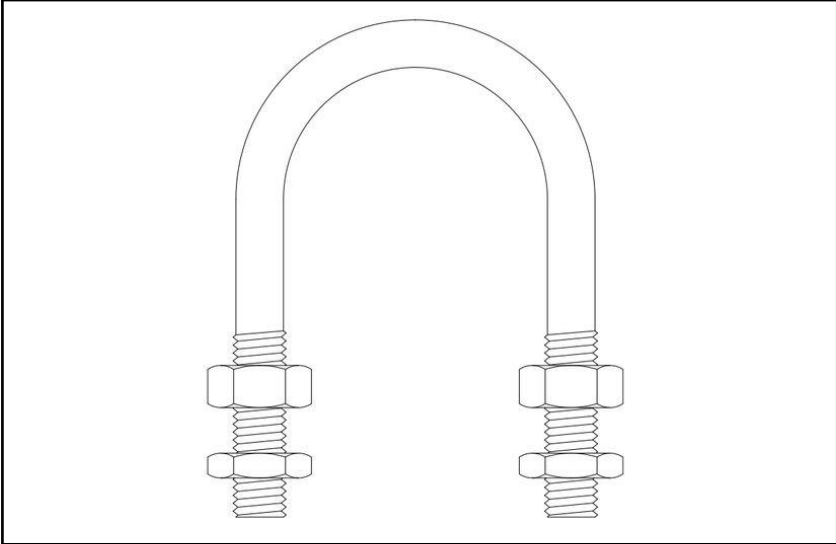
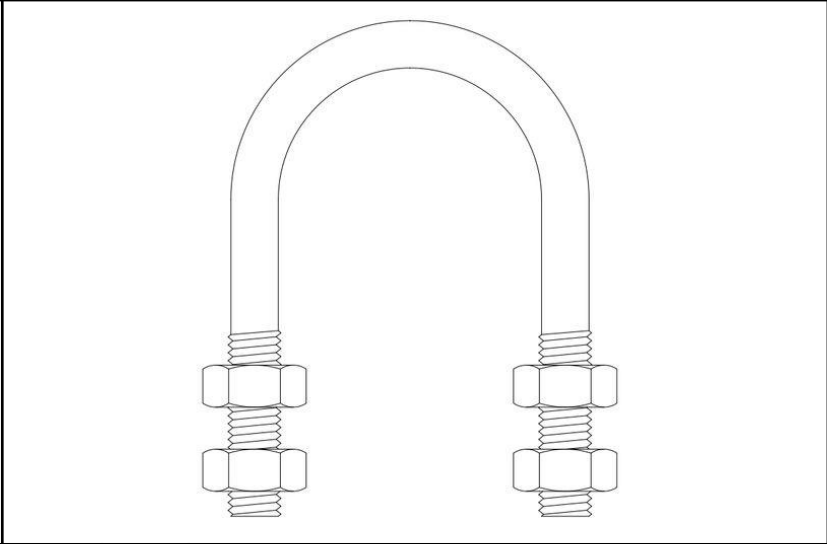
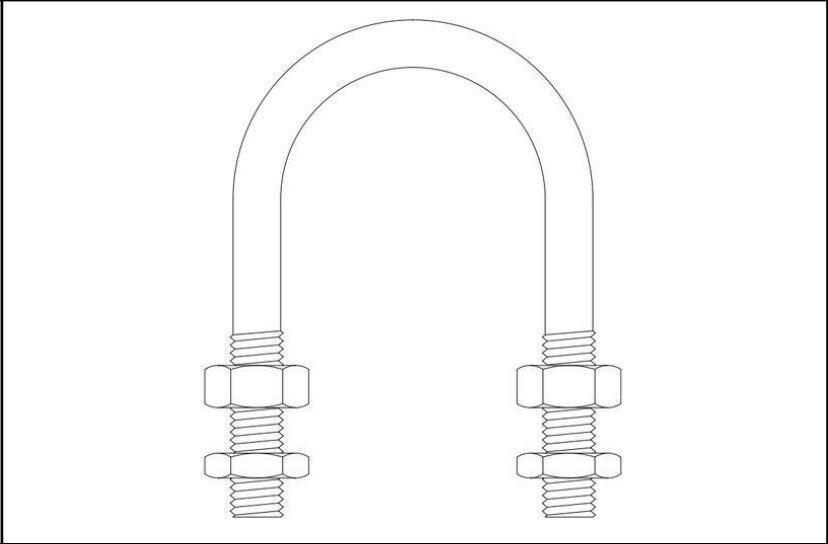




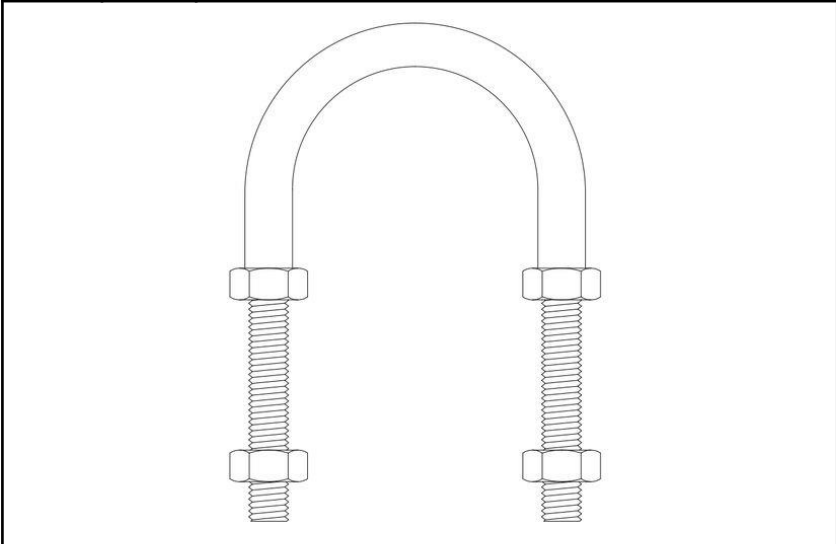
<u>1100</u>	Pg.2	British Standard Grippped (Anchor) U-bolt - 3974 PART 1:1974
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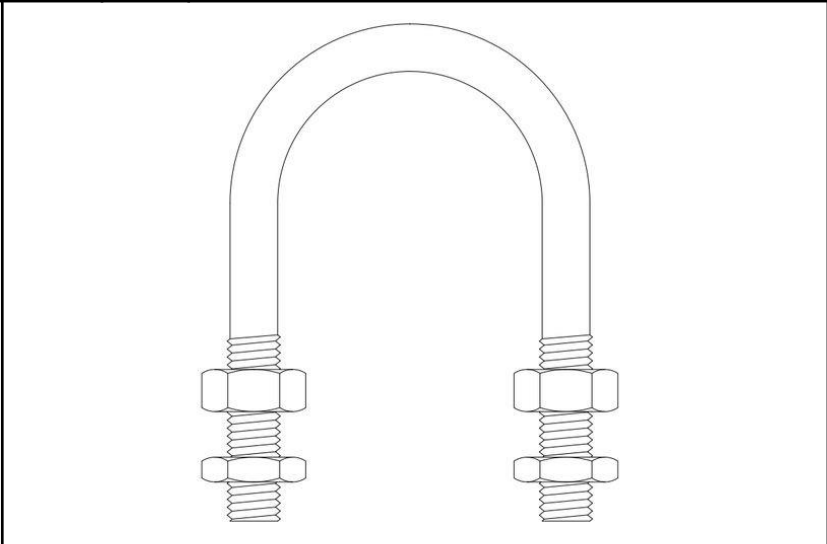
<u>1101</u>	Pg.3	British Standard Non-Grippped (Guide) U-bolt - 3974 PART 1:1974
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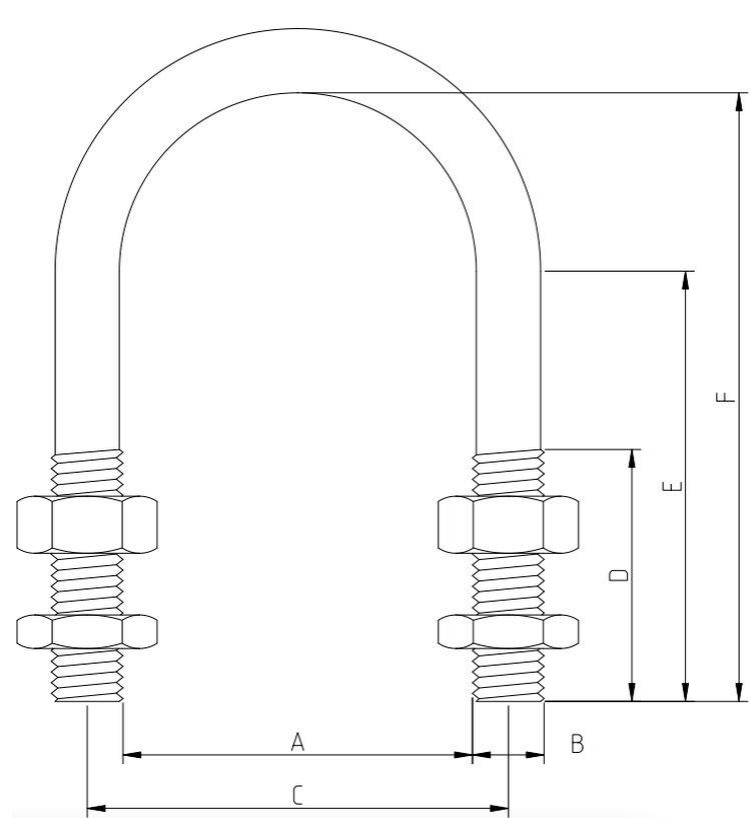
<u>1102</u>	Pg.4	Light Pattern Grippped (Anchor) U-bolt
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<u>1103</u>	Pg.5	Extended Leg Non-Grippped (Guide) U-bolt
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DIN 3570	Pg.6	Grippped (Anchor) U-bolt – DIN 3570 (Type A)
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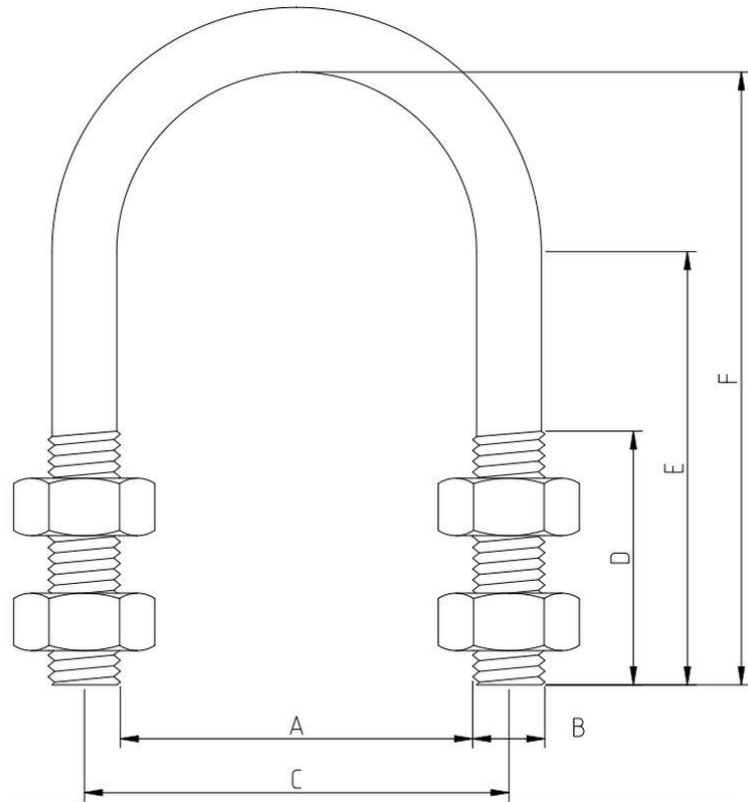
Notes:
Conforms to British Standard 3974 PART 1: 1974 Fig 11A.
Assembled with 2 x Full Nuts and 2 x Half Nuts

Material:
Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:
Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

Nominal Bore	Pipe O.D.	A	B	C	D	E	F	Part No.
8	13.7	14	M6	20	21	28	35	UBOLT/MATL/M6*14*35*21
10	17.2	19	M6	25	25	30	40	UBOLT/MATL/M6*19*40*25
15	21.3	22	M8	30	25	35	46	UBOLT/MATL/M8*22*46*25
20	26.9	27	M8	35	25	42	56	UBOLT/MATL/M8*27*56*25
25	33.7	37	M8	45	25	44	62	UBOLT/MATL/M8*37*62*25
32	42.4	47	M8	55	25	48	72	UBOLT/MATL/M8*47*72*25
40	48.3	50	M10	60	35	60	85	UBOLT/MATL/M10*50*85*35
50	60.3	65	M10	75	35	64	96	UBOLT/MATL/M10*65*96*35
65	76.1	78	M12	90	45	85	124	UBOLT/MATL/M12*78*124*45
80	88.9	89	M16	105	50	98	142	UBOLT/MATL/M16*89*142*50
100	114.3	119	M16	135	50	108	168	UBOLT/MATL/M16*119*168*50
125	139.7	144	M16	160	50	120	192	UBOLT/MATL/M16*144*192*50
150	168.3	170	M20	190	55	140	225	UBOLT/MATL/M20*170*225*55
175	193.7	195	M20	215	55	152	250	UBOLT/MATL/M20*195*250*55
200	219.1	225	M20	245	65	174	286	UBOLT/MATL/M20*225*286*65
225	244.5	250	M20	270	65	175	300	UBOLT/MATL/M20*250*300*65
250	273	280	M20	300	65	200	340	UBOLT/MATL/M20*280*340*65
300	323.9	330	M20	350	65	225	390	UBOLT/MATL/M20*330*390*65
350	355.6	361	M24	385	75	248	428	UBOLT/MATL/M24*361*428*75
400	406.4	411	M24	435	75	282	488	UBOLT/MATL/M24*411*488*75
450	457	461	M24	485	75	298	528	UBOLT/MATL/M24*461*528*75
500	508	516	M24	540	75	330	588	UBOLT/MATL/M24*516*588*75
550	559	566	M24	590	75	355	638	UBOLT/MATL/M24*566*638*75
600	610	616	M24	640	75	380	688	UBOLT/MATL/M24*616*688*75



Notes:

Conforms to British Standard 3974 PART 1: 1974 Fig 11A.
Assembled with 4 x Full Nuts

Material:

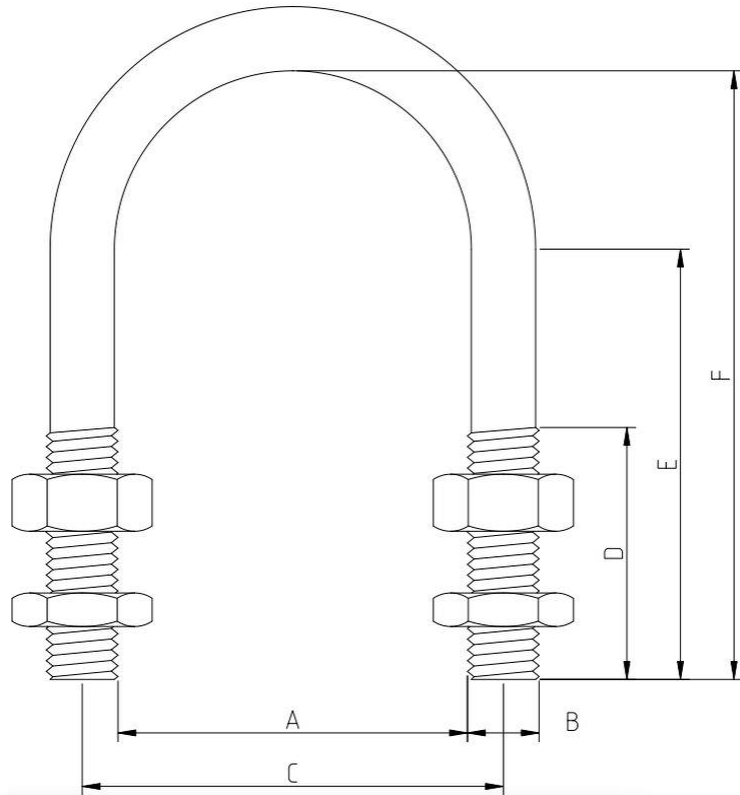
Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

