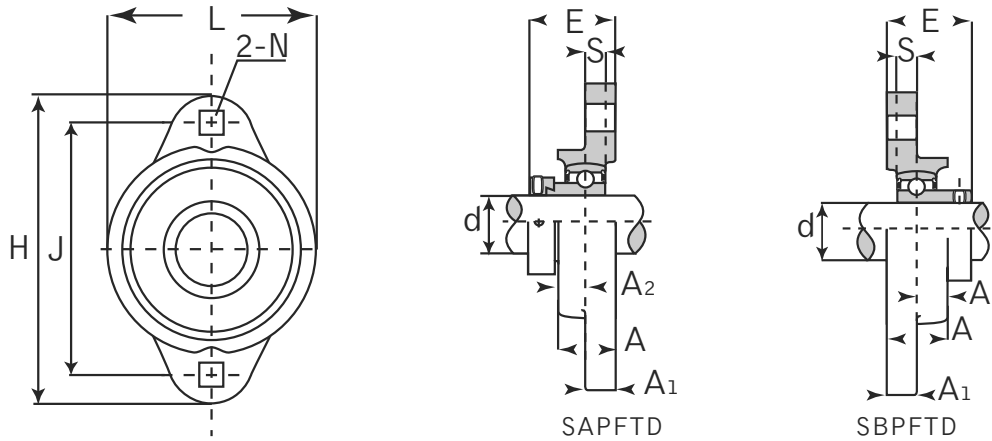
Unit No. SAFW SBFW	Shaft Dia. (inch / mm)	Dimensions (inch / mm)						SAFW		SBFW		Bolt Size	Bearing No. SA / SB	Housing No.	Weight	
		d	H	J	L	A	A2	N	S	E	S				E	kg
201 201-8 202 202-10 203 203-11	12 mm 1/2 15 mm 5/8 17 mm 1 1/16	3-3/16 <b>81</b>	2-1/2 <b>63.5</b>	2-5/16 <b>58.7</b>	19/32 <b>15</b>	11/32 <b>8.5</b>	9/32 <b>7</b>	0.2559 <b>6.5</b>	1.2047 <b>30.6</b>	0.2362 <b>6</b>	0.9645 <b>24.5</b>	1/2 M6	201 201-8 202 202-10 203 203-11	FW 203	0.30	0.66
204 204-12	20 mm 3/4	3-9/16 <b>90.5</b>	2-13/16 <b>71.4</b>	2-5/8 <b>66.5</b>	5/16 <b>17</b>	3/8 <b>9.5</b>	11/32 <b>9</b>	0.2952 <b>7.5</b>	1.2992 <b>33</b>	0.2755 <b>7</b>	1.0826 <b>27.5</b>	5/16 M8	204 204-12	FW 204	0.40	0.88
205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3-13/16 <b>97</b>	3 <b>76.2</b>	2-25/32 <b>71</b>	11/16 <b>17.5</b>	3/8 <b>9.5</b>	11/32 <b>9</b>	0.2952 <b>7.5</b>	1.2992 <b>33</b>	0.2952 <b>7.5</b>	1.1417 <b>29</b>	5/16 M8	205 205-14 205-15 205-16	FW 205	0.50	1.10
206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	4-7/16 <b>112.5</b>	3-9/16 <b>90.5</b>	3-5/16 <b>84</b>	3/8 <b>20.5</b>	7/16 <b>11.5</b>	13/16 <b>11.5</b>	0.3543 <b>9</b>	1.5039 <b>38.2</b>	0.3149 <b>8</b>	1.3188 <b>33.5</b>	3/8 M10	206 206-18 206-19 206-20	FW 206	0.80	1.76
207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	4-31/32 <b>126</b>	3-15/16 <b>100</b>	3-11/16 <b>94</b>	7/8 <b>22</b>	1/2 <b>12.5</b>	13/16 <b>11.5</b>	0.3740 <b>9.5</b>	1.6496 <b>41.9</b>	0.3346 <b>8.5</b>	1.4173 <b>36</b>	3/8 M10	207 207-20 207-21 207-22 207-23	FW 207	1.00	2.20
208 208-24 208-25	40 mm 1-1/2 1-9/16	5-29/32 <b>150</b>	4-11/16 <b>119</b>	3-15/16 <b>100</b>	15/16 <b>24</b>	9/16 <b>14.5</b>	9/16 <b>14</b>	0.4330 <b>11</b>	1.8582 <b>47.2</b>	0.3543 <b>9</b>	1.5551 <b>39.5</b>	1/2 M12	208 208-24 208-25	FW 208	1.4	3.08

The filling slots on these units are at the back of the housing.  
Add (G) suffix for regreasable. (ex. SAFW 205-16G)



# Malleable Ductile Flange Unit

Light Duty



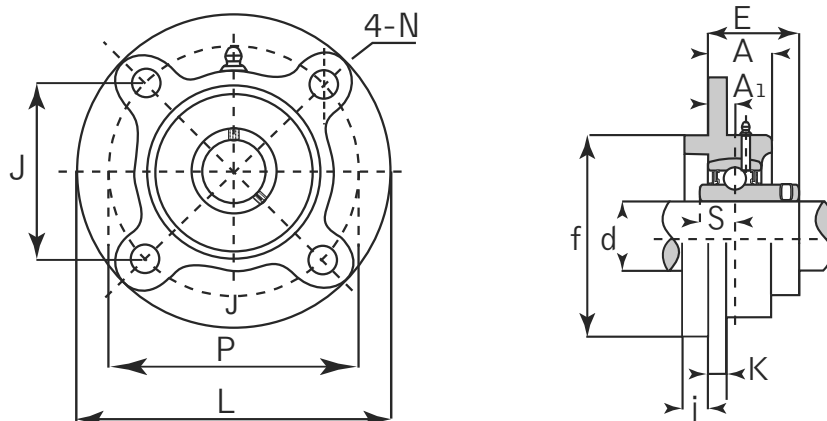
## SAPFTD Eccentric Locking Collar SBPFTD Set Screw Locking

Unit No. SAPFTD SBPFTD	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								SAPFTD		SBPFTD		Bolt Size	Bearing No. SA / SB	Housing No.	Weight	
		d	H	J	L	A	A1	A2	N	S	E	S	E				kg	lbs
201 201-8 202 202-10 203 203-11	12 mm 1/2 15 mm 5/8 17 mm 11/16	3-3/16 <b>81</b>	2-1/2 <b>63.5</b>	2-7/32 <b>56</b>	23/32 <b>18</b>	3/8 <b>9.5</b>	3/8 <b>9.5</b>	11/32 <b>8.7</b>	0.2559 <b>6.5</b>	1.2440 <b>31.6</b>	0.2362 <b>6</b>	1.2244 <b>31.1</b>	1/4 M 6	201 201-8 202 202-10 203 203-11	PFTD 203	0.30	0.66	
204 204-12	20 mm 3/4	3-17/32 <b>90</b>	2-13/16 <b>71.5</b>	2-13/32 <b>61</b>	25/32 <b>20</b>	7/16 <b>11</b>	7/16 <b>11</b>	11/32 <b>8.7</b>	0.2952 <b>7.5</b>	1.3582 <b>34.5</b>	0.2755 <b>7</b>	1.3228 <b>33.6</b>	5/16 M 8	204 204-12	PFTD 204	0.40	0.88	
205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3-3/4 <b>95</b>	3.000 <b>76</b>	2-17/32 <b>64</b>	25/32 <b>20</b>	7/16 <b>11</b>	7/16 <b>11</b>	11/32 <b>8.7</b>	0.2952 <b>7.5</b>	1.3582 <b>34.5</b>	0.2952 <b>7.5</b>	1.3228 <b>33.6</b>	5/16 M 8	205 205-14 205-15 205-16	PFTD 205	0.50	1.0	
206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	4-7/16 <b>113</b>	3-9/16 <b>90.5</b>	3 <b>76</b>	7/8 <b>22.5</b>	15/32 <b>12</b>	15/32 <b>12</b>	13/32 <b>10.3</b>	0.3543 <b>9</b>	1.5236 <b>38.7</b>	0.3149 <b>8</b>	1.5039 <b>38.2</b>	3/8 M 10	206 206-18 206-19 206-20	PFTD 206	0.70	1.54	
207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	4-13/16 <b>122</b>	3-15/16 <b>100</b>	3-1/2 <b>89</b>	15/16 <b>24</b>	1/2 <b>13</b>	1/2 <b>13</b>	13/32 <b>10.3</b>	0.3740 <b>9.5</b>	1.6692 <b>42.4</b>	0.3346 <b>8.5</b>	1.6181 <b>41.2</b>	3/8 M 10	207 207-20 207-21 207-22 207-23	PFTD 207	0.90	1.98	

Add (G) suffix for regreasable. (ex. SAPFTD 205-16G)

# Round Flange Cartridge Unit

Normal Duty



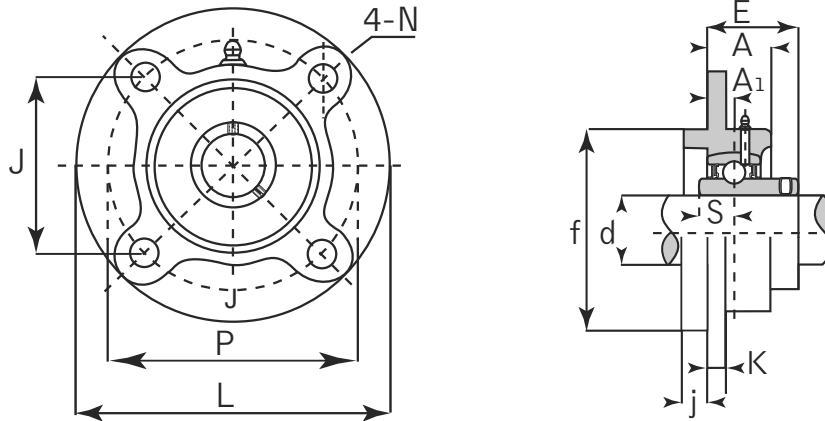
## UCFC Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)											Bolt Size (inch / mm)	Bearing No.	Housing No.	Weight			
		d	L	P	J	j	A	A1	N	K	f	E				S	kg	lbs	
UCFC 201	12 mm																	0.73	1.61
201-8	1/2																	0.72	1.58
202	15 mm																	0.72	1.58
202-10	5/8	3-15/16	3-5/64	2-11/64	13/64	13/16	13/32	15/32	15/64	2.4409	1.115	0.500	3/8	UC 201	FC 204	0.72	1.58		
203	17 mm	<b>100</b>	<b>78</b>	<b>55.1</b>	<b>5</b>	<b>20.5</b>	<b>10</b>	<b>12</b>	<b>6</b>	<b>62</b>	<b>28.3</b>	<b>12.7</b>	M10	202-10		0.71	1.56		
203-11	11/16													203		0.70	1.56		
204	20 mm													203-11		0.69	1.52		
204-12	3/4													204		0.69	1.52		
														204-12		0.69	1.52		
UCFC 205	25 mm																	1.00	2.20
205-14	7/8	4-17/32	3-35/64	2-1/2	15/64	56/64	13/32	15/32	9/32	2.7559	1.169	0.5629	3/8	UC 205	FC 205	1.03	2.27		
205-15	15/16	<b>115</b>	<b>90</b>	<b>63.6</b>	<b>6</b>	<b>21</b>	<b>10</b>	<b>12</b>	<b>7</b>	<b>70</b>	<b>29.7</b>	<b>14.3</b>	M10	205-14		1.01	2.22		
205-16	1													205-15		1.00	2.20		
														205-16		1.00	2.20		
UCFC 206	30 mm																1.30	2.86	
206-18	1-1/8	4-29/32	3-15/16	2-25/32	5/16	29/32	13/32	15/32	5/16	3.1496	1.268	0.6259	3/8	UC 206	FC 206	1.32	2.90		
206-19	1-3/16	<b>125</b>	<b>100</b>	<b>70.7</b>	<b>8</b>	<b>23</b>	<b>10</b>	<b>12</b>	<b>8</b>	<b>80</b>	<b>32.2</b>	<b>15.9</b>	M10	206-18		1.30	2.86		
206-20	1-1/4													206-19		1.29	2.84		
														206-20		1.29	2.84		
UCFC 207	35 mm																1.81	3.98	
207-20	1-1/4	5-5/16	4-21/64	3-1/16	5/16	1-1/32	7/16	35/64	23/64	3.5433	1.433	0.6889	7/16	UC 207	FC 207	1.87	4.11		
207-21	1-5/16	<b>135</b>	<b>110</b>	<b>77.8</b>	<b>8</b>	<b>26</b>	<b>11</b>	<b>14</b>	<b>9</b>	<b>90</b>	<b>36.4</b>	<b>17.5</b>	M12	207-20		1.87	4.11		
207-22	1-3/8													207-21		1.81	3.98		
207-23	1-7/16													207-22		1.78	3.92		
														207-23		1.78	3.92		
UCFC 208	40 mm																2.14	4.71	
208-24	1-1/2	5-23/32	4-23/32	3-11/32	25/64	1-1/32	7/16	35/64	23/64	3.9370	1.622	0.7480	7/16	UC 208	FC 208	2.18	4.80		
208-25	1-9/16	<b>145</b>	<b>120</b>	<b>84.8</b>	<b>10</b>	<b>26</b>	<b>11</b>	<b>14</b>	<b>9</b>	<b>100</b>	<b>41.2</b>	<b>19</b>	M12	208-24		2.15	4.73		
														208-25		2.15	4.73		
UCFC 209	45 mm																2.68	5.90	
209-26	1-5/8	6-5/16	5-13/64	3-43/64	15/32	1-1/32	25/64	5/8	25/64	4.1339	1.622	0.7480	1/2	UC 209	FC 209	2.78	6.12		
209-27	1-11/16	<b>160</b>	<b>132</b>	<b>93.3</b>	<b>12</b>	<b>26</b>	<b>10</b>	<b>16</b>	<b>10</b>	<b>105</b>	<b>41.2</b>	<b>19</b>	M14	209-26		2.74	6.03		
209-28	1-3/4													209-27		2.70	5.94		
														209-28		2.70	5.94		



