Ancillary Index 1

Ancillary Index 2

Ancillary Equipment – Pictorial Index Page 1

Ancillary Equipment – Pictorial Index Page 2

Fig.	Page	Description	Pictorial
4RC	107	Rod Coupling	
4SC	108	Clevis	
4T	108	Turnbuckle	
4TF	108	Forged Turnbuckle	
6AP	109	Adjustable Pipe Support	
9WL	105	Welding Lug	

Fig.	Page	Description	Pictorial
12H	90	2 Bolt Pipe Clamp (Heavy)	
12L	90	2 Bolt Pipe Clamp (Light)	
13H	93	3 Bolt Pipe Clamp (Heavy)	
13L	93	3 Bolt Pipe Clamp (Light)	
14BL	92	Extended Pipe Clamp (Bent Legs)	
14SL	92	Extended Pipe Clamp (Straight Legs)	
15BL	92	Multiple Pipe Clamp (Bent Legs)	

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Fig.	Page	Description	Pictorial
15NL	92	Multiple Pipe Clamp (No Legs)	
15SL	92	Multiple Pipe Clamp (Straight Legs)	
16A	98	Saddle Anchor	
16S	98	Saddle Guide	
17B	104	Beam Clamp	
18B	104	Beam Clamp	
19B	104	Beam Clamp	

Fig.	Page	Description	Pictorial
20H	93	Alloy Steel 3 Bolt Pipe Clamp (Heavy)	
20L	93	Alloy Steel 3 Bolt Pipe Clamp (Light)	
51H	91	2 Bolt Pipe Clamp (Heavy) BS3974	
51L	91	2 Bolt Pipe Clamp (Light) BS3974	
57H	94	3 Bolt Pipe Clamp (Heavy) BS3974	
57L	94	3 Bolt Pipe Clamp (Light) BS3974	
58H	94/95	3 Bolt Pipe Clamp (Heavy) BS3974	

Ancillary Equipment – Pictorial Index Page 4

Fig.	Page	Description	Pictorial
58L	94/95	3 Bolt Pipe Clamp (Light) BS3974	
59	94/95	Alloy Steel 3 Bolt Pipe Clamp BS3974	
67	89	U-Bolt Non Grip (Steel Pipes) BS3974	
68	89	U-Bolt Non Grip (Cast Iron Pipes) BS3974	
69	89	U-Bolt Gripping (Steel Pipes) BS3974	
70	89	U-Bolt Gripping (Cast Iron Pipes) BS3974	
71	98	Overstrap BS3974	

Fig.	Page	Description	Pictorial
120B	104	Beam Clamp	
121	105	Bolted Beam Attachment	
122	103	Band Clamp	
123	103	Band Clamp	
124	103	Clevis Hanger	
125	115	Adjustable Beam Attachment	
126	115	Adjustable Beam Attachment (Off Centre)	

Ancillary Equipment – Pictorial Index Page 5

Fig.	Page	Description	Pictorial
127	114	Yoke Pipe Clamp Moderate	
128	114	Yoke Pipe Clamp Heavy	
129	116	Fabricated Trapeze Support	
130	116	Trapeze Beam	
131	115	Trapeze Beam	
300	96/97	4 Bolt Riser Clamp	
301	96/97	6 Bolt Riser Clamp	

Fig.	Page	Description	Pictorial
302	96/97	10 Bolt Riser Clamp	
500	110	Cast Pipe Roller	
501	110	Pipe Roller (Heavy Duty)	
510	110	Roller Support	
520	111	Roller Chair	
530	111	Adjustable Roller Chair	
540	112	Roller Chair & Guide Strap	

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Fig.	Page	Description	Pictorial
550	112	Roller Support (Heavy Duty)	
560	113	Roller Hanging Cage	
580	112	Roller Chair	
610	117	Steel Wall Bracket	
620	117	Steel Wall Bracket	
630	117	Medium Welded Steel Wall Bracket	
640	118	Heavy Welded Steel Wall Bracket	

Fig.	Page	Description	Pictorial
645	99	Sliding Support (Welded)	
646	99	Sliding Support With Guides (Welded)	
650	100	Clamped Pipe Shoe (Up to 150NB)	
660	100	Clamped Pipe Shoe (Over 150NB)	
660 I	101	Clamped Pipe Shoe (For Insulation up to 200mm)	
660 SI	101	Pipe Saddle (For Insulation up to 200mm)	
670	102	Sliding Pipe Shoe	

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Fig.	Pg	Description	Pictorial
680	102	Sliding Pipe Shoe	
690	119	Elbow Hanger	
700MR	113	Pipe Ring	
700	119	Rigid/Sliding Base Support	
701	119	Rigid/Sliding Base Support	
702	119	Base Anchor	
703	118	Pipe Chair	

Fig.	Pg	Description	Pictorial
710MR	113	Pipe Ring Plate	
720MR	113	Extended Pipe Ring	
800N	105	Welded Beam Attachment	
800U	105	Welded Beam Attachment	
805	118	Steel Square Plate	
810C	109	Hemispherical Cup	
810RW	109	Hemispherical Washer	

Ancillary Equipment – Fig. 2G & Fig. 2NG

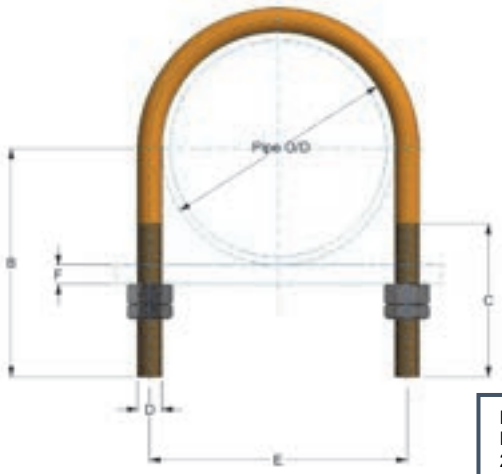


Fig. 2G
Material: Carbon Steel
2 x Full Nuts
2 x Locknuts

Please Specify:-
- Figure Number:
- Nominal Pipe Size:

Fig. 2G – Gripping U-Bolt

NPS	Pipe O/D	B	C	D	E	F	Max Load Kg
15	21.3	37	25	6	28	7	220
20	26.9	40	25	6	33	10	220
25	33.7	43	25	6	40	10	220
32	42.4	49	35	10	53	10	545
40	48.3	56	35	10	60	16	545
50	60.3	60	35	10	71	16	545
65	76.1	78	40	12	89	20	1000
80	88.9	85	40	12	102	20	1000
90	101.6	90	40	12	116	20	1000
100	114.3	97	40	12	128	20	1000
125	139.7	110	40	12	152	20	1000
150	168.3	125	40	12	182	20	1000
200	219.1	154	40	16	236	20	1635
225	244.5	173	50	20	266	20	3405
250	273	185	50	20	294	22	3405
300	323.9	210	50	20	346	22	3405
350	355.6	230	55	20	378	24	3405
400	406.4	255	55	20	429	24	3405
450	457	280	55	24	483	24	4450
500	508	305	60	24	534	24	4450
550	559	335	60	24	585	24	4450
600	610	360	60	24	636	24	4450

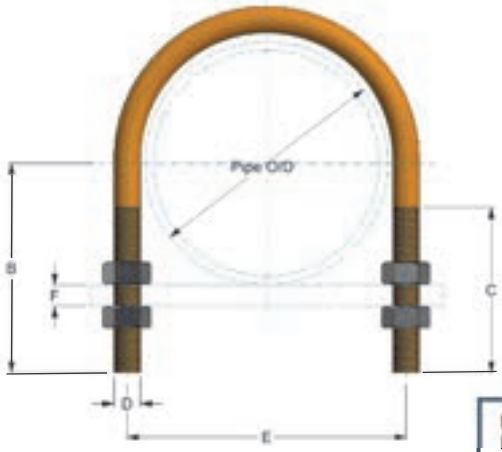


Fig. 2NG
Material: Carbon Steel
4 x Full Nuts

Please Specify:-
- Figure Number:
- Nominal Pipe Size:

Fig. 2NG – Non-Grip U-Bolt

NPS	Pipe O/D	B	C	D	E	F	Max Load Kg
15	21.3	65	60	6	30	10	220
20	26.9	68	60	6	35	10	220
25	33.7	70	65	6	42	10	220
32	42.4	74	65	10	54	10	545
40	48.3	78	65	10	62	16	545
50	60.3	84	65	10	74	16	545
65	76.1	92	80	12	90	20	1000
80	88.9	100	80	12	106	20	1000
90	101.6	109	80	12	116	20	1000
100	114.3	114	80	12	128	20	1000
125	139.7	129	80	12	155	20	1000
150	168.3	154	100	16	189	20	1635
200	219.1	176	100	16	238	20	1635
225	244.5	187	110	20	268	20	3405
250	273	213	110	20	296	22	3405
300	323.9	246	110	20	348	22	3405
350	355.6	260	110	20	380	24	3405
400	406.4	285	110	20	431	24	3405
450	457	320	120	24	484	24	4450
500	508	345	120	24	536	24	4450
550	559	373	120	24	586	24	4450
600	610	400	120	24	638	24	4450

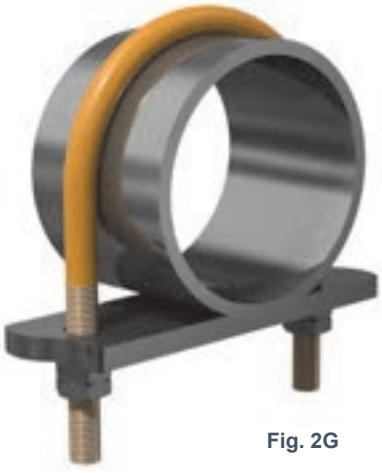


Fig. 2G

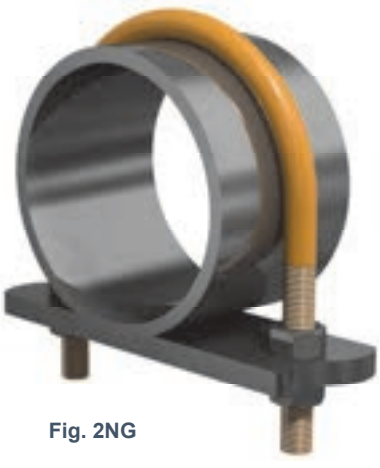


Fig. 2NG

Ancillary Equipment – Fig. 67, 68, 69 & 70 (BS3974)

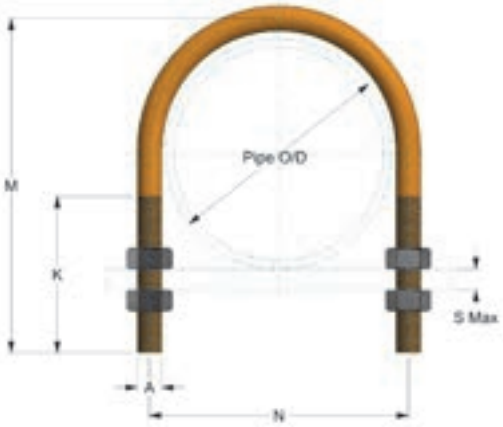


Fig. 67 – Non-Grip U-Bolt (Steel Pipes)

NPS	Pipe O/D	A	K	M	N	S (Max)
15	21.3	8	25	45	40	10
20	26.9	8	30	55	45	10
25	33.7	8	30	60	50	10
32	42.4	8	30	70	60	10
40	48.3	10	40	85	65	16
50	60.3	10	40	100	80	16
65	76.1	12	50	120	95	19
80	88.9	16	55	140	110	19
100	114.3	16	55	165	140	19
125	139.7	16	55	190	165	19
150	168.3	20	65	225	195	19
175	193.7	20	65	250	220	19
200	219.1	20	65	275	250	19
225	244.5	20	65	300	275	19
250	273	20	75	335	305	22
300	323.9	20	75	385	355	22
350	355.6	24	80	425	390	22
400	406.4	24	80	475	440	22
450	457	24	80	525	495	22
500	508	24	80	575	545	22
550	559	24	80	625	595	22
600	610	24	80	675	645	22

Fig. 68 – Non-Grip U-Bolt (Cast Iron Pipes)

NPS	Pipe O/D	A	K	M	N	S (Max)
80	98	16	55	150	120	19
*100	118	16	55	165	140	19
*150	170	20	65	225	195	19
*200	222	20	65	275	250	19
*250	274	20	75	335	305	22
*300	326	20	75	385	355	22
350	378	24	80	450	410	22
400	429	24	80	500	465	22
450	480	24	80	550	520	22
500	532	24	80	600	570	22
600	635	24	80	700	670	22
*These U-Bolts are identical to Fig. 67						

Fig. 67 & 68
Material: Carbon Steel
4 x Full Nuts

Please Specify:-
- Figure Number:
- Nominal Pipe Size:

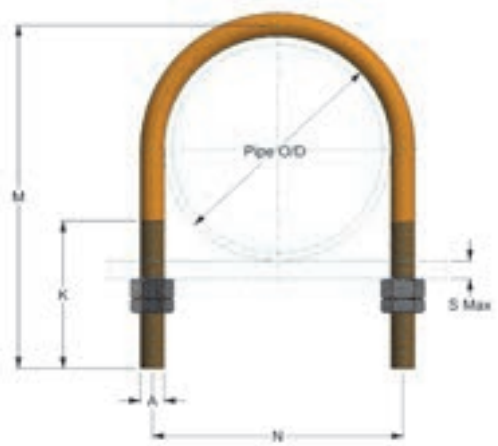


Fig. 69 – Gripping U-Bolt (Steel Pipes)

NPS	Pipe O/D	A	K	M	N	S (Max)
15	21.3	8	25	50	30	7
20	26.9	8	25	60	35	10
25	33.7	8	25	65	45	10
32	42.4	8	25	75	55	10
40	48.3	10	35	90	60	16
50	60.3	10	35	100	75	16
65	76.1	12	45	130	90	19
80	88.9	15	50	150	105	19
100	114.3	16	50	175	135	19
125	139.7	16	50	200	160	19
150	168.3	20	55	235	190	19
175	193.7	20	55	260	215	19
200	219.1	20	55	295	245	19
225	244.5	20	55	310	270	19
250	273	20	60	350	300	22
300	323.9	20	60	400	350	22
350	355.6	24	65	440	385	22
400	406.4	24	65	500	435	22
450	457	24	70	540	485	22
500	508	24	70	600	540	22
550	559	24	70	650	590	22
600	610	24	70	700	640	22

Fig. 70 – Gripping U-Bolt (Cast Iron Pipes)

NPS	Pipe O/D	A	K	M	N	S (Max)
80	98	16	50	160	115	19
*100	118	16	50	175	135	19
*150	170	20	55	235	190	19
*200	222	20	55	295	245	19
*250	274	20	60	350	300	22
*300	326	20	60	400	350	22
350	378	24	65	460	405	22
400	429	24	65	520	455	22
450	480	24	70	560	505	22
500	532	24	70	620	560	22
600	635	24	70	720	660	22
*These U-Bolts are identical to Fig. 69						

Fig. 69 & 70
Material: Carbon Steel
2 x Full Nuts
2 x Locknuts

Please Specify:-
- Figure Number:
- Nominal Pipe Size:

Fig. 67/68

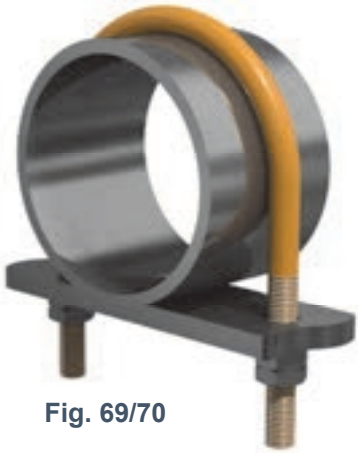


Fig. 69/70

Ancillary Equipment – Fig. 12L & Fig. 12H

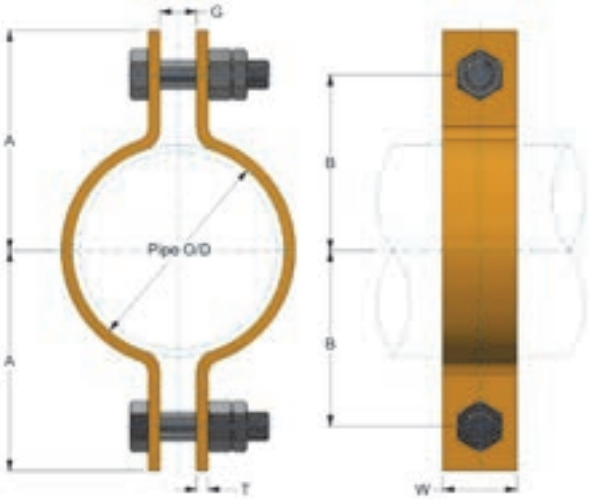


Fig. 12L – 2 Bolt Pipe Clamp (Light Series)								
NPS	Pipe O/D	Clip I/D	A	B	Bolt	G	W x T	Max load Kg 400°C
15	21.3	23	51	32	M10	12	25x3	225
20	26.9	28	51	32	M10	12	25x3	225
25	33.7	36	57	38	M10	12	25x3	225
32	42.4	44	63	44	M10	12	25x3	225
40	48.3	50	70	51	M10	12	30x6	365
50	60.3	62	76	57	M12	16	30x6	455
65	76.1	80	89	70	M12	16	30x6	455
80	88.9	92	96	76	M12	16	30x6	455
90	101.6	106	102	83	M12	16	30x6	455
100	114.3	118	119	95	M16	20	40x6	455
125	139.7	144	138	114	M16	20	40x6	455
150	168.3	172	157	127	M20	24	40x10	725
175	193.7	198	176	146	M20	24	40x10	725
200	219.1	224	189	159	M20	24	40x10	725
225	244.5	248	208	178	M20	24	40x10	725
250	273	278	226	190	M24	27	50x12	1090
300	323.9	330	252	216	M24	27	50x12	1090
350	355.6	362	271	235	M24	27	65x12	1090
400	406.4	412	296	260	M24	27	65x12	1090
450	457	464	334	298	M24	27	65x15	1360
500	508	516	360	324	M24	27	65x15	1360
550	558.8	566	402	357	M30	34	80x15	1360
600	610	618	432	387	M30	34	80x15	1360

Fig. 12H – 2 Bolt Pipe Clamp (Heavy Series)								
NPS	Pipe O/D	Clip I/D	A	B	Bolt	G	W x T	Max load Kg 400°C
40	48.3	50	70	50	M12	16	40x6	500
50	60.3	62	85	58	M12	16	40x6	500
65	76.1	80	96	70	M16	20	40x6	500
80	88.9	92	115	85	M20	24	40x6	1500
90	101.6	106	120	90	M20	24	40x6	1500
100	114.3	118	132	96	M24	27	50x10	1590
125	139.7	144	151	115	M24	27	50x10	1590
150	168.3	172	171	135	M24	27	65x12	2180
175	193.7	198	181	145	M24	27	65x12	2180
200	219.1	224	196	160	M24	27	65x12	2180
225	244.5	248	216	180	M24	27	65x12	2180
250	273	278	245	200	M30	34	65x15	2720
300	323.9	330	280	235	M30	34	80x20	3900
350	355.6	362	309	255	M36	40	90x20	4130
400	406.4	412	334	280	M36	40	90x20	4130
450	457	464	359	305	M36	40	90x20	4130
500	508	516	384	330	M36	40	90x20	4130
550	558.8	566	424	370	M36	40	90x20	4130
600	610	618	449	395	M36	40	90x20	4130
650	660.4	670	494	440	M36	40	110x25	4750
700	711.2	721	520	466	M36	40	110x25	4750
750	762	773	546	492	M36	40	110x25	4750
800	812.8	824	572	518	M36	40	110x25	4750

Fig. 12L & 12H
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Nominal Pipe Size:
- Finish:

Ancillary Equipment – Fig. 51L & Fig. 51H (BS 3974)