Nominal Bore	Pipe O.D.	A	B	C	D	E	F	Part No.
8	13.7	19	M6	25	25	28	38	UBOLT/MATL/M6*19*38*25
10	17.2	26	M6	32	25	28	41	UBOLT/MATL/M6*26*41*25
15	21.3	32	M8	40	25	25	41	UBOLT/MATL/M8*32*41*25
20	26.9	37	M8	45	30	32	51	UBOLT/MATL/M8*37*51*30
25	33.7	42	M8	50	30	35	56	UBOLT/MATL/M8*42*56*30
32	42.4	52	M8	60	30	40	66	UBOLT/MATL/M8*52*66*30
40	48.3	55	M10	65	40	52	80	UBOLT/MATL/M10*55*80*40
50	60.3	70	M10	80	40	60	95	UBOLT/MATL/M10*70*95*40
65	76.1	83	M12	95	50	72	114	UBOLT/MATL/M12*83*114*50
80	88.9	94	M16	110	55	85	132	UBOLT/MATL/M16*94*132*55
100	114.3	124	M16	140	55	95	157	UBOLT/MATL/M16*124*157*55
125	139.7	149	M16	165	55	108	182	UBOLT/MATL/M16*149*182*55
150	168.3	175	M20	195	65	128	216	UBOLT/MATL/M20*175*216*65
175	193.7	200	M20	220	65	140	240	UBOLT/MATL/M20*200*240*65
200	219.1	230	M20	250	65	150	265	UBOLT/MATL/M20*230*265*65
225	244.5	255	M20	275	65	162	290	UBOLT/MATL/M20*255*290*65
250	273	285	M20	305	75	182	325	UBOLT/MATL/M20*285*325*75
300	323.9	335	M20	355	75	208	376	UBOLT/MATL/M20*335*376*75
350	355.6	366	M24	390	80	230	413	UBOLT/MATL/M24*366*413*80
400	406.4	416	M24	440	80	255	463	UBOLT/MATL/M24*416*463*80
450	457	471	M24	495	80	270	514	UBOLT/MATL/M24*471*514*80
500	508	521	M24	545	80	304	564	UBOLT/MATL/M24*521*564*80
550	559	571	M24	595	80	328	614	UBOLT/MATL/M24*571*614*80
600	610	621	M24	645	80	354	664	UBOLT/MATL/M24*621*664*80



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	Part No.
15	21.3	22	M6	28	25	37	48	UBOLT/MATL/M6*22*48*25
20	26.9	27	M6	33	25	40	53	UBOLT/MATL/M6*27*53*25
25	33.7	34	M6	40	25	43	60	UBOLT/MATL/M6*34*60*25
32	42.4	42	M10	52	35	49	70	UBOLT/MATL/M10*42*70*35
40	48.3	50	M10	60	35	55	80	UBOLT/MATL/M10*50*80*35
50	60.3	61	M10	71	35	60	90	UBOLT/MATL/M10*61*90*35
65	76.1	76	M12	88	40	78	116	UBOLT/MATL/M12*76*116*40
80	88.9	90	M12	102	40	85	130	UBOLT/MATL/M12*90*130*40
90	101.6	104	M12	116	40	90	142	UBOLT/MATL/M12*104*142*40
100	114.3	116	M12	128	40	97	155	UBOLT/MATL/M12*116*155*40
125	139.7	140	M12	152	40	110	180	UBOLT/MATL/M12*140*180*40
150	168.3	170	M12	182	40	125	210	UBOLT/MATL/M12*170*210*40
175	193.7	192	M16	208	40	137	233	UBOLT/MATL/M16*192*233*40
200	219.1	220	M16	236	40	154	264	UBOLT/MATL/M16*220*264*40
225	244.5	246	M20	266	50	173	296	UBOLT/MATL/M20*246*296*50
250	273	274	M20	294	50	185	322	UBOLT/MATL/M20*274*322*50
300	323.9	326	M20	346	50	210	373	UBOLT/MATL/M20*326*373*50
350	356	358	M20	378	55	230	409	UBOLT/MATL/M20*358*409*55
400	406.4	409	M20	429	55	256	460	UBOLT/MATL/M20*409*460*55
450	457	459	M24	483	55	280	510	UBOLT/MATL/M24*459*510*55
500	508	510	M24	534	60	305	560	UBOLT/MATL/M24*510*560*60
550	559	561	M24	585	60	336	616	UBOLT/MATL/M24*561*616*60
600	612	612	M24	636	60	360	666	UBOLT/MATL/M24*612*666*60

Notes:

Light Pattern Design

Assembled with 2 x Full Nuts and 2 x Half Nuts

Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

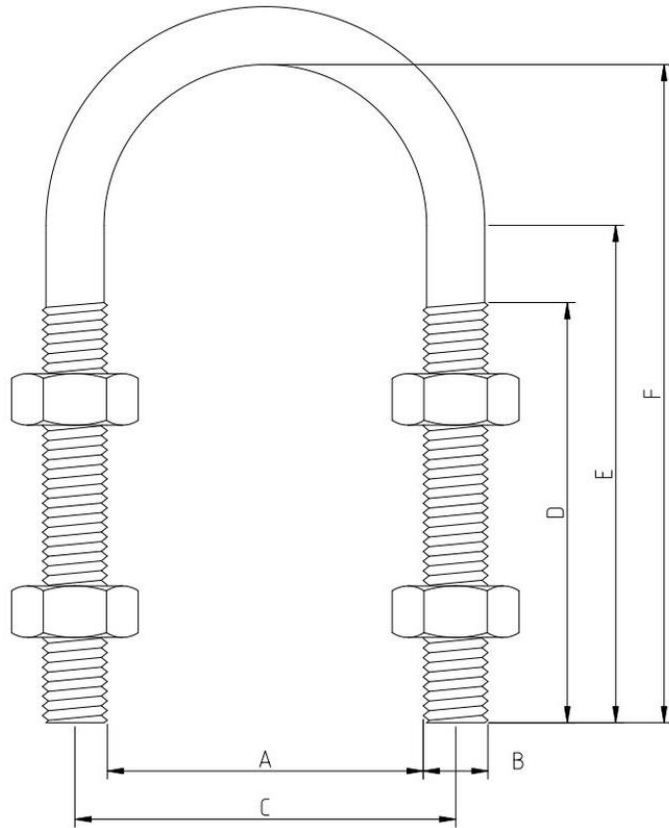
Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available

Safe Working Loads Available [Here](#)

Order Directly Online from Graphskill [Here](#)



Notes:

Light Pattern – Extended Leg Design
Assembled with 4 x Full Nuts

Material:

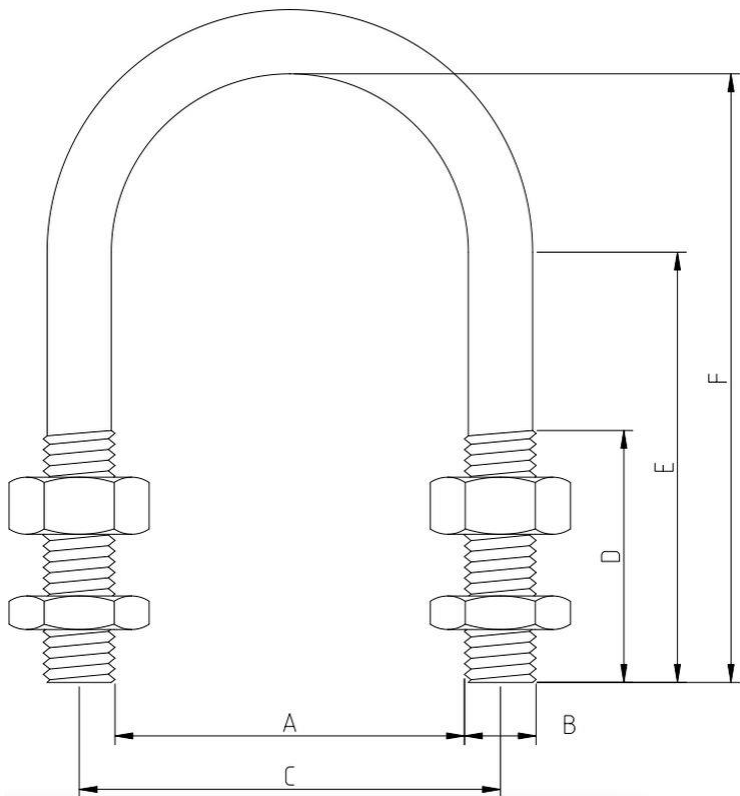
Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

Nominal Bore	Pipe O.D.	A	B	C	D	E	F	Part No.
15	21.3	24	M6	30	60	65	77	UBOLT/MATL/M6*24*77*60
20	26.9	29	M6	35	60	68	82	UBOLT/MATL/M6*29*82*60
25	33.7	36	M6	42	65	70	88	UBOLT/MATL/M6*36*88*65
32	42.4	44	M10	54	65	74	96	UBOLT/MATL/M10*44*96*65
40	48.3	52	M10	62	65	78	104	UBOLT/MATL/M10*52*104*65
50	60.3	64	M10	74	65	84	116	UBOLT/MATL/M10*64*116*65
65	76.1	78	M12	90	80	92	131	UBOLT/MATL/M12*78*131*80
80	88.9	94	M12	106	80	100	147	UBOLT/MATL/M12*94*147*80
90	101.6	104	M12	116	80	109	161	UBOLT/MATL/M12*104*161*80
100	114.3	116	M12	128	80	114	172	UBOLT/MATL/M12*116*172*80
125	139.7	143	M12	155	80	128	200	UBOLT/MATL/M12*143*200*80
150	168.3	173	M16	189	80	154	240	UBOLT/MATL/M16*173*240*80
200	219.1	222	M16	238	100	176	287	UBOLT/MATL/M16*222*287*100
225	244.5	248	M20	268	110	187	311	UBOLT/MATL/M20*248*311*110
250	273	276	M20	296	110	213	351	UBOLT/MATL/M20*276*351*110
300	323.9	328	M20	348	110	246	410	UBOLT/MATL/M20*328*410*110
350	355.6	360	M20	380	110	260	440	UBOLT/MATL/M20*360*440*110
400	406.4	411	M20	431	110	284	490	UBOLT/MATL/M20*411*490*110
450	457	460	M24	484	120	320	550	UBOLT/MATL/M24*460*550*120
500	508	512	M24	536	120	345	601	UBOLT/MATL/M24*512*601*120
550	559	562	M24	586	120	373	654	UBOLT/MATL/M24*562*654*120
600	610	614	M24	638	120	400	707	UBOLT/MATL/M24*614*707*120



Notes:

Conforms to DIN 3570 (Type A)

Assembled with 2 x Full Nuts and 2 x Half Nuts

Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

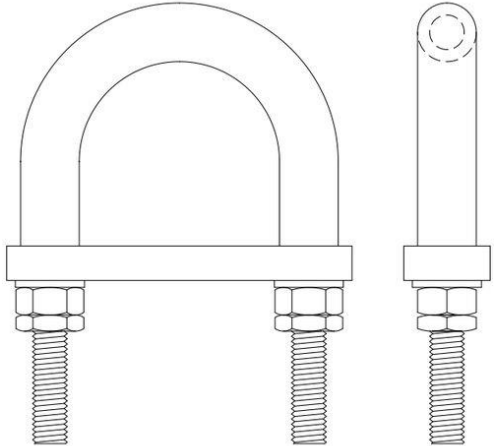
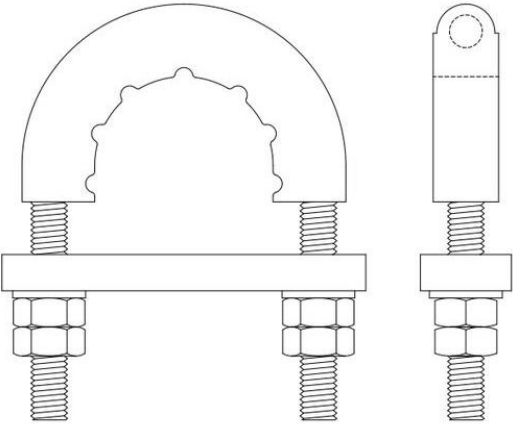
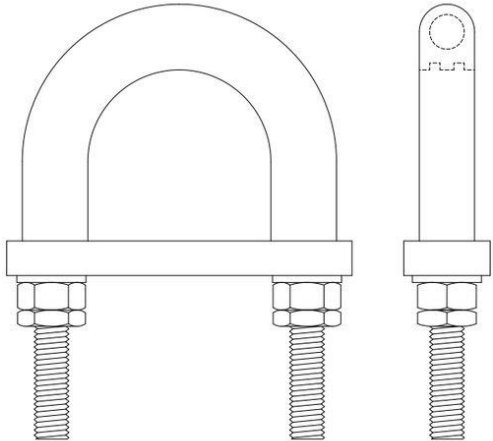
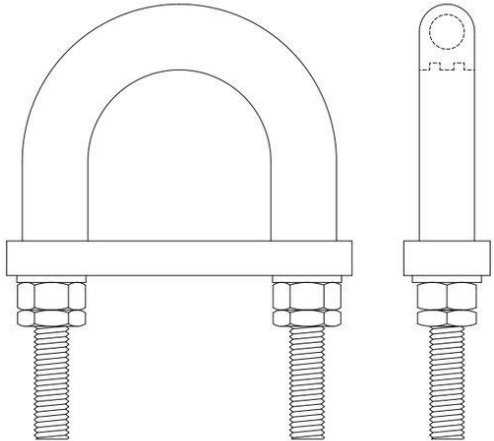
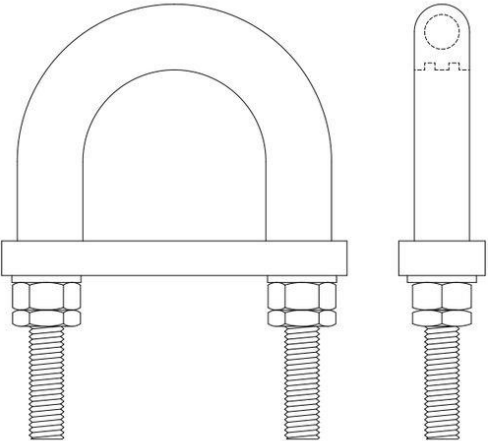
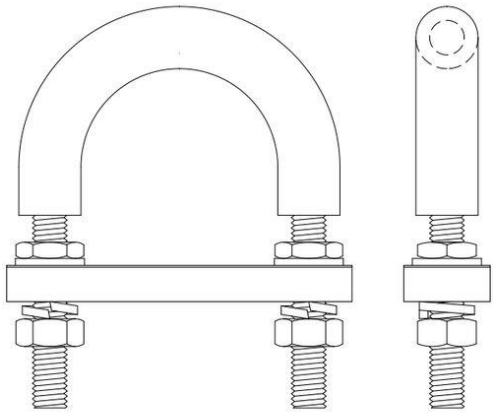
Galvanised | Zinc Plated |
Self Colour

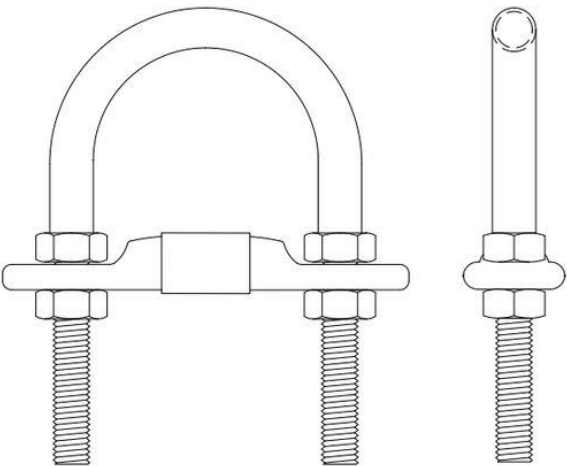
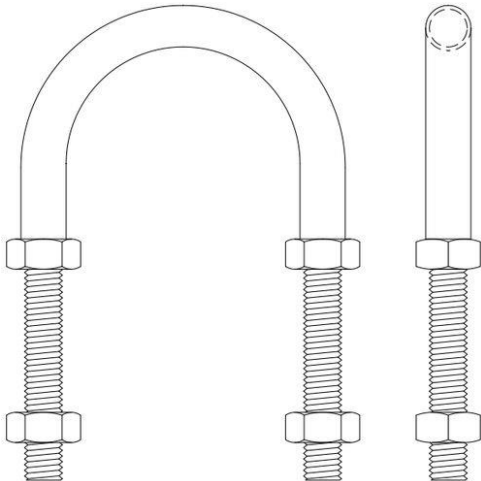
Nominal Bore	Pipe O.D.	A	B	C	D	E	F	Part No.
15	21.3	23	M10	33	30	40	51	UBOLT/MATL/M10*23*51*30
20	26.9	30	M10	40	40	45	60	UBOLT/MATL/M10*30*60*40
25	33.7	38	M10	48	40	47	66	UBOLT/MATL/M10*38*66*40
32	42.4	46	M10	56	50	53	76	UBOLT/MATL/M10*46*76*50
40	48.3	52	M10	62	50	56	82	UBOLT/MATL/M10*52*82*50
50	60.3	64	M12	76	50	65	97	UBOLT/MATL/M12*64*97*50
65	76.1	82	M12	94	50	72	113	UBOLT/MATL/M12*82*113*50
80	88.9	94	M12	106	50	79	126	UBOLT/MATL/M12*94*126*50
100	114.3	120	M16	136	60	95	155	UBOLT/MATL/M16*120*155*60
125	139.7	148	M16	164	60	101	175	UBOLT/MATL/M16*148*175*60
150	168.3	176	M16	192	60	113	201	UBOLT/MATL/M16*176*201*60
175	193.7	202	M16	218	60	152	253	UBOLT/MATL/M16*202*253*60
200	219.1	228	M20	248	70	149	263	UBOLT/MATL/M20*228*263*70
250	273	282	M20	302	70	173	314	UBOLT/MATL/M20*282*314*70
300	323.9	332	M20	352	70	199	365	UBOLT/MATL/M20*332*365*70
350	355.6	378	M24	402	70	222	411	UBOLT/MATL/M24*378*411*70
400	406.4	428	M24	452	70	249	463	UBOLT/MATL/M24*428*463*70
500	508	530	M24	554	70	300	565	UBOLT/MATL/M24*530*565*70