# Round Flange Cartridge Unit

## Normal Duty



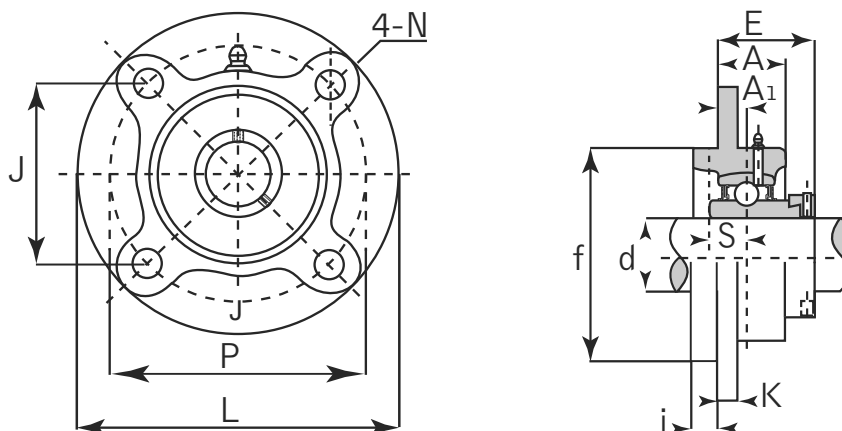
### UCFC Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)											Bolt Size (inch / mm)	Bearing No.	Housing No.	Weight		
		d	L	P	J	j	A	A1	N	K	f	E				S	kg	lbs
UCFC 210	50 mm													1/2 M14	UC 210 210-30 210-31 210-32	FC 210	2.90	6.38
210-30	1-7/8	6-1/2	5-7/16	3-27/32	15/32	1-7/64	25/64	5/8	9/16	4.3307	1.667	0.7480	2.97				6.53	
210-31	1-15/16	<b>165</b>	<b>138</b>	<b>97.6</b>	<b>12</b>	<b>28</b>	<b>10</b>	<b>16</b>	14	<b>110</b>	<b>42.6</b>	<b>19</b>	2.92				6.42	
210-32	2												2.88				6.34	
UCFC 211	55 mm													5/8 M16	UC 211 211-32 211-34 211-35	FC 211	4.01	8.82
211-32	2	7-9/32	5-29/32	4-3/16	15/32	1-3/16	1/2	3/4	19/32	4.9213	1.827	0.8740	4.16				9.15	
211-34	2-1/8	<b>185</b>	<b>150</b>	<b>106.1</b>	<b>12</b>	<b>30</b>	<b>13</b>	<b>19</b>	15	<b>125</b>	<b>46.4</b>	<b>22.2</b>	4.05				8.91	
211-35	2-3/16												3.99				8.78	
UCFC 212	60 mm													5/8 M16	UC 212 212-36 212-38 212-39	FC 212	4.94	10.87
212-36	2-1/4	7-11/16	6-19/64	4-29/64	15/32	1-13/32	43/64	3/4	19/32	5.3150	2.322	1.000	5.07				11.15	
212-38	2-3/8	<b>195</b>	<b>160</b>	<b>113.1</b>	<b>12</b>	<b>36</b>	<b>17</b>	<b>19</b>	15	<b>135</b>	<b>56.7</b>	<b>25.4</b>	4.92				10.82	
212-39	2-7/16												4.85				10.67	
UCFC 213	65 mm													5/8 M16	UC 213 213-40	FC 213	5.65	1243
213-40	2-1/2	<b>205</b>	<b>170</b>	<b>120.2</b>	<b>14</b>	<b>36</b>	<b>16</b>	<b>19</b>	15	<b>139.9</b>	<b>55.7</b>	<b>25.4</b>	5.74				12.63	
UCFC 214	70 mm													5/8 M16	UC 214 214-43 214-44	FC 214	6.95	15.29
214-43	2-11/16	8-15/32	6-31/32	4-59/64	35/64	1-37/64	21/32	3/4	23/32	5.9055	2.417	1.1889	7.16				15.75	
214-44	2-3/4	<b>215</b>	<b>177</b>	<b>125.1</b>	<b>14</b>	<b>40</b>	<b>17</b>	<b>19</b>	<b>18</b>	<b>150</b>	<b>61.4</b>	<b>30.2</b>	6.96				15.31	
UCFC 215	75 mm													5/8 M16	UC 215 215-47 215-48	FC 215	7.56	16.63
215-47	2-15/16	8-21/32	7-1/4	5-1/8	5/8	1-37/64	23/32	3/4	23/32	6.2992	2.461	1.3110	7.59				16.70	
215-48	3	<b>220</b>	<b>184</b>	<b>130.1</b>	<b>16</b>	<b>40</b>	<b>18</b>	<b>19</b>	<b>18</b>	<b>160</b>	<b>62.5</b>	<b>33.3</b>	7.47				16.43	
UCFC 216	80 mm													3/4 M20	UC 216 216-50	FC 216	9.15	20.13
216-50	3-1/8	<b>240</b>	<b>200</b>	<b>141.4</b>	<b>16</b>	<b>42</b>	<b>18</b>	<b>23</b>	<b>18</b>	<b>170</b>	<b>67.3</b>	<b>33.3</b>	9.20				20.24	
UCFC 217	85 mm													3/4 M20	UC 217 217-52 217-55	FC 217	10.81	23.78
217-52	3-1/4	9-27/32	8-3/16	5-51/64	23/32	1-25/32	23/32	29/32	25/32	7.0866	2.740	1.3425	11.03				24.27	
217-55	3-7/16	<b>250</b>	<b>208</b>	<b>147.1</b>	<b>18</b>	<b>45</b>	<b>18</b>	<b>23</b>	<b>20</b>	<b>180</b>	<b>69.6</b>	<b>34.1</b>	10.60				23.32	
UCFC 218	90 mm													3/4 M20	UC 218 218-56	FC 218	12.96	28.51
218-56	3-1/2	<b>265</b>	<b>220</b>	<b>155.5</b>	<b>18</b>	<b>50</b>	<b>22</b>	<b>23</b>	<b>20</b>	<b>190</b>	<b>78.3</b>	<b>39.7</b>	13.17				28.97	



# Round Flange Cartridge Unit

## Normal Duty



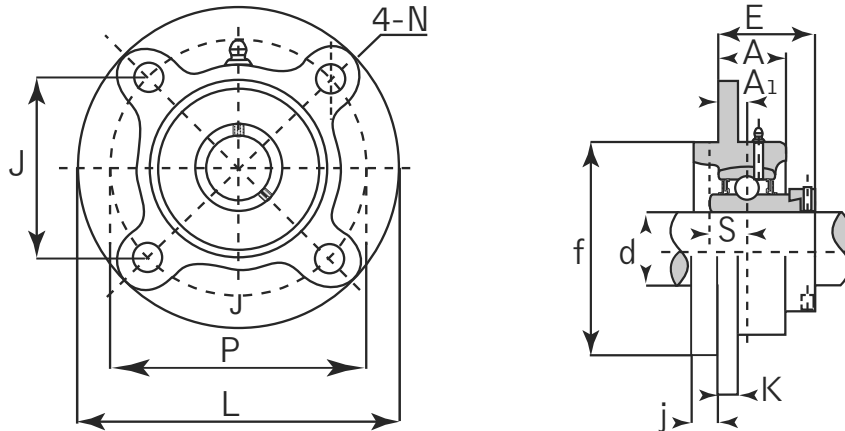
## HCFC Eccentric Locking Collar

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)											Bolt Size (inch / mm)	Bearing No.	Housing No.	Weight			
		d	L	P	J	j	A	A1	N	K	f	E				S	kg	lbs	
HCFC 201	12 mm																	0.73	1.61
201-8	1/2																	0.72	1.58
202	15 mm																	0.82	1.80
202-10	5/8	3-15/16	3-5/64	2-11/64	13/64	13/16	25/64	15/32	15/64	2.4409	1.437	0.500	3/8				0.72	1.58	
203	17 mm	<b>100</b>	<b>78</b>	<b>55.1</b>	<b>5</b>	<b>20.5</b>	<b>10</b>	<b>12</b>	<b>6</b>	<b>62</b>	<b>36.5</b>	<b>17</b>	M10				0.71	1.56	
203-11	11/16																0.70	1.54	
203	20 mm																0.76	1.67	
204-12	3/4																0.76	1.67	
HCFC 205	25 mm																	1.07	2.35
205-14	7/8	4-17/32	3-35/64	2-1/2	15/64	13/16	25/64	15/32	9/32	2.7559	1.453	0.6889	3/8				1.11	2.44	
205-15	15/16	<b>115</b>	<b>90</b>	<b>63.6</b>	<b>6</b>	<b>21</b>	<b>10</b>	<b>12</b>	<b>7</b>	<b>70</b>	<b>36.9</b>	<b>17.5</b>	M10				1.09	2.40	
205-16	1																1.07	2.35	
HCFC 206	30 mm																	1.43	3.15
206-18	1-1/8	4-29/32	3-15/16	2-25/32	5/16	29/32	25/64	15/32	5/16	3.1496	1.579	0.7204	3/8				1.45	3.19	
206-19	1-3/16	<b>125</b>	<b>100</b>	<b>70.7</b>	<b>8</b>	<b>23</b>	<b>10</b>	<b>12</b>	<b>8</b>	<b>80</b>	<b>40.1</b>	<b>18.3</b>	M10				1.43	3.15	
206-20	1-1/4																1.40	3.08	
HCFC 207	35 mm																	1.93	4.25
207-20	1-1/4	5-5/16	4-21/64	3-1/16	5/16	1-1/32	7/16	35/64	23/64	3.5433	1.705	0.7401	7/16				2.00	4.40	
207-21	1-5/16	<b>135</b>	<b>110</b>	<b>77.8</b>	<b>8</b>	<b>26</b>	<b>11</b>	<b>14</b>	<b>9</b>	<b>90</b>	<b>43.3</b>	<b>18.8</b>	M12				1.93	4.25	
207-22	1-3/8																1.93	4.25	
207-23	1-7/16																1.87	4.11	
HCFC 208	40 mm																	2.29	5.04
208-24	1-1/2	5-23/32	4-23/32	3-11/32	25/64	1-1/32	7/16	35/64	23/64	3.9370	1.807	0.8425	7/16				2.34	5.15	
208-25	1-9/16	<b>145</b>	<b>120</b>	<b>84.8</b>	<b>10</b>	<b>26</b>	<b>11</b>	<b>14</b>	<b>9</b>	<b>100</b>	<b>45.9</b>	<b>21.4</b>	M12				2.30	5.06	
HCFC 209	45 mm																	2.85	6.27
209-26	1-5/8	6-5/16	5-13/64	3-43/64	15/32	1-1/32	25/64	5/8	25/64	4.1339	1.768	0.8425	1/2				2.96	6.51	
209-27	1-11/16	<b>160</b>	<b>132</b>	<b>93.3</b>	<b>12</b>	<b>26</b>	<b>10</b>	<b>16</b>	<b>14</b>	<b>105</b>	<b>44.9</b>	<b>21.4</b>	M14				2.91	6.40	
209-28	1-3/4																2.87	6.31	



# Round Flange Cartridge Unit

Normal Duty

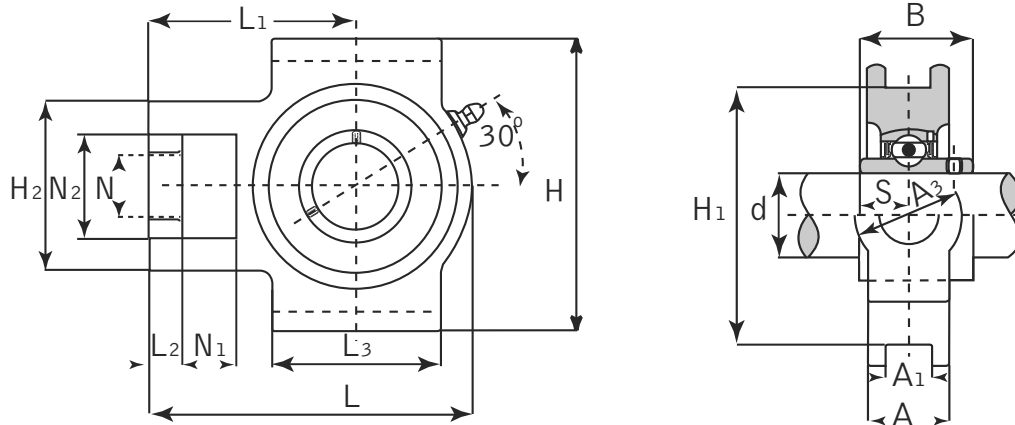


## HCFC Eccentric Locking Collar

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)											Bolt Size (inch / mm)	Bearing No.	Housing No.	Weight	
		d	L	P	J	j	A	A1	N	K	f	E				S	kg
HCFC 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	6-1/2 <b>165</b>	5-7/16 <b>138</b>	3-27/32 <b>97.6</b>	15/32 <b>12</b>	1-3/32 <b>28</b>	25/64 <b>10</b>	5/8 <b>16</b>	35/64 <b>14</b>	4.3307 <b>110</b>	1.894 <b>48.1</b>	0.9685 <b>24.6</b>	1/2 M14	HC 210 210-30 210-31 210-32	FC 210	3.09 3.18 3.12 3.06	6.80 7.00 6.86 6.73
HCFC 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	7-9/32 <b>185</b>	5-29/32 <b>150</b>	4-3/16 <b>106.1</b>	15/32 <b>12</b>	1-3/16 <b>30</b>	33/64 <b>13</b>	3/4 <b>19</b>	35/64 <b>14</b>	4.9213 <b>125</b>	2.228 <b>56.6</b>	1.0944 <b>27.8</b>	5/8 M16	HC 211 211-32 211-34 211-35	FC 211	4.22 4.42 4.27 4.19	9.28 9.72 9.39 9.22
HCFC 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	7-11/16 <b>195</b>	6-19/64 <b>160</b>	4-29/64 <b>113.1</b>	15/32 <b>12</b>	1-13/32 <b>36</b>	43/64 <b>17</b>	3/4 <b>19</b>	19/32 <b>15</b>	5.3150 <b>135</b>	2.512 <b>63.8</b>	1.2204 <b>31</b>	5/8 M16	HC 212 212-36 212-38 212-39	FC 212	5.28 5.44 5.30 5.17	11.62 11.97 11.66 11.37
HCFC 213 213-40	65 mm 2-1/2	8-1/16 <b>205</b>	6-11/16 <b>170</b>	4-47/64 <b>120.2</b>	35/64 <b>14</b>	1-3/8 <b>35</b>	5/8 <b>16</b>	3/4 <b>19</b>	19/32 <b>15</b>	5.709 <b>145</b>	2.661 <b>67.6</b>	1.3425 <b>34.1</b>	5/8 M16	HC 213 213-40	FC 213	6.21 6.31	13.66 13.88
HCFC 214 214-43 214-44	70 mm 2-11/16 2-3/4	8-15/32 <b>215</b>	6-31/32 <b>177</b>	4-59/64 <b>125.1</b>	35/64 <b>14</b>	1-1/2 <b>38</b>	43/64 <b>17</b>	3/4 <b>19</b>	5/8 <b>16</b>	5.9055 <b>150</b>	2.701 <b>68.6</b>	1.3425 <b>34.1</b>	5/8 M16	HC 214 214-43 214-44	FC 214	7.45 7.69 7.46	16.39 16.92 16.41
HCFC 215 215-47 215-48	75 mm 2-15/16 3	8-21/32 <b>220</b>	7-1/4 <b>184</b>	5-1/8 <b>130.1</b>	5/8 <b>16</b>	1-17/32 <b>39</b>	23/32 <b>18</b>	3/4 <b>19</b>	43/64 <b>17</b>	6.2992 <b>160</b>	2.866 <b>72.8</b>	1.4685 <b>37.3</b>	5/8 M16	HC 215 215-47 215-48	FC 215	7.56 7.59 7.47	16.63 16.70 16.43
HCFC 216 216-50	80 mm 3-1/8	9-7/16 <b>240</b>	7-7/8 <b>200</b>	5-9/16 <b>141.4</b>	5/8 <b>16</b>	1-21/32 <b>42</b>	23/32 <b>18</b>	29/32 <b>23</b>	23/32 <b>18</b>	6-11/16 <b>170</b>	2.988 <b>75.9</b>	1.3110 <b>33.3</b>	3/4 M20	HC 216 216-50	FC 216	9.15 9.20	20.13 20.24
HCFC 217 217-52 217-55	85 mm 3-1/4 3-7/16	9-27/32 <b>250</b>	8-3/16 <b>208</b>	5-51/64 <b>147.1</b>	23/32 <b>18</b>	1-25/32 <b>45</b>	23/32 <b>18</b>	29/32 <b>23</b>	25/32 <b>20</b>	7-3/32 <b>180</b>	2.669 <b>67.8</b>	1.3425 <b>34.1</b>	3/4 M20	HC 217 217-52 217-55	FC 217	10.81 11.03 10.89	23.78 24.27 23.96
HCFC 218 218-56	90 mm 3-1/2	10-7/16 <b>265</b>	8-21/32 <b>220</b>	6-1/8 <b>155.5</b>	23/32 <b>18</b>	1-31/32 <b>50</b>	55/64 <b>22</b>	29/32 <b>23</b>	25/32 <b>20</b>	7-31/64 <b>190</b>	2.756 <b>70</b>	1.3440 <b>39.7</b>	3/4 M20	HC 218 218-56	FC 218	12.96 13.07	28.51 28.75