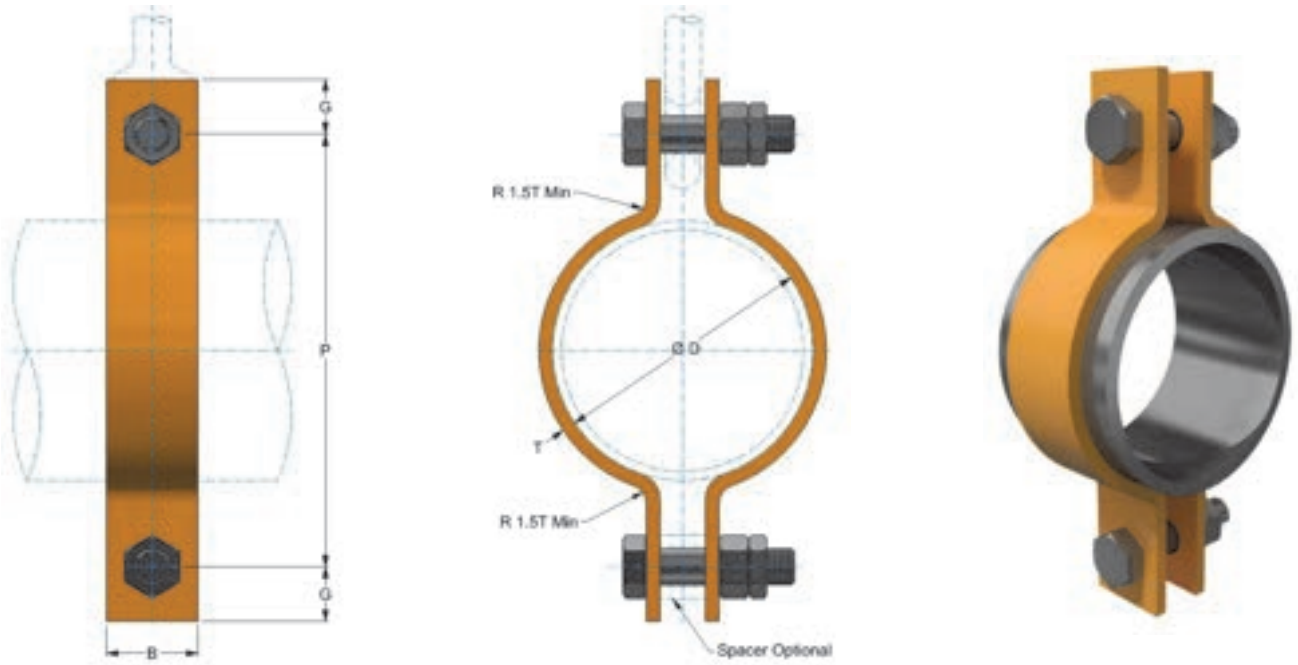


Fig.51 Dimensions of pipe clamps are for steel pipes (Range A: -20°C to 100°C

Pipe		Fig.51L - 2 Bolt Pipe Clamp (Light)								Fig.51H - 2 Bolt Pipe Clamp (Heavy)							
NPS	Pipe O/D	Sling Rod Ø	D	B x T	P	Bolt	Hole Ø	G	SWL Kg	Sling Rod Ø	D	B x T	P	Bolt	Hole Ø	G	SWL Kg
15	21.3	Use Fig.51H Heavy Series								10	23	35x5	65	M10	12	15	280
20	26.9									10	28	35x5	70	M10	12	15	280
25	33.7									10	36	35x5	75	M10	12	15	280
32	42.4									12	44	35x5	90	M12	15	18	280
40	48.3									12	50	35x5	95	M12	15	18	280
50	60.3									12	62	35x5	105	M12	15	18	280
65	76.1	12	80	35x5	125	M12	15	18	165	16	80	35x8	155	M16	19	24	450
80	88.9	12	92	35x5	135	M12	15	18	165	16	92	35x8	165	M16	19	24	450
100	114.3	12	118	35x5	170	M12	15	18	165	16	118	35x8	190	M16	19	24	450
125	139.7	16	144	35x5	195	M16	19	24	280	16	144	35x8	215	M16	19	24	450
150	168.3	16	172	35x5	225	M16	19	24	280	16	172	35x8	245	M16	19	24	450
175	193.7	16	198	35x8	270	M16	19	24	450	16	198	45x10	280	M16	19	24	900
200	219.1	16	224	35x8	295	M16	19	24	450	16	224	45x10	305	M16	19	24	900
225	244.5	16	248	35x8	320	M16	19	24	450	20	248	60x10	340	M20	24	30	1350
250	273	16	278	35x8	350	M16	19	24	450	20	278	60x10	365	M20	24	30	1350
300	323.9	20	330	45x10	420	M20	24	30	900	24	330	60x15	455	M24	28	36	1800
350	355.6	24	362	60x10	460	M24	28	36	900	30	362	60x15	500	M30	35	45	2250
400	406.4	24	412	60x15	535	M24	28	36	1350	30	412	65x20	575	M30	35	45	2700
450	457	30	464	65x20	625	M30	35	45	2250	36	464	80x20	635	M36	42	54	3600
500	508	30	516	65x20	675	M30	35	45	2250	36	516	90x25	715	M36	42	54	4500
550	559	30	566	65x20	725	M30	35	45	2250	36	566	90x25	765	M36	42	54	4500
600	610	30	618	80x20	780	M30	35	45	2700	42	618	110x25	830	M42	48	63	5900
650	660	30	665	80x20	830	M30	35	45	1400	42	665	110x25	870	M42	48	63	5700
700	711	30	716	80x20	880	M30	35	45	1300	42	716	100x30	950	M42	48	63	6800
750	762	30	765	80x20	930	M30	35	45	1200	42	765	100x30	1000	M42	48	63	6500
800	813	30	816	90x25	1020	M30	35	45	2000	42	816	100x35	1080	M42	48	63	8200
850	864	30	868	90x25	1070	M30	35	45	1900	42	868	100x35	1130	M42	48	63	8000
900	914	30	918	90x25	1120	M30	35	45	1800	42	918	120x35	1180	M42	48	63	9200
1000	1016	36	1020	100x30	1250	M36	42	54	2600	42	1020	100x40	1300	M42	48	63	9400

Fig. 51L & 51H
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Nominal Pipe Size:
- Finish:

Ancillary Equipment – Fig. 14BL, 14SL, 15BL, 15SL & 15NL

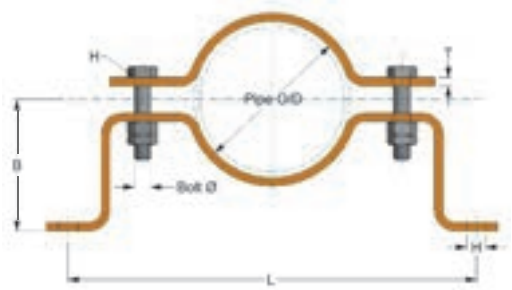


Fig. 14BL – Extended Pipe Clamp							
NPS	Pipe O/D	Clamp I/D	B	Bolt Ø	H	L	Steel Size
20	26.9	28	65	M10	12	185	25x6
25	33.7	36	65	M10	12	190	30x6
32	42.4	44	70	M10	12	200	30x6
40	48.3	50	75	M10	12	210	30x6
50	60.3	62	80	M12	14	230	40x6
65	76.1	80	85	M12	14	265	40x6
80	88.9	92	95	M12	14	280	40x6
90	101.6	106	100	M12	14	295	40x6
100	114.3	118	105	M12	14	315	40x6
125	139.7	144	120	M12	14	350	40x6
150	168.3	172	135	M16	18	420	50x10
200	219.1	224	160	M16	18	475	50x10

Fig. 14BL
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Nominal Pipe Size:
- Non Standard (B):
- Finish:

Standard clearance of 50mm from back of pipe to wall or floor.

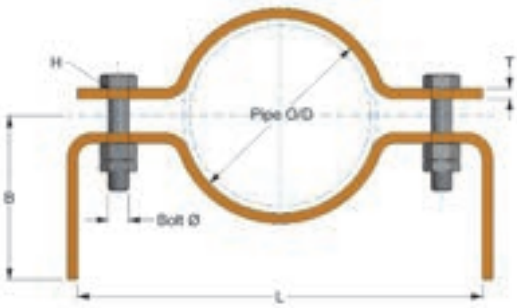
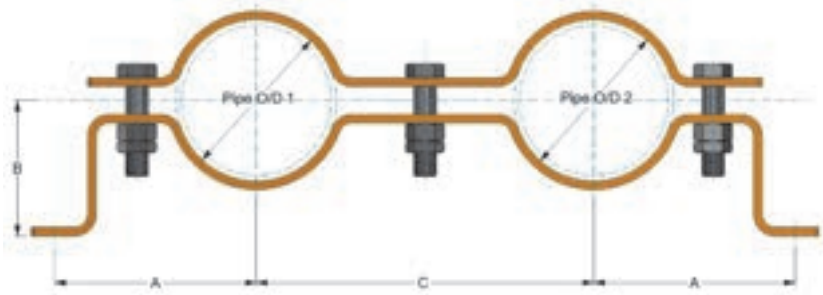


Fig. 14SL – Extended Pipe Clamp							
NPS	Pipe O/D	Clamp I/D	B	Bolt Ø	H	L	Steel Size
20	26.9	28	65	M10	12	115	25x6
25	33.7	36	65	M10	12	125	30x6
32	42.4	44	70	M10	12	130	30x6
40	48.3	50	75	M10	12	135	30x6
50	60.3	62	80	M12	14	158	40x6
65	76.1	80	85	M12	14	190	40x6
80	88.9	92	95	M12	14	206	40x6
90	101.6	106	100	M12	14	219	40x6
100	114.3	118	105	M12	14	241	40x6
125	139.7	144	120	M12	14	273	40x6
150	168.3	172	135	M16	18	330	50x10
200	219.1	224	160	M16	18	380	50x10

Fig. 14SL
Material: Carbon Steel

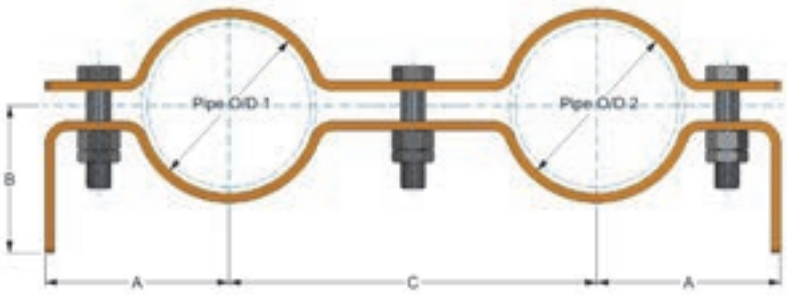
Please Specify:-
- Figure Number:
- Nominal Pipe Size:
- Non Standard (B):
- Finish:



One bolt is supplied between centres of clamps. When centres are extended two bolts are required.

Fig. 15BL
Material: Carbon Steel

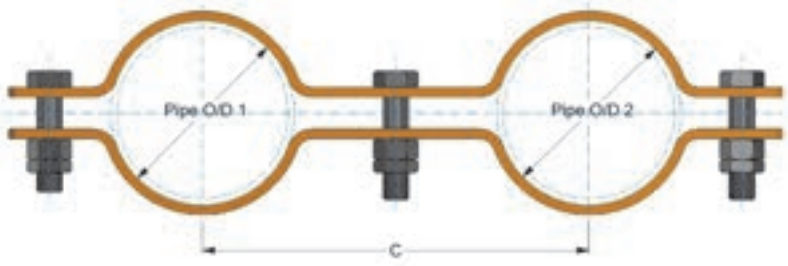
Please Specify:-
- Figure Number:
- Pipe O/D 1 & 2:
- Dimension C:
- Length (A):
- Height (B):
- Finish:



One bolt is supplied between centres of clamps. When centres are extended two bolts are required.

Fig. 15SL
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Pipe O/D 1 & 2:
- Dimension C:
- Length (A):
- Height (B):
- Finish:



One bolt is supplied between centres of clamps. When centres are extended two bolts are required.

Fig. 15NL
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Pipe O/D 1 & 2:
- Dimension C:
- Finish:

Ancillary Equipment – Fig. 13L & 13H (Carbon Steel up to 400°C) and 20L & 20H (Alloy Steel 400°C to 570°C)

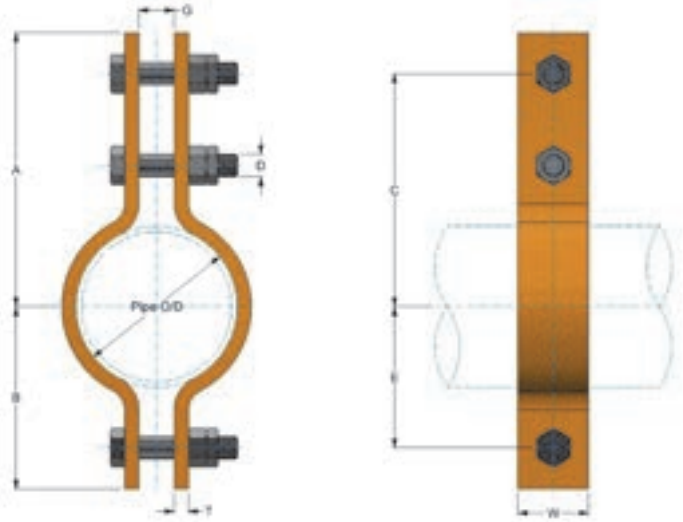


Fig. 13H & 20H – 3 Bolt Pipe Clamp (Heavy Series)								
NPS	Pipe O/D	A	B	D	C	E	G	W x T
150	168.3	279	193	M30	229	143	44	100x12
175	193.7	291	208	M30	241	158	44	110x12
200	219.1	305	223	M30	254	172	44	110x12
225	244.5	359	258	M36	305	198	51	100x20
250	273	359	268	M36	305	214	51	100x20
300	323.9	384	294	M36	330	240	51	100x20
350	355.6	419	325	M42	356	262	57	110x20
400	406.4	444	355	M42	381	292	57	110x25
450	457	469	380	M42	406	317	57	110x25
500	508	521	417	M42	457	353	57	130x25
550	558.8	559	469	M42	483	393	57	150x30
600	610	584	494	M42	508	418	57	150x30
650	660.4	657	519	M42	581	443	57	150x30
700	711.2	686	548	M42	610	472	57	150x30
750	762	711	573	M42	635	497	57	150x30
800	812.8	737	601	M42	661	525	57	150x30
900	914.4	787	651	M42	711	575	57	150x30

Fig. 13L & 20L – 3 Bolt Pipe Clamp (Light Series)								
NPS	Pipe O/D	A	B	D	C	E	G	W x T
15	21.3	110	50	M12	92	32	12	30x6
20	26.9	113	56	M12	95	38	12	30x6
25	33.7	115	62	M12	97	44	12	30x6
32	42.4	120	64	M12	102	46	12	30x6
40	48.3	120	68	M12	102	49	25	30x6
50	60.3	149	76	M12	127	54	25	30x6
65	76.1	162	89	M12	140	67	25	45x8
80	88.9	175	99	M12	152	76	25	45x8
90	101.6	181	104	M12	159	82	25	45x8
100	114.3	194	129	M16	165	100	25	50x10
125	139.7	206	142	M16	178	114	25	50x10
150	168.3	254	173	M20	216	135	38	65x10
175	193.7	268	188	M20	230	150	38	65x10
200	219.1	279	201	M20	241	163	38	65x10
225	244.5	303	218	M20	265	180	38	65x12
250	273	317	230	M20	279	192	38	65x12
300	323.9	343	258	M20	305	220	38	65x12
350	355.6	378	291	M24	330	243	51	80x15
400	406.4	403	320	M24	356	273	51	80x15
450	457.2	429	348	M24	381	300	51	80x15
500	508	457	380	M24	406	329	51	80x20
550	558.8	489	422	M24	432	365	51	100x20
600	610	514	447	M24	457	390	51	100x20
650	660.4	622	494	M30	559	431	51	130x25
700	711.2	648	520	M30	585	457	51	130x25
750	762	673	545	M30	610	482	51	130x25
800	812.8	710	571	M30	647	508	51	130x25
900	914.4	762	623	M30	699	560	51	130x25

Fig.13L & 13H up to 400°C

SWL Kg			Material: Carbon Steel				Material: Alloy Steel					
Temperature			340°C		400°C		510°C		538°C		566°C	
NPS	Pipe O/D	Clip I/D	Figure No				Figure No					
			13L	13H	13L	13H	20L	20H	20L	20H	20L	20H
15	21.3	23	250		250		210		210		210	
20	26.9	28	250		250		210		210		210	
25	33.7	36	250		250		210		210		210	
32	42.4	44	250		250		210		210		210	
40	48.3	50	680		635		635		455		315	
50	60.3	62	680		635		635		455		315	
65	76.1	80	680		635		635		455		315	
80	88.9	92	680		635		635		455		315	
90	101.6	106	680		635		635		455		315	
100	114.3	118	1135		1000		1045		725		500	
125	139.7	144	1135		1000		1045		725		500	
150	168.3	172	1270	3630	1135	3220	1180	3310	815	2360	590	1680
175	193.7	198	1270	3630	1135	3220	1180	3310	815	2360	590	1680
200	219.1	224	1270	3630	1135	3220	1180	3310	815	2360	590	1680
225	244.5	248	1450	4990	1315	4445	1360	4535	950	3265	680	2270
250	273	278	1450	4990	1315	4445	1360	4535	950	3265	680	2270
300	323.9	330	1450	4990	1315	4445	1360	4535	950	3265	680	2270
350	355.6	362	1950	5760	1725	5125	1770	5260	1270	3765	910	2270
400	406.4	412	1950	5760	1725	5125	1770	5260	1270	3765	910	2270
450	457	464	1950	5760	1725	5125	1770	5260	1270	3765	910	2270
500	508	516	2495	6805	2220	6805	2270	6185	1450	4810	1135	3400
550	558.8	566	2720	6805	2405	6805	2495	6185	1590	5900	1225	4080
600	610	618	2720	6805	2405	6805	2495	6185	1590	5900	1225	4080
650	660.4	670	3630	6805	3175	6805	3265	6185	2085	5900	1590	4080
700	711.2	721	3630	6805	3175	6805	3265	6185	2085	5900	1590	4080
750	762	773	3630	6805	3175	6805	3265	6185	2085	5900	1590	4080
800	812.8	824	3630	6805	3175	6805	3265	6185	2085	5900	1590	4080
900	914.4	926	3630	6805	3175	6805	3265	6185	2085	5900	1590	4080

Fig. 13L, 13H, 20L & 20H
Material: 13L/H Carbon Steel
Material: 20L/H Alloy Steel

Please Specify:-

- Figure Number:
- Nominal Pipe Size:
- Finish:

Ancillary Equipment – Fig. 57L/H, Fig. 58L/H & Fig. 59 (BS 3974)

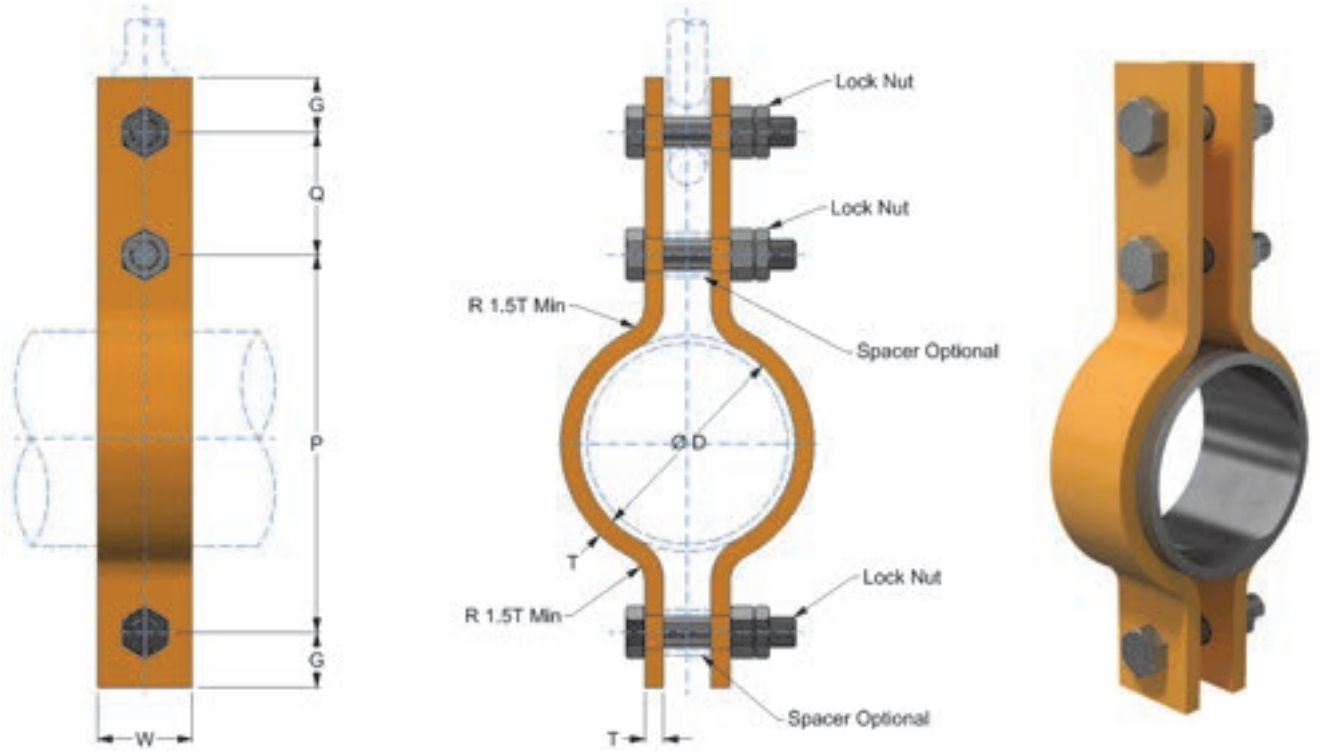


Fig.57 Dimensions of pipe clamps are for steel pipes (Range B: -20°C to 400°C)

Pipe		Fig.57L - 3 Bolt Pipe Clamp (Light)									Fig.57H - 3 Bolt Pipe Clamp (Heavy)								
NPS	Pipe O/D	Bolt	Hole Ø	D	G	P	Q	Sling Rod Ø	W x T	SWL Kg	Bolt	Hole Ø	D	G	P	Q	Sling Rod Ø	W x T	SWL Kg
15	21.3	Use Heavy Series									M10	12	23	15	65	70	10	35x5	280
20	26.9										M10	12	28	15	70	70	10	35x5	280
25	33.7										M10	12	36	15	75	70	10	35x5	280
32	42.4										M12	15	44	18	90	70	12	35x5	280
40	48.3										M12	15	50	18	95	85	12	35x5	280
50	60.3										M12	15	62	18	105	80	12	35x5	280
65	76.1	M12	15	80	18	125	105	12	35x5	165	M16	19	80	24	155	90	16	35x8	450
80	88.9	M12	15	92	18	135	105	12	35x5	165	M16	19	92	24	165	95	16	35x8	450
100	114.3	M12	15	118	18	170	105	12	35x5	165	M16	19	118	24	190	95	16	35x8	450
125	139.7	M16	19	144	24	215	95	16	35x8	280	M16	19	144	24	215	95	16	35x8	450
150	168.3	M16	19	172	24	245	95	16	35x8	280	M16	19	172	24	245	95	16	35x8	450
175	193.7	M16	19	198	24	270	95	16	35x8	280	M20	24	198	30	288	85	20	45x10	900
200	219.1	M16	19	224	24	295	100	16	35x8	280	M20	24	224	30	315	95	20	45x10	900
225	244.5	M16	19	248	24	330	95	16	45x10	450	M20	24	248	30	365	85	20	60x15	1350
250	273	M16	19	278	24	360	105	16	45x10	450	M20	24	278	30	390	90	20	60x15	1350
300	323.9	M20	24	330	30	445	115	20	60x15	900	M24	28	330	36	475	115	24	65x20	1800
350	355.6	M24	28	362	36	485	115	24	60x15	900	M30	35	362	45	525	115	30	65x20	2250
400	406.4	M24	28	412	36	560	115	24	65x20	1350	M30	35	412	45	600	115	30	90x25	2700
450	457	M30	35	464	45	625	115	30	65x20	1800	M36	42	464	54	660	115	36	90x25	3600
500	508	M30	35	516	45	700	115	30	90x25	2700	M36	42	516	54	740	115	36	100x30	4500
550	559	M30	35	566	45	750	115	30	90x25	2700	M36	42	566	54	790	115	36	100x30	4500
600	610	M30	35	618	45	805	115	30	90x25	2700	M42	48	618	63	880	115	42	100x35	5900