Bespoke sizes, alternative materials and other finishes are available

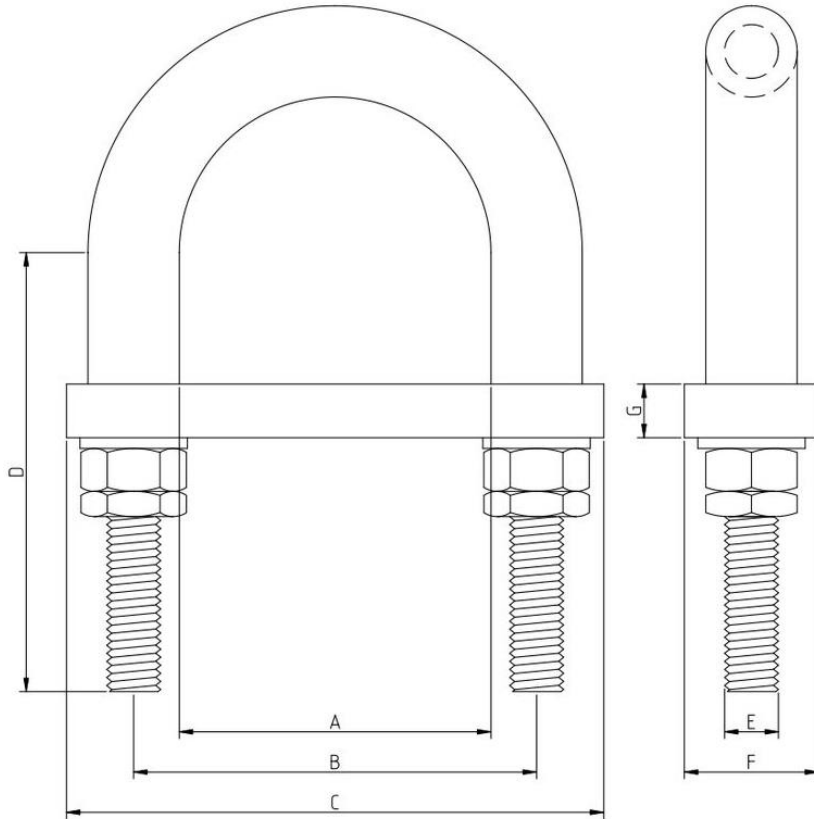
Safe Working Loads Available [Here](#)

Order Directly Online from Graphskill [Here](#)

								
<u>1108</u>	Pg.9	Non-Gripped (Guide) Insulating Rubber Lined U-bolt	<u>1109</u>	Pg.10	Gripped (Anchor) Anti-Vibration Rubber Lined U-bolt	<u>1110</u>	Pg.11	Gripped (Anchor) Anti-Vibration Rubber Lined U-bolt
								
<u>1110-FR</u>	Pg.12	Gripped (Anchor) Anti-Vibration Flame-Retardant Rubber Lined U-bolt	<u>1110-FRHT</u>	Pg.13	Gripped (Anchor) Anti-Vibration High Temperature Flame-Retardant Rubber Lined U-bolt	<u>1111</u>	Pg.14	Non-Gripped (Guide) Low Friction Insulating Rubber Lined U-bolt with PTFE Bonded Backing Pad

					
<u>1112</u>	Pg.15	Rubber Lined U-bolt with Rubber Lined Steel Backing Rod	<u>Anti-Chafe</u>	Pg.16	Anti-Chafe Thin Wall Silicone Rubber Lined U-bolt

Non-Gripped (Guide) Insulating Rubber Lined U-bolt & Backing Pad
Use: Where it is undesirable to restrict longitudinal movement



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
15	21.3	23	37	60	60	M6	25	10	1108/MATL/023
20	26.9	29	43	70	65	M6	25	10	1108/MATL/029
25	33.7	36	50	75	65	M6	25	10	1108/MATL/036
32	42.4	50	69	95	80	M10	25	10	1108/MATL/050
40	48.3	56	75	100	80	M10	25	10	1108/MATL/056
50	60.3	68	87	110	90	M10	25	10	1108/MATL/068
65	76.1	81	102	135	95	M12	25	10	1108/MATL/081
80	88.9	94	115	140	100	M12	25	10	1108/MATL/094
90	101.6	107	128	155	114	M12	25	10	1108/MATL/107
100	114.3	120	141	170	110	M12	25	10	1108/MATL/120
125	139.7	145	166	195	135	M12	25	10	1108/MATL/145
150	168.3	175	200	235	180	M16	35	15	1108/MATL/175
200	219.1	230	255	290	200	M16	35	15	1108/MATL/230
250	273	285	310	345	225	M16	35	15	1108/MATL/285
300	323.9	335	360	395	250	M16	35	15	1108/MATL/335
350	355.6	366	391	426	265	M16	35	15	1108/MATL/366
400	406.4	416	441	476	300	M16	35	15	1108/MATL/416
450	457	467	496	550	330	M20	50	15	1108/MATL/467
500	508	518	547	600	355	M20	50	15	1108/MATL/518
550	559	569	598	650	380	M20	50	15	1108/MATL/559
600	610	620	649	700	405	M20	50	15	1108/MATL/620

Notes:

Assembled with 2 x Full Nuts, 2 x Half Nuts and 2 x Flat Washers

Temperature Range: -30 deg C to +70 deg C

Rubber: Neoprene | Colour: Black

Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

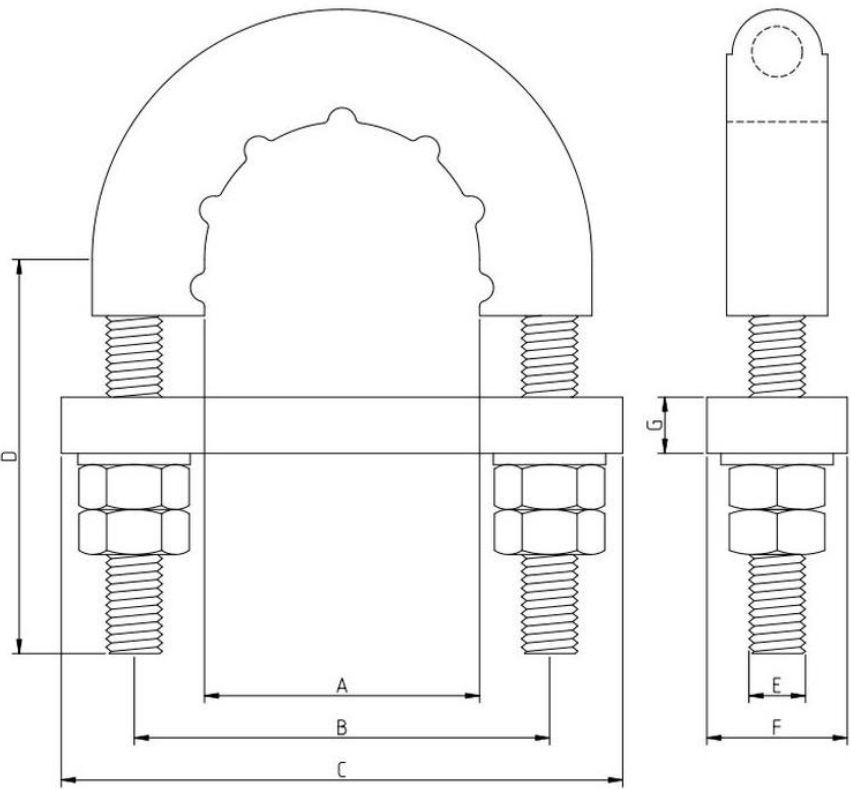
Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available

Safe Working Loads Available [Here](#)

Order Directly Online from Graphskill [Here](#)

Gripped (Anchor) Anti-Vibration Rubber Lined U-bolt & Backing Pad
Use: Where it is necessary to hold the pipe in all directions



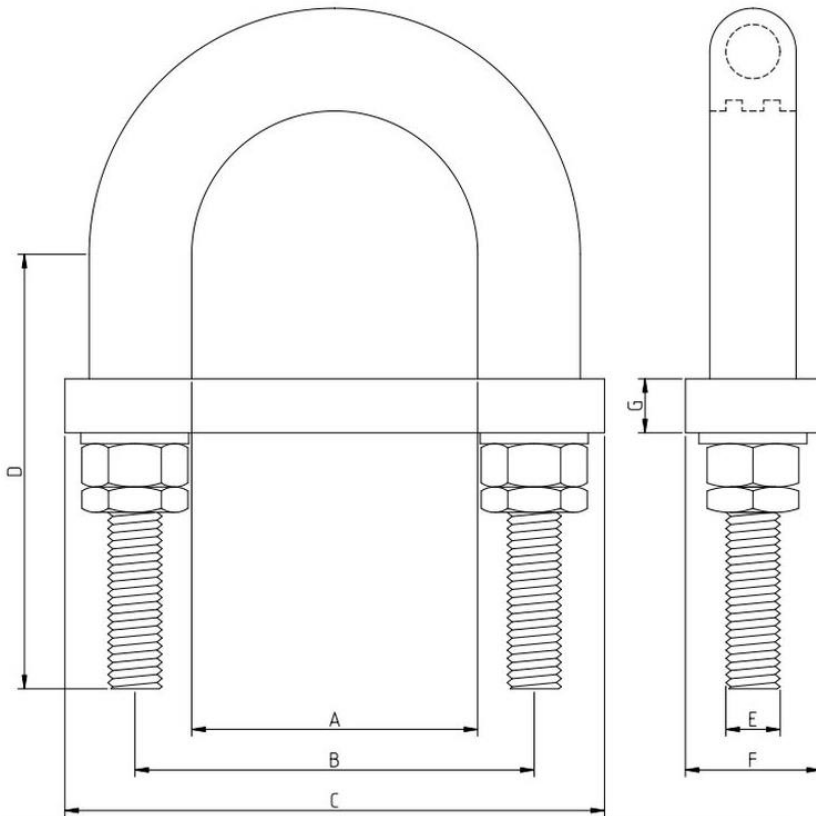
Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
15	21.3	21	37	60	60	M6	25	10	1109/MATL/021
20	26.9	27	43	68	65	M6	25	10	1109/MATL/027
25	33.7	34	50	72	65	M6	25	10	1109/MATL/034
32	42.4	43	69	90	70	M10	25	10	1109/MATL/043
40	48.3	49	75	98	80	M10	25	10	1109/MATL/049
50	60.3	61	87	110	90	M10	25	10	1109/MATL/061
80	88.9	89	115	140	100	M12	25	10	1109/MATL/089
100	114.3	115	141	166	110	M12	25	10	1109/MATL/115
150	168.3	168	210	246	180	M16	35	15	1109/MATL/168
200	219.1	219	262	300	199	M16	35	15	1109/MATL/219

Notes:
Assembled with 4 x Full Nuts and 2 x Flat Washers
Temperature Range: -30 deg C to +150 deg C
Rubber: Neoprene | Colour: Black

Material: Carbon Steel T304 Stainless Steel T316 Stainless Steel A320 L7	Surface Finish: Galvanised Zinc Plated Self Colour
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Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

Gripped (Anchor) Anti-Vibration Rubber Lined U-bolt & Backing Pad
Use: Where it is necessary to hold the pipe in all directions



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
15	21.3	21	37	60	60	M6	25	10	1110/MATL/021
20	26.9	27	43	68	65	M6	25	10	1110/MATL/027
25	33.7	34	50	72	65	M6	25	10	1110/MATL/034
32	42.4	43	69	90	70	M10	25	10	1110/MATL/043
40	48.3	49	75	98	80	M10	25	10	1110/MATL/049
50	60.3	61	87	110	90	M10	25	10	1110/MATL/061
65	76.1	76	102	136	95	M12	25	10	1110/MATL/076
80	88.9	89	115	140	100	M12	25	10	1110/MATL/089
100	114.3	115	141	166	110	M12	25	10	1110/MATL/115
125	139.7	140	166	192	135	M12	25	10	1110/MATL/140
150	168.3	168	210	246	180	M16	35	15	1110/MATL/168
200	219.1	219	262	300	199	M16	35	15	1110/MATL/219
250	273	273	316	352	226	M16	35	15	1110/MATL/273
300	323.9	324	366	400	250	M16	35	15	1110/MATL/324
350	355.6	356	398	432	265	M16	35	15	1110/MATL/356
400	406.4	407	448	484	300	M16	35	15	1110/MATL/407
450	457	457	499	535	335	M16	35	15	1110/MATL/457
500	508	508	550	586	364	M16	35	15	1110/MATL/508
550	559	559	601	637	390	M16	35	15	1110/MATL/559
600	610	610	652	688	416	M16	35	15	1110/MATL/610

Notes:

Assembled with 2 x Full Nuts, 2 x Half Nuts and 2 x Flat Washers
Temperature Range: -40 deg C to +200 deg C
Rubber: Silicone | Colour: Black

Material:

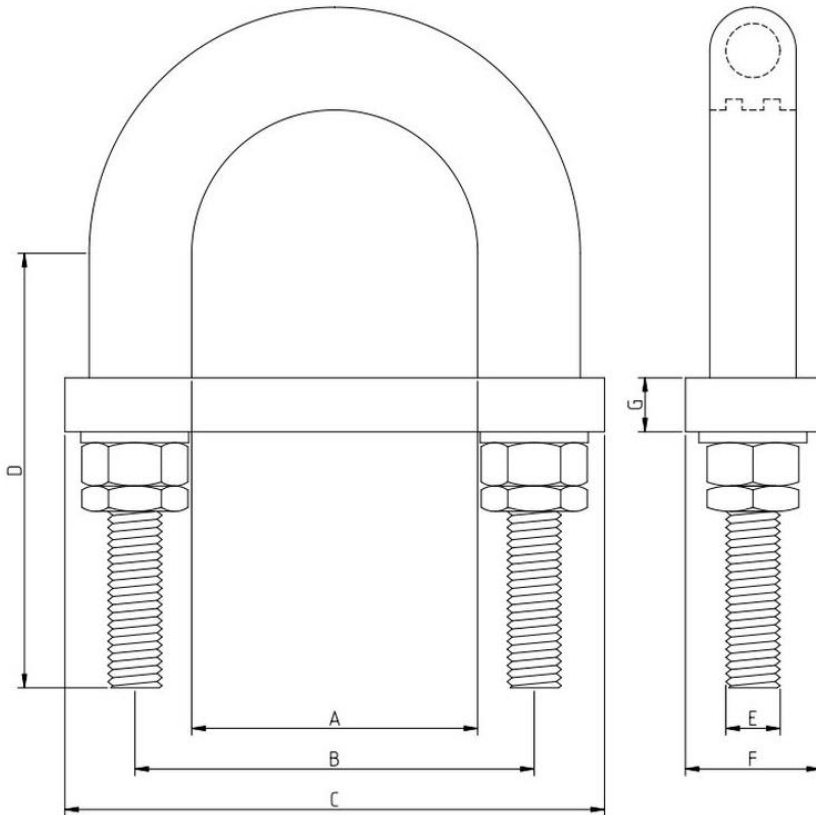
Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

Gripped (Anchor) Anti-Vibration Flame-Retardant Rubber Lined U-bolt & Backing Pad
Use: Where it is necessary to hold the pipe in all directions



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
15	21.3	21	37	60	60	M6	25	10	1110/MATL/021-FR
20	26.9	27	43	68	65	M6	25	10	1110/MATL/027-FR
25	33.7	34	50	72	65	M6	25	10	1110/MATL/034-FR
32	42.4	43	69	90	70	M10	25	10	1110/MATL/043-FR
40	48.3	49	75	98	80	M10	25	10	1110/MATL/049-FR
50	60.3	61	87	110	90	M10	25	10	1110/MATL/061-FR
65	76.1	76	102	136	95	M12	25	10	1110/MATL/076-FR
80	88.9	89	115	140	100	M12	25	10	1110/MATL/089-FR
100	114.3	115	141	166	110	M12	25	10	1110/MATL/115-FR
125	139.7	140	166	192	135	M12	25	10	1110/MATL/140-FR
150	168.3	168	210	246	180	M16	35	15	1110/MATL/168-FR
200	219.1	219	262	300	199	M16	35	15	1110/MATL/219-FR
250	273	273	316	352	226	M16	35	15	1110/MATL/273-FR
300	323.9	324	366	400	250	M16	35	15	1110/MATL/324-FR
350	355.6	356	398	432	265	M16	35	15	1110/MATL/356-FR
400	406.4	407	448	484	300	M16	35	15	1110/MATL/407-FR
450	457	457	499	535	335	M16	35	15	1110/MATL/457-FR
500	508	508	550	586	364	M16	35	15	1110/MATL/508-FR
550	559	559	601	637	390	M16	35	15	1110/MATL/559-FR
600	610	610	652	688	416	M16	35	15	1110/MATL/610-FR