# Take Up Unit

## Normal Duty



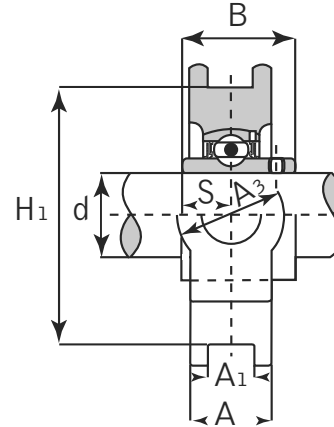
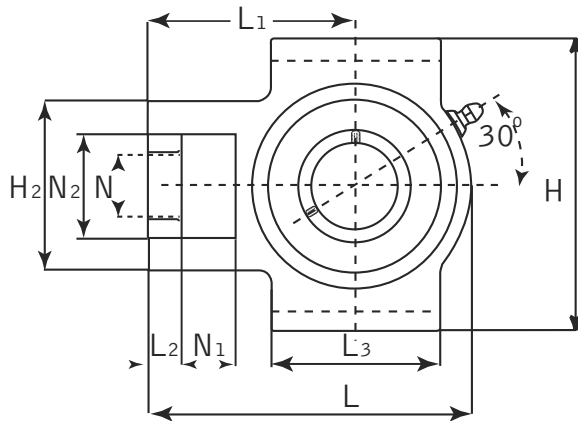
### UCT Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)															Bearing No.	Housing No.	Weight		
		d	N	N1	N2	L	L1	L2	L3	H	H1	H2	A	A1	A3	B			S	kg	lbs
UCT 201	12 mm																	UC 201		0.80	1.76
201-8	1/2																	201-8		0.79	1.74
202	15 mm																	202	T 204	0.79	1.74
202-10	5/8	3/4	5/8	1-1/4	3-11/16	2-13/32	25/64	2-1/64	3-1/2	2-63/64	1-1/64	13/16	15/32	1-1/4	1.2205	0.500	202-10		0.79	1.74	
203	17 mm	<b>19</b>	<b>16</b>	<b>32</b>	<b>94</b>	<b>61</b>	<b>10</b>	<b>51</b>	<b>89</b>	<b>76</b>	<b>51</b>	<b>21</b>	<b>12</b>	<b>32</b>	<b>31</b>	<b>12.7</b>	203		0.78	1.72	
203-11	11/16																203-11		0.77	1.69	
204	20 mm																	204		0.76	1.67
204-12	3/4																	204-12		0.76	1.67
UCT 205	25 mm																	UC 205		0.81	1.78
205-14	7/8	3/4	5/8	1-1/4	3-13/16	2-7/16	25/64	2-1/64	3-1/2	2-63/64	1-1/64	15/16	15/32	1-1/4	1.3425	0.5629	205-14	T 205	0.84	1.85	
205-15	15/16	<b>19</b>	<b>16</b>	<b>32</b>	<b>97</b>	<b>62</b>	<b>10</b>	<b>51</b>	<b>89</b>	<b>76</b>	<b>51</b>	<b>14</b>	<b>12</b>	<b>32</b>	<b>34.1</b>	<b>14.3</b>	205-15		0.82	1.80	
205-16	1																	205-16		0.81	1.78
UCT 206	30 mm																	UC 206		1.22	2.68
206-18	1-1/8	55/64	5/8	1-29/64	4-7/16	2-3/4	25/64	2-1/4	4-1/64	3-1/2	2-7/32	1-3/32	15/32	1-29/64	1.500	0.6259	206-18	T 206	1.24	2.73	
206-19	1-3/16	<b>22</b>	<b>16</b>	<b>37</b>	<b>113</b>	<b>70</b>	<b>10</b>	<b>57</b>	<b>102</b>	<b>89</b>	<b>56</b>	<b>28</b>	<b>12</b>	<b>37</b>	<b>38.1</b>	<b>15.9</b>	206-19		1.22	2.68	
206-20	1-1/4																	206-20		1.21	2.66
UCT 207	35 mm																	UC 207		1.44	3.17
207-20	1-1/4	55/64	5/8	1-29/64	5-3/32	3-5/64	33/64	2-33/64	4-1/64	3-1/2	w2-33/64	1-3/16	15/32	1-29/64	1.6890	0.6889	207-20	T 207	1.50	3.30	
207-21	1-5/16	<b>22</b>	<b>16</b>	<b>37</b>	<b>129</b>	<b>78</b>	<b>13</b>	<b>64</b>	<b>102</b>	<b>89</b>	<b>64</b>	<b>30</b>	<b>12</b>	<b>37</b>	<b>42.9</b>	<b>17.5</b>	207-21		1.46	3.21	
207-22	1-3/8																	207-22		1.44	3.17
207-23	1-7/16																	207-23		1.41	3.10
UCT 208	40 mm	1-9/64	3/4	1-15/16	5-21/32	3-1/2	5/8	3-17/64	4-1/2	4-1/64	3-17/64	1-5/16	5/8	1-15/16	1.9370	0.7480	UC 208		2.40	5.28	
208-24	1-1/2	<b>29</b>	<b>19</b>	<b>49</b>	<b>144</b>	<b>89</b>	<b>16</b>	<b>83</b>	<b>114</b>	<b>102</b>	<b>83</b>	<b>33</b>	<b>16</b>	<b>49</b>	<b>49.2</b>	<b>19</b>	208-24	T 208	2.44	5.37	
208-25	1-9/16																	208-25		2.41	5.30
UCT 209	45 mm	1-9/64	3/4	1-15/16	5-21/32	3-27/64	5/8	3-17/64	4-19/32	4-1/64	3-17/64	1-3/8	5/8	1-15/16	1.9370	0.7480	UC 209		2.36	5.19	
209-26	1-5/8	<b>29</b>	<b>19</b>	<b>49</b>	<b>144</b>	<b>87</b>	<b>16</b>	<b>83</b>	<b>117</b>	<b>102</b>	<b>83</b>	<b>35</b>	<b>16</b>	<b>49</b>	<b>49.2</b>	<b>19</b>	209-26	T 209	2.46	5.41	
209-27	1-11/16																	209-27		2.42	5.32
209-28	1-3/4																	209-28		2.38	5.24



# Take Up Unit

## Normal Duty - Narrow Slot

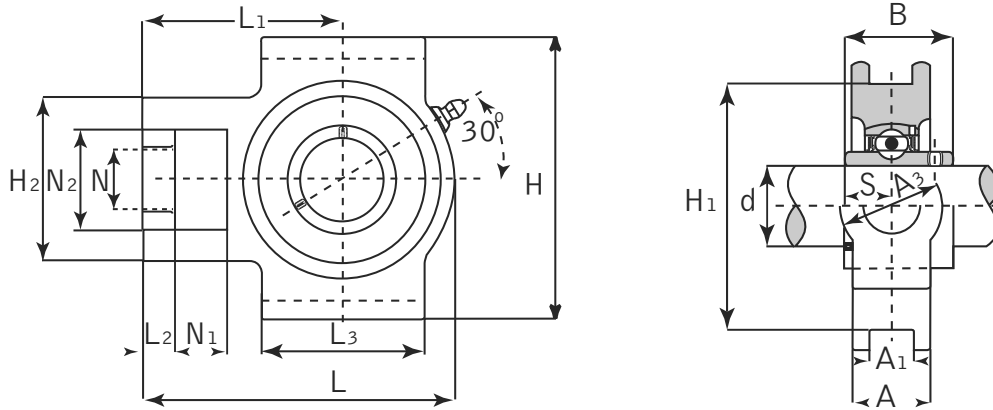


## UCT Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)															Bearing No.	Housing No.	Weight		
		d	N	N1	N2	L	L1	L2	L3	H	H1	H2	A	A1	A3	B			S	kg	lbs
UCT 210	50 mm																	UC 210	T 210	2.43	5.35
210-30	1-7/8	1-9/64	3/4	1-15/16	5-7/8	3-35/64	5/8	3-17/64	4-19/32	4-1/64	3-17/64	1-15/32	5/8	1-15/16	2.0315	0.7480	210-30	2.50		5.50	
210-31	1-15/16	<b>29</b>	<b>19</b>	<b>49</b>	<b>149</b>	<b>90</b>	<b>16</b>	<b>86</b>	<b>117</b>	<b>102</b>	<b>83</b>	<b>37</b>	<b>16</b>	<b>49</b>	<b>51.6</b>	<b>19</b>	210-31	2.45		5.39	
210-32	2																210-32	2.41		5.30	
UCT 211	55 mm																	UC 211	T 211	4.11	9.04
211-32	2	1-3/8	63/64	2-1/32	6-23/32	4-11/64	3/4	3-3/4	5-3/4	5-1/8	4-1/64	1-1/2	55/64	2-33/64	2.1890	0.8740	211-32	4.26		9.37	
211-34	2-1/8	<b>35</b>	<b>25</b>	<b>64</b>	<b>171</b>	<b>106</b>	<b>19</b>	<b>95</b>	<b>146</b>	<b>130</b>	<b>102</b>	<b>38</b>	<b>22</b>	<b>64</b>	<b>55.6</b>	<b>22.2</b>	211-34	4.15		9.13	
211-35	2-3/16																211-35	4.09		9.00	
UCT 212	60 mm																	UC 212	T 212	4.97	10.93
212-36	2-1/4	1-3/8	1-17/64	2-1/32	7-5/8	4-11/16	3/4	4-1/64	5-3/4	5-1/8	4-1/64	1-21/32	55/64	2-33/64	2.5236	1.000	212-36	5.10		11.22	
212-38	2-3/8	<b>35</b>	<b>32</b>	<b>64</b>	<b>194</b>	<b>119</b>	<b>19</b>	<b>102</b>	<b>146</b>	<b>130</b>	<b>102</b>	<b>42</b>	<b>22</b>	<b>64</b>	<b>64.1</b>	<b>25.4</b>	212-38	4.95		10.89	
212-39	2-7/16																212-39	4.88		10.74	
UCT 213	65 mm																	UC 213	T 213	6.65	14.63
213-40	2-1/2	1-17/64	1-17/64	2-3/4	8-13/16	5-25/64	53/64	4-3/4	6-9/16	5-15/16	4-3/8	1-23/32	1-1/32	2-3/4	2.5630	1.000	213-40	6.74		14.83	
UCT 214	70 mm																	UC 214	T 214	7.05	15.51
214-43	2-11/16	1-39/64	1-17/64	2-3/4	8-13/16	5-25/64	53/64	4-3/4	6-9/16	5-15/16	4-3/8	1-13/16	1-1/32	2-3/4	2.9370	1.1889	214-43	7.26		15.97	
214-44	2-3/4	<b>41</b>	<b>32</b>	<b>70</b>	<b>224</b>	<b>137</b>	<b>21</b>	<b>121</b>	<b>167</b>	<b>151</b>	<b>111</b>	<b>46</b>	<b>26</b>	<b>70</b>	<b>74.6</b>	<b>30.2</b>	214-44	7.06		15.53	
UCT 215	75 mm																	UC 215	T 215	7.41	16.30
215-47	2-15/16	1-39/64	1-17/64	2-3/4	9-1/8	5-33/64	53/64	4-3/4	6-9/16	5-15/16	4-3/8	1-57/64	1-1/32	2-3/4	3.0630	1.3110	215-47	7.44		16.37	
215-48	3	<b>41</b>	<b>32</b>	<b>70</b>	<b>232</b>	<b>140</b>	<b>21</b>	<b>121</b>	<b>167</b>	<b>151</b>	<b>111</b>	<b>48</b>	<b>26</b>	<b>70</b>	<b>77.8</b>	<b>33.3</b>	215-48	7.32		16.10	
UCT 216	80 mm																	UC 216	T 216	8.30	18.26
216-50	3-1/8	1-39/64	1-17/64	2-3/4	9-1/4	5-33/64	53/64	4-3/4	7-1/4	6-1/2	4-3/8	2	1-1/32	2-3/4	3.2520	1.3110	216-50	8.35		18.37	
UCT 217	85 mm																	UC 217	T 217	11.00	24.20
217-52	3-1/4	1-57/64	1-1/2	2-7/8	10-1/4	6-3/8	1-9/64	6-3/16	7-25/32	6-13/16	4-7/8	2-1/8	1-3/16	2-7/8	3.3740	1.3425	217-52	11.22		24.68	
217-55	3-7/16	<b>48</b>	<b>38</b>	<b>73</b>	<b>260</b>	<b>162</b>	<b>29</b>	<b>157</b>	<b>198</b>	<b>173</b>	<b>124</b>	<b>54</b>	<b>30</b>	<b>73</b>	<b>85.7</b>	<b>34.1</b>	217-55	10.80		23.76	