Fig. 57L & 57H
Material: High Temp. Carbon Steel

Please Specify:-
- Figure Number:
- Nominal Pipe Size:
- Finish:

Ancillary Equipment – Fig. 58L, 58H & 59 (BS 3974)

Fig.58 Dimensions of pipe clamps are for steel pipes (Range C: 400°C to 470°C)

Pipe		Fig.58L - 3 Bolt Pipe Clamp (Light)									Fig.58H - 3 Bolt Pipe Clamp (Heavy)								
NPS	Pipe O/D	Bolt	Hole Ø	D	G	P	Q	Sling Rod Ø	W x T	SWL Kg	Bolt	Hole Ø	D	G	P	Q	Sling Rod Ø	W x T	SWL Kg
15	21.3	Use Heavy Series									M10	12	23	15	65	70	10	35x5	280
20	26.9										M10	12	28	15	70	70	10	35x5	280
25	33.7	M10	12	36	15	75	70	10	35x5	90	M10	12	36	15	95	60	10	35x8	280
32	42.4	M12	15	44	15	90	70	12	35x5	90	M12	15	44	18	110	60	12	35x8	280
40	48.3	M12	15	50	15	95	85	12	35x5	90	M12	15	50	18	115	75	12	35x8	280
50	60.3	M12	15	62	15	105	80	12	35x5	90	M12	15	62	18	125	70	12	35x8	280
65	76.1	M12	15	80	18	145	95	12	35x8	165	M16	19	80	24	155	90	16	35x8	450
80	88.9	M12	15	92	18	155	95	12	35x8	165	M16	19	92	24	165	95	16	35x8	450
100	114.3	M12	15	118	18	190	95	12	35x8	165	M16	19	118	24	200	90	16	45x10	450
125	139.7	M16	19	144	24	225	90	16	45x10	280	M16	19	144	24	225	90	16	45x10	450
150	168.3	M16	19	172	24	255	90	16	45x10	280	M16	19	172	24	255	90	16	45x10	450
175	193.7	M16	19	198	24	280	90	16	45x10	280	M20	24	198	30	315	75	20	60x15	900
200	219.1	M16	19	224	24	305	100	16	45x10	280	M20	24	224	30	340	80	20	60x15	900
225	244.5	M16	19	248	24	350	85	16	60x15	450	M20	24	248	30	390	70	20	65x20	1350
250	273	M16	19	278	24	385	95	16	60x15	450	M20	24	278	30	415	80	20	65x20	1350
300	323.9	M20	24	330	30	470	115	20	65x20	900	M24	28	330	36	505	115	24	90x25	1800
350	355.6	M24	28	362	36	510	115	24	65x20	900	M30	35	362	45	550	115	30	110x25	2250
400	406.4	M24	28	412	36	585	115	24	90x25	1350	M30	35	412	45	625	115	30	120x30	2700
450	457	M30	35	464	45	650	115	30	110x25	1800	M36	42	464	54	710	115	36	120x35	3600
500	508	M30	35	516	45	725	115	30	120x30	2250	M36	42	516	54	815	115	36	110x45	4500
550	559	M30	35	566	45	775	115	30	120x30	2250	M36	42	566	54	865	115	36	110x45	4500
600	610	M30	35	618	45	855	115	30	120x35	2700	M42	48	618	63	955	115	42	130x50	5900

Fig.59 Dimensions of pipe clamps are for alloy steel pipes (Range D: 20°C to 570°C)

Pipe		Fig.59 - 3 Bolt Pipe Clamp										
NPS	Pipe O/D	Bolt	Hole Ø	D	G	P	Q	Sling Rod Ø	W x T Sub Ranges		SWL Kg	
									D1	D2 & D3	D1 & D2	D3
15	21.3	M12	15	23	18	85	65	12	40x6	60x6	450	375
20	26.9	M12	15	28	18	90	65	12	40x6	60x6	450	375
25	33.7	M12	15	36	18	105	65	12	40x6	60x6	450	375
32	42.4	M12	15	44	18	105	65	12	40x6	60x6	450	375
40	48.3	M16	19	50	24	115	75	16	50x10	60x10	900	750
50	60.3	M16	19	62	24	130	75	16	50x10	60x10	900	750
65	76.1	M16	19	80	24	155	75	16	50x10	60x10	900	750
80	88.9	M16	19	92	24	165	100	16	50x10	60x10	900	750
100	114.3	M16	19	118	24	195	100	16	60x10	70x12	900	750
125	139.7	M20	24	144	30	235	100	20	70x12	80x12	1350	1130
150	168.3	M24	28	172	36	275	100	24	70x12	80x15	1800	1500
175	193.7	M24	28	198	36	325	100	24	80x12	100x20	1800	1500
200	219.1	M24	28	224	36	360	100	24	80x12	100x20	1800	1500
225	244.5	M24	28	248	36	385	100	24	110x12	100x20	1800	1500
250	273	M24	28	276	36	435	100	24	110x12	100x25	1800	1500
300	323.9	M30	35	330	45	500	115	30	100x20	120x25	2700	2260
350	355.6	M30	35	362	45	585	115	30	100x20	120x25	2700	2260
350	355.6	M42	48	362	63	585	115	42	140x25	100x40	5900	4950
400	406.4	M30	35	412	45	625	115	30	110x20	140x25	2700	2260
400	406.4	M42	48	412	63	625	115	42	140x25	130x40	5900	4950
450	457	M30	35	464	45	690	115	30	100x25	140x30	3600	3020
450	457	M42	48	464	63	690	115	42	120x30	140x40	5900	4950
500	508	M30	35	516	45	745	115	30	120x25	160x30	3600	3020
500	508	M42	48	516	63	745	115	42	130x30	160x40	5900	4950
550	559	M30	35	566	45	800	115	30	130x25	180x30	3600	3020
550	559	M42	48	566	63	800	115	42	150x30	160x40	5900	4950
600	610	M30	35	618	45	845	115	30	140x25	200x30	3600	3020
600	610	M42	48	618	63	845	115	42	160x30	200x40	5900	4950

Fig. 58L, 58H & 59
Fig. 58L/H Material: Boiler Plate
Fig. 59 Material: Range D1, D2 & D3 Alloy Steel

Please Specify:-

- Figure Number:
- Nominal Pipe Size:
- Finish:

Ancillary Equipment – Fig. 300, 301 & 302

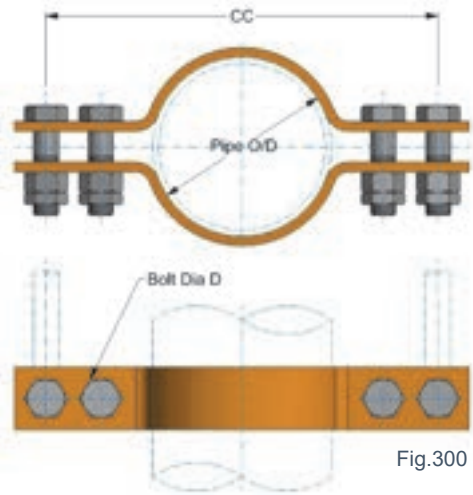


Fig.300

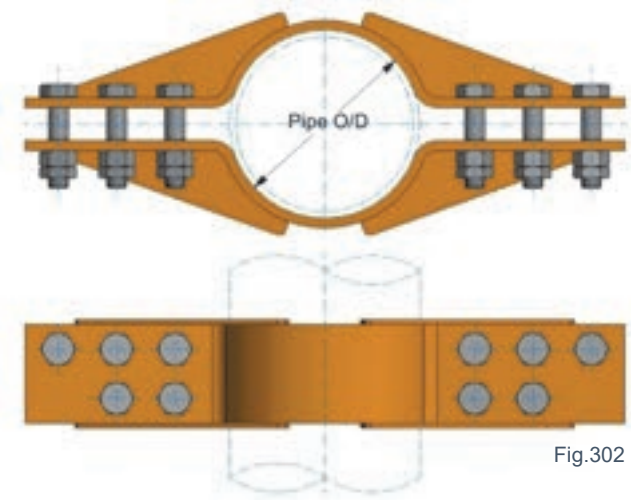


Fig.302

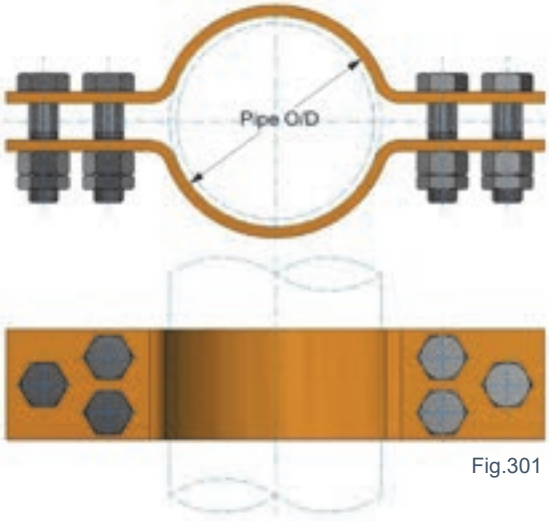


Fig.301

Stress-Temperature Correction Factors			
Design °C Temperature	Material		
	Carbon Steel	2¼ Cr-1 Mo BS 1501 PT2-622	Stainless Steel Grade 316
343	0.80	0.80	0.70
371	0.85	0.80	0.71
399	0.93	0.80	0.71
427		0.80	0.72
454		0.83	0.73
482		0.92	0.75
510		1.10	0.80
538		1.50	0.86
566		2.20	0.99
593			1.20
620			1.80
640			2.30
650			3.00

The total load to be supported must be multiplied by 2 before the stress temperature correction factor is applied. This is the total load value at which you enter the upper selection chart.

Stress Temperature Correction Factor

The selection chart on the next page is based on a maximum allowable stress in the clamp of 8.50 kg/mm^2. The table of stress temperature correction factors gives STCF for more commonly used materials.

$$\text{STFC} = \frac{8.50}{\text{S. A. Design @ Temperature}}$$

Or: corrected load = calculated load x STCF

Typical example:

- Pipe Nominal Bore = 400mm
- Load = 4545kg
- Rod Centres (C) = 1100mm
- Temperature = 510°C
- Procedure = Stock Material – Alloy Steel 2% Cr 1% Mo.
- Correction Factor from table STCF = 1.1
- Corrected Load = 9090 x 1.1 = 10,000kg.

Using Charts:

1. Enter lower chart @ rod centres = 1100mm move horizontally until sloping line 400 pipe size is intersected.
2. Project this intersection vertically upwards.
3. Enter upper chart @ load = 11000kg. Move horizontally to the right until the vertical line from (B) s intersected.
4. Read stock size of curve immediately above the (C) intersection.

Solution:
Stock Size = 250x45 (Fig. 301).
Bolt Size = M48 (Selected on uncorrected load).

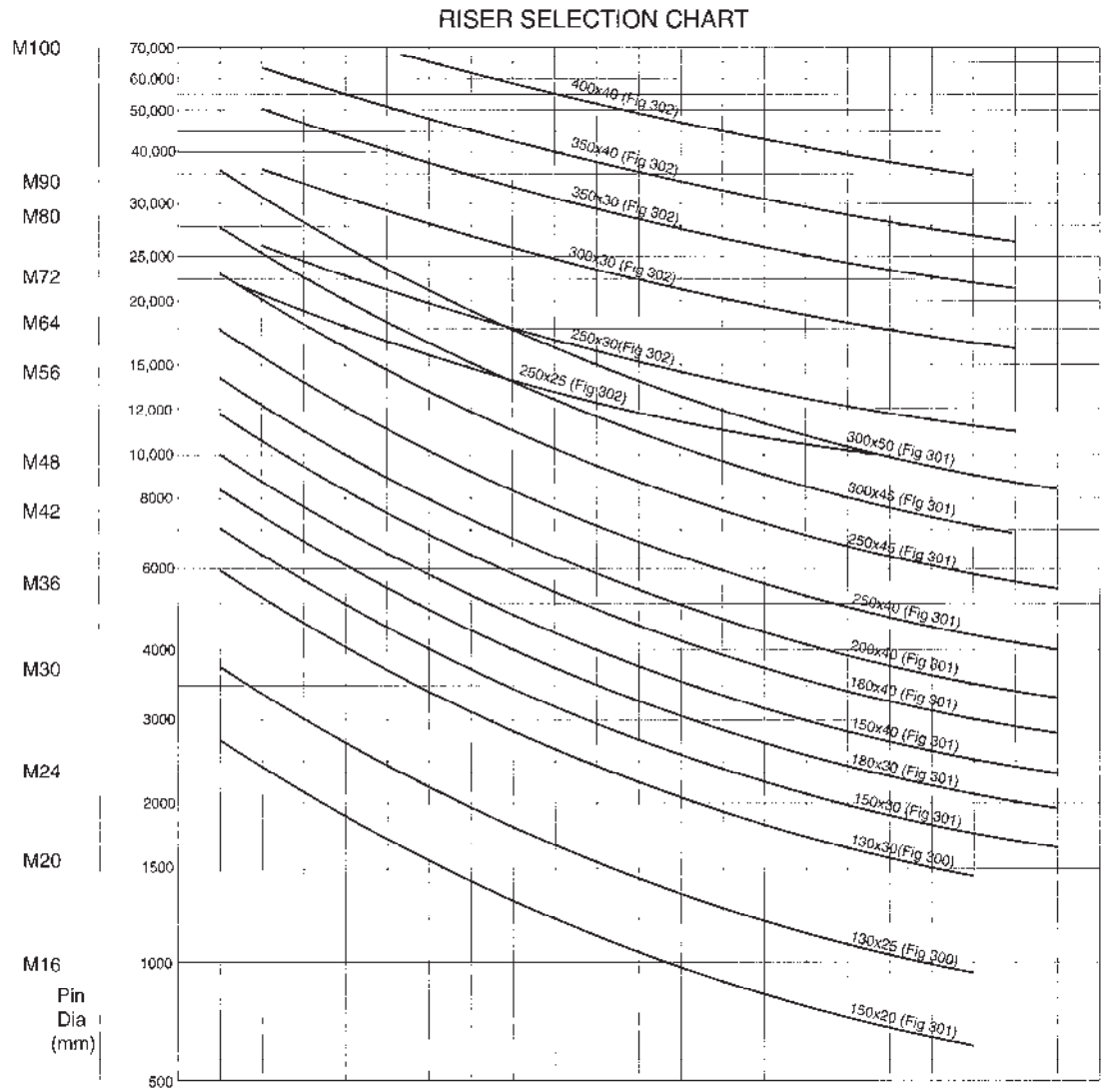
Fig. 300, 301 & 302
Material: Carbon Steel

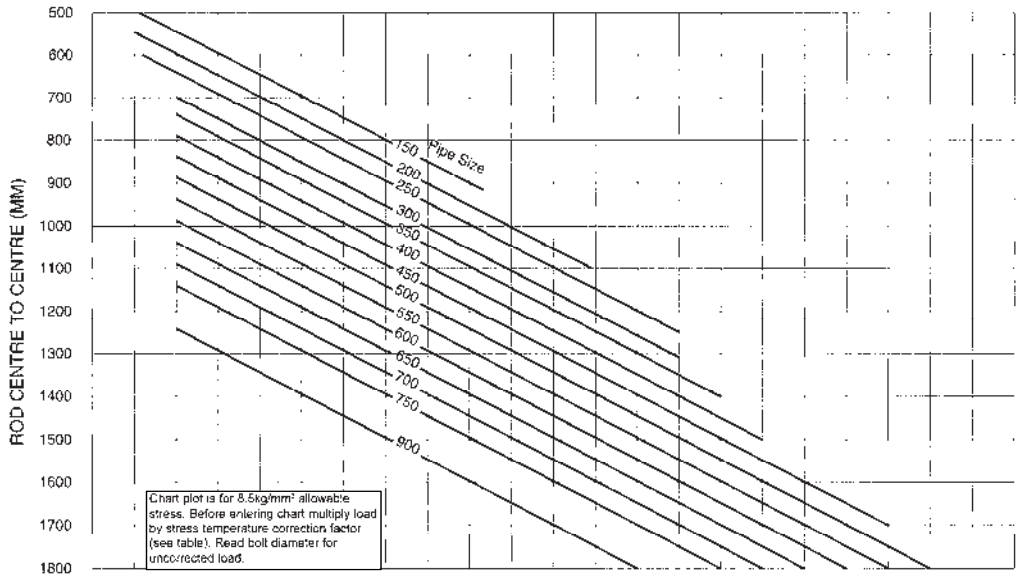
Please Specify:-

- Figure Number:
- Exact Pipe O/D:
- Load:
- Operating Temperature:
- Clamp Material:
- Centre to Centre dimension of load bolts:
- Rod Ø:
- Load Bolt Ø:
- Finish:

Sheer lugs by others.

Ancillary Equipment – Fig. 300, 301 & 302





Ancillary Equipment – Fig. 16S, 16A & Fig. 71 (BS3974)

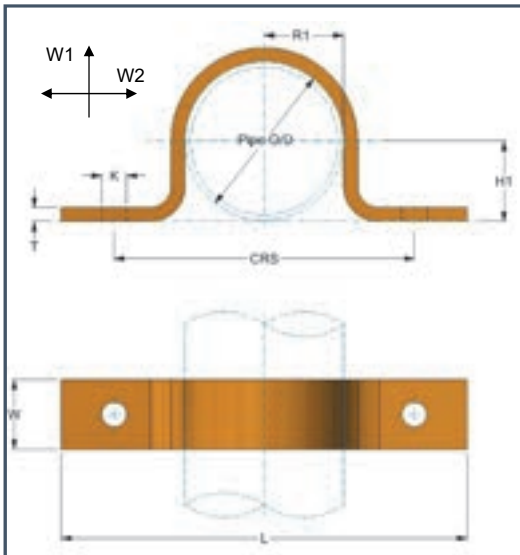


Fig. 16S/A
2 x holes in saddles 21.3 to 219.1 O/D
4 x holes in saddles 273 to 508 O/D
Fig. 71
See table

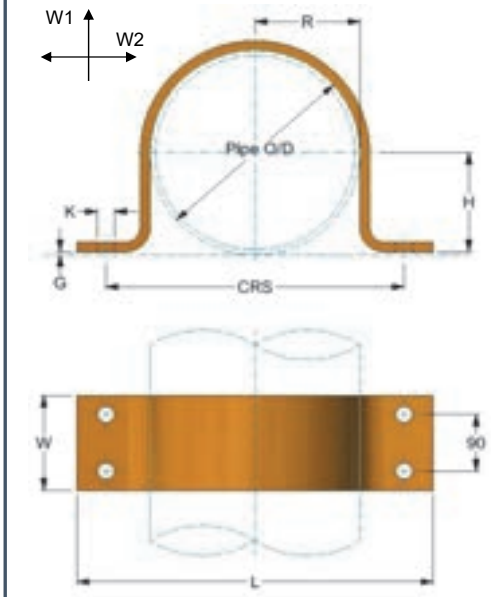


Fig. 16S & 16A – Saddle Guide & Saddle Anchor												
NPS	Pipe O/D	CRS	K	L	Guide Fig. 16S		Anchor Fig. 16A			Mat'l WxT	Max Load Kg	
					H1	R1	G	H	R		W1	W2
15	21.3	90	12	120	11	11.5	2	8	11.5	40x6	235	370
20	26.9	90	12	120	14	14	2	11	14	40x6	235	290
25	33.7	100	12	140	17	18	2	15	18	40x6	235	240
32	42.4	110	14	160	22	22	2	19	22	40x8	365	330
40	48.3	120	14	160	25	25	2	22	25	40x8	365	290
50	60.3	140	14	200	31	31	2	28	31	40x8	365	235
65	76.1	170	18	254	38	40	2	36	40	50x10	520	370
80	88.9	198	18	274	45	46	3	41	46	50x10	520	315
100	114.3	216	18	292	58	59	3	54	59	50x10	520	245
125	139.7	280	26	360	70	72	3	67	72	60x15	1080	550
150	168.3	310	26	400	85	86	3	81	86	60x15	1080	450
200	219.1	360	26	460	110	112	4	105	112	60x15	1080	345
4 Holes in all Saddles below this line												
250	273	410	26	500	137	139	4	132	139	150x15	2445	305
300	323.9	460	26	550	163	165	5	157	165	150x15	2445	305
350	356.6	490	26	580	179	181	5	173	181	150x15	2445	305
400	406.4	570	26	660	205	206	5	198	206	200x20	2750	975
450	457.2	620	26	710	230	232	5	223	232	200x20	2750	975
500	508	670	26	760	256	258	5	249	258	200x20	2750	975

