

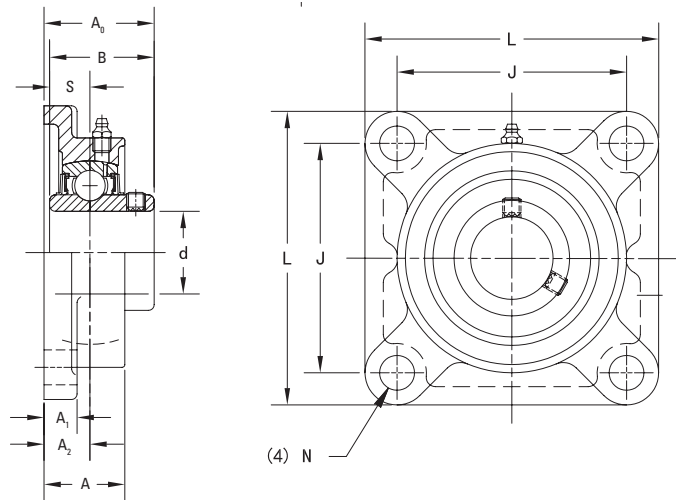
UCF 300 HEAVY-DUTY SET SCREW LOCKING SERIES CAST-IRON FOUR-BOLT FLANGED HOUSED UNITS

- UCF four-bolt flanged units are suggested for industrial applications where heavy loads are encountered.
- Each unit comes assembled and ready for mounting, using bolts through the flange.
- These units use wide inner ring ball bearings with self-aligning spherical outside diameters that compensate for shaft misalignment.
- Timken UCF series housed units feature the Timken set screw locking (UC) bearing insert.
- Bearing prelubricated and ready for immediate installation.
- Grease fitting supplied for relubrication⁽¹⁾.
- The bonded seal design is well-suited for applications involving wet or dirty environments.
- Bolt-hole spacing dimensions and shaft center location are interchangeable with competitive units.
- Housing designed for ease of bearing replacement.

Shaft Dia. d		Four-Bolt Flange Designation	Bearing Designation	Basic Load Ratings		Dimensions										Bolt Size	Wt.
				Dynamic	Static	L	J	A ₁	A	A ₀	S	B	A ₂	N			
				C _r	C _{0r}												
mm	in.			kN lbs	kN lbs	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	kg lbs	
25		UCF305	UC305	21.2 4766	10.9 2450	110 4 1⁄32	80 3 3⁄32	13 1⁄2	29 1 3⁄32	39 1 17⁄32	15 0.591	38 1.496	16 3⁄8	16 3⁄8	M14 1⁄2	1.3 2.8	
	1	UCF305-16	UC305-16														
30		UCF306	UC306	26.7 6002	15.0 3372	125 4 29⁄32	95 3 47⁄64	15 19⁄32	32 1 1⁄4	44 1 47⁄64	17 0.669	43 1.693	18 45⁄64	16 5⁄8	M14 1⁄2	1.9 4.2	
35		UCF307	UC307	33.4 7509	19.3 4339	135 5 3⁄16	100 3 15⁄16	16 5⁄8	36 1 13⁄32	49 1 59⁄64	19 0.748	48 1.890	20 25⁄32	19 3⁄4	M16 5⁄8	2.3 5	
	1 1⁄2	UCF308-24	UC308-24														
40		UCF308	UC308	40.7 9150	24.0 5395	150 5 29⁄32	112 4 13⁄32	17 21⁄32	40 1 1⁄16	56 2 13⁄64	19 0.748	52 2.047	23 29⁄32	19 3⁄4	M16 5⁄8	3.1 6.8	
	1 3⁄4	UCF309-28	UC309-28														
45		UCF309	UC309	48.9 10993	29.5 6632	160 6 3⁄16	125 4 59⁄64	18 23⁄32	44 1 23⁄32	60 2 23⁄64	22 0.866	57 2.244	25 63⁄64	19 3⁄4	M16 5⁄8	4.0 8.8	
50		UCF310	UC310	62.0 13938	38.3 8610	175 6 7⁄8	132 5 13⁄64	19 3⁄4	48 1 7⁄8	67 2 41⁄64	22 0.866	61 2.402	28 1 7⁄64	23 29⁄32	M20 3⁄4	5.1 11.2	
	2	UCF311-32	UC311-32														
55		UCF311	UC311	71.6 16096	45.0 10116	185 7 3⁄32	140 5 33⁄64	20 25⁄32	52 2 1⁄16	71 2 51⁄64	25 0.984	66 2.598	30 1 3⁄16	23 29⁄32	M20 3⁄4	5.6 12.3	
	2 3⁄16	UCF311-35	UC311-35														
60		UCF312	UC312	81.9 18412	52.2 11735	195 7 11⁄16	150 5 29⁄32	22 7⁄8	56 2 7⁄32	78 3 5⁄64	26 1.024	71 2.795	33 1 19⁄64	23 29⁄32	M20 3⁄4	6.9 15.2	
	2 7⁄16	UCF312-39	UC312-39														
	2 1⁄2	UCF313-40	UC313-40														
65		UCF313	UC313	92.7 20840	59.9 13466	208 8 3⁄16	166 6 17⁄32	22 7⁄8	58 2 3⁄32	78 3 5⁄64	30 1.181	75 2.953	33 1 19⁄64	23 29⁄32	M20 3⁄4	7.8 17.2	
	2 3⁄4	UCF314-44	UC314-44														
70		UCF314	UC314	104.0 23380	68.2 15332	226 8 29⁄32	178 7 1⁄64	25 31⁄32	61 2 13⁄32	81 3 3⁄16	33 1.299	78 3.071	36 1 27⁄64	25 63⁄64	M22 7⁄8	10.1 22.3	