# Take Up Unit

## Normal Duty - Wide Slot



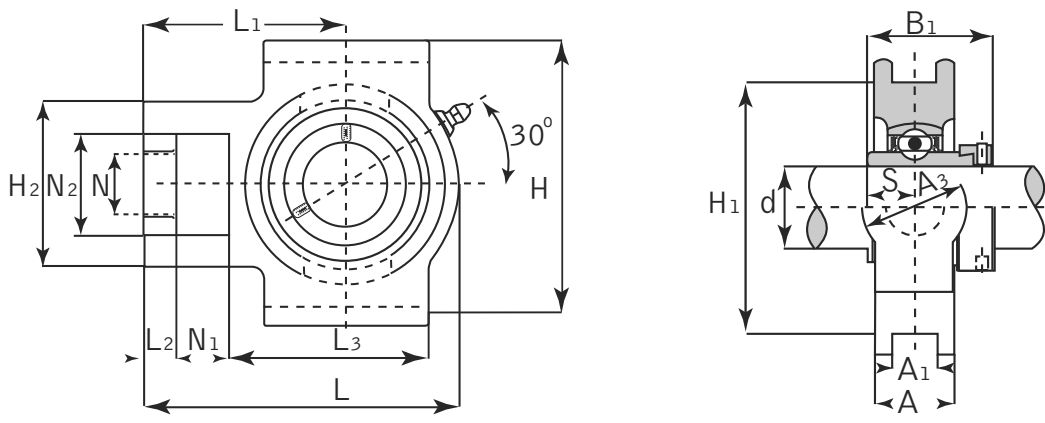
### UCST Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)															Bearing No.	Housing No.	Weight		
		d	N	N1	N2	L	L1	L2	L3	H	H1	H2	A	A1	A3	B			S	kg	lbs
UCST 201	12 mm																	UC 201		0.80	1.76
201-8	1/2																	201-8		0.79	1.74
202	15 mm																	202		0.79	1.74
202-10	5/8	3/4	5/8	1-1/4	3-11/16	2-3/8	25/64	2-1/64	3-1/2	3	1-1/64	15/16	17/32	1-1/4	1.2204	0.500	202-10	ST 204	0.79	1.74	
203	17 mm	<b>19</b>	<b>16</b>	<b>32</b>	<b>94</b>	<b>60.3</b>	<b>10</b>	<b>51</b>	<b>89</b>	<b>76.2</b>	<b>51</b>	<b>24</b>	<b>13.5</b>	<b>32</b>	<b>31</b>	<b>12.7</b>	203		0.78	1.72	
203-11	11/16																203-11		0.77	1.69	
204	20 mm																204		0.76	1.67	
204-12	3/4																204-12		0.76	1.67	
UCST 205	25 mm																UC 205		0.81	1.78	
205-14	7/8	3/4	5/8	1-1/4	3-13/16	2-7/16	25/64	2-1/64	3-1/2	3	1-1/64	15/16	17/32	1-1/4	1.3425	0.5629	205-14	ST 205	0.84	1.85	
205-15	15/16	<b>19</b>	<b>16</b>	<b>32</b>	<b>97</b>	<b>62</b>	<b>10</b>	<b>51</b>	<b>89</b>	<b>76.2</b>	<b>51</b>	<b>24</b>	<b>13.5</b>	<b>32</b>	<b>34.1</b>	<b>14.3</b>	205-15		0.82	1.80	
205-16	1																205-16		0.81	1.78	
UCST 206	30 mm																UC 206		1.22	2.68	
206-18	1-1/8	55/64	5/8	1-7/16	4-7/16	2-3/4	25/64	2-1/4	4-1/32	3-1/2	2-7/32	15/16	17/32	1-7/16	1.5590	0.6259	206-18	ST 206	1.24	2.73	
206-19	1-3/16	<b>22</b>	<b>16</b>	<b>36.5</b>	<b>113</b>	<b>70</b>	<b>10</b>	<b>57</b>	<b>102</b>	<b>89</b>	<b>56</b>	<b>24</b>	<b>13.5</b>	<b>36.5</b>	<b>38.1</b>	<b>15.9</b>	206-19		1.22	2.68	
206-20	1-1/4																206-20		1.21	2.66	
UCST 207	35 mm																UC 207		1.44	3.17	
207-20	1-1/4	55/64	5/8	1-7/16	5-3/32	3-1/16	1/2	2-1/2	4-1/32	3-1/2	2-1/2	1-3/16	17/32	1-7/16	1.6889	0.6889	207-20	ST 207	1.50	3.30	
207-21	1-5/16	<b>22</b>	<b>16</b>	<b>36.5</b>	<b>129</b>	<b>78</b>	<b>13</b>	<b>63.5</b>	<b>102</b>	<b>89</b>	<b>64</b>	<b>30</b>	<b>13.5</b>	<b>36.5</b>	<b>42.9</b>	<b>17.5</b>	207-21		1.46	3.21	
207-22	1-3/8																207-22		1.44	3.17	
207-23	1-7/16																207-23		1.41	3.10	
UCST 208	40 mm																UC 208		2.40	5.28	
208-24	1-1/2	1-7/64	3/4	1-15/16	5-21/32	3-1/2	5/8	3-1/4	4-1/2	4-1/64	3-1/4	1-3/8	11/16	1-15/16	1.9370	0.7480	208-24	ST 208	2.44	5.37	
208-25	1-9/16	<b>28</b>	<b>19</b>	<b>49</b>	<b>144</b>	<b>89</b>	<b>16</b>	<b>82.5</b>	<b>114.3</b>	<b>102</b>	<b>83</b>	<b>35</b>	<b>17.5</b>	<b>49</b>	<b>49.2</b>	<b>19.0</b>	208-25		2.41	5.30	
UCST 209	45 mm																UC 209		2.36	5.19	
209-26	1-5/8	1-7/64	3/4	1-15/16	5-21/32	3-7/16	5/8	3-1/4	4-19/32	4-1/64	3-1/4	1-3/8	11/16	1-15/16	1.9370	0.7480	209-26	ST 209	2.46	5.41	
209-27	1-11/16	<b>28</b>	<b>19</b>	<b>49</b>	<b>144</b>	<b>87</b>	<b>16</b>	<b>82.5</b>	<b>117</b>	<b>102</b>	<b>83</b>	<b>35</b>	<b>17.5</b>	<b>49</b>	<b>49.2</b>	<b>19.0</b>	209-27		2.42	5.32	
209-28	1-3/4																209-28		2.38	5.24	
UCST 210	50 mm																UC 210		2.43	5.35	
210-30	1-7/8	1-7/64	3/4	1-15/16	5-7/8	3-17/32	5/8	3-3/8	4-19/32	4-1/64	3-1/4	1-3/8	11/16	1-15/16	2.0314	0.7480	210-30	ST 210	2.50	5.50	
210-31	1-15/16	<b>28</b>	<b>19</b>	<b>49</b>	<b>149</b>	<b>90</b>	<b>16</b>	<b>85.7</b>	<b>117</b>	<b>102</b>	<b>83</b>	<b>35</b>	<b>17.5</b>	<b>49</b>	<b>51.6</b>	<b>19.0</b>	210-31		2.45	5.39	
210-32	2																210-32		2.41	5.30	
UCST 211	55 mm																UC 211		4.11	9.04	
211-32	2	1-3/8	1	2-1/2	6-23/32	4-3/16	3/4	3-3/4	5-3/4	5-1/8	4-1/32	1-5/8	1-1/16	2-1/2	2.1889	0.8740	211-32	ST 211	4.26	9.37	
211-34	2-1/8	<b>35</b>	<b>25.4</b>	<b>63.5</b>	<b>171</b>	<b>106</b>	<b>19</b>	<b>95</b>	<b>146</b>	<b>130</b>	<b>102</b>	<b>41</b>	<b>27</b>	<b>63.5</b>	<b>55.6</b>	<b>22.2</b>	211-34		4.15	9.13	
211-35	2-3/16																211-35		4.09	9.00	
UCST 212	60 mm																UC 212		4.97	10.93	
212-36	2-1/4	1-3/8	1-1/4	2-1/2	7-5/8	4-11/16	3/4	4-1/64	5-3/4	5-1/8	4-1/32	1-13/16	1-1/16	2-1/2	2.5629	1.000	212-36	ST 212	5.10	11.22	
212-38	2-3/8	<b>35</b>	<b>32</b>	<b>63.5</b>	<b>194</b>	<b>119</b>	<b>19</b>	<b>102</b>	<b>146</b>	<b>130</b>	<b>102</b>	<b>46</b>	<b>27</b>	<b>63.5</b>	<b>65.1</b>	<b>25.4</b>	212-38		4.95	10.89	
212-39	2-7/16																212-39		4.88	10.74	



# Take Up Unit

## Normal Duty - Wide Slot

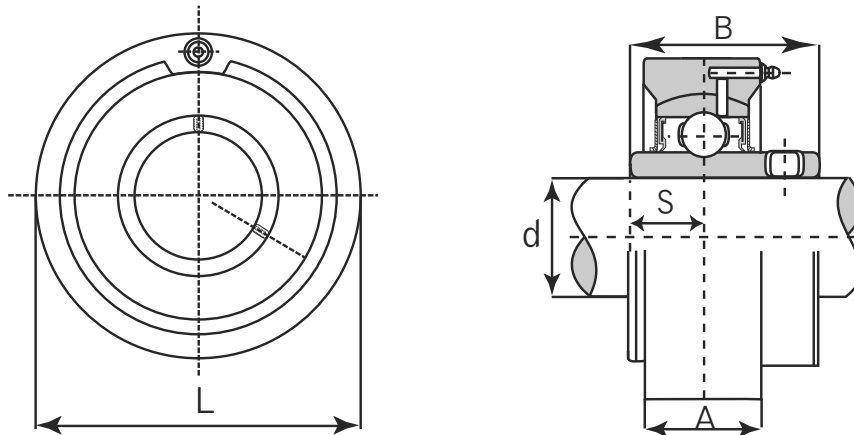


## HCST Eccentric Locking Collar

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)															Bearing No.	Housing No.	Weight	
		d	N	N1	N2	L	L1	L2	L3	H	H1	H2	A	A1	A3	B1			S	kg
HCST 201 201-8 202 202-9 202-10 203 203-11 204 204-12	12 mm 1/2 15 mm 9/16 5/8 17 mm 11/16 20 mm 3/4	3/4 19	5/8 16	1-1/4 32	3-11/16 94	2-3/8 60.3	13/32 10	2 51	3-1/2 89	3 76.2	2 51	15/16 24	17/32 13.5	1-1/4 32	1.7125 43.5	0.6732 17.1	HC 201 201-8 202 202-9 202-10 203 203-11 204 204-12	ST 204	0.79	1.74
HCST 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3/4 19	5/8 16	1-1/4 32	3-13/16 97	2-7/16 62	13/32 10	2 51	3-1/2 89	3 76.2	2 51	15/16 24	17/32 13.5	1-1/4 32	1.7440 44.3	0.6889 17.5	HC 205 205-14 205-15 205-16	ST 205	0.88	1.94
HCST 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	55/64 22	5/8 16	1-7/16 36.5	4-7/16 113	2-3/4 70	13/32 10	2 57	4-1/64 102	3-1/2 89	2-7/32 56	15/16 24	17/32 13.5	1-7/16 36.5	1.9015 48.3	0.7204 18.3	HC 206 206-18 206-19 206-20	ST 206	1.30	2.86
HCST 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	55/64 22	5/8 16	1-7/16 36.5	5-3/32 129	3-5/64 78	1/2 13	2-1/2 63.5	4-1/64 102	3-1/2 89	2-17/32 64	1-3/16 30	17/32 13.5	1-7/16 36.5	2.0118 51.1	0.7401 18.8	HC 207 207-20 207-21 207-22 207-23	ST 207	1.70	3.74
HCST 208 208-24 208-25	40 mm 1-1/2 1-9/16	1-7/64 28	3/4 19	1-15/16 49	5-21/32 144	3-1/2 89	5/8 16	3-1/4 82.5	4-1/2 114.3	4-1/64 102	3-9/32 83	1-3/8 35	11/16 17.5	1-15/16 49	2.2165 56.3	0.8425 21.4	HC 208 208-24 208-25	ST 208	2.50	5.50
HCST 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	1-7/64 28	3/4 19	1-15/16 49	5-21/32 144	3-7/16 87	5/8 16	3-1/4 82.5	4-39/64 117	4-1/64 102	3-9/32 83	1-3/8 35	11/16 17.5	1-15/16 49	2.2165 56.3	0.8425 21.4	HC 209 209-26 209-27 209-28	ST 209	2.50	5.50
HCST 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	1-7/64 28	3/4 19	1-15/16 49	5-7/8 149	3-35/64 90	5/8 16	3-3/8 85.7	4-39/64 117	4-1/64 102	3-9/32 83	1-3/8 35	11/16 17.5	1-15/16 49	2.4685 62.7	0.9685 24.6	HC 210 210-30 210-31 210-32	ST 210	2.60	5.72
HCST 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	1-3/8 35	1 25.4	2-1/2 63.5	6-23/32 171	4-11/64 106	3/4 19	3-3/4 95	5-3/4 146	5-1/8 130	4-1/32 102	1-5/8 41	1-1/16 27	2-1/2 63.5	2.8070 71.3	1.0944 27.8	HC 211 211-32 211-34 211-35	ST 211	4.00	8.80
HCST 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	1-3/8 35	1-1/4 32	2-1/2 63.5	7-5/8 194	4-11/16 119	3/4 19	4-1/32 102	5-3/4 146	5-1/8 130	4-1/32 102	1-13/16 46	1-1/16 27	2-1/2 63.5	3.0590 77.7	1.2204 31	HC 212 212-36 212-38 212-39	ST 212	4.90	10.78

# Cylindrical Cartridge Unit

Normal Duty



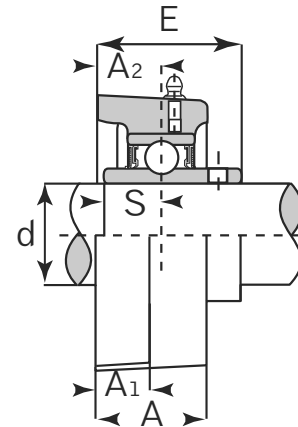
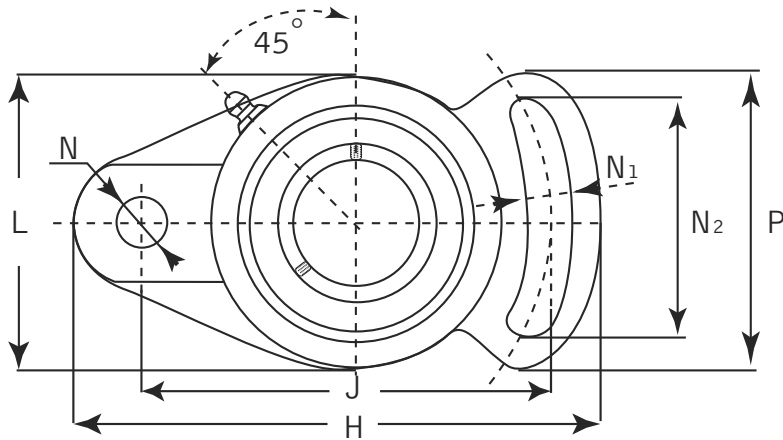
## UCC Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)				Bearing No.	Housing No.	Weight	
		d	L	A	S			B	kg
UCC 201 201-8 202 202-10 203 203-11	12 mm 1/2 15 mm 5/8 17 mm 1 1/16	2.8346 <b>72</b>	25/32 <b>20</b>	0.500 <b>12.7</b>	1.2205 <b>31.0</b>	UC 201 201-8 202 202-10 203 203-11	C 204	0.52 0.51 0.51 0.51 0.50 0.49	1.14 1.12 1.12 1.12 1.10 1.08
UCC 204 204-12	20 mm 3/4	2.8346 <b>72</b>	25/32 <b>20</b>	0.500 <b>12.7</b>	1.2205 <b>31.0</b>	UC 204 204-12	C 204	0.48 0.48	1.06 1.06
UCC 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3.1496 <b>80</b>	55/64 <b>22</b>	0.5629 <b>14.3</b>	1.3425 <b>34.1</b>	UC 205 205-14 205-15 205-16	C 205	0.63 0.66 0.64 0.63	1.39 1.45 1.41 1.39
UCC 206 206-17 206-18 206-19 206-20	30 mm 1-1/16 1-1/8 1-3/16 1-1/4	3.3465 <b>85</b>	1-1/16 <b>27</b>	0.6259 <b>15.9</b>	1.500 <b>38.1</b>	UC 206 206-17 206-18 206-19 206-20	C 206	0.80 0.83 0.82 0.80 0.79	1.76 1.83 1.80 1.76 1.74
UCC 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	3.5433 <b>90</b>	1-7/64 <b>28</b>	0.6889 <b>17.5</b>	1.6890 <b>42.9</b>	UC 207 207-20 207-21 207-22 207-23	C 207	0.93 0.99 0.96 0.93 0.90	2.05 2.18 2.11 2.05 1.98
UCC 208 208-24 208-25	40 mm 1-1/2 1-9/16	3.9370 <b>100</b>	1-3/16 <b>30</b>	0.7480 <b>19</b>	1.9370 <b>49.2</b>	UC 208 208-24 208-25	C 208	1.22 1.26 1.23	2.68 2.77 2.71