Fig. 71 - Overstrap (BS 3974)									
NPS	Pipe O/D	Bolt Size	Bolt Qty.	CRS	H1	K	L	R1	Steel Size
15	21.3	M10	2	106	10	12	182	11.5	35x5
20	26.9	M10	2	110	13	12	186	14	35x5
25	33.7	M10	2	114	16	12	190	18	35x5
32	42.4	M12	2	128	20	15	204	22	35x8
40	48.3	M12	2	158	23	15	234	25	35x8
50	60.3	M12	2	162	29	15	238	31	35x8
65	76.1	M16	2	178	36	19	254	40	45x10
80	88.9	M16	2	198	43	19	274	46	45x10
100	114.3	M16	2	216	55	19	292	59	45x10
125	139.7	M20	2	238	68	24	320	72	60x10
150	168.3	M20	2	272	82	24	348	86	60x10
175	193.7	M20	2	310	95	24	390	99	60x15
200	219.1	M20	2	340	107	24	420	112	60x15
225	244.5	M20	2	360	122	24	410	124	60x15
250	273	M20	2	390	135	24	440	138	60x15
300	323.9	M20	2	440	162	24	490	164	60x15
350	355	M20	2	470	172	24	520	180	60x15
400	406.4	M24	2	530	202	28	590	205	60x15
450	457	M24	2	580	228	28	640	231	60x15
500	508	M24	2	630	253	28	690	256	60x15
550	559	M24	2	680	278	28	740	282	60x15
600	610	M20	4	730	305	24	780	308	100x15
650	660	M20	4	780	328	24	830	333	100x15
700	711	M20	4	830	355	24	880	358	100x15
750	762	M20	4	880	380	24	930	385	100x15
800	813	M24	4	960	405	28	1020	410	110x20
850	864	M24	4	1010	430	28	1070	435	110x20
900	914	M24	4	1060	455	28	1120	460	110x20
1000	1016	M24	4	1170	507	28	1230	511	110x20

Fig. 16S, 16A & 71
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Nominal Pipe Size:
- Finish:

Ancillary Equipment – Fig. 645 & 646

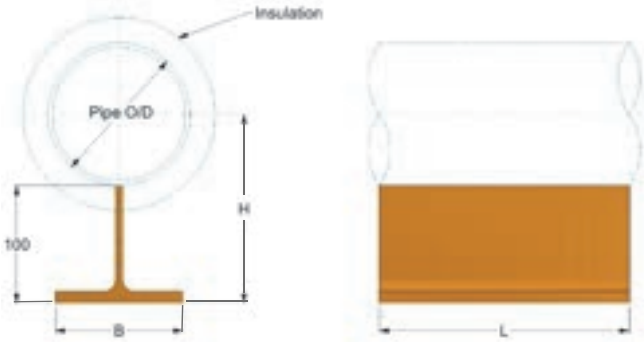


Fig. 645 - NPS 200 to 600

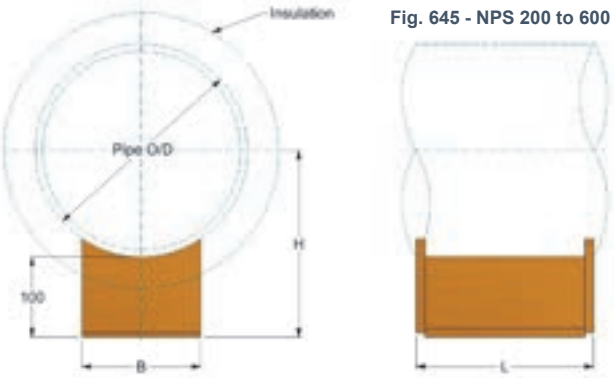


Fig. 646 - NPS 20 to 150

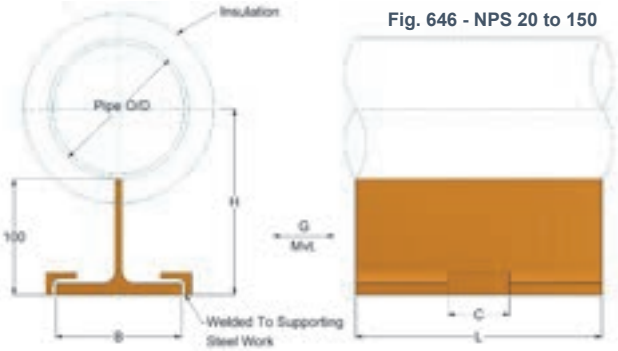


Fig. 646 - NPS 200 to 600

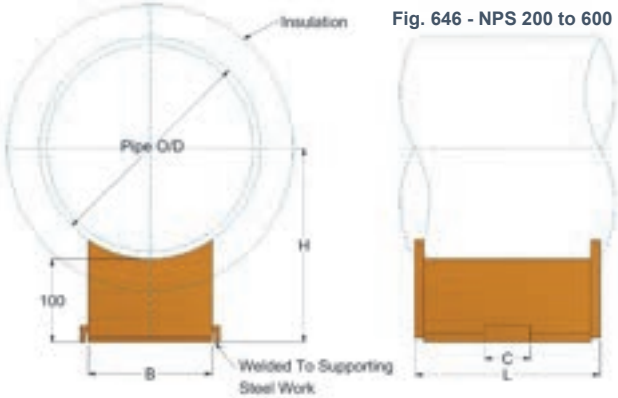


Fig. 645 - (Sliding Support) & 646 - (Sliding Guide)								
NPS	Pipe O/D	B	C	Cut From	G Max Mvt.	H	L	Max Load (Kg)
20	26.6	60	50	Plate	100	114	150	230
25	33.4	60	50	Plate	100	117	150	230
32	42..1	60	50	Plate	100	121	150	230
40	48.3	60	50	Plate	100	125	150	230
50	60.3	60	50	Plate	100	131	150	230
65	76.1	100	50	203x102x23 U/B	100	138	150	450
80	88.9	100	50	203x102x23 U/B	100	145	150	450
90	101.6	100	50	203x102x23 U/B	100	151	150	450
100	114.3	100	50	203x102x23 U/B	90	158	150	450
125	139.7	100	50	203x102x23 U/B	90	170	150	800
150	168.3	100	50	203x102x23 U/B	90	185	150	800
200	219.1	134	50	203x133x30 U/B	100	210	200	2900
250	273	134	50	203x133x30 U/B	100	237	200	2900
300	323.9	205	50	203x203x60 U/C	100	262	200	5900
350	355.6	205	50	203x203x60 U/C	150	278	250	6500
400	406.4	205	50	203x203x60 U/C	150	304	250	6500
450	457	254	50	254x254x73 U/C	145	329	250	7900
500	508	305	50	305x305x97 U/C	180	354	300	7900
550	558.8	305	50	305x305x97 U/C	180	380	300	8700
600	610	305	50	305x305x97 U/C	180	405	300	9200

Dimensions may be modified to suit specific applications, and low friction bearing surfaces applied, e.g. P.T.F.E.

Fig. 645 & 646
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Fig. 646

Ancillary Equipment – Fig. 650 & 660

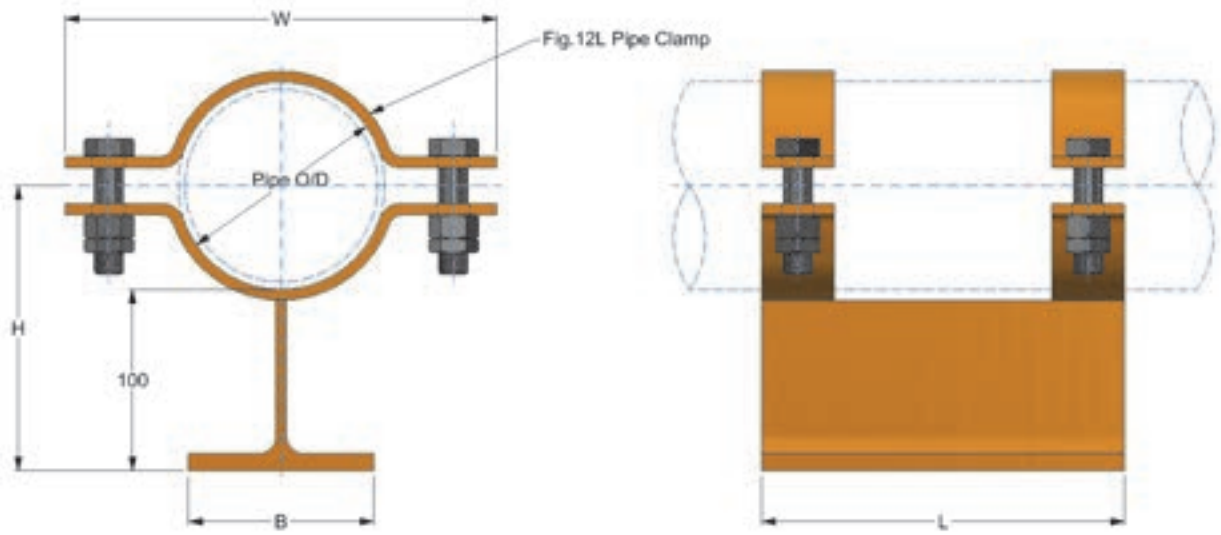


Fig. 650 – Clamped Pipe Shoe (150NB & Below)											
Max Load Kg	230					450				800	
NPS	20	25	32	40	50	65	80	90	100	125	150
Pipe O/D	26.9	33.7	42.4	48.3	60.3	76.1	88.9	101.6	114.3	139.7	168.3
H	114	117	121	124	130	138	144	151	157	170	184
B	60	60	60	60	60	100	100	100	100	100	100
L	150	150	150	150	150	150	150	150	150	150	150
W	102	114	126	140	152	178	192	204	238	276	314

Fig. 650
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Finish:

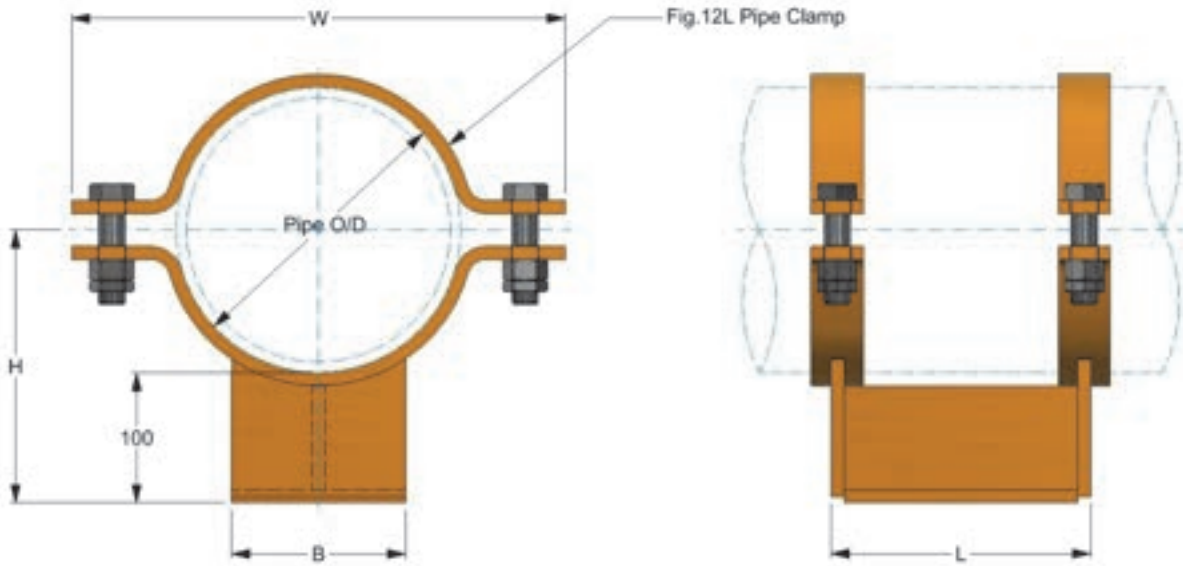
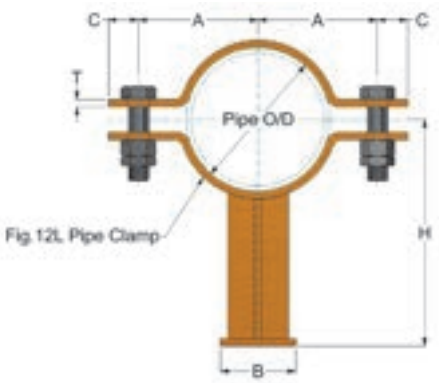


Fig. 660 – Clamped Pipe Shoe (200NB & Over)									
Max Load Kg	2900		5900	6500		7900		8700	9200
NPS	200	250	300	350	400	450	500	550	600
Pipe O/D	219.1	273	323.9	355.6	406.4	457	508	558.8	610
H	210	237	262	278	303	329	354	379	405
B	134	134	205	205	205	254	305	305	305
L	200	200	200	250	250	250	300	300	300
W	378	452	504	542	592	668	720	804	864

Fig. 660
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Ancillary Equipment – Fig. 660I & 660SI



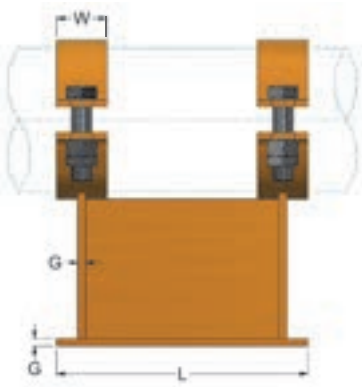


Fig. 660I – Clamped Pipe Shoe For Insulation Up To 200mm

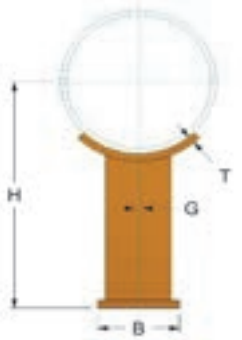
Pipe		A	C	L	WxT	Up To 100mm Insulation				100 – 200mm Insulation			
NPS	O/D					B	G	H	Max Load Kg	B	G	H	Max Load Kg
65	76.1	70	19	200	30x6	62	6	161	2345	66	8	261	3670
80	88.9	76	20	200	30x6	62	6	169	2345	66	8	269	3670
90	101.6	83	19	200	30x6	62	6	175	2345	66	8	275	3670
100	114.3	95	24	200	40x6	62	6	182	2650	66	8	282	3870
125	139.7	114	24	300	40x6	120	10	184	4075	124	12	284	6110
150	168.3	127	30	300	40x10	120	10	207	5200	124	12	307	8360
175	193.7	146	30	300	40x10	120	10	222	5200	124	12	322	8360
200	219.1	159	30	300	40x10	120	10	236	5200	124	12	336	8360
225	244.5	178	30	300	40x10	120	10	249	5200	124	12	349	8360
250	273	190	36	300	50x12	174	12	257	7240	182	16	357	13350
300	323.9	216	36	300	50x12	174	12	287	7240	182	16	387	13350
350	355.6	235	36	300	65x12	215	16	299	11420	220	20	399	15290
400	406.4	260	36	300	65x12	230	16	326	11420	245	20	426	16310
450	457	298	36	300	65x15	245	16	352	15300	255	20	452	17840
500	508	324	36	300	65x15	280	16	375	16300	290	20	475	20385
550	558.8	357	45	300	80x15	330	20	400	17025	350	25	500	21410
600	610	387	45	300	80x15	330	20	425	17840	350	25	525	22935

{Ranges A & B Only

Range A Carbon Steel (-20 to 340°C)
Range B Carbon Steel (341 to 400°C)
Range C Alloy Steel

Fig. 660I
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Insulation Thickness:
- Finish:



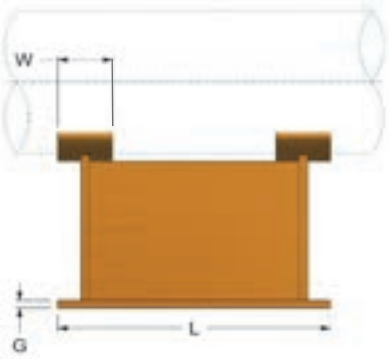


Fig. 660SI – Pipe Saddle For Insulation Up To 200mm

Pipe		L	WxT	Up To 100mm Insulation				100 – 200mm Insulation			
NPS	O/D			B	H	G	Max Load Kg	B	H	G	Max Load Kg
65	76.1	200	30x6	62	161	6	2345	66	261	8	3670
80	88.9	200	30x6	62	169	6	2345	66	269	8	3670
90	101.6	200	30x6	62	175	6	2345	66	275	8	3670
100	114.3	200	40x6	62	182	6	2650	66	282	8	3870
125	139.7	300	40x6	120	184	10	4075	124	284	12	6110
150	168.3	300	40x10	120	207	10	5200	124	307	12	8360
175	193.7	300	40x10	120	222	10	5200	124	322	12	8360
200	219.1	300	40x10	120	236	10	5200	124	336	12	8360
225	244.5	300	40x10	120	249	10	5200	124	349	12	8360
250	273	300	50x12	174	257	12	7240	182	357	16	13350
300	323.9	300	50x12	174	287	12	7240	182	387	16	13350
350	355.6	300	65x12	215	299	16	11420	220	399	20	15290
400	406.4	300	65x12	230	326	16	11420	245	426	20	16310
450	457	300	65x15	245	352	16	15300	255	452	20	17840
500	508	300	65x15	280	375	16	16300	290	475	20	20385
550	558.8	300	80x15	330	400	20	17025	350	500	25	21410
600	610	300	80x15	330	425	20	17840	350	525	25	22935

{Ranges A & B Only

Range A Carbon Steel (-20 to 340°C)
Range B Carbon Steel (341 to 400°C)
Range C Alloy Steel

Fig. 660SI
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Insulation Thickness:
- Finish:

Ancillary Equipment – Fig. 670 & 680

Fig. 670: NPS 20-150

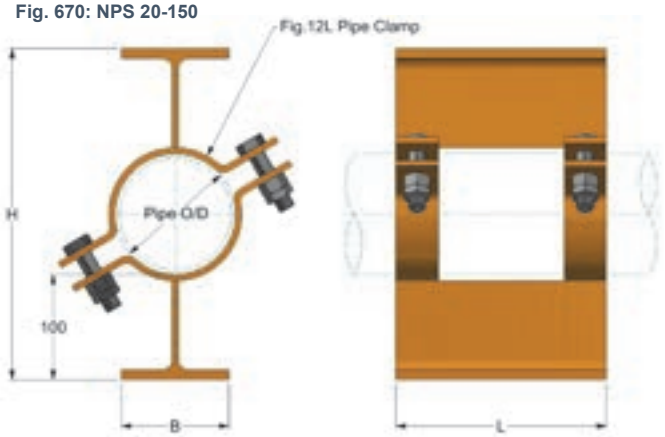


Fig. 670: NPS 200-600

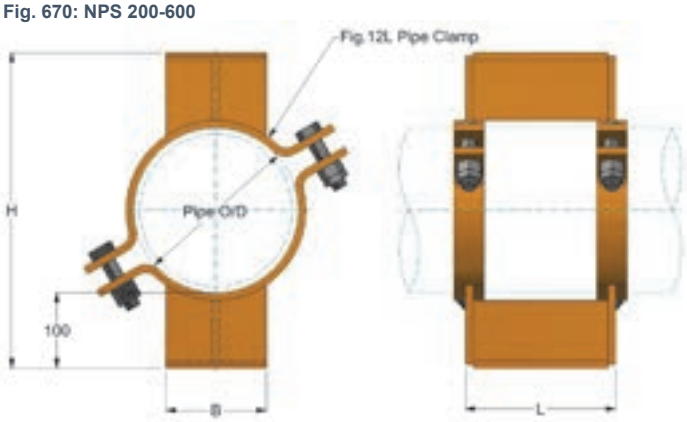


Fig. 670 – Sliding Pipe Shoe

NPS	20	25	32	40	50	65	80	90	100	125	150	200	250	300	350	400	450	500	600
Pipe O/D	26.9	33.7	42.4	48.3	60.3	76.1	88.9	101.6	114.3	139.7	168.3	219.1	273	323.9	355	406.4	457	508	610
B	60	60	60	60	60	100	100	100	100	100	100	134	134	205	205	205	254	305	305
H	228	234	242	250	262	276	290	302	316	340	370	420	474	524	556	608	658	708	810
L	150	150	150	150	150	150	150	150	150	150	150	200	200	200	250	250	250	300	300
Max Load Kg	230					450				800		2900		5900	6500		7900		9200

Fig.670

Fig. 670
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Fig.680

Fig. 680
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Fig. 680: NPS 20-150

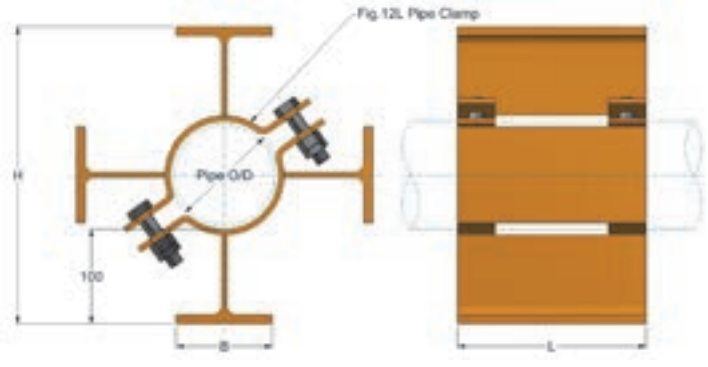


Fig. 680: NPS 200-600

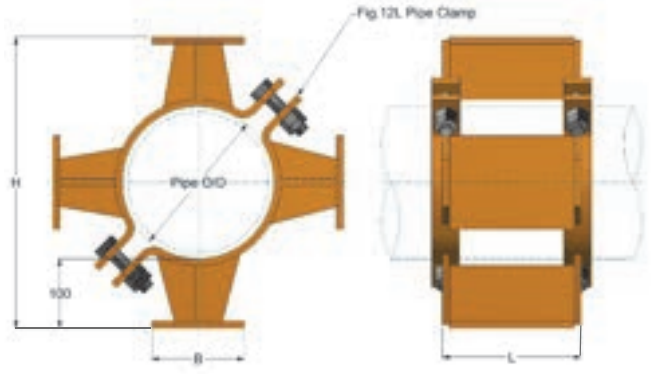


Fig. 680 – Sliding Pipe Shoe

NPS	20	25	32	40	50	65	80	90	100	125	150	200	250	300	350	400	450	500	600
Pipe O/D	26.9	33.7	42.4	48.3	60.3	76.1	88.9	101.6	114.3	139.7	168.3	219.1	273	323.9	355	406.4	457	508	610
B	60	60	60	60	60	100	100	100	100	100	100	134	134	205	205	205	254	305	305
H	228	234	242	250	262	276	290	302	316	340	370	420	474	524	556	608	658	708	810
L	150	150	150	150	150	150	150	150	150	150	150	200	200	200	250	250	250	300	300
Max Load Kg	230					450				800		2900		5900	6500		7900		9200

Ancillary Equipment – Fig. 122, 123 & 124

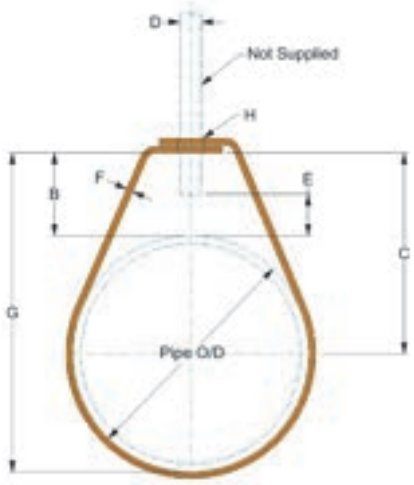


Fig.122 - Band Clamp									
NPS	Pipe O/D	B	C	D	E	G	H	Steel Size F	Max Load Kg
15	21.3	30	41	10	14	51	12	25x1.625	280
20	26.9	30	43	10	14	57	12	25x1.625	280
25	33.7	35	52	10	19	69	12	25x1.625	280
32	42.4	35	56	10	19	77	12	25x1.625	280
40	48.3	40	64	10	24	88	12	25x1.625	280
50	60.3	50	80	12	30	110	14	25x3	440
65	76.1	40	78	12	20	116	14	25x3	440
80	88.9	40	84	12	20	129	14	25x3	440
90	101.6	40	91	12	20	142	14	25x3	440
100	114.3	40	97	12	20	154	14	25x3	440
125	139.7	55	125	12	35	195	14	25x3	440
150	168.3	60	144	16	35	228	18	30x6	570
200	219.1	60	170	20	28	279	22	40x6	820

Fig. 122
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Nominal Pipe Size:
- Finish:

Vertical adjustment 14-35mm.