⁽¹⁾ For bore sizes up to and including 210, a 1/4-28 tapered thread fitting is used. For bore sizes greater than 211, a 1/2 BSPT fitting is used.

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Shaft Dia. d		Four-Bolt Flange Designation	Bearing Designation	Basic Load Ratings		Dimensions									Bolt Size	Wt.
				Dynamic	Static	L	J	A ₁	A	A ₀	S	B	A ₂	N		
				C _r	C _{0r}											
mm	in.			kN lbs	kN lbs	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	kg lbs
	2 15⁄16	UCF315-47	UC315-47	113.0 25403	77.2 17355	236 9 3⁄2	184 7 1⁄4	25 3 3⁄2	66 2 19⁄2	89 3 1⁄2	32 1.260	82 3.228	39 1 17⁄2	25 63⁄64	M22 7⁄8	11.6 25.6
75		UCF315	UC315													
	3	UCF315-48	UC315-48													
80		UCF316	UC316	123.0 27651	86.7 19491	250 9 23⁄2	196 7 23⁄2	27 1 1⁄6	68 2 11⁄6	90 3 3⁄64	34 1.339	86 3.386	38 1 1⁄2	31 1 7⁄2	M27 1	12.8 28.2
85		UCF317	UC317	133.0 29900	96.8 21762	260 10 1⁄4	204 8 1⁄2	27 1 1⁄6	74 2 29⁄2	100 3 1⁄6	40 1.575	96 3.780	44 1 47⁄64	31 1 7⁄2	M27 1	15.3 33.7
	3 1⁄2	UCF318-56	UC318-56	143.0 32148	107.0 24055	280 11 1⁄2	216 8 1⁄2	30 1 3⁄6	76 3	100 3 1⁄6	40 1.575	96 3.780	44 1 47⁄64	35 1 3⁄8	M30 1 1⁄8	18.9 41.7
90		UCF318	UC318													
95		UCF319	UC319	153.0 34396	119.0 26752	290 11 13⁄2	228 8 3⁄2	30 1 3⁄6	94 3 11⁄6	121 4 49⁄64	41 1.614	103 4.055	59 2 21⁄64	35 1 3⁄8	M30 1 1⁄8	21.6 47.6
100		UCF320	UC320	173.0 38892	141.0 36198	310 12 7⁄2	242 9 17⁄2	32 1 1⁄4	94 3 11⁄6	125 4 39⁄64	42 1.654	108 4.252	59 2 21⁄64	38 1 1⁄2	M33 1 1⁄4	25.8 56.8
	3 15⁄6	UCF320-63	UC320-63													
	4	UCF320-64	UC320-64													
105		UCF321	UC321	184.0 41365	153.0 34396	310 12 7⁄2	242 9 17⁄2	32 1 1⁄4	94 3 11⁄6	127 5	44 1.732	112 4.409	59 2 21⁄64	38 1 1⁄2	M33 1 1⁄4	30.2 66.5
110		UCF322	UC322	205.0 46086	180.0 40466	340 13 3⁄8	266 10 15⁄2	35 1 3⁄8	96 3 25⁄2	131 5 3⁄2	46 1.811	117 4.606	60 2 23⁄64	41 1 39⁄64	M36 1 3⁄8	35.3 77.8
120		UCF324	UC324	207.0 46535	185.0 41590	370 14 3⁄6	290 11 27⁄64	40 1 1⁄6	110 4 11⁄2	140 5 1⁄2	51 2.008	126 4.961	65 2 3⁄6	41 1 39⁄64	M36 1 3⁄8	47.3 104.2
130		UCF326	UC326	229.0 51481	214.0 48109	410 16 3⁄2	320 12 19⁄2	45 1 25⁄2	115 4 17⁄2	146 5 3⁄4	54 2.126	135 5.315	65 2 1⁄6	41 1 39⁄64	M36 1 3⁄8	65.5 144.4
140		UCF328	UC328	253.0 56877	246.0 55303	450 17 23⁄2	350 13 25⁄2	55 2 3⁄2	125 4 29⁄2	161 6 11⁄2	59 2.323	145 5.709	75 2 61⁄64	41 1 39⁄64	M36 1 3⁄8	80.4 177.2