# Adjustable Flange Unit

## Normal Duty



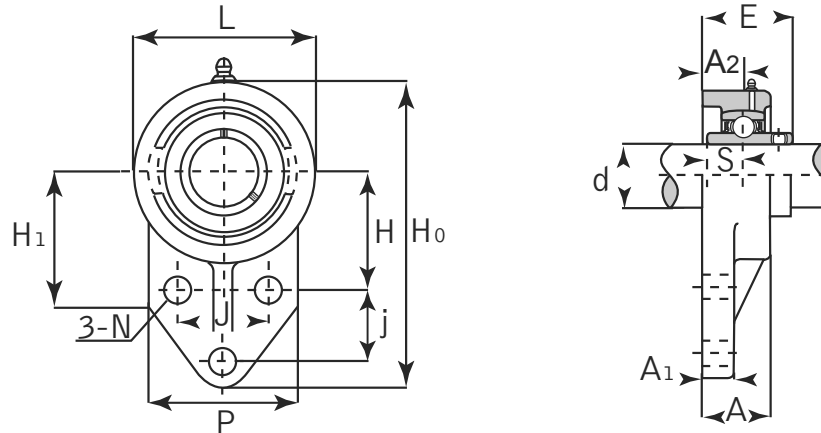
### UCFA Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)												Bolt Size	Bearing No.	Housing No.	Weight		
		d	H	J	L	P	A	A1	A2	N	N1	N2	E				S	kg	lbs
UCFA 201	12 mm															UC 201 201-8 202 202-10 203 203-11 204 204-12	FA 204	0.50	1.10
201-8	1/2														0.49			1.08	
202	15 mm														0.49			1.08	
202-10	5/8	3-27/32	3-5/64	2-3/8	1-31/32	1	15/32	19/32	25/64	25/64	1-9/16	1.3110	0.500		0.49			1.08	
203	17 mm	<b>98</b>	<b>78</b>	<b>60</b>	<b>50</b>	<b>25.4</b>	<b>12</b>	<b>15</b>	<b>10</b>	<b>10</b>	<b>40</b>	<b>33.3</b>	<b>12.7</b>	M 8	0.48			1.06	
203-11	11/16														0.46			1.01	
204	20 mm														0.46			1.01	
204-12	3/4																		
UCFA 205	25 mm														UC 205 205-14 205-15 205-16	FA 205	0.66	1.45	
205-14	7/8	4-7/8	3-55/64	2-3/4	2-9/16	1-1/16	35/64	5/8	33/64	33/64	1-59/64	1.4094	0.5629	3/8			0.69	1.52	
205-15	15/16	<b>124</b>	<b>98</b>	<b>70</b>	<b>65</b>	<b>27</b>	<b>14</b>	<b>16</b>	<b>13</b>	<b>13</b>	<b>49</b>	<b>35.8</b>	<b>14.3</b>	M 10			0.67	1.47	
205-16	1													0.66			1.45		
UCFA 206	30 mm														UC 206 206-18 206-19 206-20	FA 206	0.93	2.05	
206-18	1-1/8	5-9/16	4-17/32	3-9/32	2-27/32	1-7/32	35/64	45/64	33/64	33/64	2-13/64	1.5826	0.6259	3/8			0.95	2.09	
206-19	1-3/16	<b>141</b>	<b>115</b>	<b>83</b>	<b>72</b>	<b>31</b>	<b>14</b>	<b>18</b>	<b>13</b>	<b>13</b>	<b>56</b>	<b>40.2</b>	<b>15.9</b>	M 10			0.93	2.05	
206-20	1-1/4													0.92			2.02		
UCFA 207	35 mm														UC 207 207-20 207-21 207-22 207-23	FA 207	1.46	3.21	
207-20	1-1/4	6-3/32	5-3/64	3-25/32	3-7/32	1-11/32	5/8	3/4	19/32	19/32	2-9/16	1.7480	0.6889	7/16			1.52	3.34	
207-21	1-5/16	<b>155</b>	<b>128</b>	<b>96</b>	<b>82</b>	<b>34</b>	<b>16</b>	<b>19</b>	<b>15</b>	<b>15</b>	<b>65</b>	<b>44.4</b>	<b>17.5</b>	M 12			1.49	3.28	
207-22	1-3/8													1.46			3.21		
207-23	1-7/16													1.43			3.15		
UCFA 208	40 mm														UC 208 208-24 208-25	FA 208	1.78	3.92	
208-24	1-1/2	6-23/32	5-19/32	4-1/8	3-15/32	1-1/2	5/8	53/64	19/32	19/32	2-45/64	2.0157	0.7480	7/16			1.82	4.00	
208-25	1-9/16	<b>171</b>	<b>142</b>	<b>105</b>	<b>87</b>	<b>38</b>	<b>16</b>	<b>21</b>	<b>15</b>	<b>15</b>	<b>69</b>	<b>51.2</b>	<b>19</b>	M 12			1.79	3.94	
UCFA 209	45 mm														UC 209 209-26 209-27 209-28	FA 209	2.03	4.47	
209-26	1-5/8	7-1/16	5-3/4	4-3/8	3-17/32	1-37/64	45/64	55/64	43/64	43/64	2-3/4	2.0551	0.7480	1/2			2.13	4.69	
209-27	1-11/16	<b>179</b>	<b>146</b>	<b>111</b>	<b>90</b>	<b>40</b>	<b>18</b>	<b>22</b>	<b>17</b>	<b>17</b>	<b>70</b>	<b>52</b>	<b>19</b>	M 14			2.09	4.60	
209-28	1-3/4													2.05			4.51		
UCFA 210	50 mm														UC 210 210-30 210-31 210-32	FA 210	2.23	4.91	
210-30	1-7/8	7-7/16	6-7/64	4-9/16	3-1/16	1-37/64	45/64	55/64	43/64	43/64	2-61/64	2.1496	0.7480	1/2			2.30	5.06	
210-31	1-15/16	<b>189</b>	<b>155</b>	<b>116</b>	<b>94</b>	<b>40</b>	<b>18</b>	<b>22</b>	<b>17</b>	<b>17</b>	<b>75</b>	<b>54.6</b>	<b>19</b>	M 14			2.25	4.95	
210-32	2													2.21			4.86		



# Flange Bracket Unit

## Normal Duty



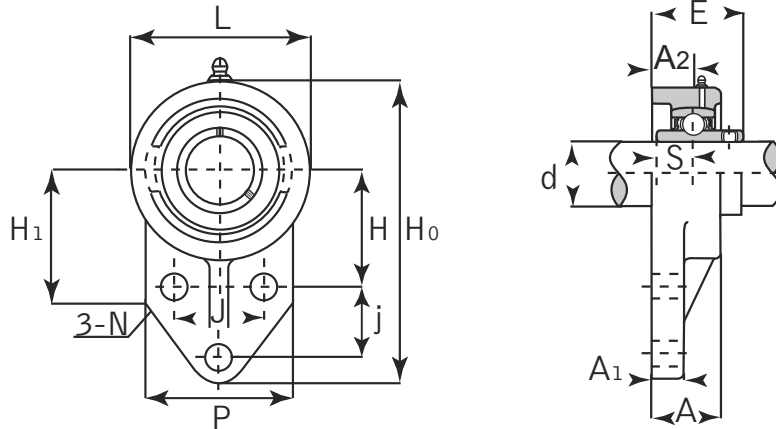
### UCFB Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)													Bolt Size	Bearing No.	Housing No.	Weight	
		d	H	H0	H1	L	P	J	j	A	A1	A2	N	E				S	kg
UCFB 201 201-8 202 202-10 203 203-11 204 204-12	12 mm 1/2 15 mm 5/8 17 mm 11/16 20 mm 3/4	1-21/32 <b>42</b>	4-1/4 <b>107.9</b>	2-1/16 <b>52</b>	2-1/2 <b>63.5</b>	2-3/8 <b>60.3</b>	1-1/2 <b>38.1</b>	7/8 <b>22.2</b>	1 <b>25.4</b>	5/16 <b>8.0</b>	5/8 <b>15.9</b>	13/32 <b>10</b>	1.3425 <b>34.1</b>	0.500 <b>12.7</b>	5/16 M 8	UC 201 201-8 202 202-10 203 203-11 204 204-12	FB 204	0.70	1.54
UCFB 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	1-49/64 <b>45</b>	4-3/4 <b>120.7</b>	2-1/16 <b>52</b>	2-3/4 <b>69.9</b>	2-1/2 <b>63.5</b>	1-5/8 <b>41.3</b>	1-1/8 <b>28.6</b>	1-1/8 <b>28.6</b>	3/8 <b>9.6</b>	21/32 <b>16.7</b>	13/32 <b>10</b>	1.4370 <b>36.5</b>	0.5629 <b>14.3</b>	5/16 M 8	UC 205 205-14 205-15 205-16	FB 205	0.80	1.76
UCFB 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	1-31/32 <b>50</b>	5-3/8 <b>136.5</b>	2-5/32 <b>55</b>	3-1/4 <b>82.6</b>	2-3/4 <b>69.9</b>	1-7/8 <b>47.6</b>	1-1/4 <b>31.8</b>	1-1/4 <b>31.8</b>	3/8 <b>9.6</b>	47/64 <b>18.7</b>	13/32 <b>10</b>	1.6102 <b>40.9</b>	0.6259 <b>15.9</b>	5/16 M 8	UC 206 206-18 206-19 206-20	FB 206	1.00	2.20
UCFB 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	2-3/8 <b>60.3</b>	6-1/8 <b>155.6</b>	2-7/16 <b>62</b>	3-3/4 <b>95.3</b>	3-1/4 <b>82.6</b>	2 <b>50.8</b>	1-1/4 <b>31.8</b>	1-7/16 <b>36.5</b>	1/2 <b>12.7</b>	13/16 <b>21</b>	33/64 <b>13.1</b>	1.8267 <b>46.4</b>	0.6889 <b>17.5</b>	3/8 M 10	UC 207 207-20 207-21 207-22 207-23	FB 207	1.30	2.86
UCFB 208 208-24 208-25	40 mm 1-1/2 1-9/16	2-33/64 <b>60</b>	6-15/32 <b>164.3</b>	2-27/32 <b>72</b>	3-31/32 <b>100.9</b>	3-1/16 <b>77.8</b>	1-31/32 <b>50</b>	1-5/8 <b>41.3</b>	1-13/32 <b>35.7</b>	5/8 <b>15.9</b>	13/16 <b>21</b>	33/64 <b>13.1</b>	2.0157 <b>51.2</b>	0.7480 <b>19</b>	3/8 M 10	UC 208 208-24 208-25	FB 208	1.40	3.08
UCFB 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	2-9/16 <b>65</b>	6-27/32 <b>173.9</b>	3 <b>76</b>	4-7/32 <b>107.4</b>	3-5/32 <b>80.2</b>	2-1/8 <b>53.9</b>	1-11/16 <b>42.9</b>	1-1/2 <b>38.1</b>	23/32 <b>18.3</b>	55/64 <b>21.8</b>	33/64 <b>13.1</b>	2.0157 <b>51.2</b>	0.7480 <b>19</b>	3/8 M 10	UC 209 209-26 209-27 209-28	FB 209	2.20	4.84
UCFB 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	2-15/16 <b>74.6</b>	7-1/2 <b>190.5</b>	3-7/32 <b>82</b>	4-5/8 <b>117.5</b>	4 <b>101.6</b>	2-3/4 <b>69.9</b>	1-5/8 <b>41.3</b>	1-1/2 <b>38.1</b>	23/32 <b>12.7</b>	55/64 <b>21.8</b>	33/64 <b>13.1</b>	2.1102 <b>53.6</b>	0.7480 <b>19</b>	3/8 M 10	UC 210 210-30 210-31 210-32	FB 210	2.50	5.50



# Flange Bracket Unit

## Normal Duty

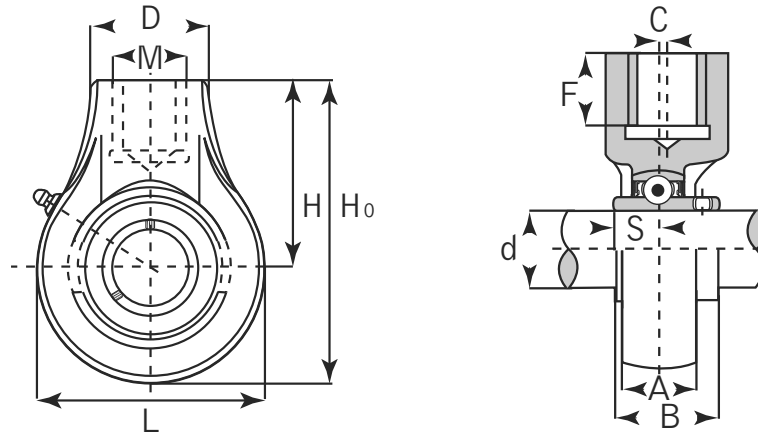


## UCFK Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)													Bolt Size	Bearing No.	Housing No.	Weight	
		d	H	H0	H1	L	P	J	j	A	A1	A2	N	E				S	kg
UCFK 201 201-8 202 202-10 203 203-11 204 204-12	12 mm 1/2 15 mm 5/8 17 mm 11/16 20 mm 3/4	1-21/32 <b>42</b>	4-11/32 <b>110</b>	2-1/16 <b>52</b>	2-7/16 <b>62</b>	2-1/16 <b>52</b>	1-1/4 <b>32</b>	1-1/16 <b>27</b>	1 <b>25.4</b>	1/2 <b>13</b>	19/32 <b>15</b>	13/32 <b>10</b>	1.2204 <b>31</b>	0.500 <b>12.7</b>	5/16 M 8	UC 201 201-8 202 202-10 203 203-11 204 204-12	FK 204	0.60	1.32
UCFK 205 205-14 205-15 205-16	25 mm 7/8 15/16 1	1-25/32 <b>45</b>	4-9/16 <b>116</b>	2-1/16 <b>52</b>	2-11/16 <b>68</b>	2-7/32 <b>56</b>	1-11/32 <b>34</b>	1-1/16 <b>27</b>	1-1/16 <b>27</b>	1/2 <b>13</b>	5/8 <b>16</b>	13/32 <b>10</b>	1.3385 <b>34</b>	0.5629 <b>14.3</b>	5/16 M 8	UC 205 205-14 205-15 205-16	FK 205	0.66	1.45
UCFK 206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	1-31/32 <b>50</b>	5-1/8 <b>130</b>	2-5/32 <b>55</b>	3-1/16 <b>78</b>	2-9/16 <b>65</b>	1-9/16 <b>40</b>	1-3/16 <b>29</b>	1-1/4 <b>31</b>	1/2 <b>13</b>	23/32 <b>18</b>	13/32 <b>10</b>	1.500 <b>38.1</b>	0.6259 <b>15.9</b>	5/16 M 8	UC 206 206-18 206-19 206-20	FK 206	0.93	2.05
UCFK 207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	2-11/64 <b>55</b>	5-11/16 <b>144</b>	2-7/16 <b>62</b>	3-17/32 <b>90</b>	2-3/4 <b>70</b>	1-13/16 <b>46</b>	1-1/4 <b>32</b>	1-11/32 <b>34</b>	19/32 <b>15</b>	3/4 <b>19</b>	13/32 <b>10</b>	1.6889 <b>42.9</b>	0.6889 <b>17.5</b>	5/16 M 8	UC 207 207-20 207-21 207-22 207-23	FK 207	1.3	2.86
UCFK 208 208-24 208-25	40 mm 1-1/2 1-9/16	2-3/8 <b>60</b>	6-7/16 <b>164</b>	2-27/32 <b>72</b>	3-15/16 <b>100</b>	3-1/16 <b>78</b>	1-31/32 <b>50</b>	1-5/8 <b>41</b>	1-13/32 <b>36</b>	5/8 <b>16</b>	13/16 <b>21</b>	15/32 <b>12</b>	1.9370 <b>49.2</b>	0.7480 <b>19</b>	3/8 M 10	UC 208 208-24 208-25	FK 208	1.7	3.74
UCFK 209 209-26 209-27 209-28	45 mm 1-5/8 1-11/16 1-3/4	2-9/16 <b>65</b>	6-27/32 <b>174</b>	3 <b>76</b>	4-3/16 <b>106</b>	3-5/32 <b>80</b>	2-1/8 <b>54</b>	1-11/16 <b>43</b>	1-1/2 <b>38</b>	23/32 <b>18</b>	7/8 <b>22</b>	15/32 <b>12</b>	1.9370 <b>49.2</b>	0.7480 <b>19</b>	3/8 M 10	UC 209 209-26 209-27 209-28	FK 209	1.9	4.18
UCFK 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	2-11/16 <b>68</b>	7-1/4 <b>184</b>	3-7/32 <b>82</b>	4-13/32 <b>112</b>	3-3/8 <b>86</b>	2-9/32 <b>58</b>	1-13/16 <b>46</b>	1-9/16 <b>40</b>	23/32 <b>18</b>	7/8 <b>22</b>	15/32 <b>12</b>	2.0314 <b>51.6</b>	0.7480 <b>19</b>	3/8 M 10	UC 210 210-30 210-31 210-32	FK 210	2.2	4.84