Suspended rod and nuts not included.

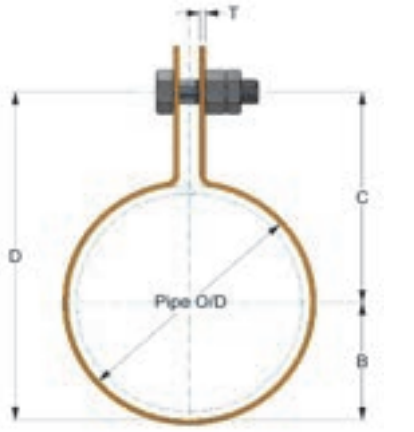


Fig.123 - Band Clamp							
NPS	Pipe O/D	B	Bolt Size	C	D	Steel Size	Max Load Kg
15	21.3	11	M8	44	55	20x1.625	136
20	26.9	13	M8	47	60	20x1.625	136
25	33.7	17	M8	48	65	20x1.625	136
32	42.4	21	M8	54	75	20x1.625	136
40	48.3	24	M8	61	85	20x1.625	136
50	60.3	30	M10	65	95	25x1.625	136
65	76.1	38	M10	67	105	25x1.625	204
80	88.9	44	M10	81	125	25x2.032	204
90	101.6	50	M10	90	140	25x2.032	204
100	114.3	57	M12	103	160	30x2.336	236
125	139.7	70	M12	115	185	30x2.336	236
150	168.3	84	M12	126	210	30x2.640	236
175	193.7	94	M12	146	240	36x2.640	390
200	219.1	110	M12	155	265	36x2.640	390

Fig. 123
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Nominal Pipe Size:
- Finish:

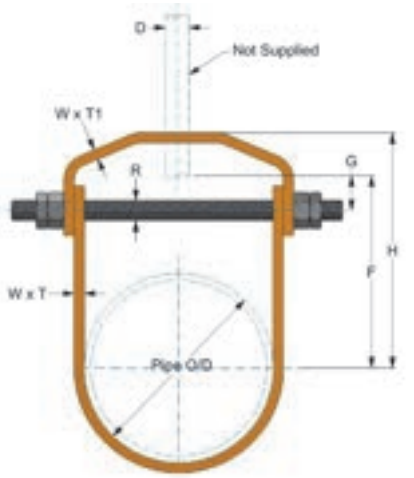


Fig.124 - Clevis Hanger									
NPS	Pipe O/D	D	F	G	H	R	WxT	WxT1	Max Load Kg
15	21.3	10	40	13	65	M6	20x6	20x6	270
20	26.9	10	47	13	72	M6	20x6	20x6	270
25	33.7	10	47	13	72	M6	20x6	20x6	270
32	42.4	10	51	13	78	M6	20x6	20x6	270
40	48.3	10	59	13	84	M6	20x6	20x6	270
50	60.3	10	62	13	87	M6	20x6	20x6	270
65	76.1	12	81	22	108	M8	30x6	30x6	500
80	88.9	12	84	22	111	M8	30x6	30x6	500
90	101.6	12	93	22	120	M10	30x6	30x6	500
100	114.3	16	108	22	139	M12	30x6	30x6	635
125	139.7	16	131	22	159	M12	40x6	40x6	635
150	168.3	20	150	29	184	M16	50x6	50x6	860
175	193.7	20	163	29	197	M16	50x6	50x6	860
200	219.1	20	176	29	214	M16	50x6	50x10	910
225	244.5	20	198	32	236	M16	50x6	50x10	910
250	273	24	215	38	256	M20	50x6	50x10	1630
300	323.9	24	243	38	286	M20	50x6	50x15	1725
350	355.6	24	275	38	321	M24	50x6	50x15	1910
400	406.4	24	338	80	384	M24	65x6	65x15	2090
450	457	24	352	83	403	M30	65x6	65x15	2180
500	508	30	393	89	444	M30	80x10	80x15	2180
600	609	30	451	95	502	M30	80x10	80x15	2180

Fig. 124
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Nominal Pipe Size:
- Finish:

Suspended rod and nuts not included.

Ancillary Equipment – Fig. 17B, 18B, 19B & 120B

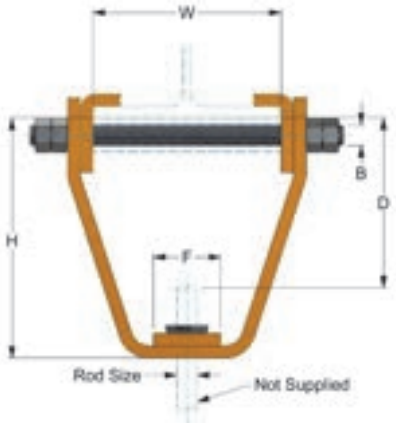


Fig. 17B – Beam Clamp								
Size	Bolt Size	D	F	H	Rod Max	Steel Size	W	Max Load Kg
1	M10	85	50	179	12	40x8	76-203	360
2	M12	85	55	180	16	50x8	76-203	530
3	M16	80	70	192	20	50x10	76-203	1010
4	M20	80	85	214	24	60x15	102-254	1580
5	M24	80	85	228	30	80x15	102-254	2280
6	M30	95	85	260	36	90x15	102-254	3650
7	M36	110	90	300	42	100x20	102-254	5340
8	M42	125	100	333	48	130x25	127-254	7400

Fig. 17B
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Beam Flange Width 'W':
- Beam Flange Thickness:
- Rod Diameter:
- Finish:

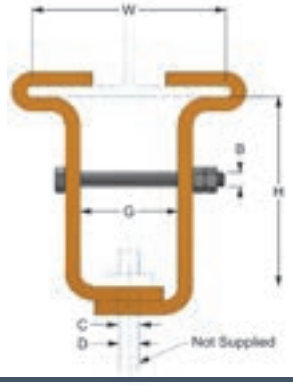


Fig. 18B – Beam Clamp								
Size	B	C Max	D Max	G	H	Steel Size	W	Max Load Kg
1	M10	14	M12	50	115	30x6	76-203	320
2	M12	26	M24	80	155	50x12	113-254	680

Note: This clamp cannot be supplied for flange widths less than 75mm.

Fig. 18B
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Beam Flange Width 'W':
- Beam Flange Thickness:
- Rod Diameter:
- Finish:

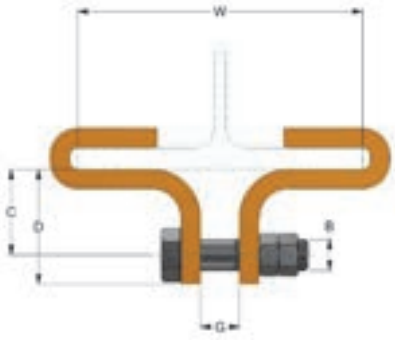


Fig. 19B – Beam Clamp							
Size	Bolt	C	D	G	Steel Size	W	Max Load Kg
1	M12	30	45	16	30x6	76-203	320
2	M12	45	60	20	40x10	76-203	400
3	M16	45	70	20	50x10	76-203	450
4	M20	50	80	24	50x12	76-254	680

Fig. 19B
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Beam Flange Width 'W':
- Beam Flange Thickness:
- Finish:

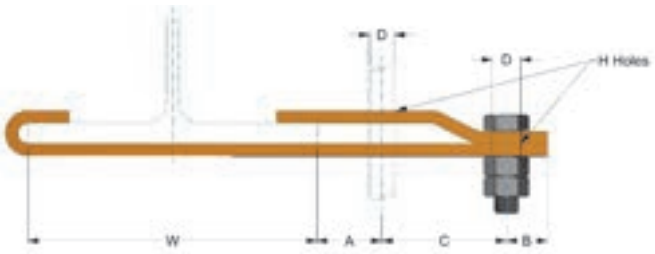


Fig. 120B – Beam Clamp								
Size	A	B	D	C	H	Steel Size	W	Max Load Kg
1	10	20	M12	60	14	30x6	76-305	230
2	12	25	M16	65	18	40x10	76-305	320
3	12	30	M20	75	22	50x10	76-305	360
4	14	30	M24	90	26	65x12	76-305	550

Fig. 120B
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Beam Flange Width 'W':
- Beam Flange Thickness:
- Finish:

Ancillary Equipment – Fig. 800U, 800N, 9WL & 121

Sizes 1 to 9

Sizes 10 to 14

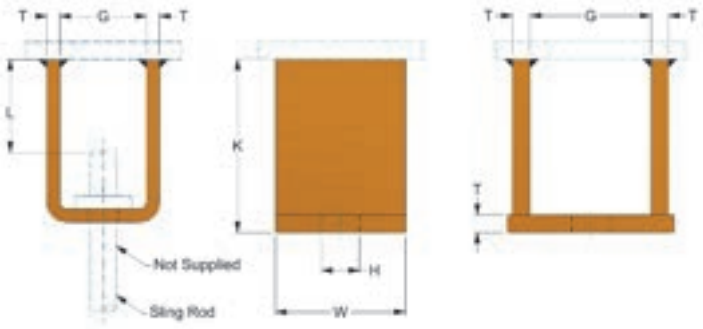


Fig. 800U – Welded Beam Attachment								
Size	G	H	K	L	Rod	W x T	Min Weld	Max Load Kg
1	40	12	75	30	M10	50x6	3x45	380
2	40	14	75	30	M12	50x6	3x45	560
3	60	18	85	30	M16	80x10	3x55	1040
4	70	22	85	30	M20	80x10	4x55	1630
6	75	26	115	40	M24	100x12	4x90	2360
7	110	32	120	40	M30	100x15	5x90	3750
9	120	39	165	60	M36	150x15	5x140	5460
Size 10 Upward Are Fabricated Attachments								
10	140	45	200	70	M42	150x20	6x135	7480
11	175	51	210	70	M48	150x25	6x135	9820
12	185	60	240	85	M56	180x25	8x130	13560
13	220	68	250	85	M64	180x30	8x130	17900
14	230	76	260	85	M72	200x30	8x150	22740

Sizes 1 to 10

Sizes 11 to 17

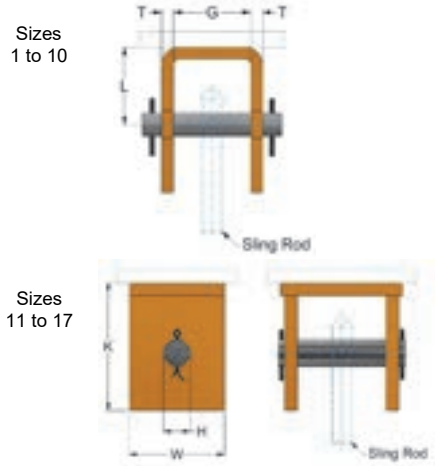


Fig. 800N – Welded Beam Attachment										
Size	G	H	K	L	Pin Size	Rod	S/Pin Size	W x T	Min. Weld	Max Load Kg
1	30	12	50	30	10x65	M10	2.5x30	50x60	3x30	380
2	30	14	65	40	12x65	M12	3.2x30	50x60	3x30	560
3	30	18	70	45	16x65	M16	3.2x30	50x60	3x30	1040
4	35	22	85	55	20x85	M20	4.0x40	80x10	4x35	1630
6	40	26	110	70	24x90	M24	5.0x40	80x10	4x50	2360
7	50	32	125	80	30x105	M30	5.0x40	100x12	5x55	3750
9	70	39	160	100	36x135	M36	6.3x60	130x15	5x70	5460
10	90	45	180	110	42x155	M42	6.3x70	130x15	6x90	7480
Size 11 Upward Are Fabricated Attachments										
11	90	51	210	130	48x170	M48	8.0x70	150x20	6x90	9820
12	100	60	235	145	56x180	M56	8.0x80	180x20	8x100	13560
13	110	68	255	160	64x195	M64	8.0x90	200x20	8x110	17900
14	120	76	280	180	72x215	M72	8.0x100	220x25	8x120	22740
15	130	84	300	200	80x230	M80	10.0x100	250x25	10x100	28600
16	140	94	335	220	90x250	M90	10.0x120	300x30	10x120	36000
17	150	104	375	260	100x285	M100	10.0x120	300x40	10x130	44700

Bolts may be supplied in lieu of pins, unless specified otherwise.

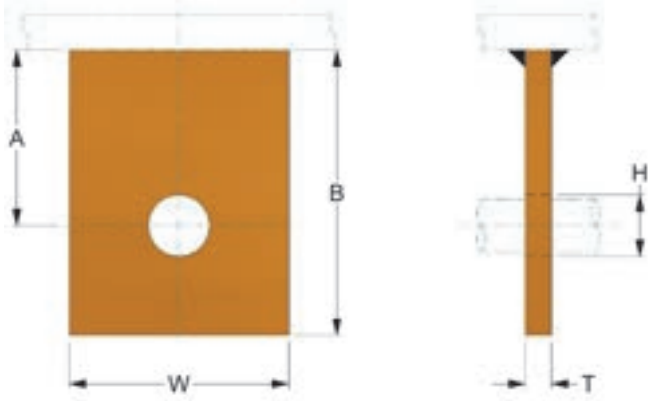


Fig. 9WL – Welding Lug							
Size	A	B	Bolt	H	W x T	Min. Weld	Max Load Kg
1	30	55	M10	12	50x6	3	380
2	40	65	M12	14	50x6	3	560
3	50	75	M16	18	50x6	3	1040
4	60	90	M20	22	80x10	5	1630
6	80	115	M24	26	80x10	5	2360
7	90	135	M30	32	100x12	7	3750
9	110	175	M36	39	130x15	7	5460
10	130	200	M42	45	130x15	8	7480
11	150	235	M48	51	150x20	8	9820
12	170	260	M56	60	180x20	10	13560
13	200	295	M64	68	200x20	10	17900
14	220	325	M72	76	220x25	12	22740
15	240	340	M80	84	250x25	12	28600
16	270	385	M90	94	300x30	12	36000
17	300	415	M100	104	300x40	12	44700

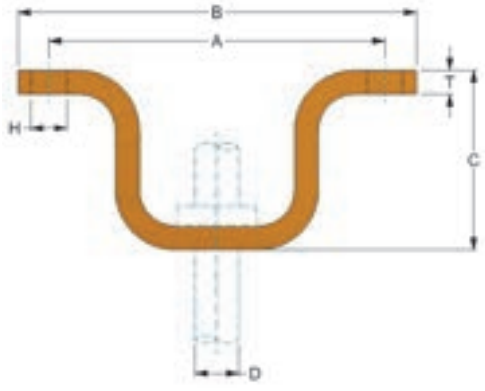


Fig. 121 Bolted Beam Attachment							
Size	A	B	C	D	H	W x T	Max Load Kg
1	120	155	75	M12	12	30x10	560
2	135	180	75	M16	14	40x10	1040
3	160	205	85	M20	18	40x12	1630
4	175	230	85	M24	22	50x12	2360

Fig. 800U, 800N, 9WL & 121
Material: Carbon Steel

Please Specify:-

- Figure Number:
- Size:
- Finish:

Ancillary Equipment – Fig. 3FR, 3BR, 3ER, 3ERW, 3DE & 3DEW

Fig. 3FR – Solid Forged Eye Rod								
Size D	M10	M12	M16	M20	M24	M30	M36	M42
B	7	9	12	14	17	21	26	30
H	16	18	22	26	30	36	42	48
A	30	36	46	54	64	78	94	108
Max Load kg	380	560	1040	1630	2360	3750	5460	7480

Fig. 3FR
Material: Forged Steel

Please Specify:-
- Figure Number:
- Size:
- Length & Thread length if non-standard:

Thread is right hand as standard.
(Left hand available on request).

Where overall length required is greater than 300mm a rod coupling and threaded bar will be utilised.

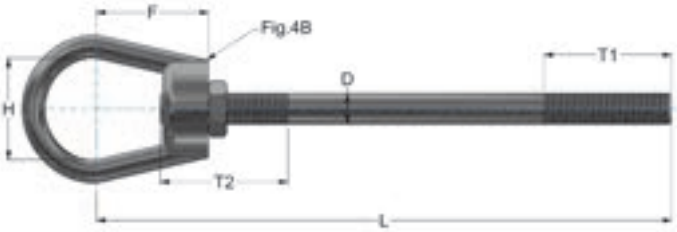


Fig. 3BR – Composite Eye Rod												
Size D	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72
F	41.5	45	45	64	80	85	85	100	70	80	100	100
H	25	30	30	44	50	70	70	100	70	80	100	100
T1	150	150	150	150	150	250	250	250	250	250	250	250
T2	50	50	50	50	50	80	80	80	130	130	130	130
Max Load kg	380	560	1040	1630	2360	3750	5460	7480	9820	13560	17900	22740

Fig. 3BR
Material: Carbon Steel
Fig. 4B Supplied with Locknut

Please Specify:-
- Figure Number:
- Size:
- Length & Thread length if non-standard:

Thread is right hand as standard.
(Left hand available on request).

Fig. 3ER (Un-Welded) & 3ERW (Welded) – Eye Rod						
Size D	M8	M10	M12	M16	M20	M24
A	28	40	46	60	72	86
H	12	20	22	28	32	38
L (Min.)	175	200	200	250	250	250
T	150	150	150	150	150	150
Fig. 3ER Max Load kg	70	105	200	320	470	880
Fig. 3ERW Max Load kg	220	380	560	1040	1630	2360

Fig. 3ER & 3ERW
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Length & Thread length if non-standard:

Thread is right hand as standard.
(Left hand available on request).

Fig.3ER Rod & Eye not welded.
Fig.3ERW Rod & Eye welded.

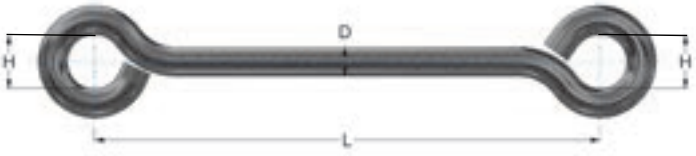


Fig. 3DE (Un-Welded) & DEW (Welded) – Double Eye Rod					
Size D	M10	M12	M16	M20	M24
H	20	22	28	32	38
L (Min.)	100	150	150	200	200
Fig. 3DE Max Load kg	105	200	320	470	880
Fig. 3DEW Max Load kg	380	560	1040	1630	2360

Fig. 3DE & 3DEW
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Length:

Fig.3DE Rod & Eye not welded.
Fig.3DEW Rod & Eye welded.

Ancillary Equipment – Fig. 3LE, 3LEW, 3J, 3AR, 3R & 4RC

When eye rods are ordered with machine threads longer than the standard thread shown or with left hand threads there will be an additional charge.