Notes:

Assembled with 2 x Full Nuts, 2 x Half Nuts and 2 x Flat Washers
Temperature Range: -40 deg C to +200 deg C
Rubber: Silicone | Colour: Red

Material:

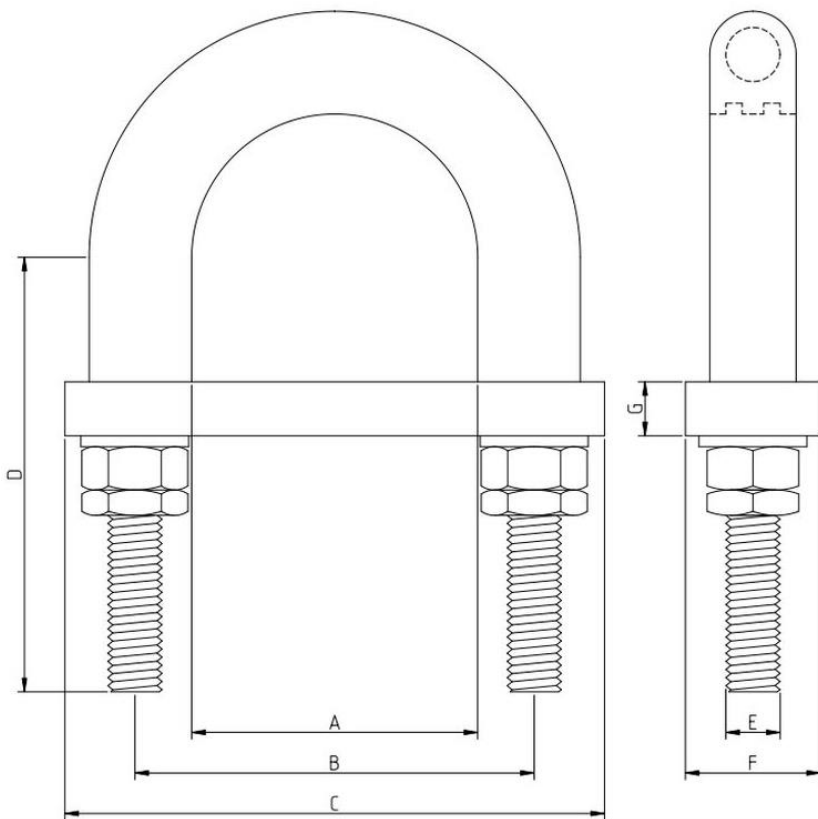
Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

Gripped (Anchor) Anti-Vibration High Temperature Flame-Retardant Rubber Lined U-bolt & Backing Pad
Use: Where it is necessary to hold the pipe in all directions



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
15	21.3	21	37	60	60	M6	25	10	1110/MATL/021-FRHT
20	26.9	27	43	68	65	M6	25	10	1110/MATL/027-FRHT
25	33.7	34	50	72	65	M6	25	10	1110/MATL/034-FRHT
32	42.4	43	69	90	70	M10	25	10	1110/MATL/043-FRHT
40	48.3	49	75	98	80	M10	25	10	1110/MATL/049-FRHT
50	60.3	61	87	110	90	M10	25	10	1110/MATL/061-FRHT
65	76.1	76	102	136	95	M12	25	10	1110/MATL/076-FRHT
80	88.9	89	115	140	100	M12	25	10	1110/MATL/089-FRHT
100	114.3	115	141	166	110	M12	25	10	1110/MATL/115-FRHT
125	139.7	140	166	192	135	M12	25	10	1110/MATL/140-FRHT
150	168.3	168	210	246	180	M16	35	15	1110/MATL/168-FRHT
200	219.1	219	262	300	199	M16	35	15	1110/MATL/219-FRHT
250	273	273	316	352	226	M16	35	15	1110/MATL/273-FRHT
300	323.9	324	366	400	250	M16	35	15	1110/MATL/324-FRHT
350	355.6	356	398	432	265	M16	35	15	1110/MATL/356-FRHT
400	406.4	407	448	484	300	M16	35	15	1110/MATL/407-FRHT
450	457	457	499	535	335	M16	35	15	1110/MATL/457-FRHT
500	508	508	550	586	364	M16	35	15	1110/MATL/508-FRHT
550	559	559	601	637	390	M16	35	15	1110/MATL/559-FRHT
600	610	610	652	688	416	M16	35	15	1110/MATL/610-FRHT

Notes:

Assembled with 2 x Full Nuts, 2 x Half Nuts and 2 x Flat Washers

Temperature Range: -40 deg C to +300 deg C

Rubber: Silicone | Colour: Grey

Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

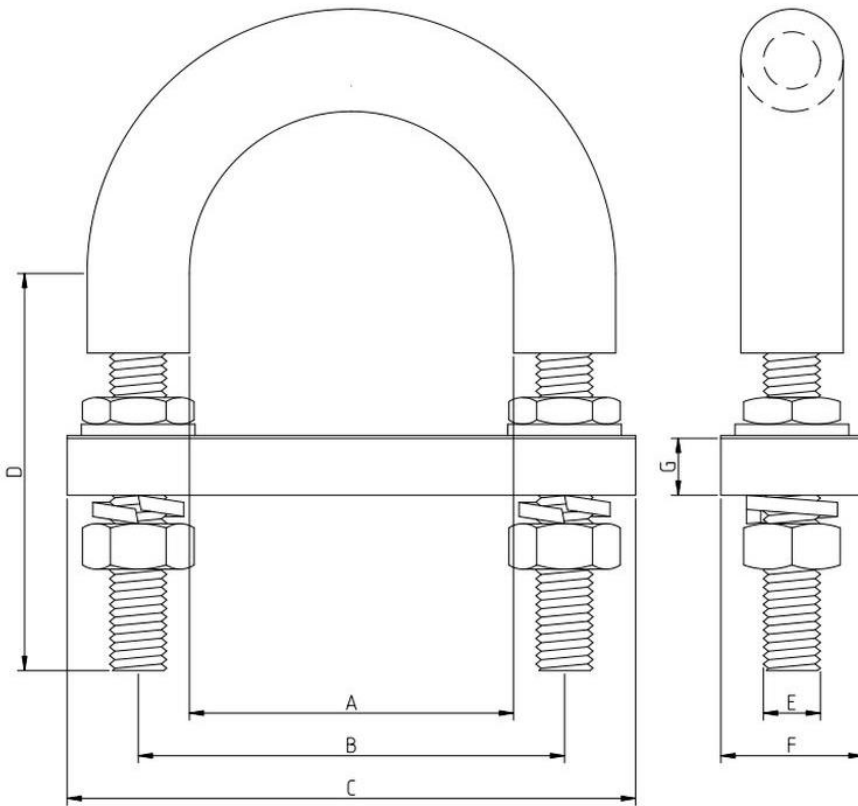
Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available

Safe Working Loads Available [Here](#)

Order Directly Online from Graphskill [Here](#)

Non-Gripped (Guide) Low Friction Insulating Rubber Lined U-bolt & PTFE Bonded Backing Pad
Use: Where it is undesirable to restrict longitudinal movement

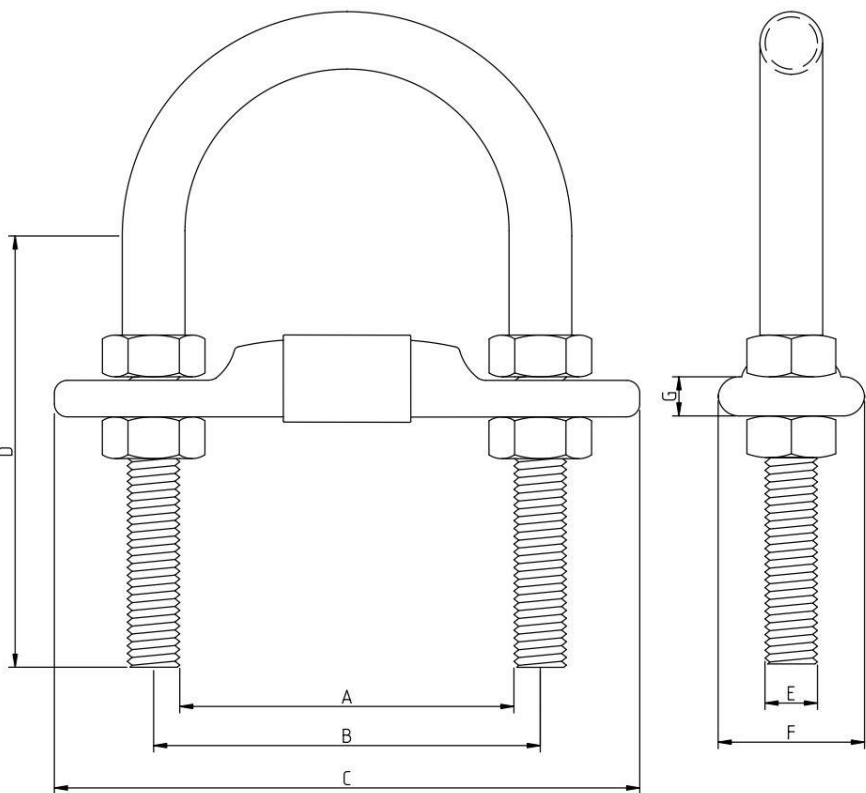


Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
15	21.3	23	37	60	60	M6	25	10	1111/MATL/023
20	26.9	29	43	70	65	M6	25	10	1111/MATL/029
25	33.7	36	50	75	65	M6	25	10	1111/MATL/036
32	42.4	50	69	95	70	M10	25	10	1111/MATL/050
40	48.3	57	75	100	80	M10	25	10	1111/MATL/057
50	60.3	69	87	110	90	M10	25	10	1111/MATL/069
65	76.1	81	102	135	95	M12	25	10	1111/MATL/081
80	88.9	94	115	140	100	M12	25	10	1111/MATL/094
100	114.3	120	141	170	110	M12	25	10	1111/MATL/120
125	139.7	145	166	195	135	M12	25	10	1111/MATL/145
150	168.3	184	210	250	180	M16	35	15	1111/MATL/184
200	219.1	235	261	300	199	M16	35	15	1111/MATL/235
250	273	285	310	350	225	M16	35	15	1111/MATL/285
300	323.9	334	360	395	250	M16	35	15	1111/MATL/334
350	355.6	366	396	450	265	M20	50	15	1111/MATL/366
400	406.4	417	447	500	300	M20	50	15	1111/MATL/417
450	457	467	497	550	328	M20	50	15	1111/MATL/467
500	508	518	548	600	364	M20	50	15	1111/MATL/518
550	559	569	599	650	390	M20	50	15	1111/MATL/569
600	610	620	650	700	415	M20	50	15	1111/MATL/620

Notes:
Assembled with 2 x Full Nuts, 2 x Half Nuts, 2 x Flat Washers and 2 x Spring Washers
Temperature Range: -20 deg C to +110 deg C
Rubber: Silicone | Colour: Blue Hose / Black Backing Pad / White PTFE

Material: Carbon Steel | T304 Stainless Steel | T316 Stainless Steel | A320 L7
Surface Finish: Galvanised | Zinc Plated | Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)



Notes:

Assembled with 4 x Full Nuts & 4 x Flat Washers
Temperature Range: -40 deg C to +200 deg C
U-Bolt: Steel with Silicone Rubber Sleeve | Colour: Black
Backing Rod: Steel with PTFE Sleeve | Colour: White

Further Information:

- Designed to be used in a minimum contact water repellent situation to prevent water crevice corrosion.
- The enhanced metal base plate is convex with a PTFE tube shroud for low friction & good wearing resistance. This convex surface provides almost a point contact rather than the line contact with the traditional flat support plate. Water will roll away from the pipe and not leave it standing in a pool of water which therefore minimises corrosion.
- Excellent resistance to most chemical except for Bromine & Fluorine

Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
15	21.3	24	30	48	65	M6	20	6	1112/MATL/024
20	26.9	29	35	50	68	M6	20	6	1112/MATL/029
25	33.7	36	42	57	70	M6	20	6	1112/MATL/036
40	48.3	52	62	98	78	M10	27	7	1112/MATL/052
50	60.3	64	74	110	84	M10	27	7	1112/MATL/064
80	88.9	94	106	146	100	M12	27	8	1112/MATL/094
100	114.3	116	128	168	114	M12	27	8	1112/MATL/116
150	168.3	173	189	239	154	M16	36	9	1112/MATL/173
200	219.1	222	238	288	176	M16	36	9	1112/MATL/222
250	273	276	296	356	213	M20	43	12	1112/MATL/276
300	323.9	328	348	408	246	M20	43	12	1112/MATL/328
350	355.6	360	380	440	260	M20	43	12	1112/MATL/360
400	406.4	411	431	491	284	M20	43	12	1112/MATL/411
450	457	460	484	559	320	M24	50	13	1112/MATL/460
500	508	512	536	611	345	M24	50	13	1112/MATL/512
550	559	562	586	661	373	M24	50	13	1112/MATL/562
600	610	614	638	712	400	M24	50	13	1112/MATL/614

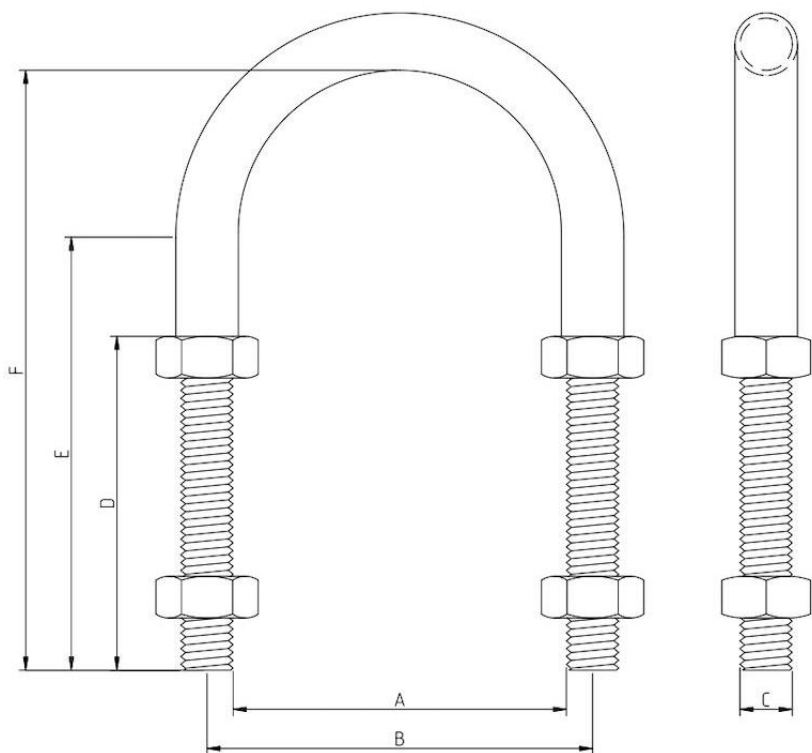
U-bolt Silicone Sleeve Properties:

- Shore Hardness (DIN 53 504 505): 60 Shore A
- Tensile Strength (DIN 53 504 504 S2): 10 N/mm²
- Elongation: 50%
- Tear B (ASTM D 624 Die B) 33 N/mm²
- Density (DIN 53 479 A): 1.16 g/cm³
- Range Temperature: -40/+200 °C

PTFE Backing Rod Sleeve Properties:

- Shore Hardness: 62 Shore D
- Tensile Strength (ASTM D 4894): 25MPa
- Elongation at Break (ASTM D 4894): 300%
- Density (ASTM D 792): 2.18 g/cm³
- Range Temperature: -200/+200 °C
- Shelf Life: Unlimited

Thin Wall Silicone Rubber Lined Non-Gripped (Guide) U-bolt
Use: Where it is undesirable to restrict longitudinal movement



Notes:

Light Pattern – Extended Leg Design
Assembled with 4 x Full Nuts

Material:

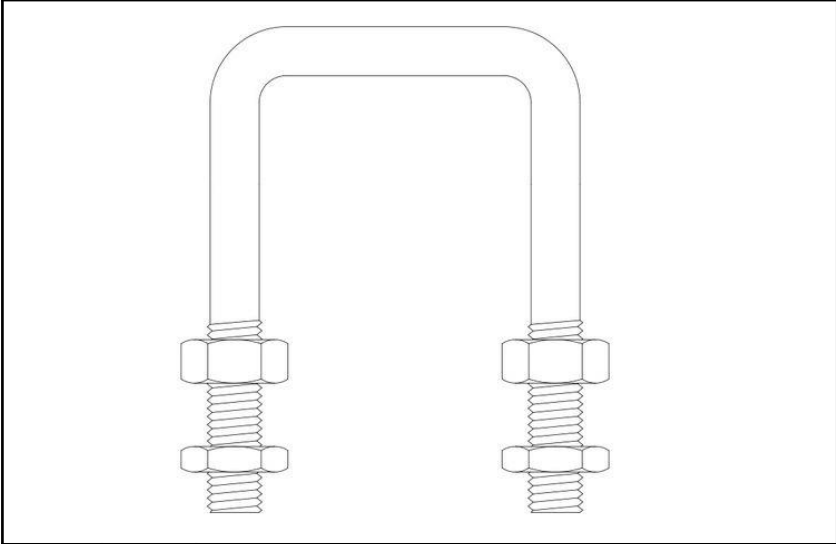
Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

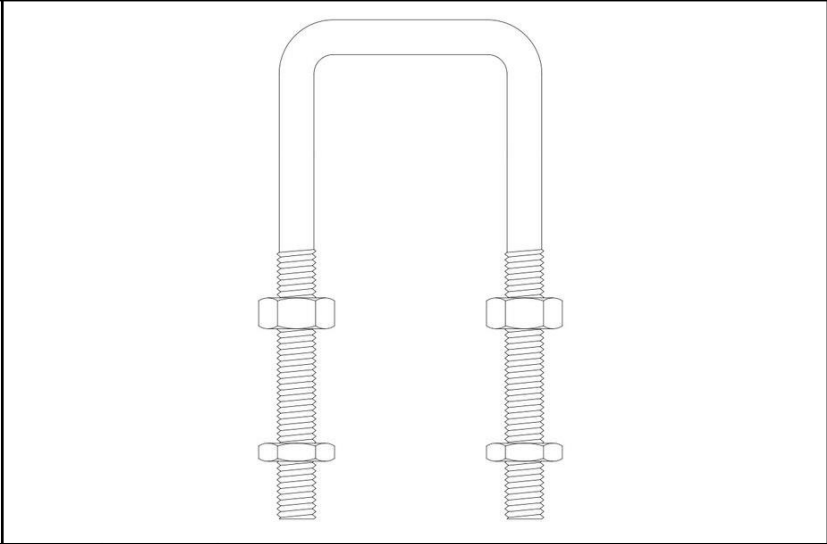
Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

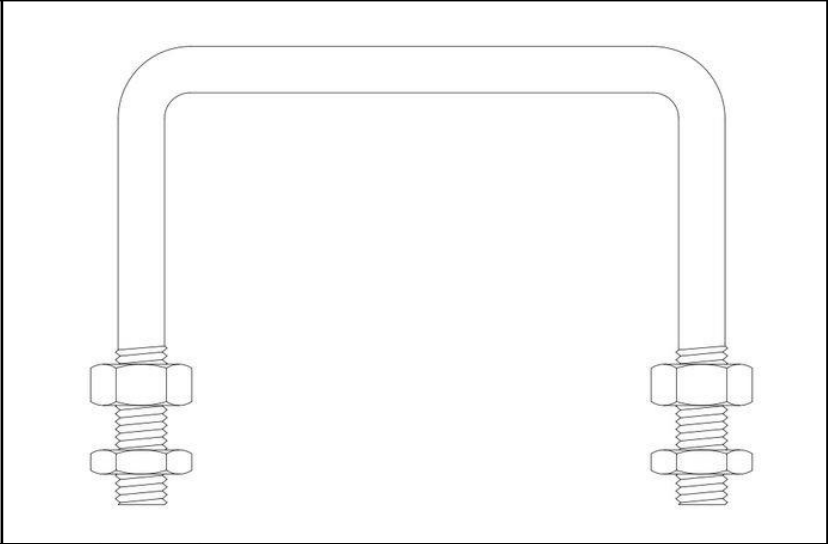
Nominal Bore	Pipe O.D.	A	B	C	D	E	F	Part No.
15	21.3	24	M6	30	60	65	77	UBOLT/MATL/M6*24*77*60+AC
20	26.9	29	M6	35	60	68	82	UBOLT/MATL/M6*29*82*60+AC
25	33.7	36	M6	42	65	70	88	UBOLT/MATL/M6*36*88*65+AC
32	42.4	44	M10	54	65	74	96	UBOLT/MATL/M10*44*96*65+AC
40	48.3	52	M10	62	65	78	104	UBOLT/MATL/M10*52*104*65+AC
50	60.3	64	M10	74	65	84	116	UBOLT/MATL/M10*64*116*65+AC
65	76.1	78	M12	90	80	92	131	UBOLT/MATL/M12*78*131*80+AC
80	88.9	94	M12	106	80	100	147	UBOLT/MATL/M12*94*147*80+AC
90	101.6	104	M12	116	80	109	161	UBOLT/MATL/M12*104*161*80+AC
100	114.3	116	M12	128	80	114	172	UBOLT/MATL/M12*116*172*80+AC
125	139.7	143	M12	155	80	128	200	UBOLT/MATL/M12*143*200*80+AC
150	168.3	173	M16	189	80	154	240	UBOLT/MATL/M16*173*240*80+AC
200	219.1	222	M16	238	100	176	287	UBOLT/MATL/M16*222*287*100+AC
225	244.5	248	M20	268	110	187	311	UBOLT/MATL/M20*248*311*110+AC
250	273	276	M20	296	110	213	351	UBOLT/MATL/M20*276*351*110+AC
300	323.9	328	M20	348	110	246	410	UBOLT/MATL/M20*328*410*110+AC
350	355.6	360	M20	380	110	260	440	UBOLT/MATL/M20*360*440*110+AC
400	406.4	411	M20	431	110	284	490	UBOLT/MATL/M20*411*490*110+AC
450	457	460	M24	484	120	320	550	UBOLT/MATL/M24*460*550*120+AC
500	508	512	M24	536	120	345	601	UBOLT/MATL/M24*512*601*120+AC
550	559	562	M24	586	120	373	654	UBOLT/MATL/M24*562*654*120+AC
600	610	614	M24	638	120	400	707	UBOLT/MATL/M24*614*707*120+AC



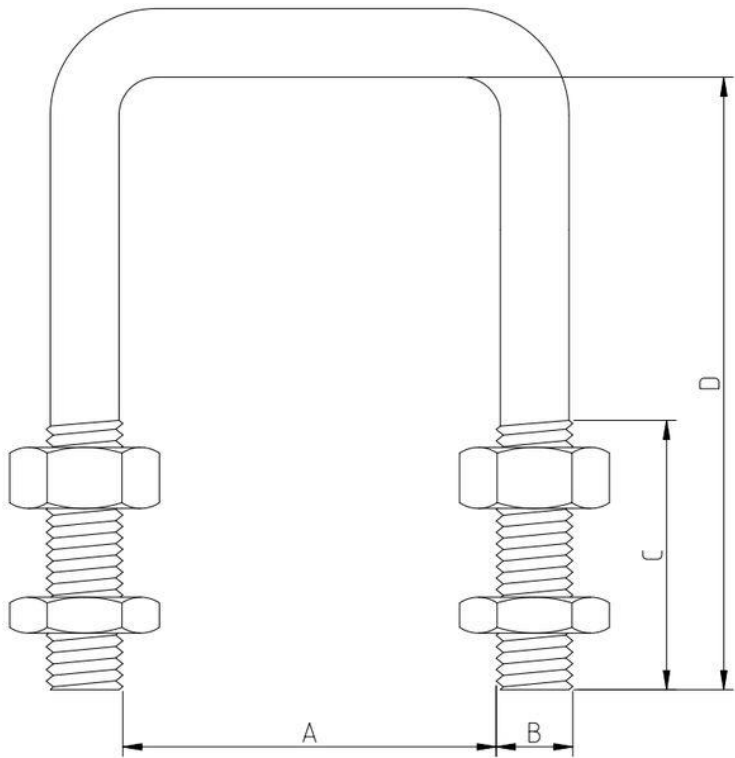
<u>1124</u>	Pg.18	Standard Leg Square C-Bolt
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<u>1125</u>	Pg.19	Extended Leg Square C-Bolt
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<u>1126</u>	Pg.20	Extended Width Square C-Bolt
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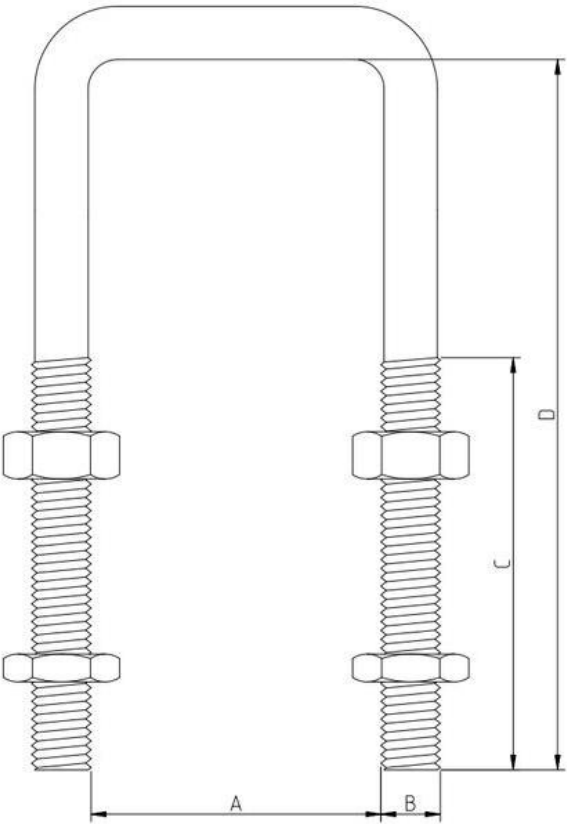


Box Section	A	B	C	D	Part No.
20*20	21	M6	18	38	CBOLT/MATL/M6*21*38*18*3
25*25	26	M6	18	43	CBOLT/MATL/M6*26*43*18*3
30*30	31	M8	24	54	CBOLT/MATL/M8*31*54*24*4
40*40	41	M10	30	70	CBOLT/MATL/M10*41*70*30*5
50*50	51	M10	30	80	CBOLT/MATL/M10*51*80*30*5
60*60	61	M10	30	90	CBOLT/MATL/M10*61*90*30*5
70*70	72	M12	36	106	CBOLT/MATL/M12*72*106*36*6
80*80	82	M12	36	116	CBOLT/MATL/M12*82*116*36*6
90*90	92	M12	36	126	CBOLT/MATL/M12*92*126*36*6
100*100	102	M12	36	136	CBOLT/MATL/M12*102*136*36*6
120*120	121	M12	36	156	CBOLT/MATL/M12*121*156*36*6
150*150	151	M12	36	186	CBOLT/MATL/M12*151*186*36*12

Notes:
Assembled with 2 x Full Nuts and 2 x Half Nuts

Material:	Surface Finish:
Carbon Steel T304 Stainless Steel T316 Stainless Steel A320 L7	Galvanised Zinc Plated Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

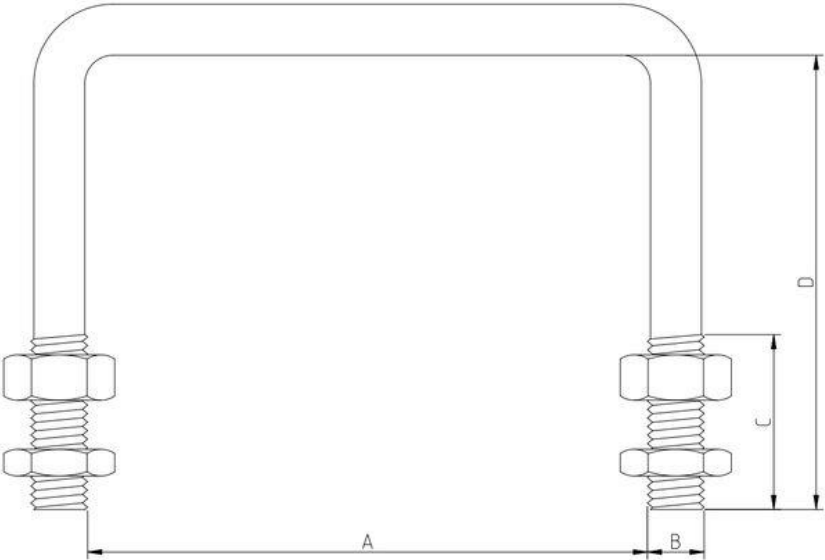


Notes:
Assembled with 2 x Full Nuts and 2 x Half Nuts

Material:	Surface Finish:
Carbon Steel T304 Stainless Steel T316 Stainless Steel A320 L7	Galvanised Zinc Plated Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

Box Section	A	B	C	D	Part No.
20*40	21	M6	38	58	CBOLT/MATL/M6*21*58*38*3
25*50	26	M6	43	68	CBOLT/MATL/M6*26*68*43*3
30*60	31	M8	54	84	CBOLT/MATL/M8*31*84*54*4
40*80	41	M10	70	110	CBOLT/MATL/M10*41*110*70*5
50*100	51	M10	80	130	CBOLT/MATL/M10*51*130*80*5
60*120	61	M10	90	150	CBOLT/MATL/M10*61*150*90*5
70*140	72	M12	106	178	CBOLT/MATL/M12*72*178*106*6
80*160	82	M12	117	198	CBOLT/MATL/M12*82*198*117*6
90*180	92	M12	126	216	CBOLT/MATL/M12*92*216*126*6
100*200	102	M12	137	238	CBOLT/MATL/M12*102*238*137*6
120*240	122	M12	156	276	CBOLT/MATL/M12*122*276*156*6
150*300	151	M12	186	338	CBOLT/MATL/M12*151*338*186*6



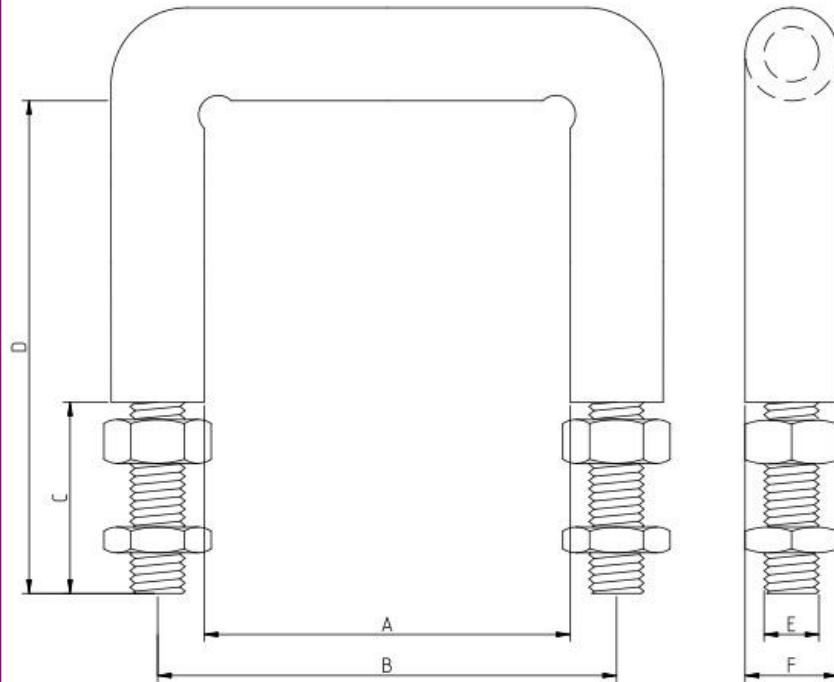
Box Section	A	B	C	D	Part No.
40*20	41	M6	18	38	CBOLT/MATL/M6*41*38*18*3
50*25	51	M6	18	43	CBOLT/MATL/M6*51*43*18*3
60*30	61	M8	24	54	CBOLT/MATL/M8*61*54*24*4
80*40	81	M10	30	70	CBOLT/MATL/M10*81*70*30*5
100*50	101	M10	30	80	CBOLT/MATL/M10*101*80*30*5
120*60	121	M10	30	90	CBOLT/MATL/M10*121*90*30*5
140*70	141	M12	36	106	CBOLT/MATL/M12*141*106*36*6
160*80	161	M12	36	116	CBOLT/MATL/M12*161*116*36*6
180*90	181	M12	36	126	CBOLT/MATL/M12*181*126*36*6
200*100	201	M16	48	148	CBOLT/MATL/M16*201*148*48*8
240*120	241	M16	48	168	CBOLT/MATL/M16*241*168*48*8
300*150	301	M16	48	198	CBOLT/MATL/M16*301*198*48*8

Notes:
Assembled with 2 x Full Nuts and 2 x Half Nuts

Material:
Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:
Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)



Graphskill SUMS: 1128/MATERIAL/E*A*D*C
E.G. 1128/T316/M8*62*90*40

Bespoke sizes available, please specify dimensions A, C, D and E.
Dimension F is standard:

Thread Size (E)	Rubber OD (F)
M6	12
M8	15
M10	17
M12	21
M16	25
M20	33
M24	36

Material	SUMS Reference
Galvanised Steel	GALV
Zinc Plated Steel	BZP
Self Colour Steel	MS
316 Stainless Steel	T316
304 Stainless Steel	T304
A320 L7 Galvanised Steel	L7GA
A320 L7 Zinc Plated Steel	L7ZP

Rubber Sleeve:

300 psi Black Air Hose (ISO2398)

Application: For general workshop use and with compressors.

Tube: Black NBR /SBR synthetic rubber.

Reinforcement: Synthetic textile.

Cover: Black, weather and ozone resistance SBR/EDPM.

Temperature range -20 / +90 C.

Notes:

Assembled with 2 x Full Nuts, 2 x Half Nuts
Temperature Range: -20 deg C to +90 deg C
Rubber: Neoprene | Colour: Black

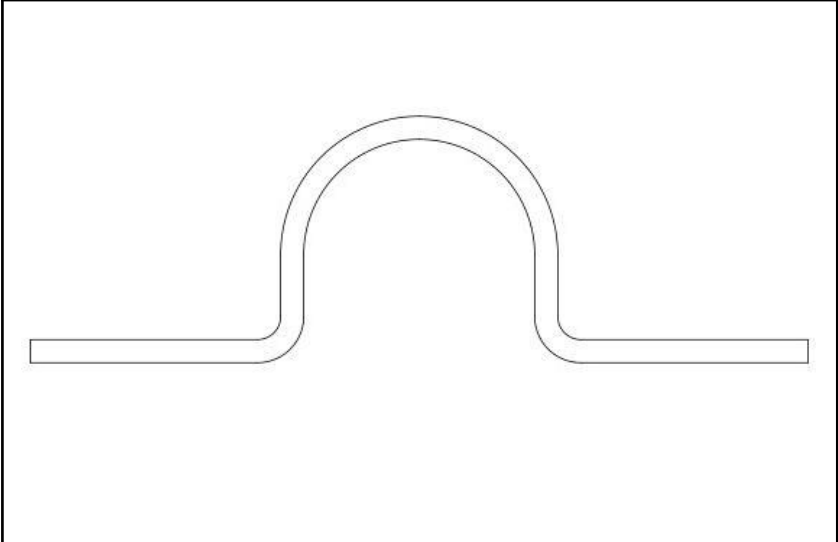
Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

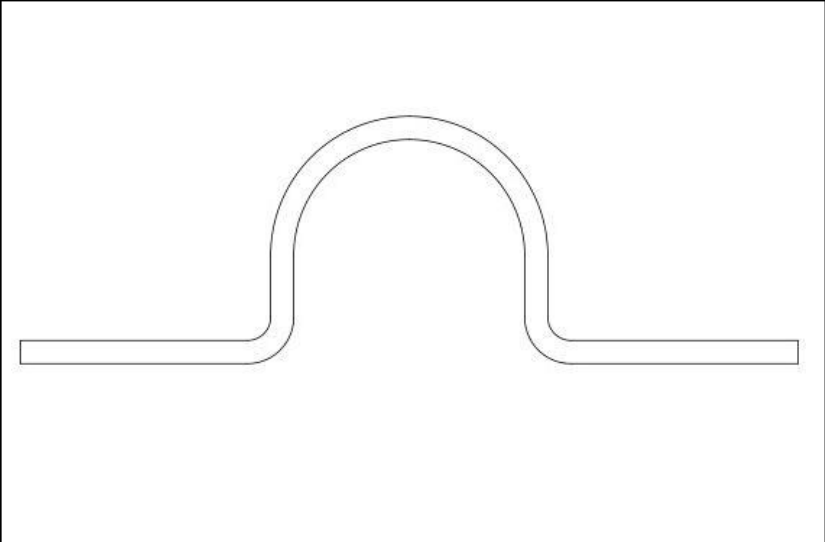
Surface Finish:

Galvanised | Zinc Plated |
Self Colour

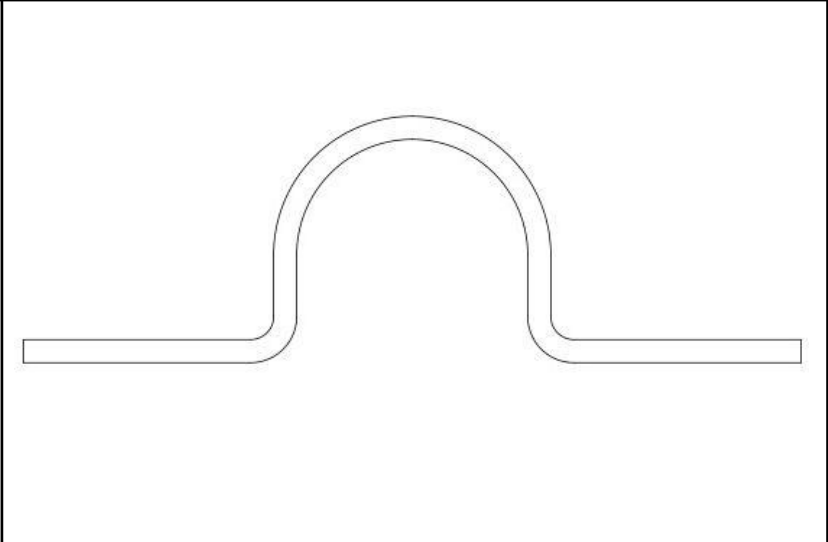
Alternative materials and other finishes are available



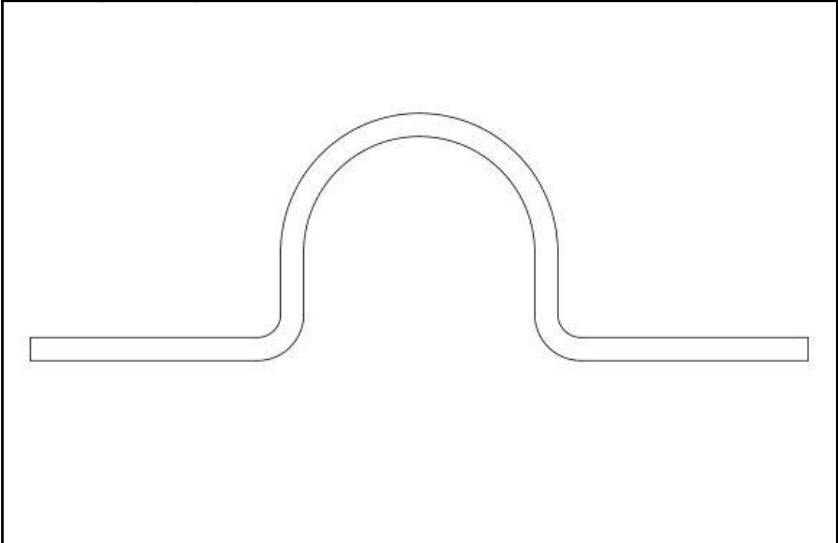
1222	Pg.22	Non-Gripped (Guide) Light Duty Saddle Clamp
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1223	Pg.23	Gripped (Anchor) Light Duty Saddle Clamp
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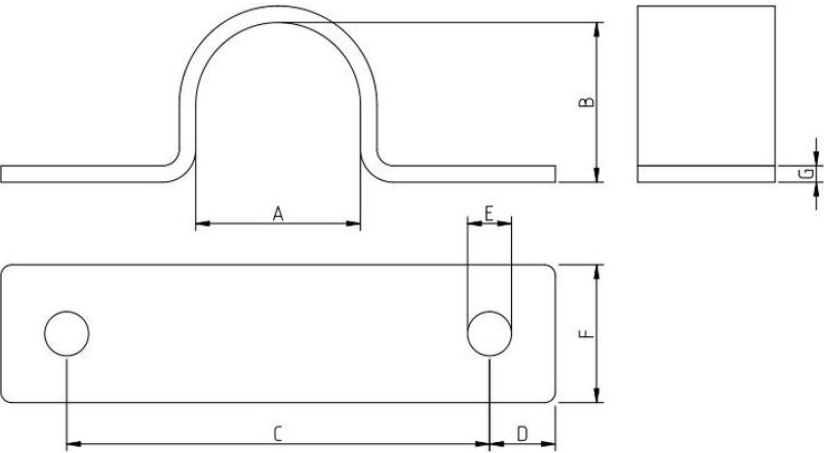


1224	Pg.24	Non-Gripped (Guide) Heavy Duty Saddle Clamp
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1225	Pg.25	Gripped (Anchor) Heavy Duty Saddle Clamp
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Non-Gripped (Guide) Light Duty Saddle Clamp
Use: Where it is undesirable to restrict longitudinal movement



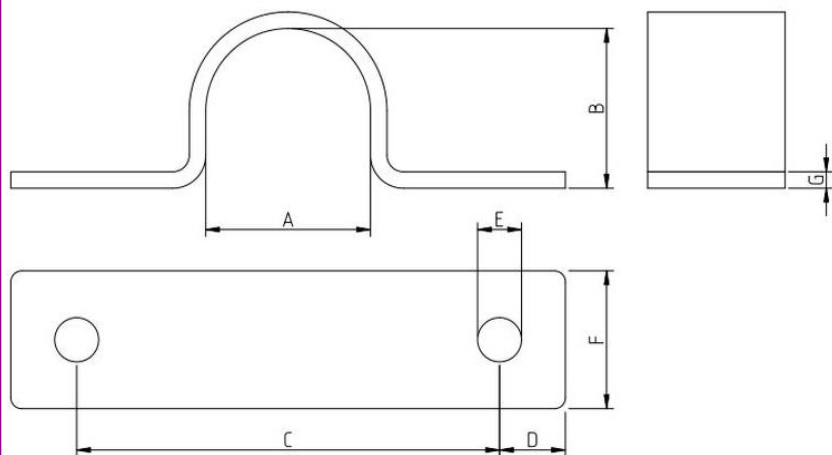
Notes:
Non-Gripped (Guide) Light Duty Saddle Clamp

Material:
Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:
Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
8	13.7	18	16	55	12	6	25	3	CLAMP/MATL/18-25*3-16-55-12-6
10	17.2	22	20	60	12	6	25	3	CLAMP/MATL/22-25*3-20-60-12-6
15	21.3	24	23	66	12	8	25	3	CLAMP/MATL/24-25*3-23-66-12-8
20	26.9	30	29	77	12	8	25	3	CLAMP/MATL/30-25*3-29-77-12-8
25	33.7	38	35	80	12	8	25	3	CLAMP/MATL/38-25*3-35-80-12-8
32	42.4	46	44	100	16	12	30	3	CLAMP/MATL/46-30*3-44-100-16-12
40	48.3	54	52	110	16	12	30	3	CLAMP/MATL/54-30*3-52-110-16-12
50	60.3	64	62	120	16	12	30	3	CLAMP/MATL/64-30*3-62-120-16-12
65	76.1	82	78	148	21	14	40	3	CLAMP/MATL/82-40*3-78-148-21-14
80	88.9	96	92	160	21	14	40	3	CLAMP/MATL/96-40*3-92-160-21-14
100	114	120	117	190	21	14	40	3	CLAMP/MATL/120-40*3-117-190-21-14
125	139.7	146	143	225	21	14	40	5	CLAMP/MATL/146-40*5-143-225-21-14
150	168.3	176	173	250	21	14	40	5	CLAMP/MATL/176-40*5-166-250-21-14
175	193.7	200	197	300	26	18	50	6	CLAMP/MATL/200-50*6-197-300-26-18
200	219.1	226	223	325	26	18	50	6	CLAMP/MATL/226-50*6-223-325-26-18
225	244.5	250	248	331	33	22	65	8	CLAMP/MATL/250-65*8-248-331-33-22
250	273	278	276	359	33	22	65	8	CLAMP/MATL/278-65*8-276-359-33-22
300	323.9	328	326	409	33	22	65	8	CLAMP/MATL/328-65*8-326-409-33-22
350	355.6	362	360	443	33	22	65	8	CLAMP/MATL/362-65*8-360-443-33-22
400	406.4	412	410	532	50	26	100	10	CLAMP/MATL/412-100*10-410-532-50-26
450	457	462	460	582	50	26	100	10	CLAMP/MATL/462-100*10-460-582-50-26
500	508	514	511	634	50	26	100	10	CLAMP/MATL/514-100*10-511-634-50-26
550	559	564	562	684	50	26	100	10	CLAMP/MATL/564-100*10-562-684-50-26
600	610	616	613	736	50	26	100	10	CLAMP/MATL/616-100*10-613-736-50-26



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
8	13.7	14	12	50	12	6	25	3	CLAMP/MATL/14-25*3-12-50-12-6
10	17.2	18	16	55	12	6	25	3	CLAMP/MATL/18-25*3-16-55-12-6
15	21.3	22	19	60	12	8	25	3	CLAMP/MATL/22-25*3-19-60-12-8
20	26.9	28	25	71	12	8	25	3	CLAMP/MATL/28-25*3-25-71-12-8
25	33.7	34	32	74	12	8	25	3	CLAMP/MATL/34-25*3-32-74-12-8
32	42.4	44	40	94	16	12	30	3	CLAMP/MATL/44-30*3-40-94-16-12
40	48.3	50	46	104	16	12	30	3	CLAMP/MATL/50-30*3-46-104-16-12
50	60.3	62	58	114	16	12	30	3	CLAMP/MATL/62-30*3-58-114-16-12
65	76.1	78	74	142	21	14	40	3	CLAMP/MATL/78-40*3-74-142-21-14
80	88.9	90	86	154	21	14	40	3	CLAMP/MATL/90-40*3-86-154-21-14
100	114	116	111	184	21	14	40	3	CLAMP/MATL/116-40*3-111-184-21-14
125	139.7	140	137	219	21	14	40	5	CLAMP/MATL/140-40*5-137-219-21-14
150	168.3	170	166	244	21	14	40	5	CLAMP/MATL/170-40*5-166-244-21-14
175	193.7	194	192	288	26	18	50	6	CLAMP/MATL/194-50*6-192-288-26-18
200	219.1	220	217	303	33	18	50	6	CLAMP/MATL/220-50*6-217-303-33-18
225	244.5	246	243	327	30	22	60	8	CLAMP/MATL/246-60*8-243-327-30-22
250	273	274	271	355	33	22	60	8	CLAMP/MATL/274-60*8-271-355-33-22
300	323.9	326	322	407	30	22	60	8	CLAMP/MATL/326-60*8-322-407-30-22
350	355.6	358	355	439	30	22	60	8	CLAMP/MATL/358-60*8-355-439-30-22
400	406.4	408	403	528	50	26	100	10	CLAMP/MATL/408-100*10-403-528-50-26
450	457	458	455	578	50	26	100	10	CLAMP/MATL/458-100*10-455-578-50-26
500	508	510	507	630	50	26	100	10	CLAMP/MATL/510-100*10-507-630-50-26
550	559	560	557	680	50	26	100	10	CLAMP/MATL/560-100*10-557-680-50-26
600	610	612	609	732	50	26	100	10	CLAMP/MATL/612-100*10-609-732-50-26

Notes:

Gripped (Anchor) Light Duty Saddle Clamp

Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

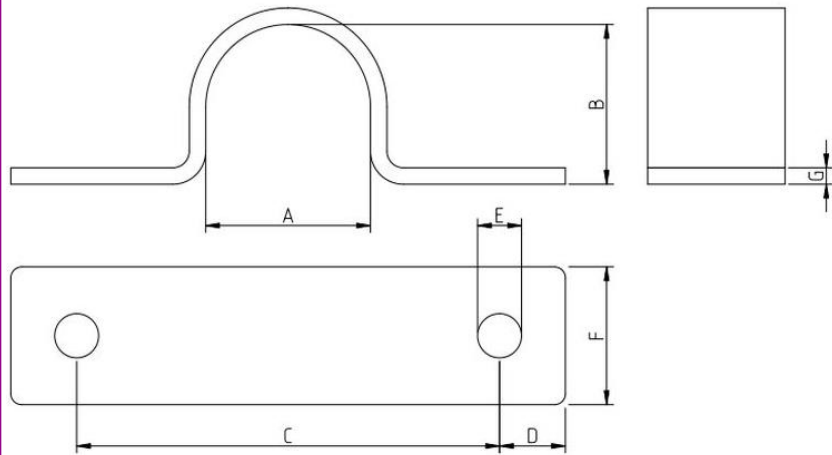
Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available

Safe Working Loads Available [Here](#)

Order Directly Online from Graphskill [Here](#)



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
15	21.3	24	23	90	15	12	40	6	CLAMP/MATL/24-40*6-23-90-15-12
20	26.9	30	29	90	15	12	40	6	CLAMP/MATL/30-40*6-29-90-15-12
25	33.7	38	36	100	20	12	40	6	CLAMP/MATL/38-40*6-36-100-20-12
32	42.4	46	45	110	20	14	40	8	CLAMP/MATL/46-40*8-45-110-20-14
40	48.3	52	51	120	20	14	40	8	CLAMP/MATL/52-40*8-51-120-20-14
50	60.3	64	63	140	30	14	40	8	CLAMP/MATL/64-40*8-63-140-30-14
65	76.1	80	78	170	42	18	50	10	CLAMP/MATL/80-50*10-78-170-42-18
80	88.9	94	92	198	38	18	50	10	CLAMP/MATL/94-50*10-92-198-38-18
100	114	120	118	216	38	18	50	10	CLAMP/MATL/120-50*10-118-216-38-18
125	139.7	146	143	280	40	26	60	15	CLAMP/MATL/146-60*15-143-280-40-26
150	168.3	174	172	310	45	26	60	15	CLAMP/MATL/174-60*15-172-310-45-26
200	219.1	226	223	360	50	26	60	15	CLAMP/MATL/226-60*15-223-360-50-26
250	273	280	277	410	45	26	150	15	CLAMP/MATL/280-150*15-277-410-45-26
300	323.9	330	327	460	45	26	150	15	CLAMP/MATL/330-150*15-327-460-45-26
350	355.6	362	359	490	45	26	150	15	CLAMP/MATL/362-150*15-359-490-45-26
400	406.4	412	410	570	45	26	200	20	CLAMP/MATL/412-200*20-410-570-45-26
450	457	464	461	620	45	26	200	20	CLAMP/MATL/464-200*20-461-620-45-26
500	508	514	511	670	45	26	200	20	CLAMP/MATL/514-200*20-511-670-45-26

Notes:

Non-Gripped (Guide) Heavy Duty Saddle Clamp

Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

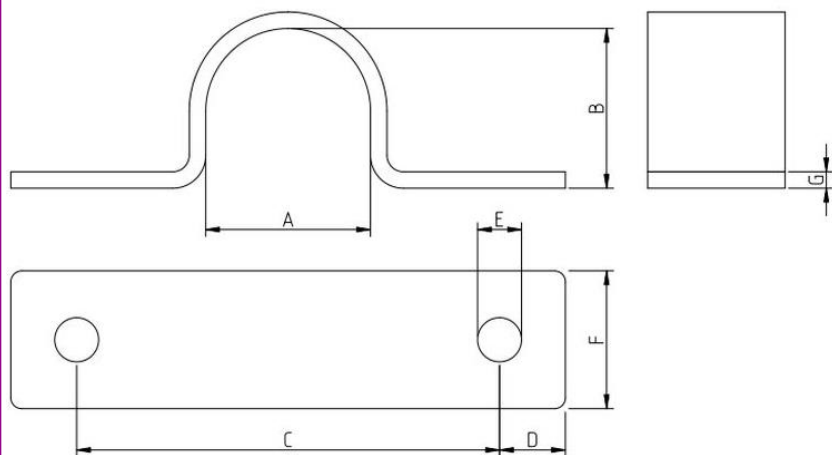
Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available

Safe Working Loads Available [Here](#)

Order Directly Online from Graphskill [Here](#)



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Part No.
15	21.3	24	20	90	15	12	40	6	CLAMP/MATL/24-40*6-20-90-15-12
20	26.9	28	25	90	15	12	40	6	CLAMP/MATL/28-40*6-25-90-15-12
25	33.7	36	33	100	20	12	40	6	CLAMP/MATL/36-40*6-33-100-20-12
32	42.4	44	41	110	25	14	40	8	CLAMP/MATL/44-40*8-41-110-25-14
40	48.3	50	47	120	20	14	40	8	CLAMP/MATL/50-40*8-47-120-20-14
50	60.3	62	59	140	30	14	40	8	CLAMP/MATL/62-40*8-59-140-30-14
65	76.1	80	75	170	42	18	50	10	CLAMP/MATL/80-50*10-75-170-42-18
80	88.9	92	87	198	38	18	50	10	CLAMP/MATL/92-50*10-87-198-38-18
100	114	118	113	216	38	18	50	10	CLAMP/MATL/118-50*10-113-216-38-18
125	139.7	144	138	280	40	26	60	15	CLAMP/MATL/144-60*15-138-280-40-26
150	168.3	172	167	310	45	26	60	15	CLAMP/MATL/172-60*15-167-310-45-26
200	219.1	224	215	360	50	26	60	15	CLAMP/MATL/224-60*15-215-360-50-26
250	273	278	269	410	45	26	150	15	CLAMP/MATL/278-150*15-269-410-45-26
300	323.9	328	319	460	45	26	150	15	CLAMP/MATL/328-150*15-319-460-45-26
350	355.6	360	350	490	45	26	150	15	CLAMP/MATL/360-150*15-350-490-45-26
400	406.4	410	402	570	45	26	200	20	CLAMP/MATL/410-200*20-402-570-45-26
450	457	462	451	620	45	26	200	20	CLAMP/MATL/462-200*20-451-620-45-26
500	508	512	501	670	45	26	200	20	CLAMP/MATL/512-200*20-501-670-45-26

Notes:
Gripped (Anchor) Heavy Duty Saddle Clamp

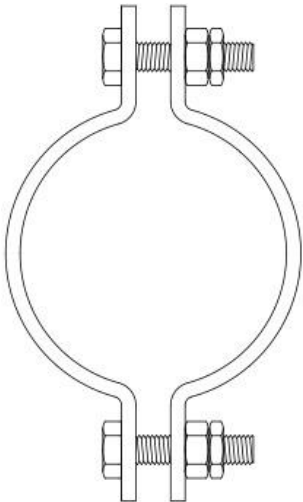
Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

Galvanised | Zinc Plated |
Self Colour

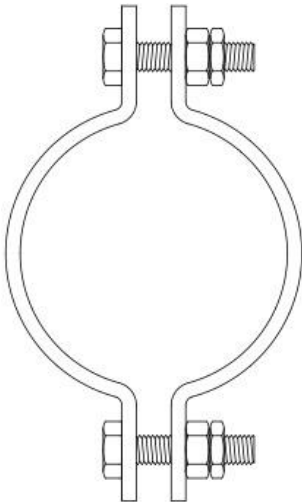
Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)



1200

Pg.27

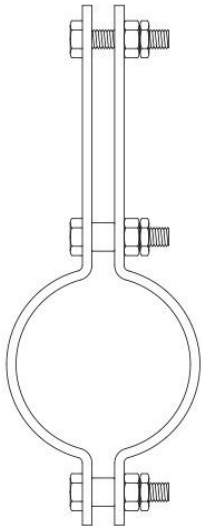
Heavy Duty 2 Bolt Pipe Clip



1201

Pg.28

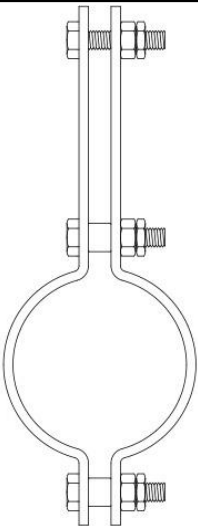
Light Duty 2 Bolt Pipe Clip



1210

Pg.29

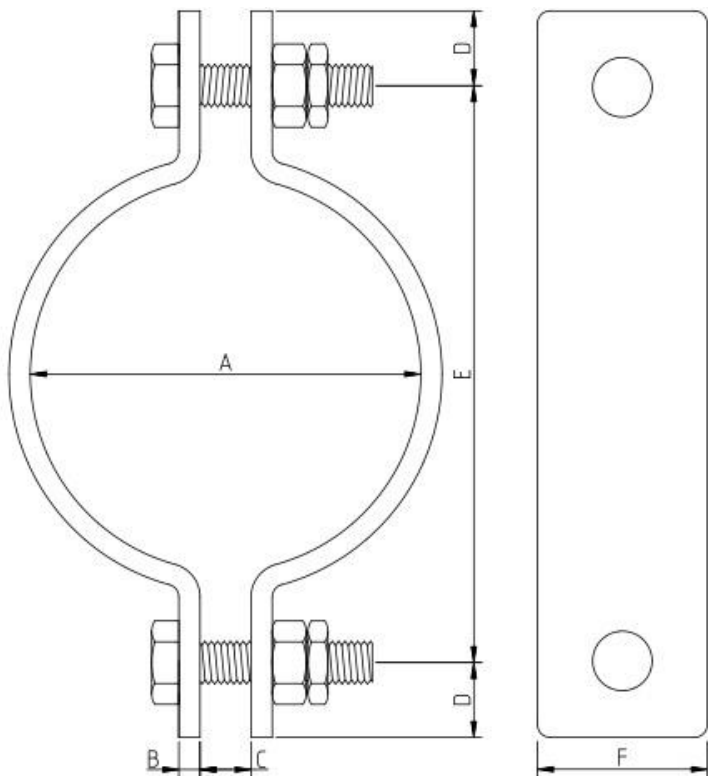
Heavy Duty 3 Bolt Pipe Clip



1211

Pg.30

Light Duty 3 Bolt Pipe Clip



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	Bolt Size	Part No.
15	21.3	23	5	10	15	65	40	M10*50	CLIPS/MATL/23-40*5-65-15-10-M10
20	26.9	28	5	10	15	70	40	M10*50	CLIPS/MATL/28-40*5-70-15-10-M10
25	33.7	36	5	10	15	75	40	M10*50	CLIPS/MATL/36-40*5-75-15-10-M10
32	42.4	44	5	12	18	90	40	M12*50	CLIPS/MATL/44-40*5-90-18-12-M12
40	48.3	50	5	12	18	95	40	M12*50	CLIPS/MATL/50-40*5-95-18-12-M12
50	60.3	62	5	12	18	105	40	M12*50	CLIPS/MATL/62-40*5-105-18-12-M12
65	76.1	80	8	16	24	155	40	M16*65	CLIPS/MATL/80-40*8-155-24-16-M16
80	88.9	92	8	16	24	165	40	M16*65	CLIPS/MATL/92-40*8-165-24-16-M16
100	114.3	118	8	16	24	190	40	M16*65	CLIPS/MATL/118-40*8-190-24-16-M16
125	139.7	144	8	16	24	215	40	M16*65	CLIPS/MATL/144-40*8-215-24-16-M16
150	168.3	172	8	16	24	245	40	M16*65	CLIPS/MATL/172-40*8-245-24-16-M16
175	193.7	198	10	16	24	280	50	M16*65	CLIPS/MATL/198-50*10-280-24-16-M16
200	219.1	224	10	16	24	305	50	M16*65	CLIPS/MATL/224-50*10-305-24-16-M16
225	244.5	248	10	20	30	340	60	M20*80	CLIPS/MATL/248-60*10-340-30-20-M20
250	273	278	10	20	30	365	60	M20*80	CLIPS/MATL/278-60*10-365-30-20-M20
300	323.9	330	15	24	36	455	50	M24*100	CLIPS/MATL/330-50*15-455-36-24-M24
350	355.6	362	15	30	45	500	50	M30*100	CLIPS/MATL/362-50*15-500-45-30-M30
400	406.4	412	20	30	45	575	65	M30*100	CLIPS/MATL/412-65*20-575-45-30-M30
450	457	464	20	36	54	635	80	M36*150	CLIPS/MATL/464-80*20-635-54-36-M36
500	508	516	25	36	54	715	90	M36*150	CLIPS/MATL/516-90*25-715-54-36-M36
550	559	566	25	36	54	765	90	M36*150	CLIPS/MATL/566-90*25-765-54-36-M36
600	610	618	25	42	63	830	110	M42*160	CLIPS/MATL/618-110*25-830-63-42-M42

Notes:

Conforms to British Standard 3974 PART 1: 1974 Fig 11A.
Assembled with 2 x Hex Bolts, 2 x Full Nuts and 2 x Half Nuts

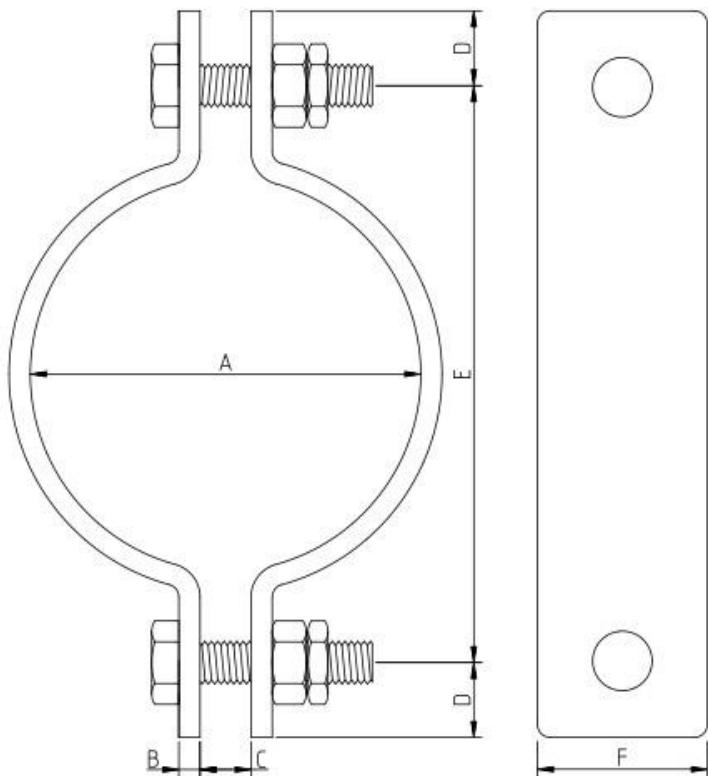
Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)



Notes:

Conforms to British Standard 3974 PART 1: 1974 Fig 11A.
Assembled with 2 x Hex Bolts, 2 x Full Nuts and 2 x Half Nuts

Material:

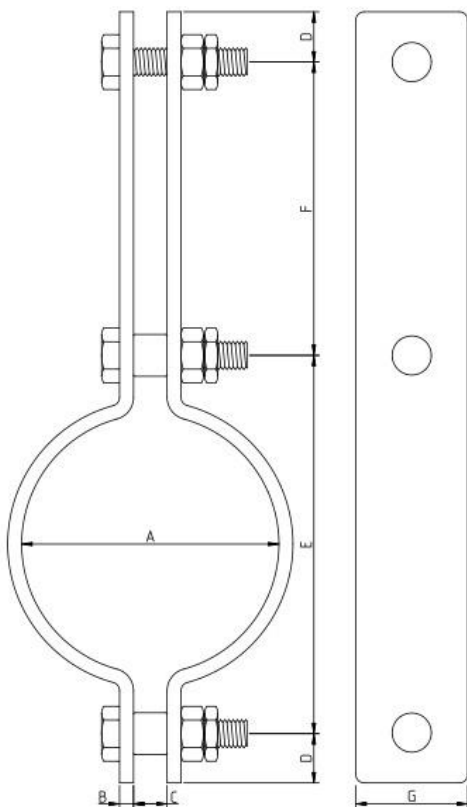
Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

Nominal Bore	Pipe O.D.	A	B	C	D	E	F	Bolt Size	Part No.
15	21.3	23	5	10	15	65	40	M10*50	CLIPS/MATL/23-40*5-65-15-10-M10
20	26.9	28	5	10	15	70	40	M10*50	CLIPS/MATL/28-40*5-70-15-10-M10
25	33.7	36	5	10	15	75	40	M10*50	CLIPS/MATL/36-40*5-75-15-10-M10
32	42.4	44	5	12	18	90	40	M12*50	CLIPS/MATL/44-40*5-90-18-12-M12
40	48.3	50	5	12	18	95	40	M12*50	CLIPS/MATL/50-40*5-95-18-12-M12
50	60.3	62	5	12	18	105	40	M12*50	CLIPS/MATL/62-40*5-105-18-12-M12
65	76.1	80	5	12	18	125	40	M12*50	CLIPS/MATL/80-40*5-125-18-12-M12
80	88.9	92	5	12	18	135	40	M12*50	CLIPS/MATL/92-40*5-135-18-12-M12
100	114.3	118	5	12	18	170	40	M12*50	CLIPS/MATL/118-40*5-170-18-12-M12
125	139.7	144	5	16	24	195	40	M16*65	CLIPS/MATL/144-40*5-195-24-16-M16
150	168.3	172	5	16	24	225	40	M16*65	CLIPS/MATL/172-40*5-225-24-16-M16
175	193.7	198	8	16	24	270	40	M16*65	CLIPS/MATL/198-40*8-270-24-16-M16
200	219.1	224	8	16	24	295	40	M16*65	CLIPS/MATL/224-40*8-295-24-16-M16
225	244.5	248	8	16	24	320	40	M16*65	CLIPS/MATL/248-40*8-320-24-16-M16
250	273	278	8	16	24	350	40	M16*65	CLIPS/MATL/278-40*8-350-24-16-M16
300	323.9	330	10	20	30	420	50	M20*80	CLIPS/MATL/330-50*10-420-30-20-M20
350	355.6	362	10	24	36	460	60	M24*100	CLIPS/MATL/362-60*10-460-36-24-M24
400	406.4	412	15	24	36	535	60	M24*100	CLIPS/MATL/412-60*15-535-36-24-M24
450	457	464	20	30	45	625	65	M30*130	CLIPS/MATL/464-65*20-625-45-30-M30
500	508	516	20	30	45	675	65	M30*130	CLIPS/MATL/516-65*20-675-45-30-M30
550	559	566	20	30	45	725	65	M30*130	CLIPS/MATL/566-65*20-725-45-30-M30
600	610	618	20	30	45	780	80	M30*130	CLIPS/MATL/618-80*20-780-45-30-M30



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Bolt Size	Part No.
15	21.3	23	5	10	15	65	70	40	M10*50	1210/MATL/015
20	26.9	28	5	10	15	70	70	40	M10*50	1210/MATL/020
25	33.7	36	5	10	15	75	70	40	M10*50	1210/MATL/025
32	42.4	44	5	12	18	90	70	40	M12*50	1210/MATL/032
40	48.3	50	5	12	18	95	85	40	M12*50	1210/MATL/040
50	60.3	62	5	12	18	105	80	40	M12*50	1210/MATL/050
65	76.1	80	8	16	24	155	90	40	M16*65	1210/MATL/065
80	88.9	92	8	16	24	16	95	40	M16*65	1210/MATL/080
100	114.3	118	8	16	24	1190	95	40	M16*65	1210/MATL/100
125	139.7	144	8	16	24	215	95	40	M16*65	1210/MATL/125
150	168.3	172	8	16	24	245	95	40	M16*65	1210/MATL/150
175	193.7	198	10	20	24	288	85	50	M20*80	1210/MATL/175
200	219.1	224	10	20	30	315	95	50	M20*80	1210/MATL/200
225	244.5	248	15	20	30	365	85	50	M20*90	1210/MATL/225
250	273	278	15	20	30	390	90	50	M20*90	1210/MATL/250
300	323.9	330	20	24	36	475	115	65	M24*110	1210/MATL/300
350	355.6	362	20	30	45	525	115	65	M30*120	1210/MATL/350
400	406.4	412	25	30	45	600	115	90	M30*130	1210/MATL/400
450	457	464	25	36	54	660	115	90	M36*150	1210/MATL/450
500	508	516	30	36	54	740	115	100	M36*160	1210/MATL/500
550	559	566	30	36	54	790	115	100	M36*160	1210/MATL/550
600	610	618	35	42	63	880	115	100	M42*175	1210/MATL/600

Notes:
Conforms to British Standard 3974 PART 1: 1974 Fig 11A.
Assembled with 3 x Hex Bolts, 3 x Full Nuts, 3 x Half Nuts & 2 x Spacers

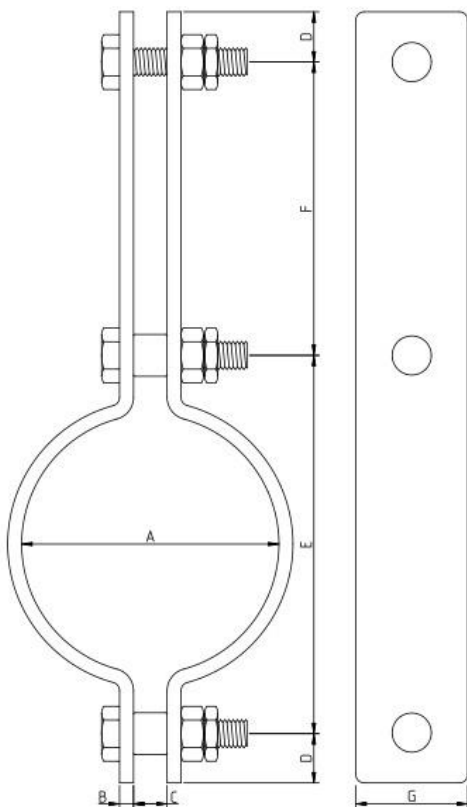
Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)



Nominal Bore	Pipe O.D.	A	B	C	D	E	F	G	Bolt Size	Part No.
15	21.3	23	5	10	15	65	70	40	M10*50	1211/MATL/015
20	26.9	28	5	10	15	70	70	40	M10*50	1211/MATL/020
25	33.7	36	5	10	15	75	70	40	M10*50	1211/MATL/025
32	42.4	44	5	12	18	90	70	40	M12*50	1211/MATL/032
40	48.3	50	5	12	18	95	85	40	M12*50	1211/MATL/040
50	60.3	62	5	12	18	125	80	40	M12*50	1211/MATL/050
65	76.1	80	5	12	18	125	105	40	M12*50	1211/MATL/065
80	88.9	92	5	12	18	135	105	40	M12*50	1211/MATL/080
100	114.3	118	5	12	18	170	105	40	M12*50	1211/MATL/100
125	139.7	144	8	16	24	215	95	40	M16*65	1211/MATL/125
150	168.3	172	8	16	24	245	95	40	M16*65	1211/MATL/150
175	193.7	198	8	16	24	270	95	40	M16*65	1211/MATL/175
200	219.1	224	8	16	24	295	100	40	M16*65	1211/MATL/200
225	244.5	248	10	16	24	330	95	50	M16*65	1211/MATL/225
250	273	278	10	16	24	360	105	50	M16*65	1211/MATL/250
300	323.9	330	15	20	30	445	115	50	M20*90	1211/MATL/300
350	355.6	362	15	24	36	485	115	50	M24*100	1211/MATL/350
400	406.4	412	20	24	36	560	115	65	M24*100	1211/MATL/400
450	457	464	20	30	45	625	115	65	M30*125	1211/MATL/450
500	508	516	25	30	45	700	115	90	M30*130	1211/MATL/500
550	559	566	25	30	45	750	115	90	M30*130	1211/MATL/550
600	610	618	25	30	45	805	115	90	M30*130	1211/MATL/600

Notes:

Conforms to British Standard 3974 PART 1: 1974 Fig 11A.
Assembled with 3 x Hex Bolts, 3 x Full Nuts, 3 x Half Nuts & 2 x Spacers

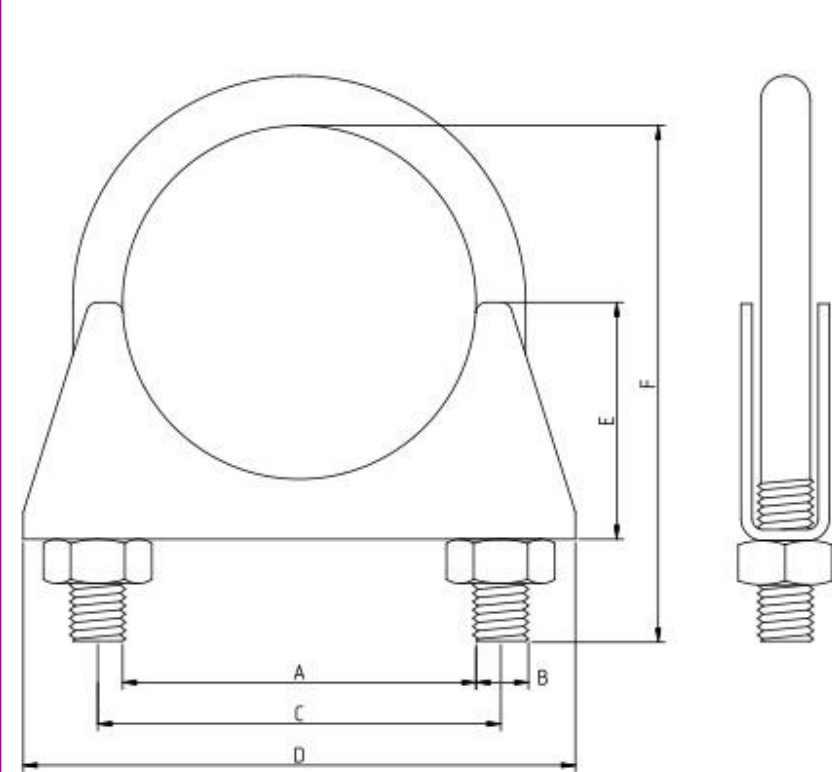
Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

Galvanised | Zinc Plated |
Self Colour

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Order Directly Online from Graphskill [Here](#)



Pipe O.D.	A	B	C	D	E	F	Part No.
26	26	M8	34	54	23	50	CLAMP/MATL/EXHAUST-M8*026
29	29	M8	37	58	24	53	CLAMP/MATL/EXHAUST-M8*029
32	32	M8	40	60	26	56	CLAMP/MATL/EXHAUST-M8*032
35	35	M8	43	64	28	59	CLAMP/MATL/EXHAUST-M8*035
38	38	M8	46	66	28	62	CLAMP/MATL/EXHAUST-M8*038
40	40	M8	48	68	30	64	CLAMP/MATL/EXHAUST-M8*040
42	42	M8	50	70	31	66	CLAMP/MATL/EXHAUST-M8*042
45	45	M8	53	74	33	70	CLAMP/MATL/EXHAUST-M8*045
48	48	M8	56	76	33	72	CLAMP/MATL/EXHAUST-M8*048
51	51	M8	59	79	35	76	CLAMP/MATL/EXHAUST-M8*051
54	54	M8	62	83	36	78	CLAMP/MATL/EXHAUST-M8*054
57	57	M8	65	85	39	81	CLAMP/MATL/EXHAUST-M8*057
60	60	M8	68	88	39	84	CLAMP/MATL/EXHAUST-M8*060
64	64	M8	72	92	41	88	CLAMP/MATL/EXHAUST-M8*064
67	67	M8	75	96	44	92	CLAMP/MATL/EXHAUST-M8*067
76	76	M8	84	104	48	100	CLAMP/MATL/EXHAUST-M8*076
90	90	M8	98	118	55	114	CLAMP/MATL/EXHAUST-M8*090
101	101	M8	109	129	60	126	CLAMP/MATL/EXHAUST-M8*101
115	115	M8	123	143	70	145	CLAMP/MATL/EXHAUST-M8*115
155	155	M8	163	183	90	185	CLAMP/MATL/EXHAUST-M8*155

Notes:

Assembled with 2 x Full Nuts | Cradle Thickness – 2mm
Heavy Duty M10 Options Available Upon Request

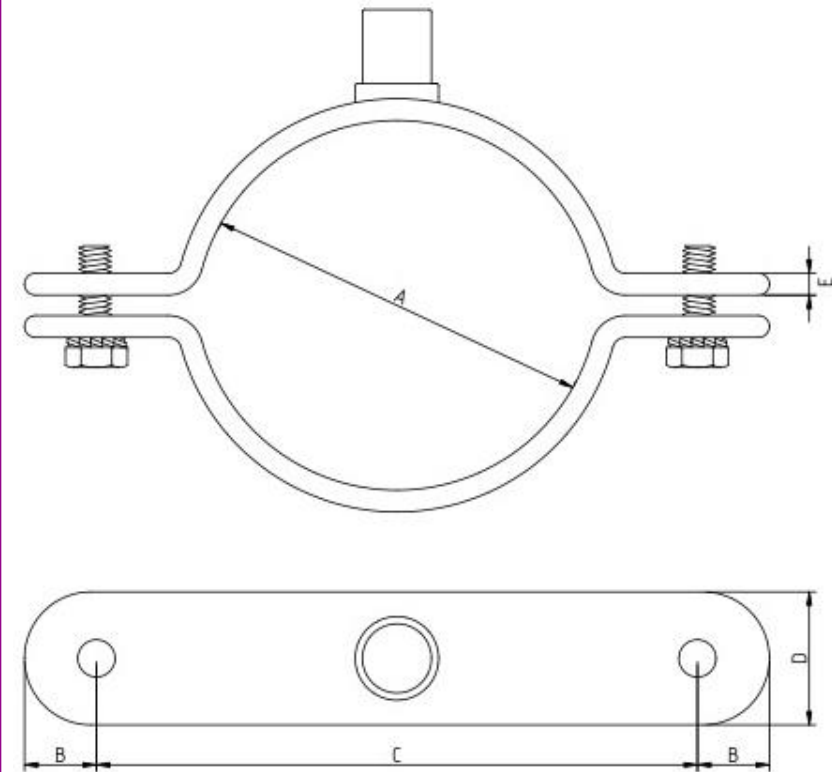
Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
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Pipe O.D.	A	B	C	D	E	Boss Size	Bolt Size	Part No.
12 - 15	15	10	42	25	3	M10	M6*16	MUNSEN/MATL/M10-15
16 - 19	19	10	46	25	3	M10	M6*16	MUNSEN/MATL/M10-19
20 - 23	23	10	50	25	3	M10	M6*16	MUNSEN/MATL/M10-23
24 - 27	27	10	54	25	3	M10	M6*16	MUNSEN/MATL/M10-27
28 - 31	31	10	58	25	3	M10	M6*16	MUNSEN/MATL/M10-31
32 - 35	35	10	62	25	3	M10	M6*16	MUNSEN/MATL/M10-35
36 - 39	39	10	66	25	3	M10	M6*16	MUNSEN/MATL/M10-39
42 - 45	45	10	72	25	3	M10	M6*16	MUNSEN/MATL/M10-45
48 - 51	51	10	78	25	3	M10	M6*16	MUNSEN/MATL/M10-51
54 - 57	57	10	84	25	3	M10	M6*16	MUNSEN/MATL/M10-57
60 - 63	63	10	90	25	3	M10	M6*16	MUNSEN/MATL/M10-63
67 - 70	70	10	97	25	3	M10	M6*16	MUNSEN/MATL/M10-70
74 - 77	77	10	104	25	3	M10	M6*16	MUNSEN/MATL/M10-77
78 - 81	81	10	108	25	3	M10	M6*16	MUNSEN/MATL/M10-81

Notes:

Assembled with 2 x Setscrews & 2 x Shakeproof Washers
Holes are Tapped for M6 Setscrew

Material:

Carbon Steel | T304 Stainless Steel |
T316 Stainless Steel | A320 L7

Surface Finish:

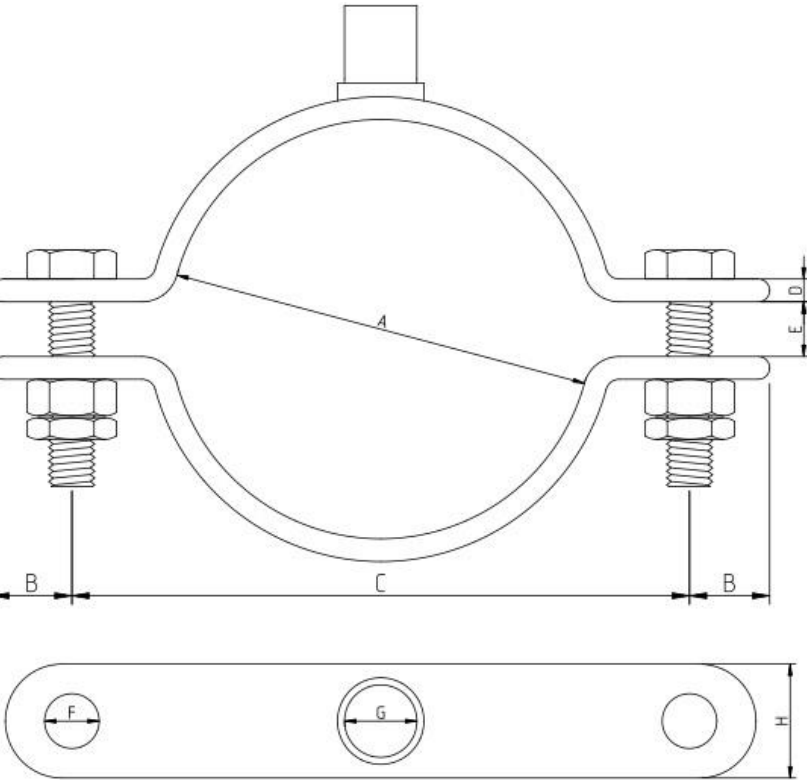
Galvanised | Zinc Plated |
Self Colour

Bespoke sizes, alternative materials and other finishes are available
Safe Working Loads Available [Here](#)
Order Directly Online from Graphskill [Here](#)

Graphskill SUMS: 1205/MATERIAL/A(OD)-THREAD SIZE
E.G. 1205/GALV/125OD-M10

Material	SUMS Reference
Galvanised Steel	GALV
Zinc Plated Steel	BZP
Self Colour Steel	MS
316 Stainless Steel	T316
304 Stainless Steel	T304

A	B	C	D	E	F	G	H	Bolt Size	Part No.
63	10	92	3	4	7	M10	20	M6*25	1205/GALV/063OD-M10
110	10	139	3	4	7	M10	20	M6*25	1205/GALV/110OD-M10
125	13	159	3	4	7	M10	20	M6*25	1205/GALV/125OD-M10



Notes:
Assembled with 2 x Setscrews, 2 x Full Nuts, 2 x Half Nuts

Material:
Carbon Steel

Surface Finish:
Galvanised

Alternative materials and other finishes are available

Thread Size	SWL (kgf)
M6	250
M8	460
M10	720
M12	1060
M16	2020
M20	3160
M24	4560
M30	7300
M36	10680

Please note that the safe working load is... Confirm with Max / Martin