# Hanger Unit

## Normal Duty



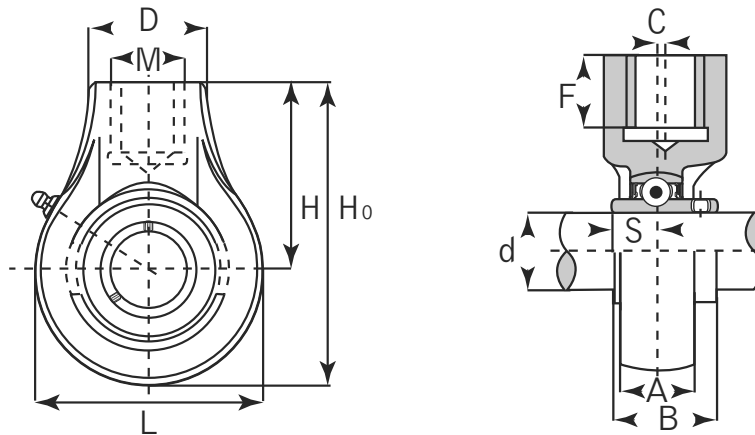
### UCHA Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Bearing No.	Housing No.	Weight		
		d	H	H0	L	C	A	M	D	F	B			S	kg	lbs
UCHA 201 201-8 202 202-10 203 203-11 204 204-12	12 mm												UC 201 201-8 202 202-10 203 203-11 204 204-12	HA 204	0.73	1.61
	1/2														0.72	1.58
	15 mm														0.72	1.58
	5/8	2-33/64	3-25/32	2-33/64	0	13/16	G-3/4	1-37/64	3/4	1.2204	0.500				0.72	1.58
	17 mm	<b>64</b>	<b>96</b>	<b>64</b>	0	<b>21</b>		<b>40</b>	<b>19</b>	<b>31</b>	<b>12.7</b>				0.72	1.58
	11/16														0.71	1.56
	20 mm														0.69	1.52
	3/4														0.69	1.52
UCHA 205 205-14 205-15 205-16	25 mm											UC 205 205-14 205-15 205-16	HA 205	0.83	1.83	
	7/8	2-33/64	4-1/16	3-1/16	0	15/16	G-3/4	1-37/64	3/4	1.3425	0.5629				0.86	1.89
	15/16	<b>64</b>	<b>103</b>	<b>78</b>	0	<b>24</b>		<b>40</b>	<b>19</b>	<b>34.1</b>	<b>14.3</b>				0.84	1.85
	1														0.83	1.83
UCHA 206 206-18 206-19 206-20	30 mm											UC 206 206-18 206-19 206-20	HA 206	0.83	1.83	
	1-1/8	2-33/64	4-1/16	3-1/16	0	1-7/64	G-3/4	1-37/64	3/4	1.500	0.6259				0.85	1.87
	1-3/16	<b>64</b>	<b>103</b>	<b>78</b>	0	<b>28</b>		<b>40</b>	<b>19</b>	<b>38.1</b>	<b>15.9</b>				0.83	1.83
	1-1/4														0.82	1.80
UCHA 207 207-20 207-21 207-22 207-23	35 mm											UC 207 207-20 207-21 207-22 207-23	HA 207	1.16	2.55	
	1-1/4	2-3/4	4-9/16	3-5/8	0	1-3/16	G-3/4	1-37/64	3/4	1.6889	0.6889				1.22	2.68
	1-5/16	<b>70</b>	<b>116</b>	<b>92</b>	0	<b>30</b>		<b>40</b>	<b>19</b>	<b>42.9</b>	<b>17.5</b>				1.19	2.62
	1-3/8														1.16	2.55
	1-7/16														1.13	2.49
UCHA 208 208-24 208-25	40 mm											UC 208 208-24 208-25	HA 208	1.32	2.90	
	1-1/2	2-7/8	4-3/4	3-25/32	5/64	1-5/16	G-3/4	1-37/64	3/4	1.9370	0.7480				1.36	2.99
	1-9/16	<b>73</b>	<b>121</b>	<b>96</b>	<b>2</b>	<b>33</b>		<b>40</b>	<b>19</b>	<b>49.2</b>	<b>19</b>				1.33	2.93
UCHA 209 209-26 209-27 209-28	45 mm											UC 209 209-26 209-27 209-28	HA 209	1.92	4.22	
	1-5/8	3-15/64	5-11/32	4-1/4	13/64	1-3/8	G-1	1-57/64	53/64	1.9370	0.7480				2.02	4.44
	1-11/16	<b>82</b>	<b>136</b>	<b>108</b>	<b>5</b>	<b>35</b>		<b>48</b>	<b>21</b>	<b>49.2</b>	<b>19</b>				1.98	4.36
	1-3/4														1.94	4.27



# Hanger Unit

## Normal Duty

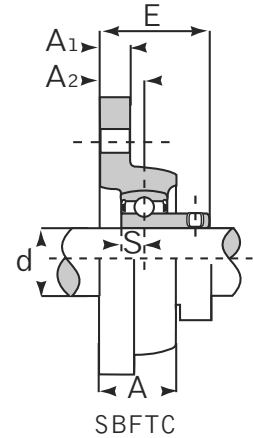
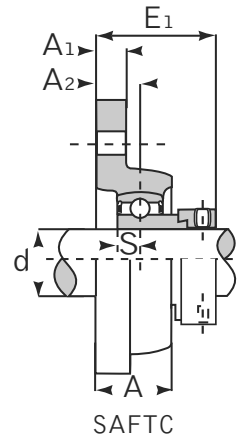
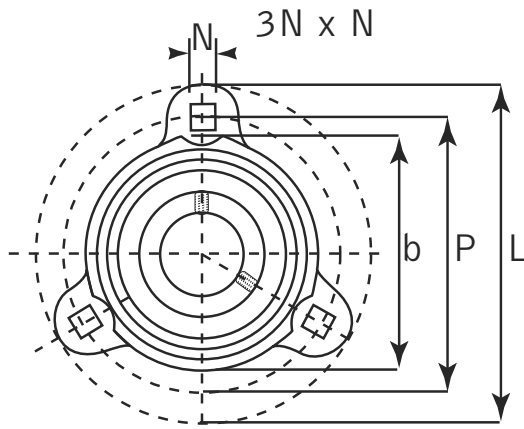


### UCHA Set Screw Locking

Unit No.	Shaft Dia. (inch / mm)	Dimensions (inch / mm)										Bearing No.	Housing No.	Weight	
		d	H	H0	L	C	A	M	D	F	B			S	kg
UCHA 210 210-30 210-31 210-32	50 mm 1-7/8 1-15/16 2	3-17/64 <b>83</b>	5-19/32 <b>142</b>	4-21/32 <b>118</b>	13/64 <b>5</b>	1-29/64 <b>37</b>	G-1	1-57/64 <b>48</b>	53/64 <b>21</b>	2.0314 <b>51.6</b>	0.7480 <b>19</b>	UC 210 210-30 210-31 210-32	HA 210	1.90 1.97 1.92 1.88	4.18 4.33 4.22 4.14
UCHA 211 211-32 211-34 211-35	55 mm 2 2-1/8 2-3/16	3-27/64 <b>87</b>	5-29/32 <b>150</b>	4-31/32 <b>126</b>	9/32 <b>7</b>	1-1/2 <b>38</b>	G-1-1/4	2-23/64 <b>60</b>	63/64 <b>25</b>	2.1889 <b>55.6</b>	0.8740 <b>22.2</b>	UC 211 211-32 211-34 211-35	HA 211	2.16 2.76 2.65 2.59	4.75 6.07 5.83 5.70
UCHA 212 212-36 212-38 212-39	60 mm 2-1/4 2-3/8 2-7/16	4-1/64 <b>102</b>	6-13/16 <b>173</b>	5-19/32 <b>142</b>	23/64 <b>9</b>	1-21/32 <b>42</b>	G-1-1/4	2-23/64 <b>60</b>	1-7/64 <b>28</b>	2.5629 <b>65.1</b>	1.000 <b>25.4</b>	UC 212 212-36 212-38 212-39	HA 212	3.54 3.67 3.52 3.45	7.79 8.07 7.74 7.59
UCHA 213 213-40	65 mm 2-1/2	4-39/64 <b>117</b>	7-7/8 <b>200</b>	6-17/32 <b>166</b>	3/8 <b>9.5</b>	1-47/64 <b>44</b>	G-1-1/2	2-3/4 <b>70</b>	1-17/64 <b>32</b>	2.5629 <b>65.1</b>	1.000 <b>25.4</b>	UC 213 213-40	HA 213	5.80 5.89	12.76 12.96
UCHA 214 214-43 214-44	70 mm 2-11/16 2-3/4	4-39/64 <b>117</b>	7-7/8 <b>200</b>	6-17/32 <b>166</b>	3/8 <b>9.5</b>	1-47/64 <b>44</b>	G-1-1/2	2-3/4 <b>70</b>	1-17/64 <b>32</b>	2.9370 <b>74.6</b>	1.1889 <b>30.2</b>	UC 214 214-43 214-44	HA 214	5.64	12.41
UCHA 215 215-47 215-48	75 mm 2-15/16 3	4-39/64 <b>117</b>	7-7/8 <b>200</b>	6-17/32 <b>166</b>	3/8 <b>9.5</b>	1-47/64 <b>44</b>	G-1-1/2	2-3/4 <b>70</b>	1-17/64 <b>32</b>	3.0629 <b>77.8</b>	1.3110 <b>33.3</b>	UC 215 215-47 215-48	HA 215	5.58	12.28

# Malleable Ductile Flange Unit

Light Duty



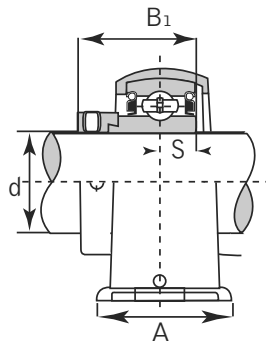
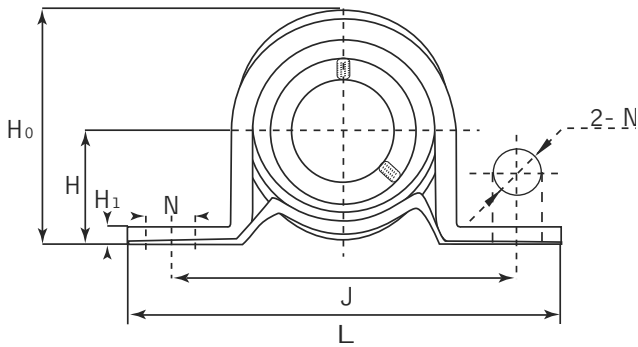
## SAFCT Eccentric Locking Collar SBFCT Set Screw Locking

Unit No. SAFCT SBFCT	Shaft Dia. (inch / mm)	Dimensions (inch / mm)							SAFCT		SBFCT		Bearing No. SA / SB	Housing No.	Weight	
		d	L	P	A	A1	A2	N	b	E1	S	E			S	kg
201 201-8 202 202-10 203 203-11	12 mm 1/2 15 mm 5/8 17 mm 11/16	3-3/16 <b>80.9</b>	2-1/2 <b>63.5</b>	45/64 <b>18</b>	13/32 <b>10.3</b>	3/8 <b>9.7</b>	9/32 <b>7.1</b>	2-3/32 <b>53.2</b>	1.2913 <b>32.8</b>	0.2559 <b>6.5</b>	1.0511 <b>26.7</b>	0.2362 <b>6</b>	201 201-8 202 202-10 203 203-11	FCT 203	0.26	0.57
204 204-12	20 mm 3/4	3-9/16 <b>90.5</b>	2-13/16 <b>71.4</b>	25/32 <b>20</b>	7/16 <b>11.1</b>	7/16 <b>11.1</b>	11/32 <b>8.7</b>	2-13/16 <b>55.9</b>	1.3582 <b>34.5</b>	0.2952 <b>7.5</b>	1.1456 <b>29</b>	0.2755 <b>7</b>	204 204-12	FCT 204	0.37	0.81
205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3-3/4 <b>95.3</b>	3 <b>76.2</b>	25/32 <b>20</b>	1/2 <b>12.7</b>	7/16 <b>11.1</b>	11/32 <b>8.7</b>	2-13/16 <b>71.4</b>	1.3267 <b>33.7</b>	0.2952 <b>7.5</b>	1.1732 <b>29.8</b>	0.2952 <b>7.5</b>	205 205-14 205-15 205-16	FCT 205	0.48	1.06
206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	4-9/16 <b>115.9</b>	3-9/16 <b>90.5</b>	29/32 <b>23</b>	19/32 <b>15.1</b>	7/16 <b>11.1</b>	13/32 <b>10.3</b>	3 <b>76.2</b>	1.5236 <b>38.7</b>	0.3543 <b>9</b>	1.3385 <b>34</b>	0.3149 <b>8</b>	206 206-18 206-19 206-20	FCT 206	0.70	1.54
207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	4-13/16 <b>122.2</b>	3-15/16 <b>100</b>	61/64 <b>24</b>	19/32 <b>15.1</b>	1/2 <b>12.7</b>	13/32 <b>10.3</b>	3-15/32 <b>88.1</b>	1.6574 <b>42.1</b>	0.3740 <b>9.5</b>	1.4251 <b>36.2</b>	0.3346 <b>8.5</b>	207 207-20 207-21 207-22 207-23	FCT 207	0.91	2.00

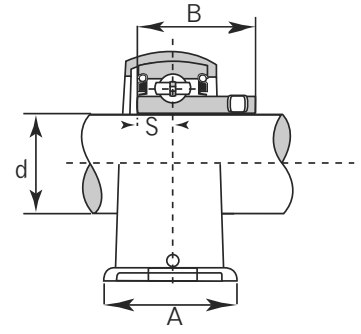


# Pressed Steel Unit

Light Duty



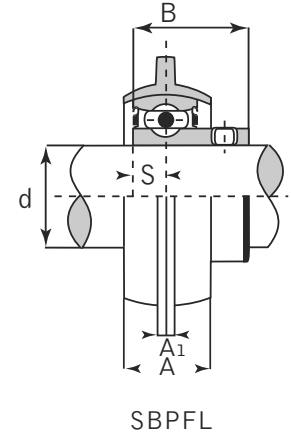
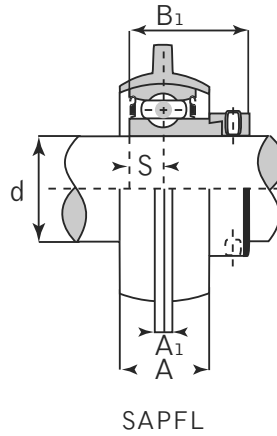
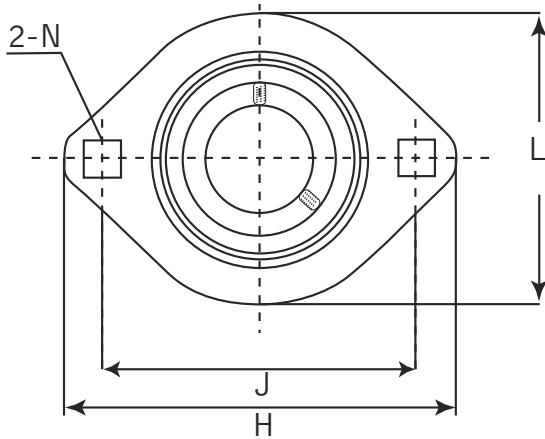
SAPP



SBPP

## SAPP Eccentric Locking Collar SBPP Set Screw Locking

Unit No. SAPP SBPP	Shaft Dia. (inch / mm)	Dimensions (inch / mm)								Bolt Size	SAPP		SBPP		Bearing No. SA / SB	Housing No.	Weight	
		d	H	L	J	A	N	H1	H0		B1	S	B	S			kg	lbs
201 201-8 202 202-10 203 203-11	12 mm 1/2 15 mm 5/8 17 mm 1 1/16	7/8 <b>22.2</b>	3-3/8 <b>86</b>	2-43/64 <b>68</b>	63/64 <b>25</b>	3/8 <b>9.5</b>	1/8 <b>3.2</b>	1-23/32 <b>43.8</b>	5/16 M8	1.1259 <b>28.6</b>	0.2559 <b>6.5</b>	0.8661 <b>22</b>	0.2362 <b>6</b>	201 201-8 202 202-10 203 203-11	PP 203	0.19	0.42	
204 204-12	20 mm 3/4	1 <b>25.4</b>	3-27/32 <b>98</b>	2-63/64 <b>76</b>	1-1/4 <b>32</b>	3/8 <b>9.5</b>	1/8 <b>3.2</b>	1-63/64 <b>50.5</b>	5/16 M8	1.2204 <b>31</b>	0.2952 <b>7.5</b>	0.9842 <b>25</b>	0.2755 <b>7</b>	204 204-12	PP 204	0.23	0.51	
205 205-14 205-15 205-16	25 mm 7/8 15/16 1	1-1/8 <b>28.6</b>	4-1/4 <b>108</b>	3-25/64 <b>86</b>	1-1/4 <b>32</b>	29/64 <b>11.5</b>	5/32 <b>4</b>	2-15/64 <b>56.6</b>	5/16 M8	1.2204 <b>31</b>	0.2952 <b>7.5</b>	1.0629 <b>27</b>	0.2952 <b>7.5</b>	205 205-14 205-15 205-16	PP 205	0.32	0.71	
206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	1-5/16 <b>33.3</b>	4-39/64 <b>117</b>	3-47/64 <b>95</b>	1-1/2 <b>38</b>	29/64 <b>11.5</b>	5/32 <b>4</b>	2-39/64 <b>66.3</b>	5/16 M8	1.4055 <b>35.7</b>	0.3543 <b>9</b>	1.1811 <b>30</b>	0.3149 <b>8</b>	206 206-18 206-19 206-20	PP 206	0.50	1.10	
207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	1-9/16 <b>39.7</b>	5-5/64 <b>129</b>	4-5/32 <b>106</b>	1-21/32 <b>42</b>	29/64 <b>11.5</b>	3/16 <b>4.6</b>	3-1/8 <b>78</b>	5/16 M8	1.5314 <b>38.9</b>	0.3740 <b>9.5</b>	1.2598 <b>32</b>	0.3346 <b>8.5</b>	207 207-20 207-21 207-22 207-23	PP 207	0.71	1.56	