Fig. 3LE (Un-Welded) & LEW (Welded) – Linked Eye Rod						
Size	M8	M10	M12	M16	M20	M24
A	26	33	46	56	70	83
H	10	13	22	24	30	35
L (Min.)	410	410	485	485	540	540
T	150	150	150	150	150	150
Fig. 3LE Max Load Kg	70	105	200	320	470	880
Fig. 3LEW Max Load Kg	220	380	560	1040	1630	2360

Fig. 3LE & 3LEW
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Length M:
- Length N:

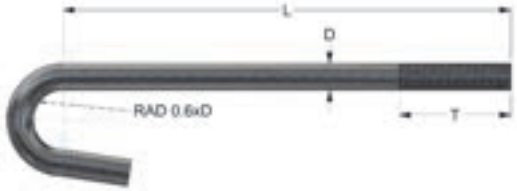


Fig. 3J – J Beam Hook									
D	T	Length L							Max Load Kg
M10	65	100	125	150	175	200	250	300	105
M12	65	100	125	150	175	200	250	300	200
M16	65	~	125	150	175	200	250	300	320
M20	75	~	125	150	175	200	250	300	470
M24	100	~	~	150	175	200	250	300	880

Fig. 3J
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Length L:
- Beam Flange Thickness:

Thread is right hand as standard.
(Left hand available on request).

Available in 1, 2 & 3 metre lengths as self-colour. Galvanised – See table.

Non-standard diameters and lengths available on request.

Fig. 3AR
Material: Carbon Steel
Please Specify:-
- Fig. Number:
- Size:
- Length:

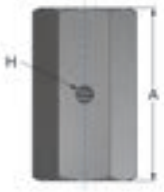
Fig. 3AR – All Threaded Rod																
Size D	M6	M8	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72	M80	M90
Max Load Kg	135	240	380	560	1040	1630	2360	3750	5460	7480	9820	13560	17900	22740	28600	36000
Galv. Length Availability	1000	1000	1000	1000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

Non-standard diameters, overall lengths, thread lengths and handed threads available on request at additional charges.

Fig. 3R
Material: Carbon Steel

Please Specify:-
- Fig. Number:
- Size:
- Length:
- Thread:

Fig. 3R – Tie Rod														
Size D	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72	M80	M90
L	400	430	440	470	510	550	570	650	680	710	750	790	870	950
T	175	185	190	200	205	225	235	250	265	280	300	320	360	400
Max Load Kg	380	560	1040	1630	2360	3750	5460	7480	9820	13560	17900	22740	28600	36000



Tapped right hand.
Threaded completely through.

Fig. 4RC
Material: Carbon Steel
Please Specify:-
- Fig. Number:
- Size:
- Thread (If Non-Standard):

Fig. 4RC – Rod Coupling														
Size D	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72	M80	M90
A	45	45	55	55	70	75	110	120	130	150	175	200	225	225
H	6	6	6	6	8	8	8	10	10	10	10	10	10	10
S	17	19	24	30	36	46	55	65	75	85	95	105	115	130
Max Load Kg	380	560	1040	1630	2360	3750	5460	7480	9820	13560	17900	22740	28600	36000

Ancillary Equipment – Fig. 4TF, 4T, 4B & 4SC

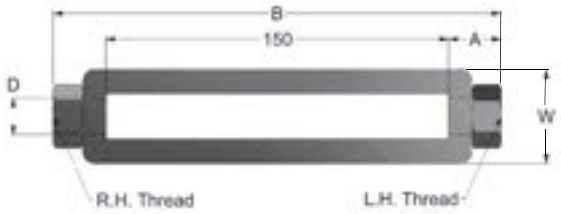


Fig. 4TF – Forged Turnbuckle				
Size D	A	B	W	Max Load Kg
M10	17	184	28	380
M12	20	190	31	560
M16	26	202	41	1040
M20	32	214	49	1630
M24	39	228	59	2360
M30	53	256	67	3750
M36	58	266	78	5460
M42	68	286	92	7480

Fig. 4TF
Material: Forged Steel

Please Specify:-
- Figure Number:
- Size:
- Thread if Non-Standard:

Can be supplied with longer openings on request.

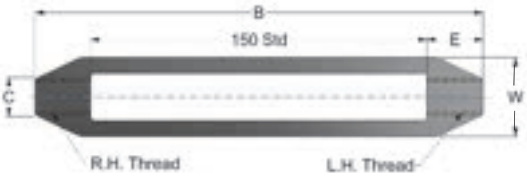


Fig. 4T - Turnbuckle					
Size C	B	C	E	W	Max Load Kg
M24	200	35	25	65	2360
M30	210	50	30	83	3750
M36	210	50	30	83	5460
M42	230	65	40	91	7480
M48	250	75	50	92	9820
M56	250	85	50	113	13560
M64	270	95	60	124	17900
M72	300	105	75	150	22740

Fig. 4T
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Thread if Non-Standard:

Can be supplied with longer openings on request.

Fig. 4B – Weldless Bow Nut						
Size T	A	B	C	D	E	Max Load Kg
M8	10	25	64	32	16	240
M10	10	25	64	32	16	380
M12	13	30	73	38	18	560
M16	13	30	73	38	18	1040
M20	16	44	102	45	25	1630
M24	19	50	124	50	28	2360
M30	29	70	149	70	40	3750
M36	29	70	149	70	40	5460
M42	30	100	180	80	45	7480
M48	31	70	240	100	75	9820
M56	36	80	270	100	80	13560
M64	42	100	330	130	80	17900
M72	47	100	330	130	80	22740

Fig. 4B
Material: Forged Steel
(BS3974 Pt1 M42 and Below)

Please Specify:-
- Figure Number:
- Size:
- Left or Right Hand Thread:

Sizes M48 Upward, Type Change.

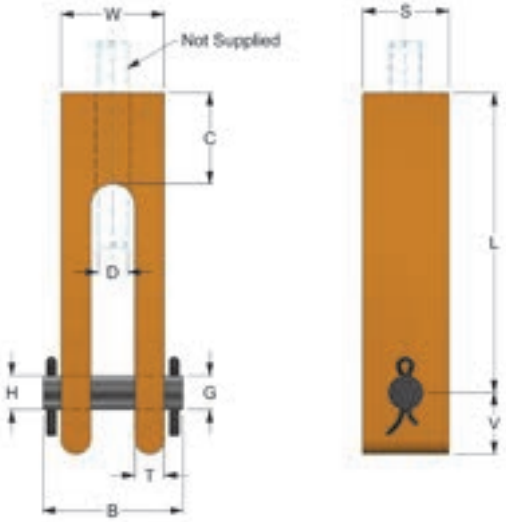


Fig. 4SC – Steel Clevis											
Size	B	C	D	G	H	L	S	T	V	W	Max Load Kg
2	60	32	M10	10	12	114	30	10	19	38	380
2	60	32	M12	12	14	114	30	10	19	38	560
2.5	75	32	M16	16	18	100	45	10	33	50	1040
2.5	75	32	M20	20	22	100	45	10	33	50	1630
3	90	32	M24	24	26	95	65	12	38	58	2360
3	90	32	M30	30	32	95	65	12	38	58	3750
3.5	115	41	M36	36	39	193	70	12	45	80	5460
4	130	44	M42	42	45	196	90	12	51	85	7480
5	165	57	M48	48	51	235	100	16	64	102	9820
6	195	70	M56	56	60	273	130	19	76	127	13560
6	195	70	M64	64	68	273	130	19	76	127	17900
7	210	80	M72	72	76	315	140	22	90	140	22740
8	220	105	M80	80	84	365	150	40	110	180	28600
9	290	120	M90	90	95	415	175	45	125	205	36000

Fig. 4SC
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Finish:
- Rod Size Tapping:
- Pin Hole Clearance:

Larger sizes available on request.
Bolts may be supplied in lieu of suspension pins unless specified.

Ancillary Equipment – Fig. 6AP, 810RW & 810C

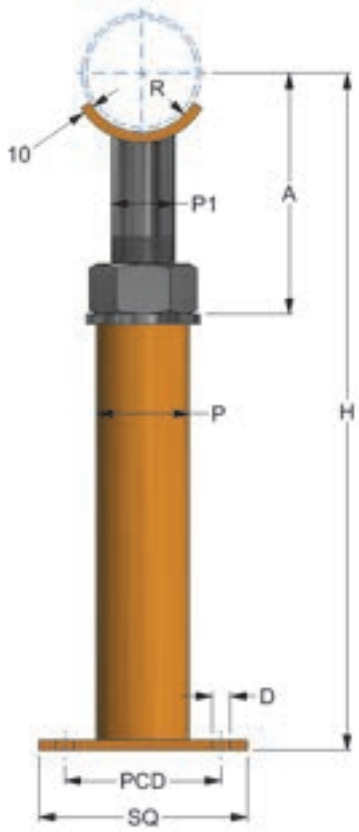


Fig. 6AP – Adjustable Pipe Support											
NPS	Pipe O/D	A	D	H		P	P1	PCD	R	SQ	Max Load Kg
				Min	Max						
65	76.1	184	14	398	1750	50	M48	110	38	150	75
80	88.9	191	14	405	1750	50	M48	110	45	150	110
90	101.6	197	18	411	1750	80	M48	150	51	200	150
100	114.3	196	18	420	1750	80	50NB	150	57	200	200
125	139.7	208	18	434	1750	80	50NB	150	70	200	305
150	168.3	223	18	450	1750	100	65NB	200	84	280	435
200	219.1	249	18	476	1750	100	65NB	200	110	280	725
250	273	276	18	503	1400	100	65NB	200	137	280	1250
300	323.9	302	18	529	1400	100	65NB	200	162	280	1785
350	355.6	318	18	545	1400	100	65NB	200	178	280	2300
400	406.4	343	18	570	1400	100	65NB	200	204	280	3190
450	457	370	22	603	1400	150	100NB	240	230	350	4150
500	508	395	22	627	1400	150	100NB	240	254	350	5310
550	558.8	421	22	652	1400	150	100NB	240	280	350	6650
600	610	446	22	678	1400	150	100NB	240	305	350	7985
650	660.4	471	22	703	1400	150	100NB	240	330	350	9730
700	711.2	497	22	729	1400	150	100NB	240	356	350	11470
750	762	522	22	781	1000	150	100NB	240	381	350	13210
800	812.8	548	22	816	1000	150	100NB	240	407	350	15370
900	914.4	600	22	832	1000	150	100NB	240	458	350	19680

Fig. 6AP
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Distance from Floor to Pipe Centre (Dim H):
- Finish:

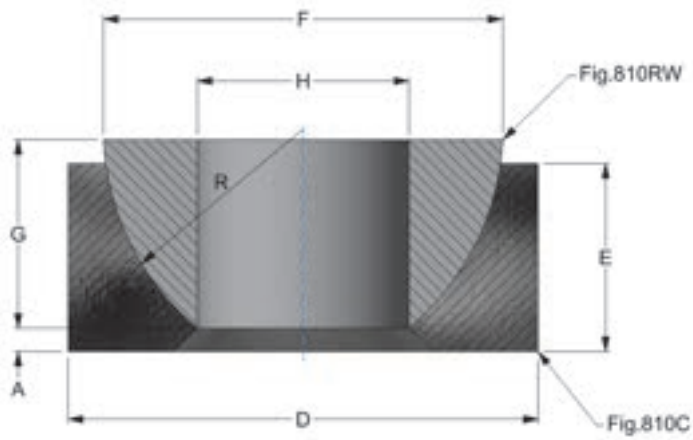


Fig. 810RW & 810C – Hemispherical Washer & Cup								
Rod Ø	Fig 810C		Fig 810RW			A	H	Max Load Kg
	D	E	F	G	R			
M6	25	9	19	8	10	3	8	135
M8	28	10	22	10	11	3	10	240
M10	32	12	25	12	12	5	12	380
M12	35	12	28	12	14	5	14	560
M16	41	16	34	16	17	6	18	1040
M20	54	19	44	19	22	6	22	1630
M24	67	25	57	25	28	8	26	2360
M30	86	32	76	32	38	10	33	3750
M36	100	35	80	35	40	10	40	5460
M42	102	38	89	38	44	12	46	7480
M48	120	40	100	40	50	12	52	9820
M56	130	45	110	45	55	15	60	13560
M64	150	50	120	50	60	15	68	17900
M72	165	55	135	55	68	15	76	22740
M80	180	60	150	60	75	20	84	28600
M90	200	70	170	70	85	20	95	36000

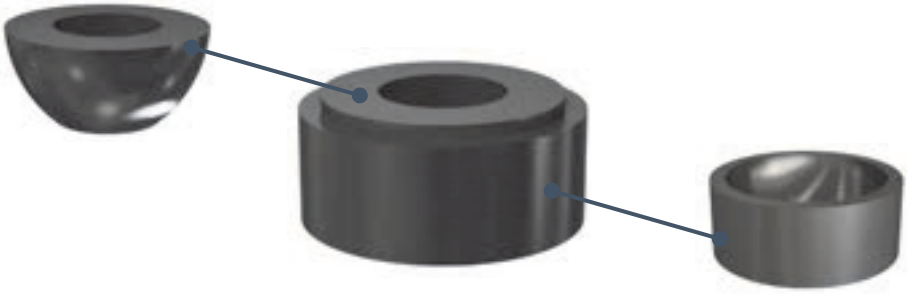


Fig. 810RW & 810C
Material: Malleable Iron Up To M30.
Carbon Steel M36 Up.

Please Specify:-
- Figure Number:
- Rod Ø:
- Finish:

Ancillary Equipment – Fig. 500, 501 & 510

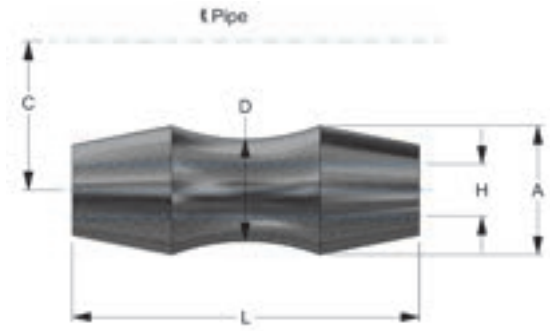


Fig. 500
Material: Cast Iron

Please Specify:-
- Figure Number:
- NPS:

Fig. 500 – Cast Pipe Roller								
NPS	Pipe O/D	A	C	D	H	L	Rod Ø	Max Load Kg
25	33.7	20	27	15	11	25	M10	136
32	42.4	21	32	15	11	37	M10	136
40	48.3	22	35	16	11	40	M10	136
50	60.3	24	41	16	11	44	M10	136
65	76.1	29	49	21	14	60	M12	272
80	88.9	35	57	24	14	94	M12	272
100	114.3	35	71	24	14	94	M12	315
125	139.7	49	87	31	20	146	M16	315
150	168.3	49	103	31	20	146	M16	455
175	193.7	71	117	41	24	203	M20	455
200	219.1	69	130	38	24	228	M20	590
250	273	85	159	44	27	280	M24	770
300	323.9	100	189	50	27	330	M24	1043
350	355.6	120	213	66	27	361	M24	1395
400	406.4	130	240	67	27	412	M24	1395
450	457.2	138	267	70	27	463	M24	1900
500	508	152	295	76	33	514	M30	2050
550	558.8	164	326	84	33	577	M30	2375
600	609.6	183	365	92	33	615	M30	2700

Fig. 501
Material: Cast Iron

Please Specify:-
- Figure Number:
- NPS:

Fig. 501 – Pipe Roller (Heavy Duty)								
NPS	Pipe O/D	A	B	C	H	L	Rod Ø	Max Load Kg
50	60.3	45	32	46	14	67	M12	175
65	76.1	45	32	52	14	67	M12	175
80	88.9	45	32	62	14	67	M12	175
90	101.6	45	32	68	14	67	M12	175
100	114.3	54	38	71	14	93	M12	430
125	139.7	54	38	87	14	93	M12	430
150	168.3	54	38	102	14	93	M12	430
175	193.7	54	38	117	14	93	M12	430
200	219.1	90	52	133	22	153	M20	950
250	273	90	52	162	22	153	M20	950
300	323.9	98	58	190	26	205	M24	1385
350	355.6	98	58	206	26	205	M24	1385
400	406.4	115	80	235	32	232	M30	2255
450	457.2	115	80	263	32	232	M30	2255
500	508	115	80	292	32	232	M30	2255
550	558.8	112	80	318	38	255	M36	2765
600	609.6	112	80	350	38	255	M36	2765
650	660.4	136	104	380	44	320	M42	3400
700	711.2	136	104	406	44	320	M42	3400
750	762	136	104	438	44	320	M42	3400
800	812.8	159	112	460	50	379	M48	3400
900	914.4	159	112	514	50	379	M48	3400
1050	1066.8	159	112	590	50	379	M48	3400
1200	1219.2	159	112	667	50	379	M48	3400

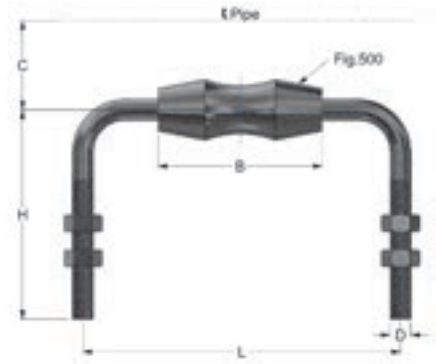


Fig. 510
Material: Carbon Steel Spindle, Cast Iron Roller

Please Specify:-
- Figure Number:
- NPS:

Fig. 510 – Roller Support							
NPS	Pipe O/D	B	C	D	H	L	Max Load Kg
50	60.3	44	41	M10	95	115	136
65	76.1	60	49	M12	115	125	272
80	88.9	94	57	M12	115	150	272
100	114.3	94	71	M12	115	180	315
125	139.7	146	87	M16	118	215	315
150	168.3	146	103	M16	118	255	455
175	193.7	203	117	M20	135	300	455
200	219.1	228	130	M20	135	315	590
250	273	280	159	M24	140	380	770
300	323.9	330	189	M24	155	430	1043
350	355.6	361	213	M24	180	460	1395
400	406.4	412	240	M24	205	515	1395
450	457.2	463	267	M24	230	565	1900
500	508	514	295	M30	260	640	2050
550	558.8	577	326	M30	300	710	2375
600	609.6	615	365	M30	350	740	2700

Ancillary Equipment – Fig. 520 & 530

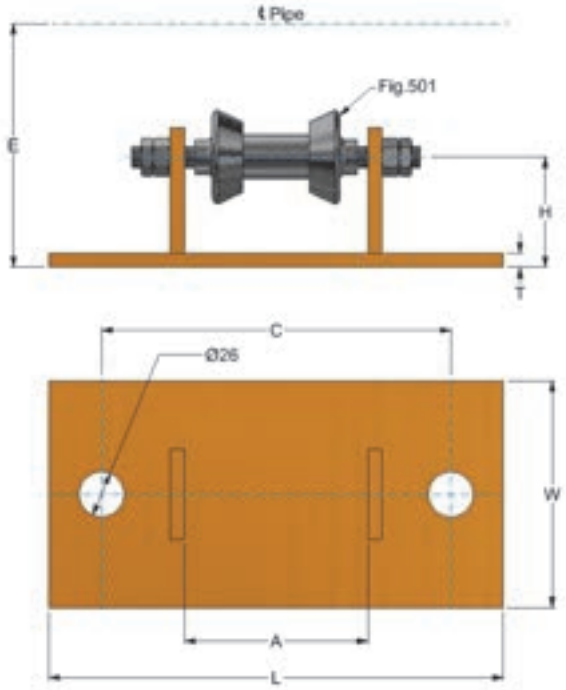


Fig. 520 – Roller Chair										
Size	NPS	Pipe O/D	A	C	E	H	L	T	W	Max Load Kg
1A	50	60.3	75	160	99	53	210	8	150	175
1A	65	73	75	160	105	53	210	8	150	175
1A	80	88.9	75	160	115	53	210	8	150	175
1A	90	101.6	75	160	121	53	210	8	150	175
1	100	114.3	105	200	134	63	255	8	150	430
1	125	139.7	105	200	150	63	255	8	150	430
1	150	168.3	105	200	165	63	255	8	150	430
1	175	193.7	105	200	180	63	255	8	150	430
2	200	219.1	160	100	233	100	205	10	150	950
2	250	273	160	100	262	100	205	10	150	950
3	300	323.9	210	145	313	123	265	10	200	1395
3	350	355.6	210	145	329	123	265	10	200	1395
4	400	406.4	242	170	380	145	305	12	200	2260
4	450	457.2	242	170	408	145	305	12	200	2260
4	500	508	242	170	437	145	305	12	200	2260
5	550	558.8	264	190	440	122	330	12	250	2765
5	600	610	264	190	472	122	330	12	250	2765
6	650	660.4	329	250	523	143	510	15	300	3400
6	700	711.2	329	250	549	143	510	15	300	3400
6	750	762	329	250	581	143	510	15	300	3400

Fig. 520
Material: Carbon Steel Plate and Spindle.
Cast Iron Roller.

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Fig. 530 – Adjustable Roller Chair										
Size	NPS	A	B	D	F	H Min	H Max	L	T	W	Max Load Kg
1A	50	155	100	M16	145	124	162	210	12	150	180
1A	65	155	100	M16	145	130	168	210	12	150	180
1A	80	155	100	M16	145	140	178	210	12	150	180
1A	90	155	100	M16	145	146	184	210	12	150	180
1	100	203	100	M16	190	159	197	255	12	150	430
1	125	203	100	M16	190	175	213	255	12	150	430
1	150	203	100	M16	190	190	228	255	12	150	430
1	175	203	100	M16	190	205	243	255	12	150	430
2	200	133	114	M20	130	264	294	205	15	150	955
2	250	133	114	M20	130	293	323	205	15	150	955
3	300	203	145	M20	187	349	414	265	20	200	1385
3	350	203	145	M24	187	368	429	265	20	200	1385
4	400	247	150	M24	230	424	488	305	25	200	2255
4	450	247	150	M24	230	452	516	305	25	200	2255
4	500	247	150	M24	230	481	545	305	25	200	2255
5	550	254	178	M30	248	489	555	330	25	250	2765
5	600	254	178	M30	248	521	588	330	25	250	2765
6	650	432	230	M30	425	572	666	510	25	300	3400
6	700	432	230	M30	425	598	692	510	25	300	3400
6	750	432	230	M30	425	630	724	510	25	300	3400

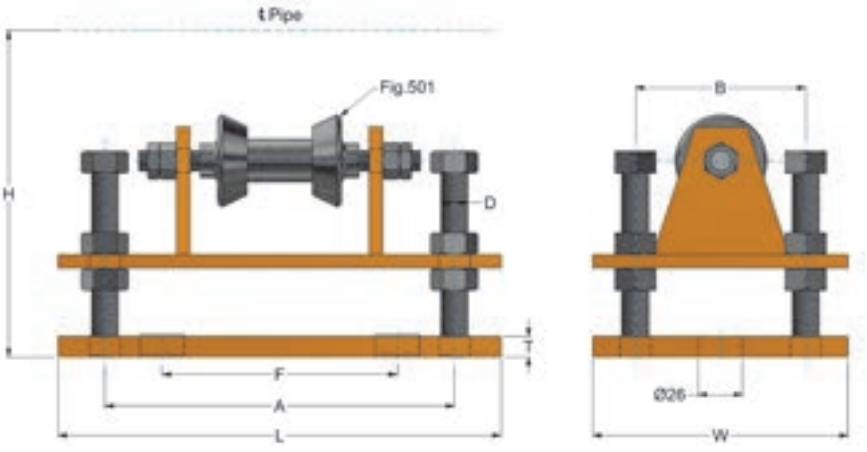


Fig. 530
Material: Carbon Steel Plate and Spindle.
Cast Iron Roller.

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Ancillary Equipment – Fig. 540, 550 & 580

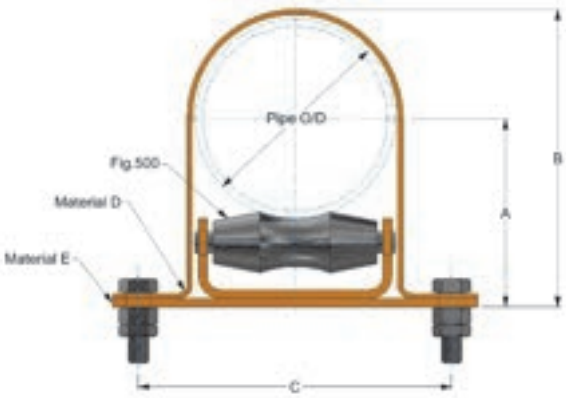


Fig. 540 – Roller Chair & Guide Strap								
NPS	Pipe O/D	A	B	Bolt	C	D	E	Max Load Kg
65	76.1	81	128	M12x40	140	40x3	40x5	290
80	88.9	88	137	M12x40	180	40x3	40x5	320
100	114.3	101	163	M12x40	180	40x3	40x5	340
125	139.7	125	205	M16x50	230	50x3	50x6	340
150	168.3	141	237	M16x50	230	50x3	50x6	480
200	219.1	200	322	M20x60	375	50x6	50x10	580
250	273	250	400	M24x70	430	50x6	50x12	770
300	323.9	289	469	M24x70	490	50x10	50x12	1060
350	355.6	335	530	M24x70	510	70x10	70x12	1380
400	406.4	363	586	M24x70	570	70x10	70x12	1790
450	457.2	410	665	M24x70	645	100x10	100x12	1880
500	508	440	720	M24x70	660	100x10	100x12	1965
600	609.6	515	850	M24x70	790	100x10	100x12	2750

Fig. 540
Material: Carbon Steel Flat Bar and Spindle.
Cast Iron Roller.

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Fig. 550 – Roller Support								
NPS	Pipe O/D	B	C	D	E	H	L	Max Load Kg
125	139.7	93	87	M12	54	115	160	315
150	168.3	93	102	M12	54	115	160	455
175	193.7	93	117	M12	54	115	160	455
200	219.1	153	133	M20	90	140	250	590
250	273	153	162	M20	90	140	250	770
300	323.9	205	190	M24	98	155	310	1043
350	355.6	205	206	M24	98	155	310	1225
400	406.4	232	235	M30	115	180	360	1395

Fig. 550
Material: Carbon Steel Spindle.
Cast Iron Roller.

Please Specify:-
- Figure Number:
- NPS:
- Finish:

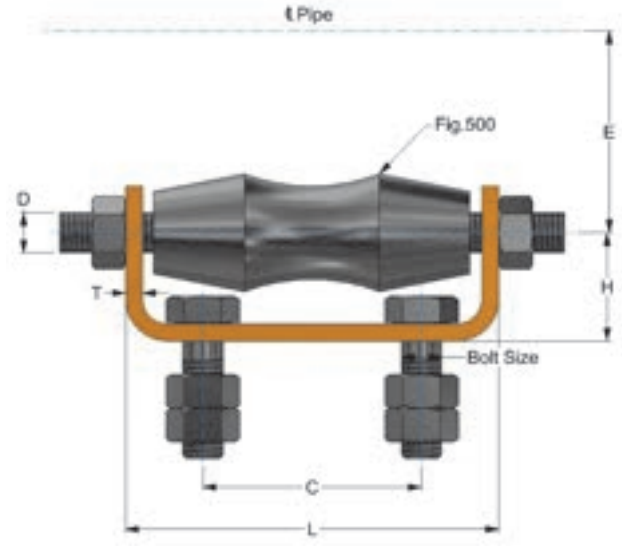


Fig. 580 - Roller Chair									
NPS	Pipe O/D	Bolt Size	C	D	E	H	L	Steel Size T	Max Load Kg
50	60.3	M10	45	M10	41	38	100	30x6	136
65	76.1	M10	45	M12	49	40	116	30x6	272
80	88.9	M10	45	M12	57	55	135	40x6	272
100	114.3	M10	65	M12	71	55	135	40x6	272
125	139.7	M12	75	M16	87	70	210	40x10	315
150	168.3	M12	85	M16	103	70	210	50x10	455
175	193.7	M16	100	M20	117	76	255	50x10	455
200	219.1	M16	115	M20	130	76	270	50x10	590
250	273	M20	125	M24	159	92	330	50x12	770
300	323.9	M20	150	M24	189	105	390	50x12	1043

Fig. 580
Material: Carbon Steel Plate and Spindle.
Cast Iron Roller.

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Ancillary Equipment – Fig. 560, 700MR, 710MR & 720MR

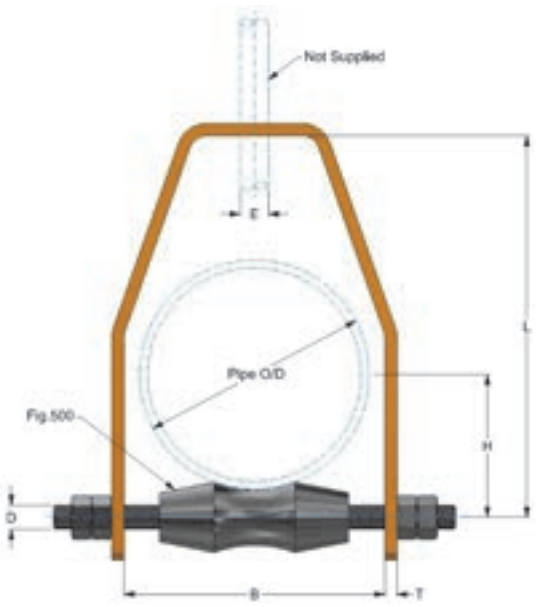


Fig. 560 - Roller Hanging Cage								
NPS	Pipe O/D	B	D	E	H	L	Steel Size T	Max Load Kg
25	33.7	45	M10	M10	27	89	30x6	60
32	42.4	55	M10	M10	32	89	30x6	60
40	48.3	60	M10	M10	35	95	30x6	60
50	60.3	65	M10	M10	41	108	30x6	70
65	76.1	80	M12	M12	49	124	40x6	105
80	88.9	115	M12	M12	57	160	40x6	140
100	114.3	130	M12	M12	71	190	40x6	215
125	139.7	170	M16	M16	87	213	50x6	310
150	168.3	200	M20	M16	103	250	50x6	355
175	193.7	225	M20	M20	117	283	50x6	355
200	219.1	255	M20	M20	130	319	50x10	355
250	273	305	M20	M24	159	381	50x12	435
300	323.9	355	M24	M24	189	435	50x15	435
350	355.6	390	M24	M24	213	467	65x15	545
400	406.4	440	M24	M24	240	520	80x15	635

Fig. 560
Material: Carbon Steel Flat Bar and Spindle
Cast Iron Roller

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Fig. 700MR – Pipe Ring				
NPS	Pipe O/D	H	Max Load Kg	T Rod Ø
10	17.1	24	82	M10
15	21.3	26	82	M10
20	26.6	28	82	M10
25	33.4	32	82	M10
32	42.1	36	82	M10
40	48.2	40	82	M10
50	60.3	46	82	M10
65	73	57	218	M12
80	88.9	65	218	M12
100	114.3	84	218	M12

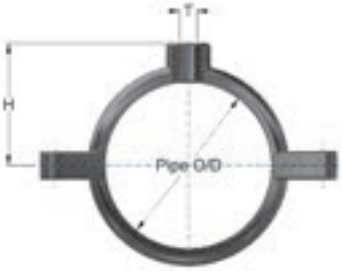


Fig. 700MR
Material: Malleable Iron

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Fig. 710MR – Pipe Ring Plate								
No	A	B	H1	H2	C	E	Max T	Max Load Kg
1	62	25	3	12	45	8	M10	82
2	62	25	3	12	45	8	M12	218
2A	70	30	3	12	48	8	M12	218
3	76	35	3	16	55	8	M20	250

Fig. 710MR
Material: Malleable Iron

Please Specify:-
- Figure Number:
- NPS:
- Tapping T:
- Finish:

Fig. 720MR – Extended Pipe Ring					
NPS	Pipe O/D	H	C	Max Load Kg	P
10	17.1	106	45	82	M10
15	21.3	108	45	82	M10
20	26.6	111	45	82	M10
25	33.4	114	45	82	M10
32	42.1	119	45	82	M10
40	48.2	122	45	82	M10
50	60.3	128	45	82	M10
65	73	133	55	218	M12
80	88.9	141	55	218	M12
100	114.3	160	55	218	M12

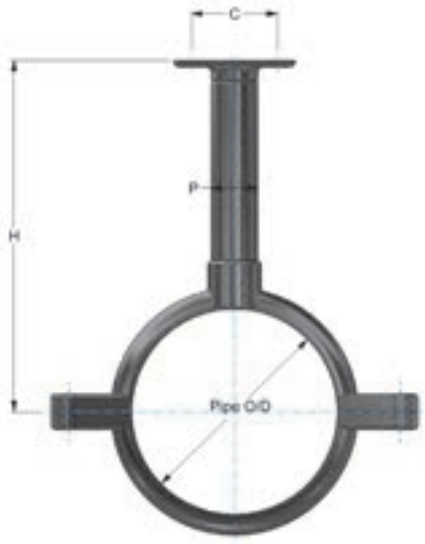


Fig. 720MR
Material: Malleable Iron Ring & Plate
Carbon Steel Rod

Please Specify:-
- Figure Number:
- NPS:
- Tapping Size P:
- Finish:

Ancillary Equipment – Fig. 127 & 128

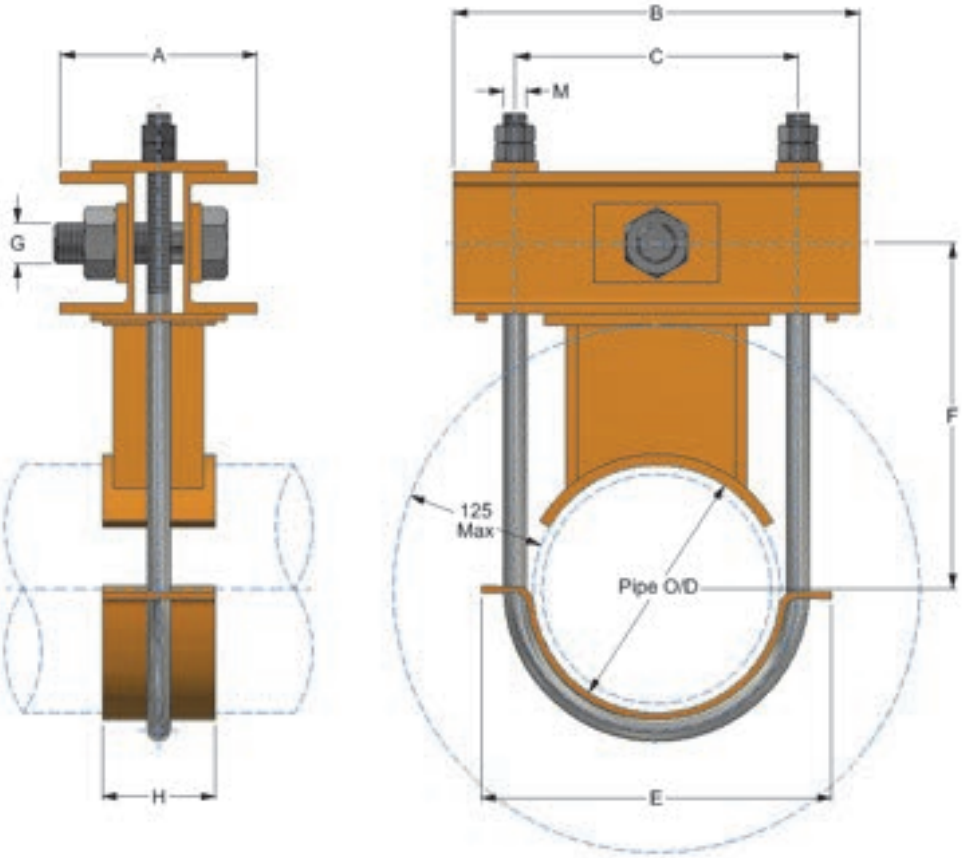


Fig. 127 – Standard Yoke Pipe Clamp											
NPS	Pipe O/D	A	B	C	D	E	F	G	Max Load Kg		
									550°C	580°C	600°C
200	219	184	360	256	M20	310	306	M36	5090	4635	3580
250	273	184	410	310	M20	360	334	M36	5090	4635	3580
300	323.9	184	460	362	M20	410	359	M36	5090	4635	3580
350	355.6	220	540	398	M24	460	387	M48	7320	7150	5520
400	406.4	220	590	448	M24	510	412	M48	7320	7150	5520
450	457.2	220	640	500	M24	570	438	M48	7320	7150	5520
500	508	220	705	562	M30	645	465	M56	11450	11170	8620
550	558.8	220	780	612	M30	725	490	M56	11450	11170	8620
600	609.6	220	805	664	M30	750	516	M56	11450	11170	8620
650	660.4	228	875	721	M30	805	556	M56	11450	11170	8620
700	711.2	228	925	772	M30	855	581	M56	11450	11170	8620
750	762	228	975	826	M30	915	612	M56	11450	11170	8620
800	812.8	236	1035	881	M36	970	638	M64	16490	15200	11730
900	914.4	236	1140	982	M36	1070	690	M64	16490	15200	11730

Fig. 127
Material: Yoke Carbon Steel.
U-Bolt Stainless Steel
Spacer Alloy Steel

Please Specify:-
- Figure Number:
- NPS:
- Insulation Thickness:
- Finish:

Fig. 128 – Heavy Duty Yoke Pipe Clamp											
NPS	Pipe O/D	A	B	C	D	E	F	G	Max Load Kg		
									550°C	580°C	600°C
200	219	220	360	260	M24	330	318	M48	7320	7150	5520
250	273	228	420	320	M30	390	346	M56	11450	11170	8620
300	323.9	228	475	372	M30	440	371	M56	11450	11170	8620
350	355.6	228	550	404	M30	465	400	M56	11450	11170	8620
400	406.4	228	600	454	M30	515	425	M56	11450	11170	8620
450	457.2	228	650	506	M30	580	451	M56	11450	11170	8620
500	508	236	710	568	M36	650	491	M64	16490	15200	11730
550	558.8	236	795	618	M36	730	529	M64	16490	15200	11730
600	609.6	236	815	670	M36	755	555	M64	16490	15200	11730
650	660.4	244	880	735	M42	815	582	M72	22440	19300	14910
700	711.2	244	950	785	M42	865	607	M72	22440	19300	14910
750	762	244	1115	838	M42	930	633	M72	22440	19300	14910
800	812.8	244	1160	888	M42	980	657	M72	22440	19300	14910
900	914.4	244	1215	988	M42	1080	709	M72	22440	19300	14910

Fig. 128
Material: Yoke Carbon Steel.
U-Bolt Stainless Steel
Spacer Alloy Steel

Please Specify:-
- Figure Number:
- NPS:
- Insulation Thickness:
- Finish:

Ancillary Equipment – Fig. 125, 126 & 131

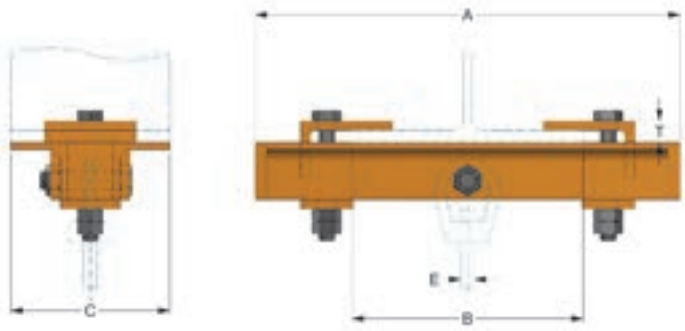


Fig. 125 – Adjustable Beam Attachment					
A	B	C	E (Max)	T	Max Load Kg.
B+150	*	140	M16	*	1045

Fig. 125
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Beam Width B*:
- Beam Flange Thickness T*:
- Finish:

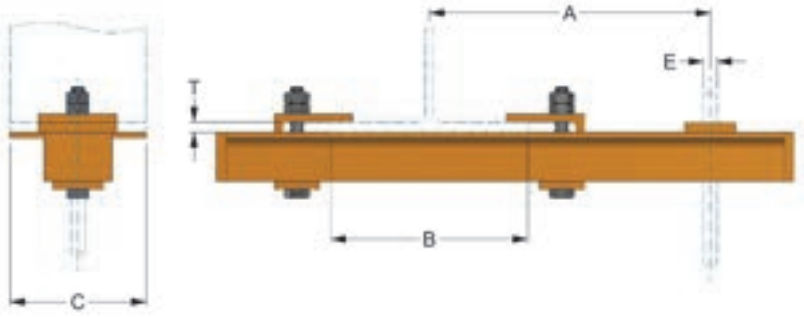


Fig. 126 – Adjustable Beam Attachment					
A	B	C	E (Max)	T	Max Load Kg.
Min = B/2 + 120	*	140	M16	*	1045

Fig. 126
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Beam Width B*:
- Beam Flange Thickness T*:
- Finish:

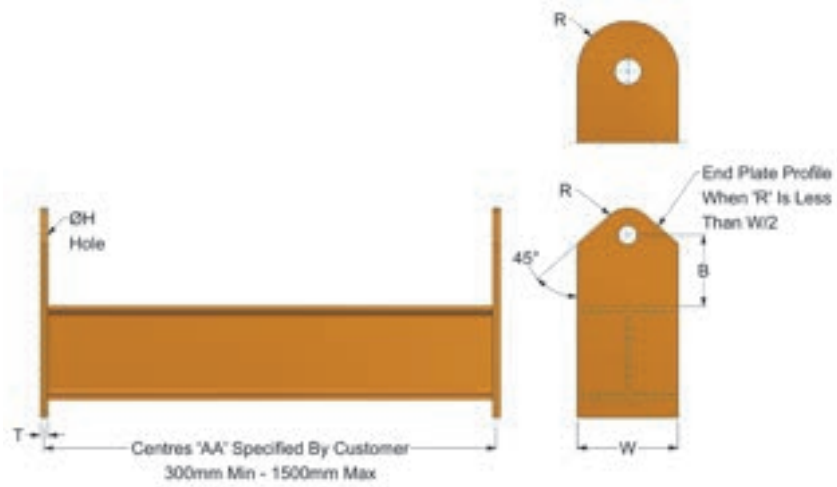


Fig. 131 – Trapeze Beam			
Size	Beam Sizes	End Plate	
	UC/SHS/HEB	W	B
1	80x80x6.3 SHS	90	65
2	100x100x20.4 HEB	140	90
3	120x120x26.7 HEB	170	120
4	152x152x30 UC	170	120
5	203x203x46 UC	225	150
6	203x203x71 UC	225	160
7	305x305x97 UC	325	190
8	356x368x153 UC	390	220

Fig. 131
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Centres:
- Hanging Rod Ø:
- Finish:

Fig. 131 – Load Table																
Size	Beam Size	Maximum Load (Kg) Rod Centres 'AA' (mm)														
		300	350	400	450	500	550	600	650	700	750	900	1050	1200	1350	1500
1	80x80	4075	3465	3055	2750	2445	2240	2140	1935	1835	1730	1425	1220	1020	915	815
2	100x100	6930	5910	5200	4585	4075	3770	3365	3160	2955	2750	2345	1935	1730	1525	1325
3	120x120	10500	9380	8155	7240	6525	5910	5400	4995	4690	4385	3670	3055	2750	2445	2140
4	152x152	17335	14985	13560	12030	10910	9890	9075	8360	7750	7240	6015	5200	4485	3975	3670
5	203x203			21210	19575	17640	16005	14680	13560	12540	11725	9785	8360	7340	6525	5810
6	203x203					29060	26510	24265	22430	20800	19370	16210	13865	12135	10805	9685
7	305x305							38745	35790	33240	30995	25900	22225	19370	17230	15495
8	356x368									64750	60365	50370	43235	37830	33650	30285