## SAPFL Eccentric Locking Collar

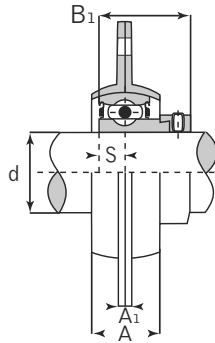
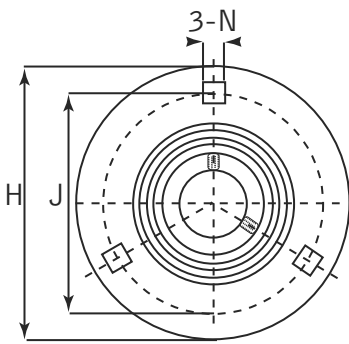
## SBPFL Set Screw Locking

Unit No. SAPFL SBPFL	Shaft Dia. (inch / mm)	Dimensions (inch / mm)						SAPFL		SBPFL		Bearing No. SA / SB	Housing No.	Weight	
		d	H	J	L	A	A1	N	B1	S	B			S	kg
201 201-8 202 202-10 203 203-11	12 mm 1/2 15 mm 5/8 17 mm 11/16	3-3/16 <b>81</b>	2-1/2 <b>63.5</b>	2-5/16 <b>59</b>	9/16 <b>14</b>	5/32 <b>4</b>	17/64 <b>7.1</b>	1.1259 <b>28.6</b>	0.2559 <b>6.5</b>	0.8661 <b>22</b>	0.2362 <b>6</b>	201 201-8 202 202-10 203 203-11	PFL 203	0.22	0.48
204 204-12	20 mm 3/4	3-17/32 <b>90</b>	2-13/16 <b>71.5</b>	2-5/8 <b>67</b>	5/8 <b>16</b>	5/32 <b>4</b>	23/64 <b>9</b>	1.2204 <b>31</b>	0.2952 <b>7.5</b>	0.9842 <b>25</b>	0.2755 <b>7</b>	204 204-12	PFL 204	0.23	0.50
205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3-3/4 <b>95</b>	2-63/64 <b>76</b>	2-25/32 <b>71</b>	23/32 <b>18</b>	5/32 <b>4</b>	23/64 <b>9</b>	1.2204 <b>31</b>	0.2952 <b>7.5</b>	1.0629 <b>27</b>	0.2952 <b>7.5</b>	205 205-14 205-15 205-16	PFL 205	0.32	0.70
206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	4-7/16 <b>113</b>	3-9/16 <b>90.5</b>	3-5/16 <b>84</b>	23/32 <b>18</b>	13/64 <b>5.2</b>	7/16 <b>11</b>	1.4055 <b>35.7</b>	0.3543 <b>9</b>	1.1811 <b>30</b>	0.3149 <b>8</b>	206 206-18 206-19 206-20	PFL 206	0.41	0.90
207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	4-13/16 <b>122</b>	3-15/16 <b>100</b>	3-11/16 <b>94</b>	25/32 <b>20</b>	13/64 <b>5.2</b>	7/16 <b>11</b>	1.5314 <b>38.9</b>	0.3740 <b>9.5</b>	1.2598 <b>32</b>	0.3346 <b>8.5</b>	207 207-20 207-21 207-22 207-23	PFL 207	0.69	1.52
208 208-24 208-25	40 mm 1-1/2 1-9/16	5-13/16 <b>148</b>	4-11/16 <b>119</b>	3-15/16 <b>100</b>	13/16 <b>21</b>	17/64 <b>6.8</b>	17/32 <b>13.5</b>	1.7204 <b>43.7</b>	0.4330 <b>11</b>	1.3385 <b>34</b>	0.3543 <b>9</b>	208 208-24 208-25	PFL 208	0.83	1.83

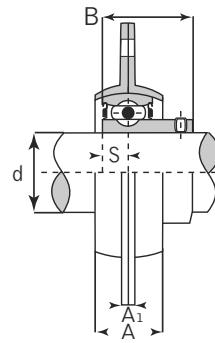


# Pressed Steel Unit

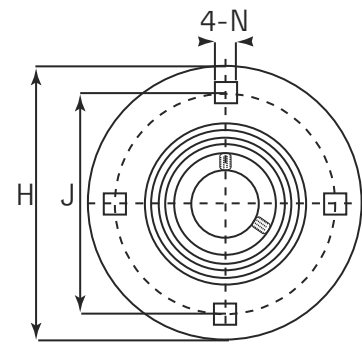
## Light Duty



SAPF



SBPF



\*PF208


## SAPF Eccentric Locking Collar

## SBPF Set Screw Locking

Unit No. SAPF SBPF	Shaft Dia. (inch / mm)	Dimensions (inch / mm)					SAPF		SBPF		Bearing No. SA / SB	Housing No.	Weight	
		d	H	J	A	A1	N	B1	S	B			S	kg
201 201-8	12 mm 1/2	3-3/16 <b>81</b>	2-1/2 <b>63.5</b>	9/16 <b>14</b>	5/32 <b>4</b>	9/32 <b>7.1</b>	1.1259 <b>28.6</b>	0.2559 <b>6.5</b>	0.8661 <b>22</b>	0.2362 <b>6</b>	201 201-8 202 202-10 203 203-11	PF 203	0.22	0.48
202 202-10	15 mm 5/8													
203 203-11	17 mm 11/16													
204 204-12	20 mm 3/4	3-35/64 <b>90</b>	2-13/16 <b>71.5</b>	5/8 <b>16</b>	5/32 <b>4</b>	23/64 <b>9</b>	1.2204 <b>31</b>	0.2952 <b>7.5</b>	0.9842 <b>25</b>	0.2755 <b>7</b>	204 204-12	PF 204	0.33	0.73
205 205-14 205-15 205-16	25 mm 7/8 15/16 1	3-3/4 <b>95</b>	2-63/64 <b>76</b>	23/32 <b>18</b>	5/32 <b>4</b>	23/64 <b>9</b>	1.2204 <b>31</b>	0.2952 <b>7.5</b>	1.0826 <b>27</b>	0.2952 <b>7.5</b>	205 205-14 205-15 205-16	PF 205	0.38	0.84
206 206-18 206-19 206-20	30 mm 1-1/8 1-3/16 1-1/4	4-7/16 <b>113</b>	3-9/16 <b>90.5</b>	23/32 <b>18</b>	13/64 <b>5.2</b>	7/16 <b>11</b>	1.4055 <b>35.7</b>	0.3543 <b>9</b>	1.1811 <b>30</b>	0.3149 <b>8</b>	206 206-18 206-19 206-20	PF 206	0.62	1.36
207 207-20 207-21 207-22 207-23	35 mm 1-1/4 1-5/16 1-3/8 1-7/16	4-13/16 <b>122</b>	3-15/16 <b>100</b>	25/32 <b>20</b>	13/64 <b>5.2</b>	7/16 <b>11</b>	1.5314 <b>38.9</b>	0.3740 <b>9.5</b>	1.2598 <b>32</b>	0.3346 <b>8.5</b>	207 207-20 207-21 207-22 207-23	PF 207	0.82	1.80
*208 *208-24 *208-25	40 mm 1-1/2 1-9/16	5-13/16 <b>148</b>	4-11/16 <b>119</b>	13/16 <b>21</b>	17/64 <b>6.8</b>	17/32 <b>13.5</b>	1.7204 <b>43.7</b>	0.4330 <b>11</b>	1.3385 <b>34</b>	0.3543 <b>9</b>	208 208-24 208-25	PF 208*	1.10	2.42

\* PF 208 (four holes flange)

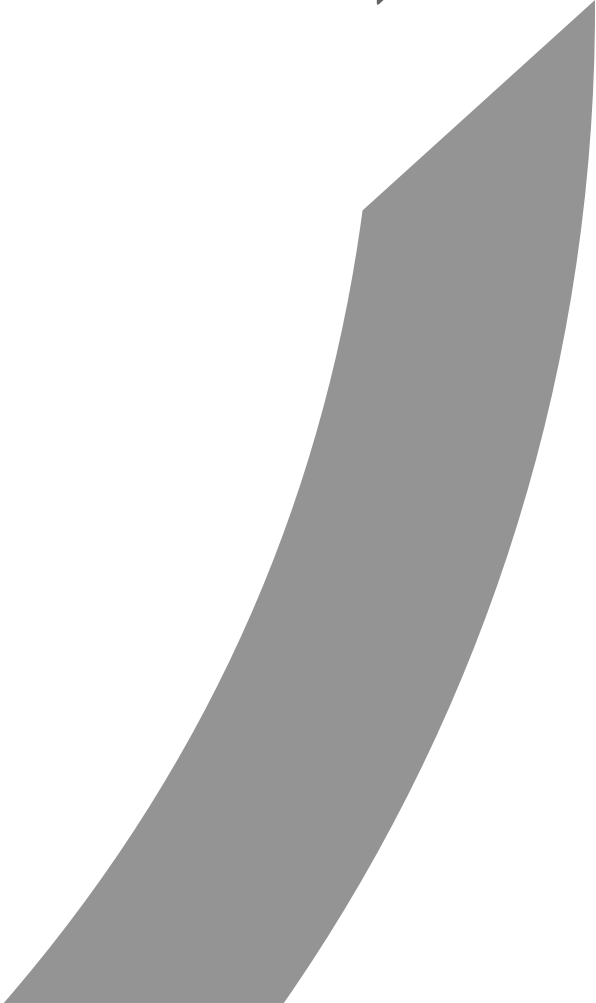
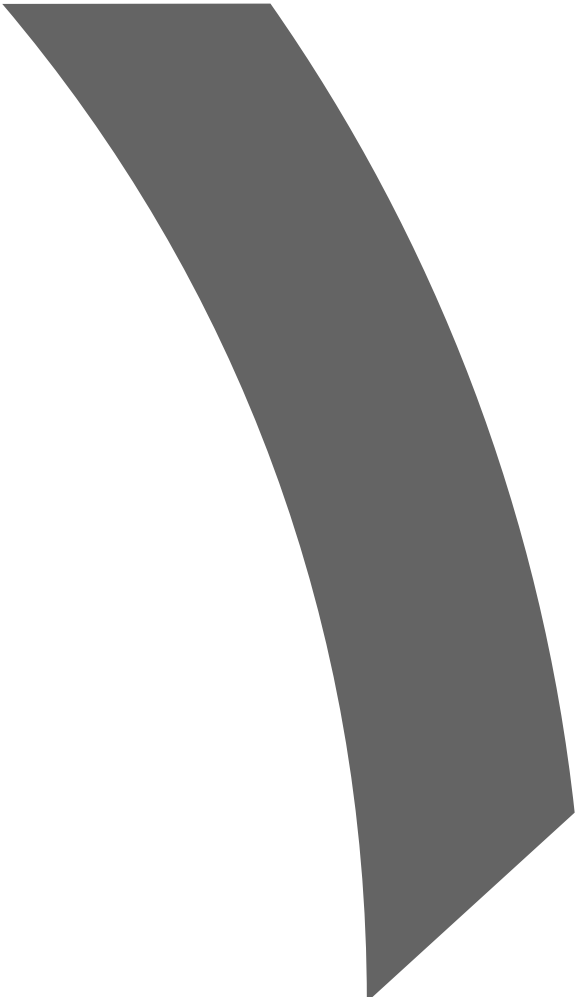




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# Radial Internal Clearance

## Bearing Inserts



The radial internal clearance is per JIS B1520, equivalent to ISO 5753 for radial ball bearings. GRB stocks normal clearance for cylindrical bore bearings, and C3 clearance for tapered bore bearings because of the expansion force which results from the tightening of the adaptor. Clearances higher than C3 are used in high temperature applications. C2 clearance is sometimes required in fan applications to reduce vibrations. Bearings with these clearances are available upon request.

### Cylindrical Bore Bearings - Unit = $\mu\text{m}$

Bore Diameter d (mm)		Clearance Symbols							
		C2		Normal		C3		C4	
over	incl.	min.	max.	min.	max.	min.	max.	min.	max.
10	18	0	9	3	18	11	25	18	33
18	24	0	10	5	20	13	28	20	36
24	30	1	11	5	20	13	28	23	41
30	40	1	11	6	20	15	33	28	46
40	50	1	11	6	23	18	36	30	51
50	65	1	15	8	28	23	43	38	61
65	80	1	15	10	30	25	51	46	71
80	100	1	18	12	36	30	58	53	84
100	120	2	20	15	41	36	66	61	97
120	140	2	23	18	48	41	81	71	114

### Tapered Bore Bearings - Unit = $\mu\text{m}$

Bore Diameter d (mm)		Clearance Symbols							
		C2		Normal		C3		C4	
over	incl.	min.	max.	min.	max.	min.	max.	min.	max.
24	30	5	20	13	28	23	41	30	53
30	40	6	20	15	33	28	46	40	64
40	50	6	23	18	36	30	51	45	73
50	65	8	28	23	43	38	61	55	90
65	80	10	30	25	51	46	71	65	105
80	100	12	36	30	58	53	84	75	120
100	120	15	41	36	66	61	97	90	140
120	140	18	48	41	81	71	114	105	160



# Material of Ball Bearing Inserts

The material of the races and balls have the following qualities:

1. Large fatigue strength against repeated stress due to fatigue fracture of the race surface which governs the life of the bearing.
2. High limit of elasticity and high yield strength to prevent deformation when a large load is applied per unit area.
3. Large abrasion resistance against sliding friction between the retainer and the ball.
4. High strength against cracking due to impact load.
5. Small secular change in dimension and shape due to change structure of internal stress. GCr15 steel <JIS G4805> (High carbon chromium bearing steel) satisfies the above comparatively well, and its chemical composition is shown in the following table.

## Chemical Composition of High Carbon Chromium Bearing Steel

Class	JIS Symbol	Chemical Composition (%)					
		C	Si	Mn	P	S	Cr
2	SUJ 2	.95 - 1.10	.15 - .35	Under .50	Under .25	Under .25	1.30 - 1.60
		Equivalent to AISI 52100					
		.98 - 1.10	0.23	0.35	0.025	0.025	1.45

## Material of the Cage and the Rivet

The material of the cage is JIS G3141 (Cold rolled carbon steel sheet and strip) and is press formed.

The material of the rivet is JIS G3507 (Low carbon steel wire rods) SWRCH 12A.



The material of housings is HT200 JIS G5501 (Gray iron casting) and the mechanical properties are shown in the following table.

## Mechanical Properties of Gray Cast Iron HT200

Symbol	Thickness	Dia. of Testing Bar	Tension test	Traverse Breacking Test		Pressure Strength	Hardness Streghth
			Tensile Strength	Bender Strength	Deflection		Hardness (HB)
HT200 (CF200)	6 - 8	13	over 32	53	1.8	75	187-255
	.236 - .315	.512	over 45 515	75 383	.071	106 675	
	8 - 15	20	over 25	45	2.5	75	170-241
	.315 - .591	.787	over 35 559	64 005	.098	106 675	
	15 - 30	30	over 20	40	2.5	75	170-241
	.591 - 1.181	1.181	over 28 446	56 893	.098	106 675	
	30 - 50	45	over 18	34	3	75	170-241
	1.181 - 1.969	1.772	over 25 602	48 359	.118	106 675	
	over 50	60	over 16	31	4.5	75	163-229
over 1.969	2.362	over 22 757	44 092	.177	106 675		

## Material of Other Components

Components	Material Used	JIS Symbols	JIS Number
Sleeve for adapter	Carbon steel for machine structural use	S25C	JIS G 1051
Nut for adapter	Carbon steel for machine structural use	S25C	JIS G 4051
Washer for adapter	Cold rolled carbon steel sheet and strip	SPCC	JIS G 3141
Oil seal	Synthetic nitrile rubber	-	-
Slinger	Cold rolled carbon steel sheet and strip	SPCC	JIS G 3141
Hexagon set screw	Nickel chromium molybdenum steel	SCM 435	JIS G 4105
Hexagon wrench key	Nickel chromium molybdenum steel	SNCM 630	JIS G 4103
Grease nipple	Free cutting brass bar	C3604	GIS H 3250



# Tolerance of Bearings

## Accuracies

The dimensional accuracies of GRB follow the tolerances prescribed in JIS B1558, equivalent to ISO 9628-1992.

## Dimensional Accuracies of Bearings

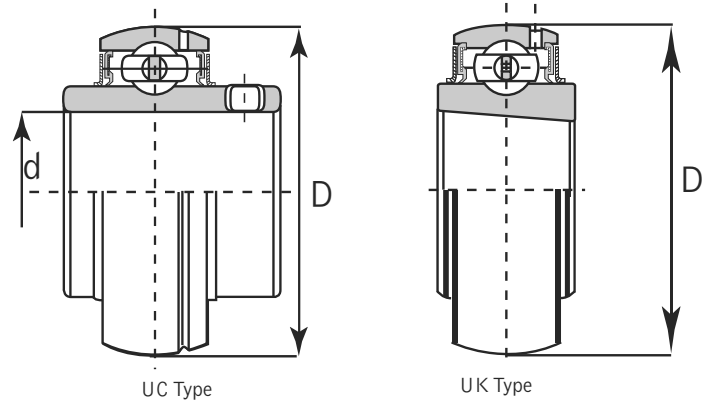
### Accuracies of Outer Ring - Unit = $\mu\text{m}$

D (mm)		$\Delta \text{Dmp}$		Kea
over	incl.	max.	min.	max.
30	50	0	-11	20
50	80	0	-13	25
80	120	0	-15	35
120	150	0	-18	40
150	180	0	-25	45
180	250	0	-30	50

D = Outside diameter of bearing.

$\Delta \text{Dmp}$  = Deviation of mean outside diameter.

Kea = Radial runout of outer ring.



### Accuracies of Inner Ring - Unit = $\mu\text{m}$

d (mm)		Cylindrical Bore Bearing								Kia
		Bore Diameter						$\Delta \text{Bs, Cs}$		
		UC, HC, SA, SB, SER			SC					
		$\Delta \text{dmp}$		Vdp	$\Delta \text{dmp}$		Vdp			
over	incl.	max.	min.	max.	max.	min.	max.	min.	min.	max.
10	18	+15	0	10	0	-8	6	0	-120	15
18	30	+18	0	12	0	-10	8	0	-120	18
30	50	+21	0	14	0	-12	9	0	-120	20
50	80	+24	0	16	0	-15	11	0	-150	25
80	120	+28	0	19	-	-	-	0	-200	30
120	180	+33	0	22	-	-	-	0	-250	35

d = Bore diameter.

$\Delta \text{Dmp}$  = Deviation of mean bearing bore diameter in a single plane.

Vdp = Variation of bearing bore diameter in a single radial plane.

$\Delta \text{Bs}$  = Deviation in a single inner ring width.

$\Delta \text{Cs}$  = Deviation in a single outer ring width.

Kia = Radial run out of inner ring.

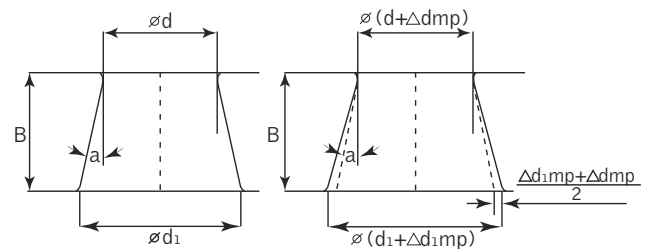
# Tolerance of Bearings

## Accuracies



### Accuracies of Tapered Bore - Unit = $\mu\text{m}$

mm		$\Delta\text{dmp}$		$\Delta\text{d1mp} - \Delta\text{dmp}$		Vdp
over	incl.	max.	min.	max.	min.	max.
18	30	+33	0	+21	0	13
30	50	+39	0	+25	0	15
50	80	+46	0	+30	0	19
80	120	+54	0	+35	0	25
120	180	+63	0	+40	0	31



Applies in any single radial plane of the bore.

$d$  = Bore diameter.

$d_1$  = Basic diameter of theoretically large end of the tapered bore.

$\Delta\text{dmp}$  = Dimensional difference of the average bore diameter within the flat surface at the theoretical small end of the tapered bore.

$\Delta\text{d1mp}$  = Dimensional difference of the average bore diameter within the flat surface at the theoretical large end of the tapered bore.

Vdp = Inequality of the bore diameter within the flat surface.

$B$  = Normal width of the inner ring.

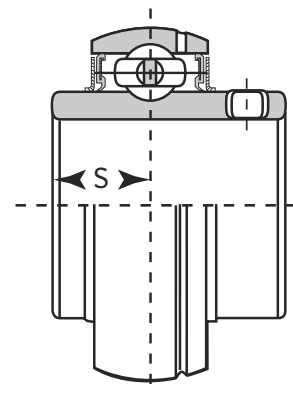
$a$  = Half of the nominal tapered angle of the tapered bore.

$a$  =  $2^\circ 23' 9.4'' = 2.38594^\circ = 0.041643$  rad.

### Tolerances in Distance(s) from Center Line of Spherical Outer Ring to Side of Inner Ring

### Accuracies of Tapered Bore - Unit = $\mu\text{m}$

Nominal Dimension of Bore Diameter $d$ (mm)		Tolerance of $n$
over	incl.	max.
-	50	+/- 200
50	80	+/- 250
80	120	+/- 300
120	-	+/- 350





# Load Rating

## Basic Dynamic Load Rating

The basic dynamic load rating is the pure radial load applied to the bearing for a rated life of one million revolutions or 500 hours at 33.3 revolutions per minute. Expressed differently, the basic dynamic load rating is the constant stationary radial load, which a group of apparently identical bearings with stationary outer rings can endure for a rated life of one million revolutions of the inner ring.

## Static Load Rating

Basic static load rating is a load acting on a nonrotating bearing and is considered to correspond to a calculated contact stress of:

- 4600 MPa / 667174 psi for self-aligning Ball Bearings,
- 4200 MPa / 609158 psi for all other Ball Bearings, and
- 4000 MPa / 580151 psi for all Roller Bearings

at the center of the most heavily stressed rolling element and raceway contact.

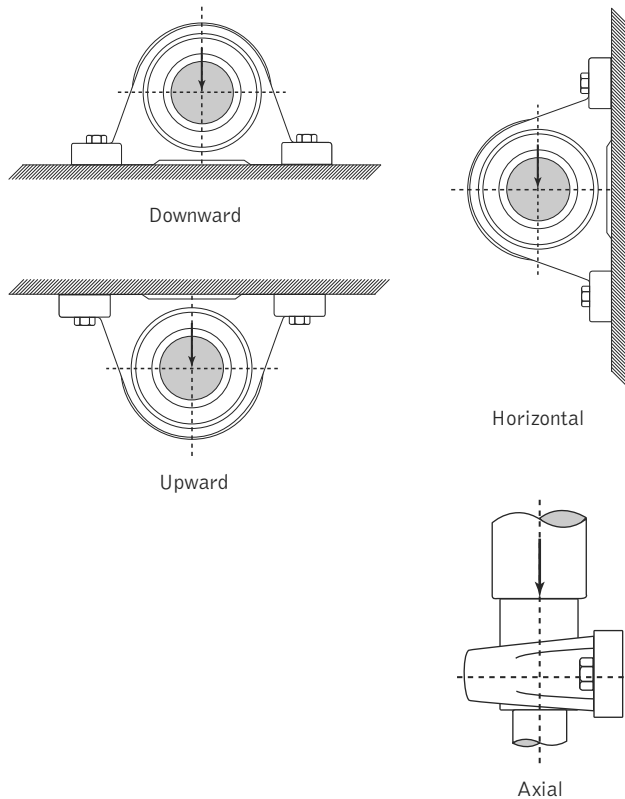
When a bearing is not in motion or is operating at a slow speed under large static loads or shock loads, the static load rating must be taken into account. Generally, a safety factor is used for rotating bearings.

Operating Conditions	Load	Factor
Rotating bearings	Ordinary loads	1
	Stock loads	1.5
Non-rotating bearings that oscillate from time to time	Ordinary loads	0.5
	Stock loads	1



## Allowable Load of Cast Iron Housings

The allowable load capacities of housings differ substantially, depending on their shape and the load direction. Since ball bearing units are complicated in form, it is difficult to calculate their allowable loading capacities. In many cases, such values are entirely different from the actual ones. For this reason, the P type housing is taken here as the most popular example. The strength of the load from each direction is shown here as obtained from actual tests.



Part Number	Downward direction destruction strenght	Upward direction destruction strenght	Horizontal direction destruction strenght	Axial direction destruction strenght
	(lbf)	(lbf)	(lbf)	(lbf)
P 203	15 648	6 612	11 020	2 424
P 204	17 852	7 273	12 343	3 747
P 205	20 718	8 155	13 444	3 967
P 206	27 109	11 020	19 836	4 849
P 207	35 705	13 444	22 260	5 290
P 208	39 892	14 546	24 024	5 510
P 209	41 435	15 428	27 330	5 730
P 210	42 758	16 530	30 415	7 053
P 211	45 284	18 073	33 500	7 494
P 212	60 610	23 142	38 129	9 698
P 213	63 916	25 346	41 876	11 240
P 214	70 362	26 301	44 060	12 139
P 215	72 610	28 549	46 084	12 588
P 216	79 129	33 045	59 347	14 387
P 217	99 136	37 316	61 595	16 410
P 218	105 656	41 812	76 610	26 301

## Allowable Load of Pressed Steel Housings

Pressed Steel Housings show deformation when subjected to a load. The deformation depends upon the direction and amount of the load, the shape of the housing, and thickness of the steel plate. Therefore, the allowable load must be such an amount that deformation of the housing may not disturb function. The allowable load on a Pressed Steel Housing in a radial direction shall be approximately 1/3 of the basic dynamic load rating of the bearing, and approximately 1/3 of the allowable radial load in the axial direction.

## Lubrication

Usually, grease replenishment is not necessary, since GRB bearings contain high quality lithium-based grease. However, at high temperature, or where there is exposure to water or excessive dust, re-lubrication becomes necessary from time to time. Always use high quality lithium-based grease. It is advisable to replenish the grease while the machine is in operation. Keep inserting the grease until you start seeing just a little grease oozing out from between the outer ring and the slinger.



# Conversion Chart

## Millimeters to Inches

mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
1	0.039	11	0.433	21	0.827	31	1.221	41	1.614	51	2.008	61	2.402	71	2.795	81	3.189	91	3.583
2	0.079	12	0.472	22	0.866	32	1.260	42	1.654	52	2.047	62	2.441	72	2.835	82	3.228	92	3.622
3	0.118	13	0.512	23	0.906	33	1.299	43	1.693	53	2.087	63	2.480	73	2.874	83	3.268	93	3.661
4	0.158	14	0.551	24	0.945	34	1.339	44	1.732	54	2.165	64	2.520	74	2.913	84	3.307	94	3.701
5	0.197	15	0.591	25	0.984	35	1.378	45	1.772	55	2.205	65	2.559	75	2.953	85	3.347	95	3.740
6	0.236	16	0.630	26	1.024	36	1.417	46	1.811	56	2.205	66	2.598	76	2.992	86	3.386	96	3.780
7	0.276	17	0.6696	27	1.063	37	1.457	47	1.850	57	2.244	67	2.638	77	3.032	87	3.425	97	3.819
8	0.315	18	0.709	28	1.102	38	1.496	48	1.890	58	2.284	68	2.677	78	3.071	88	3.465	98	3.858
9	0.354	19	0.748	29	1.142	39	1.535	49	1.929	59	2.323	69	2.717	79	3.110	89	3.504	99	3.898
10	0.394	20	0.787	30	1.181	40	1.575	50	1.969	60	2.362	70	2.756	80	3.150	90	3.543	100	3.937
mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
101	3.976	111	4.370	121	4.764	131	5.158	141	5.551	151	5.945	161	6.339	171	6.732	181	7.126	191	7.520
102	4.016	112	4.409	122	4.803	132	5.197	142	5.591	152	5.984	162	6.378	172	6.772	182	7.165	192	7.559
103	4.055	113	4.449	123	4.843	133	5.236	143	5.630	153	6.024	163	6.417	173	6.811	183	7.205	193	7.598
104	4.095	114	4.488	124	4.882	134	5.276	144	5.669	154	6.063	164	6.457	174	6.850	184	7.244	194	7.638
105	4.134	115	4.528	125	4.921	135	5.315	145	5.709	155	6.102	165	6.496	175	6.890	185	7.284	195	7.677
106	4.173	116	4.567	126	4.961	136	5.354	146	5.748	156	6.142	166	6.535	176	6.929	186	7.323	196	7.717
107	4.213	117	4.606	127	5.000	137	5.394	147	5.787	157	6.181	167	6.575	177	6.969	187	7.362	197	7.756
108	4.252	118	4.646	128	5.039	138	5.433	148	5.827	158	6.221	168	6.614	178	7.008	188	7.402	198	7.795
109	4.291	119	4.685	129	5.079	139	5.472	149	5.866	159	6.260	169	6.654	179	7.047	189	7.441	199	7.835
110	4.331	120	4.724	130	5.118	140	5.512	150	5.906	160	6.299	170	6.693	180	7.087	190	7.480	200	7.874
mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
201	7.913	211	8.307	221	8.701	231	9.095	241	9.488	251	9.882	261	10.276	271	10.669	281	11.063	291	11.457
202	7.953	212	8.346	222	8.740	232	9.134	242	9.528	252	9.921	262	10.315	272	10.709	282	11.102	292	11.496
203	7.992	213	8.386	223	8.780	233	9.173	243	9.567	253	9.961	263	10.354	273	10.748	283	11.142	293	11.535
204	8.032	214	8.425	224	8.819	234	9.213	244	9.606	254	10.000	264	10.394	274	10.787	284	11.181	294	11.574
205	8.071	215	8.465	225	8.858	235	9.252	245	9.646	255	10.039	265	10.443	275	10.827	285	11.221	295	11.614
206	8.110	216	8.504	226	8.898	236	9.291	246	9.685	256	10.079	266	10.472	276	10.866	286	11.260	296	11.654
207	8.150	217	8.543	227	8.937	237	9.331	247	9.724	257	10.118	267	10.512	277	10.906	287	11.299	297	11.693
208	8.189	218	8.583	228	8.976	238	9.370	248	9.764	258	10.158	268	10.551	278	10.945	288	11.339	298	11.732
209	8.228	219	8.622	229	9.016	239	9.409	249	9.803	259	10.197	269	10.591	279	10.984	289	11.378	299	11.772
210	8.268	220	8.661	230	9.055	240	9.449	250	9.843	260	10.236	270	10.630	280	11.024	290	11.417	300	11.811