Fig. 131 – Rod Size Table														
Rod Size OD	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72	M80	M90
ØH	12	14	18	22	26	32	39	45	51	60	68	76	84	94
R	25	25	25	30	35	45	65	70	85	90	95	105	120	135
T	10	10	10	12	12	12	15	15	20	20	20	25	25	30
Max Load Per Rod (Kg)	380	560	1040	1630	2360	3750	5460	7480	9820	13560	17900	22740	28600	36000

Ancillary Equipment – Fig. 129 & 130

Fig. 129 – Fabricated Trapeze Support

Size	Channel Size	Maximum Load in Kg for Rod Centres (mm)														
		300	350	400	450	500	550	600	650	700	750	900	1050	1200	1350	1500
1	76x38	4075	3465	3055	2750	2445	2240	2140	1935	1835	1730	1425	1220	1020	915	815
2	100x50	6930	5910	5200	4585	4075	3770	3365	3160	2955	2750	2345	1935	1730	1525	1325
3	125x65	10500	9380	8155	7240	6525	5910	5400	4995	4690	4385	3670	3055	2750	2445	2140
4	150x75	17335	14985	13560	12030	10910	9890	9075	8360	7750	7240	6015	5200	4485	3975	3670
5	200x75			21210	19575	17640	16005	14680	13560	12540	11725	9785	8360	7340	6525	5810
6	260x75					29080	26510	24265	22430	20800	19370	16210	13865	12135	10805	9685
7	300x100							38745	35790	33240	30995	25900	22225	19370	17230	15495
8	430x100									64750	60365	50370	43235	37830	33650	30285

Rod Ø	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72	M80	M90
Hole Ø	16	18	22	30	33	43	48	56	64	74	84	94	102	112
Max Load Per Rod Kg	380	560	1040	1630	2360	3750	5480	7480	9820	13560	17900	22740	28600	36000

Channel Size		Spacer Plate						Max Rod Ø
Size	Channel	A	E	B	D	C	F	
1	76x38	20	6	120	120	20	55	30
2	100x50	30	6	140	140	20	70	42
3	125x65	40	8	190	190	25	85	48
4	150x75	40	8	200	200	25	85	48
5	200x75	40	8	230	230	30	110	56
6	260x75	50	10	250	250	40	135	64
7	300x100	50	10	320	320	45	150	72
8	430x100	60	15	340	340	60	180	90

Fig. 129
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Rod Centres:
- Rod Ø:
- Finish:

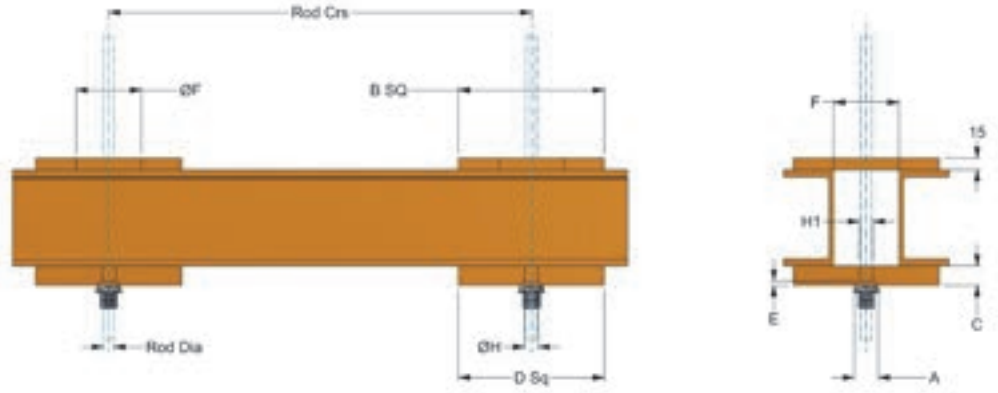


Fig. 129

Fig. 130 – Trapeze Beam

Size	Beam Size	Maximum Load in Kg for Rod Centres (mm)														
		300	350	400	450	500	550	600	650	700	750	900	1050	1200	1350	1500
1	HEA 100	4090	3485	3100	2900	2550	2350	2200	2000	1900	1820	1520	1300	1110	1030	905
2	HEB 100	6990	6000	5250	4600	4200	3850	3500	3250	3100	2900	2500	1935	1820	1610	1420
3	HEB 120	11000	9400	8200	7400	6650	6100	5550	5100	4800	4500	3800	3100	2900	2550	2300
4	152x152x30 UC	17500	15000	14000	12200	11000	10000	9250	8450	7900	7400	6150	5320	4600	4100	3800
5	203x203x46 UC			22000	19800	17800	16200	14820	13700	12600	11900	9920	8490	7450	6650	5950
6	203x203x71 UC					29200	26700	24400	22600	21000	19500	16400	14050	12300	10950	9800
7	305x305x97 UC							38900	35900	33400	31500	26100	22400	19500	17400	15620
8	356x368x153 UC									64900	60500	50500	43450	37950	33820	30450

Rod Ø	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72	M80	M90
A	40	40	40	45	45	55	65	75	80	85	90	100	105	115
Max Load Per Rod Kg	385	565	1050	1635	2370	3755	5475	7495	9840	13625	18010	22805	28700	36250

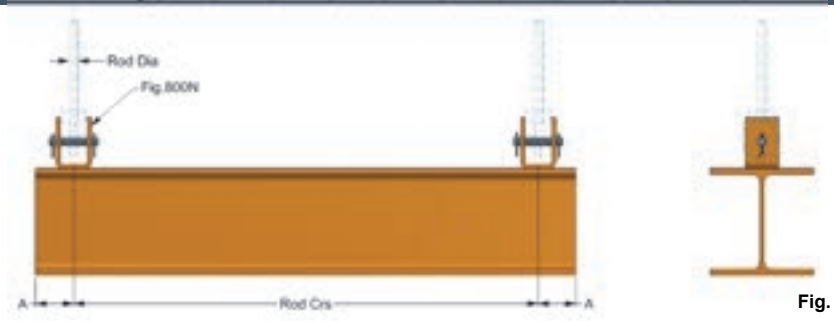


Fig. 130

Fig. 130
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Rod Centres:
- Rod Ø:
- Finish:

Ancillary Equipment – Fig. 610, 620 & 630

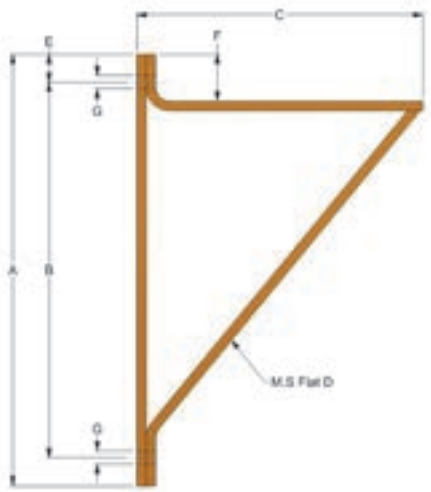


Fig. 610 – Steel Bracket							
Size	A	B	C	D	E	F	G
1	460	380	305	100x10	30	76	14
2	610	535	460	100x10	30	76	14
3	760	685	610	100x12	30	76	18
4	915	840	760	100x12	30	76	18
5	1070	990	915	100x15	30	76	22

Fig. 610
Material: Carbon Steel

Maximum Load: 230 Kg

Please Specify:-
- Figure Number:
- Size:
- Finish:

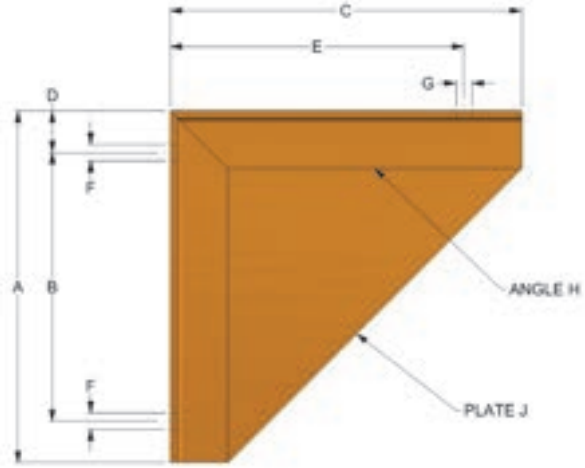


Fig. 620 – Wall / Steel Bracket								
Size	A	B	C	D	F	Angle H	Plate J	Max Load Kg
1	305	230	305	50	14	50x50x6	6	310
2	460	380	460	50	14	50x50x6	6	320
3	610	520	610	50	18	50x50x8	6	550
4	760	645	760	65	18	60x60x10	6	600
5	915	780	915	75	22	80x80x10	10	850

Fig. 620
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Distance from wall to centre of pipe (dim. E):
- Hole Size G:
- Finish:

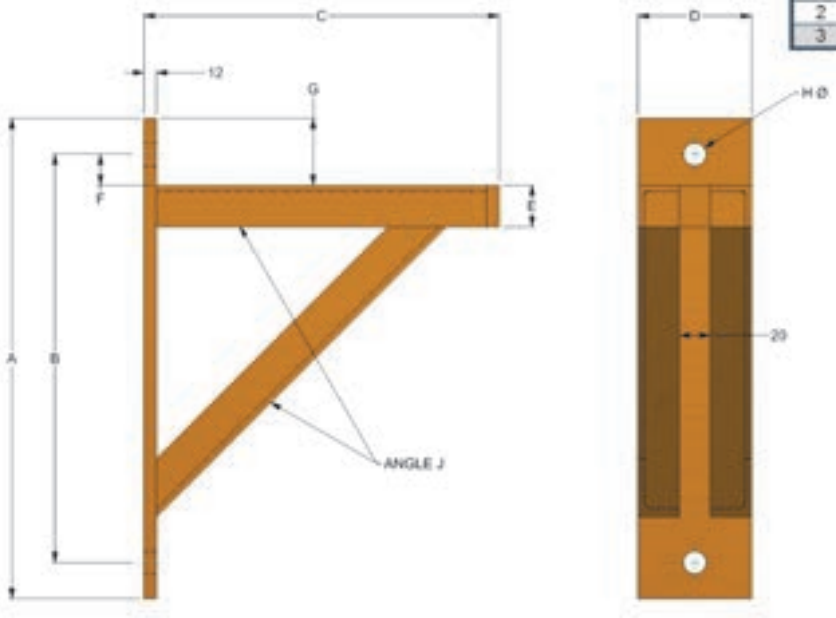


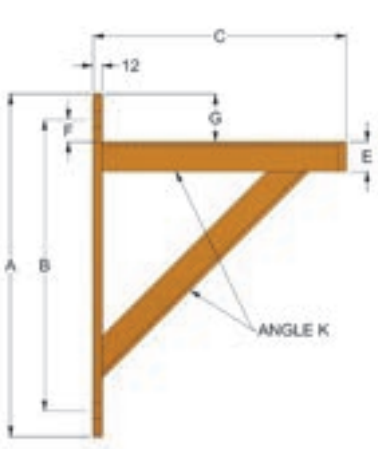
Fig. 630 Welded Steel Bracket (Moderate Load)									
Size	A	B	C	D	E	F	G	H	J
1	465	395	305	110	40	30	65	22	40x40x5
2	615	545	460	130	50	30	65	22	50x50x6
3	770	700	610	130	50	30	65	22	50x50x6

Fig. 630
Material: Carbon Steel

Maximum Load: 700 Kg

Please Specify:-
- Figure Number:
- Size:
- Finish:

Ancillary Equipment – Fig. 640, 703 & 805



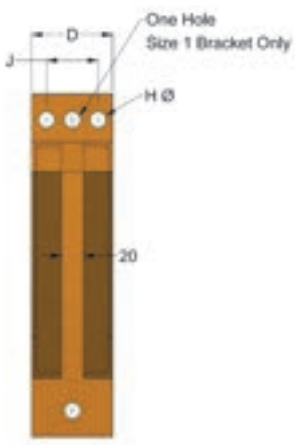


Fig. 640 Welded Steel Bracket (Heavy Load)										
Size	A	B	C	D	E	F	G	H	J	K
1	470	390	305	110	40	30	70	22	–	40x40x6
2	615	545	460	130	50	35	70	22	70	50x50x8
3	760	700	610	130	65	40	70	26	65	50x50x8
4	925	845	765	130	65	40	80	26	65	50x50x8
5	1075	990	915	160	100	40	80	26	90	65x65x10
6	1270	1170	1065	160	100	40	90	26	90	65x65x10

Fig. 640
Material: Carbon Steel

Maximum Load: 1360 Kg

Please Specify:-
- Figure Number:
- Size:
- Finish:

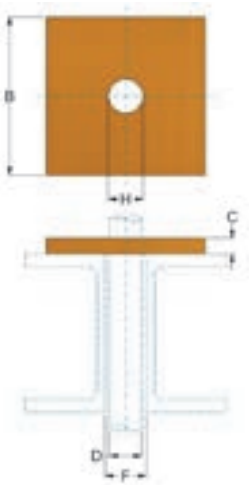


Fig. 805
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Size:
- Rod Ø:
- Finish:

Fig. 805 – Steel Square Plate						
Size	B Sq	C	D	F	H	Max Load Kg
1	80	6	M10	15	12	380
2	80	6	M12	18	14	560
3	80	10	M16	22	18	1040
4	100	10	M20	26	22	1630
6	100	12	M24	32	26	2360
7	100	15	M30	38	32	3750
9	130	15	M36	48	40	5460
10	130	20	M42	54	46	7480
11	130	20	M48	64	52	9820
12	150	20	M56	70	60	13560
13	200	30	M64	78	68	17900
14	200	30	M72	92	76	22740
15	250	30	M80	110	84	28600
16	300	40	M90	120	94	36000
17	300	40	M100	140	104	44700

Fig.805: For non-angulation of sling rod.

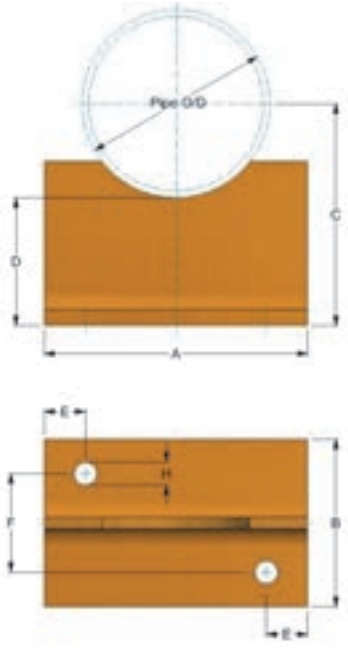


Fig. 703 – Pipe Chair										
NPS	Pipe O/D	A	B	C	D	E	F	H	Cut from UB Size	Max Load Kg
80	88.9	110	102	110	65	20	60	12	254x102x28	210
100	114.3	160	102	135	78	25	60	14	254x102x28	270
125	139.7	190	102	155	85	25	60	14	254x102x28	590
150	168.3	225	102	168	84	25	60	14	305x102x28	680
200	219.1	275	102	205	95	35	60	18	305x102x28	990
250	273	330	140	230	94	35	80	18	406x140x46	1400
300	323.9	380	140	270	108	35	80	18	406x140x46	1700

Fig. 703
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Finish:

Ancillary Equipment – Fig. 690, 700, 701 & 702

Fig.690

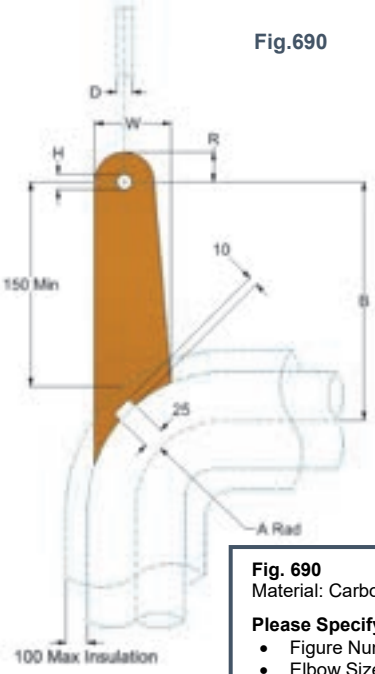


Fig. 690
Material: Carbon Steel

Please Specify:-
- Figure Number:
- Elbow Size:
- Rod Ø:
- Finish:

Fig. 690 – Elbow Hanger (SRWE)											
D Rod	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72
Max Load Kg	560	1040	1630	2360	3750	5460	7480	9820	13560	17900	22740
Thickness	6	10	10	12	15	20	25	25	25	25	25
W	90	90	90	125	125	175	175	215	220	260	300
R	25	35	40	50	60	75	85	95	110	130	150
H	15	18	22	27	32	39	48	53	59	69	79

Fig. 690 – Elbow Hanger (SRWE)													
NPS	65	80	90	100	125	150	200	250	300	350	400	450	500
Pipe O/D	76.1	88.9	101.6	114.3	139.7	168.3	219.1	273	323.9	355.6	406.4	457	508
B	278	278	280	288	292	297	308	320	327	328	337	342	354
A	64	76	89	102	127	152	203	254	305	356	406	457	508

Fig. 690 – Elbow Hanger (LRWE)											
D Rod	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72
Max Load Kg	560	1040	1630	2360	3750	5460	7480	9820	13560	17900	22740
Thickness	6	10	10	12	15	20	25	25	25	25	25
W	90	90	90	125	125	175	175	200	220	260	300
R	25	35	40	50	60	75	85	95	110	130	150
H	15	18	22	27	32	39	48	53	59	69	79

Fig. 690 – Elbow Hanger (LRWE)													
NPS	65	80	90	100	125	150	200	250	300	350	400	450	500
Pipe O/D	76.1	88.9	101.6	114.3	139.7	168.3	219.1	273	323.9	355.6	406.4	457	508
B	264	268	270	272	268	266	262	257	245	226	220	215	205
A	95	114	133	152	190	229	305	381	457	533	610	686	762

Fig.700 / 701

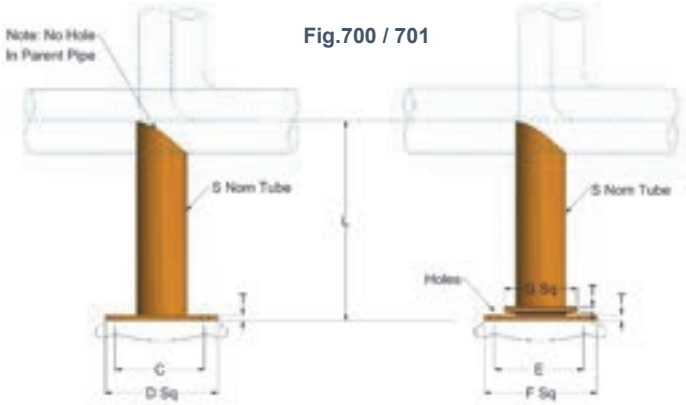


Fig. 700 / 701 – Rigid / Sliding Base Support											
NPS	Pipe O/D	Max L	C	D	E	F	G	Holes H	T	S Nom Tube	Max Vertical Load Kg
65	76.1	300	114	150	165	200	100	2 x 14	6	50	205
80	88.9	300	114	150	165	200	100	2 x 14	6	50	365
90	101.6	300	114	150	165	200	100	2 x 14	6	50	454
100	114.3	600	152	200	215	265	130	4 x 22	10	80	544
125	139.7	600	152	200	215	265	130	4 x 22	10	80	907
150	168.3	600	152	200	215	265	130	4 x 22	10	80	1134
200	219.1	600	203	250	250	300	160	4 x 22	10	100	1360
250	273	600	203	250	250	300	190	4 x 22	10	150	1724
300	323.9	600	241	300	250	300	190	4 x 22	10	150	1814
350	355.6	600	241	300	300	350	220	4 x 22	12	150	2721
400	406.4	900	290	350	300	350	240	4 x 22	12	200	2948
450	457	900	290	350	300	350	240	4 x 22	12	200	3175
500	508	1100	330	400	360	430	300	4 x 26	15	250	3630
600	610	1100	330	400	360	430	300	4 x 26	15	250	4080

Note: Please specify if being used on horizontal pipe, either long radius elbow or short radius elbow.

Fig. 700 & 701
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Height L:
- Finish:

Fig.702

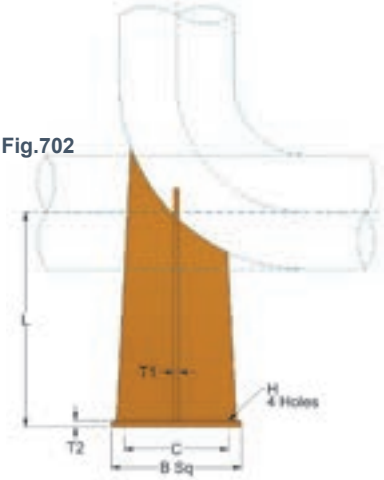


Fig. 702 – Base Anchor								
NPS	Pipe O/D	B	C	H	T1	T2	Max Vertical Load Kg	Max L
100	114.3	150	115	14	6	10	600	250
125	139.7	200	150	22	6	10	900	250
150	168.3	200	150	22	6	10	1200	300
200	219.1	250	200	22	10	12	1500	300
250	273	250	200	22	10	12	1750	350
300	323.9	300	240	22	10	12	2250	350
350	355.6	300	240	22	10	12	3000	400
400	406.4	350	290	22	10	12	3500	450
450	457	400	340	22	10	12	4000	500
500	508	500	420	26	10	15	4500	550
600	610	600	520	26	10	15	5000	650

Note: Please specify if being used on horizontal pipe, either long radius elbow or short radius elbow.

Fig. 702
Material: Carbon Steel

Please Specify:-
- Figure Number:
- NPS:
- Height L:
- Finish: