



CPA ANCILLARIES



BEAM ATTACHMENTS



RODS & CONNECTORS



PIPE ATTACHMENTS



STEELWORK FABRICATIONS

CPA design and manufacture wide range of Ancillary equipment.

Ancillaries are divided into 4 categories:

1. Beam Attachments
2. Rods & Connectors
3. Pipe Attachments
4. Steelwork Fabrication

STANDARD CODE OF PRACTICE

All piping systems shall be supported by means of supports satisfactory to the designing engineer and having an individual means of vertical adjustment for levelling of lines after piping is in place.

Adjustable hanger supports will be provided with either turnbuckle integral with sling rod assembly or threaded rod passing through support structure with rocker washer and nuts.

Roll Supports may be used on piping where there is longitudinal movement due to temperature changes.

Pipe Covering Protection Saddles should be used on steam supply and return piping with a roll of sufficient size to take the saddle.

Supports to be spaced so as to prevent sag of the pipe and to ensure proper drainage of the pipe line.

Variable Spring Supports shall be located at points that are subjected to vertical thermal movement and where a variation in load up to 25% is allowable.

Constant Support Hangers shall be installed where the piping is subjected to vertical movement and where minimum variation in supporting force is required. The following conditions are desirable.

- a) The sum of the pipeline weights must equal the sum of the supporting forces.
- b) The sum of the moments of piping weight at their center of gravity and the supporting forces shall be equal to zero.
- c) Constant Support Hangers must be calibrated to support the calculated load of the piping system.

Vibration Controls shall be instilled in flexible lines where required to dampen vibration or lateral movement.

Anchors shall be installed to permit the line to take up its expansion and contraction freely in opposite directions away from the anchored point and shall be so designed for the particular location and loading conditions.

Where Expansion Joints are used Pipe Guides shall be installed to allow the expansion and contraction of the pipe line to move freely within the expansion joint.

Maximum spacing of supports

Nominal Diameter	15	20	25	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Nominal Pipe Size	0.5"	0.75"	1"	1.5"	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Span Metres	2.0	2.5	3.0	3.5	4.0	4.5	5.5	6.0	6.5	7.0	8.5	9.0	10.0	10.0	10.5	11.0	12.0	14.0

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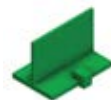
BEAM ATTACHMENTS

			
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RODS & CONNECTORS

					
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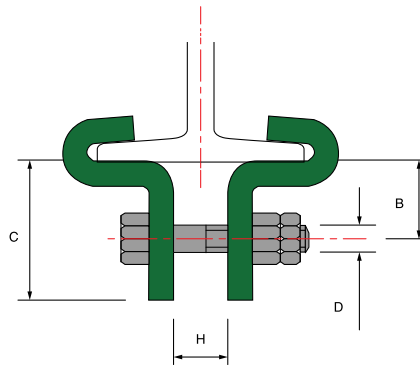
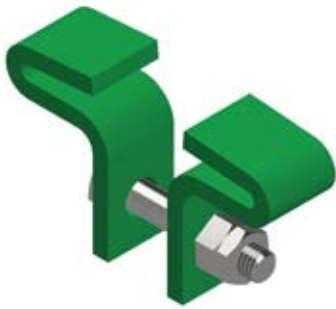
PIPE ATTACHMENTS

					
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STEELWORK FABRICATIONS

	
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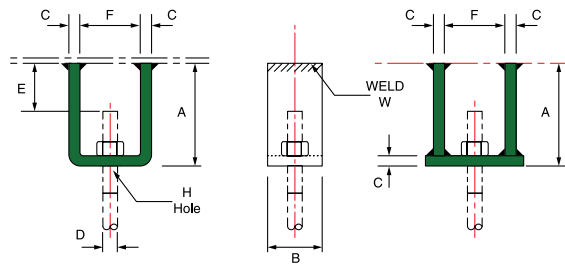
BEAM CLAMP - FIG 15



Material: Carbon Steel.
When ordering specify:
 Figure No.
 Size
 Beam Flange Width A
 Beam Flange Thickness

Size	A	B	C	D	H	Mat size	Max load (kg)
1	76-203	30	45	M12	16	30x6	320
2	76-203	45	60	M12	20	40x10	400
3	76-203	45	70	M16	20	50x10	450
4	76-254	50	80	M20	24	50x12	680

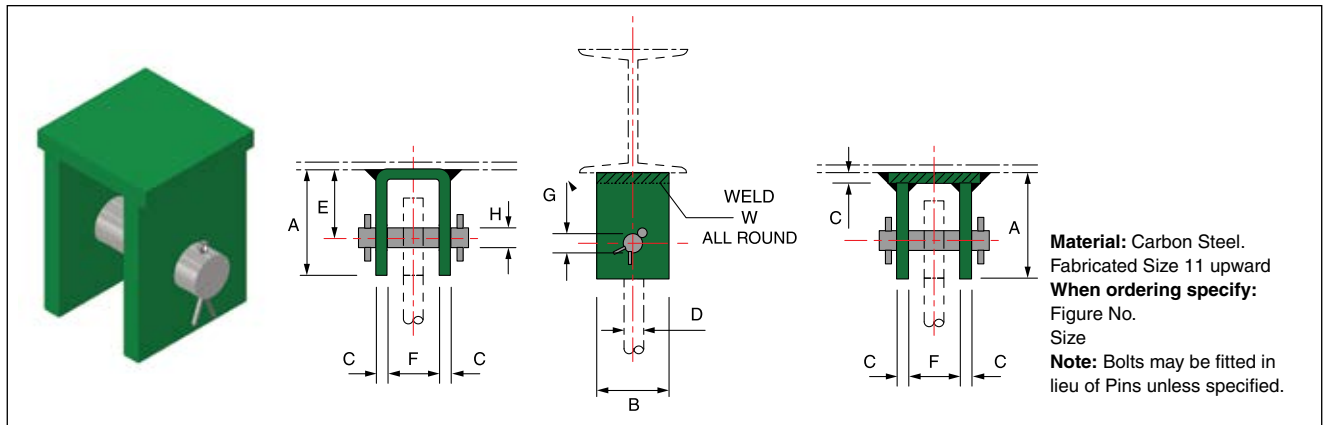
BEAM WELDING ATTACHMENT - FIG 113A



Material: Carbon Steel.
 Fabricated Size 10 upward
When ordering specify:
 Figure No.
 Size

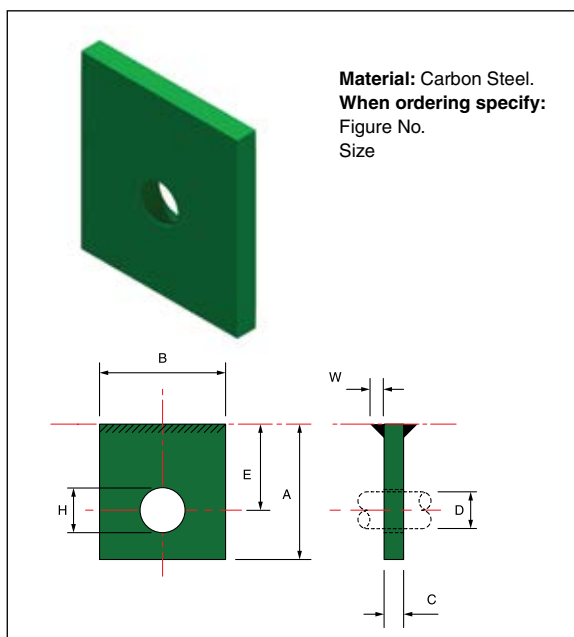
Size	D	A	BxC	E	F	H	Min Weld W	Max Load (kg)
1	M10	75	50x6	30	40	12	3	380
2	M12	75	50x6	30	40	14	3	560
3	M16	85	80x10	30	60	18	3	1040
4	M20	85	80x10	30	70	22	4	1630
6	M24	115	100x12	40	75	26	4	2360
7	M30	120	100x15	40	110	32	5	3750
9	M36	165	150x15	60	120	39	5	5460
10	M42	200	150x20	70	140	45	6	7480
11	M48	210	150x25	70	175	51	6	9820
12	M56	240	180x25	85	185	60	8	13560
13	M64	250	180x30	85	220	68	8	17900
14	M72	260	200x30	85	230	76	8	22740

BEAM WELDING ATTACHMENT - FIG 113B



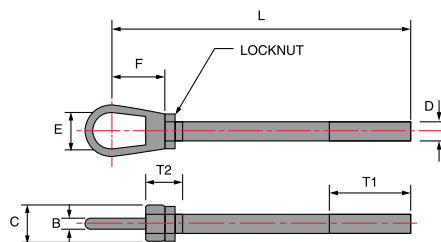
Size	A	BxC	D	E	F	Pin GxN	Min Weld W All Round	S/Pin Size	Hole H	Max Load (kg)
1	50	50x6	M10	30	30	10x60	3	3x30	12	380
2	65	50x6	M12	40	30	12x60	3	3x30	14	560
3	70	50x6	M16	45	30	16x60	3	3x30	18	1040
4	85	80x10	M20	55	35	20x70	4	3x40	22	1630
6	110	80x10	M24	70	40	24x80	4	3x40	26	2360
7	125	100x12	M30	80	50	30x100	5	4x50	32	3750
9	160	130x15	M36	100	70	36x125	5	4x60	39	5460
10	180	130x15	M42	110	90	42x140	6	5x70	45	7480
11	210	150x20	M48	130	90	48x160	6	5x70	51	9820
12	235	180x20	M56	145	100	56x170	8	5x80	60	13560
13	255	200x20	M64	160	110	64x180	8	8x90	68	17900
14	280	220x25	M72	180	120	72x200	8	8x100	76	22740
15	300	250x25	M80	200	130	80x220	10	8x100	84	28600
16	335	300x30	M90	220	140	90x240	10	10x120	94	36000
17	375	300x40	M100	260	150	100x280	10	10x120	104	44700

WELDING LUG - FIG 114



Size D	A	BxC	E	H	Min Weld W	Max load (kg)
M10	55	50x6	30	12	3	380
M12	65	50x6	40	14	3	560
M16	75	50x6	50	18	3	1040
M20	90	80x10	60	22	5	1630
M24	115	80x10	80	26	5	2360
M30	135	100x12	90	32	7	3750
M36	175	130x15	110	39	7	5460
M42	200	130x15	130	45	8	7480
M48	230	150x20	150	51	8	9820
M56	260	180x20	170	60	10	13560
M64	295	200x20	200	68	10	17900
M72	325	220x25	220	76	12	22740
M80	340	250x25	240	84	12	28600
M90	385	300x30	270	94	12	36000
M100	415	300x40	300	104	12	44700

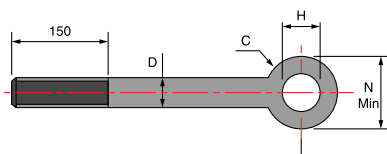
COMPOSITE EYE ROD - FIG 395



Material: Carbon Steel.
When ordering specify:
 Figure No.
 Size
 Length L and Thread Length
 T1 if not standard
Thread: Standard Right Hand
 Left Hand supplied on request.

Size D	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72
B	12	12	12	15	15	20	20	40	40	40	40	47
C	38	38	38	50	50	70	70	105	105	105	105	130
E	25	25	25	35	35	47	47	72	72	72	72	100
F	56	56	56	94	94	125	125	239	239	239	239	233
T1	150	150	150	150	150	250	250	250	250	250	250	250
T2	50	50	50	50	50	80	80	110	130	130	130	150
Max Load (kg)	380	560	1040	1630	2360	3750	5460	7480	9820	13560	17900	22740

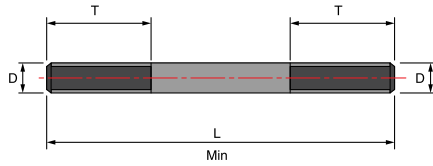
SOLID FORGED EYE ROD - FIG 393



Material: Forged Steel.
When ordering specify:
 Figure No.
 Size
 Length and Thread Length if not standard
Thread: Standard Right Hand
 Left Hand supplied on request.
 L = Longer than 300mm will be supplied including Rod Connector Fig 123

Size D	M10	M12	M16	M20	M24	M30	M36	M42
C	7	9	12	14	17	21	26	30
H	16	18	22	26	30	36	42	48
N	30	36	46	54	64	78	94	108
Max Load (kg)	380	560	1040	1630	2360	3750	5460	7480

MACHINE THREAD ROD - FIG 133

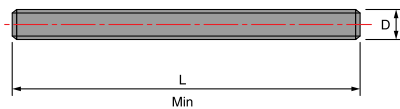


Material: Carbon Steel:
For any rods ordered with machine threads longer than the standard length shown, or with Left Hand threads, there may be an additional charge. Larger sizes available on request.

When ordering specify:
Figure No.
Size
Length L and Thread T if not standard

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

ALL THREAD HANGER ROD - FIG 94



Material: Carbon Steel.
Supplied in 1-2 and 3 metre lengths only. Self coloured.
For available lengths of galvanised rods see table.
Large Diameters available on request.

When ordering specify:
Figure No.
Size

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
L Max Galvanised	1000	1000	1000	1500	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

STEEL HEXAGON NUT / STEEL ROUND WASHER- FIG 165, FIG 103

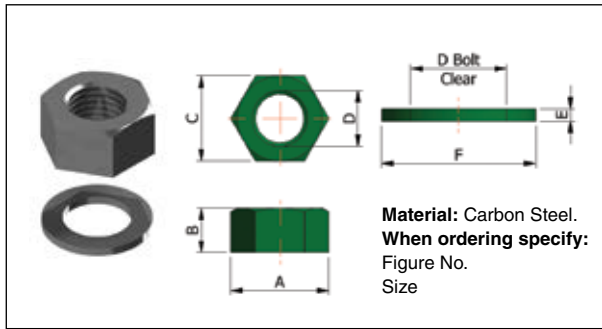


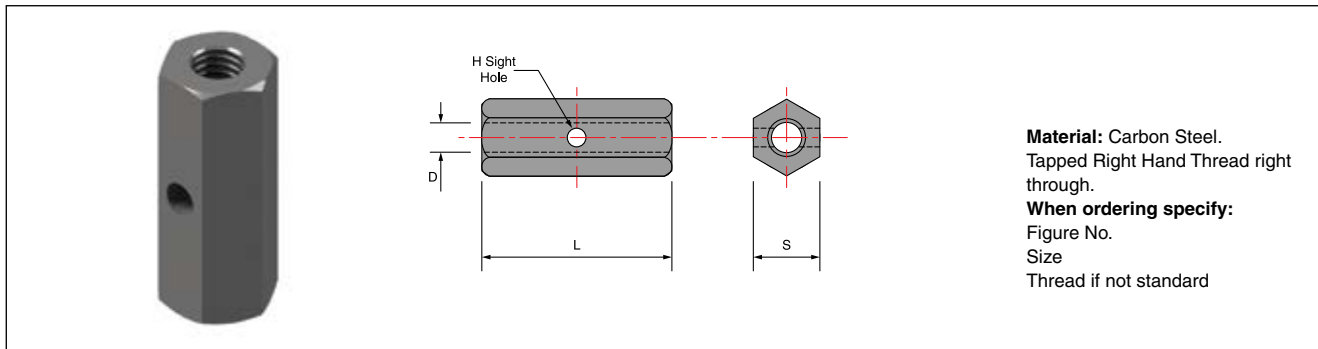
FIG 165 - STEEL HEXAGON NUT

Size D	M6	M8	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64
A	11	15	20	22	28	35	42	53	64	75	87	98	110
B	5	6.5	8	10	13	16	19	24	29	34	38	45	51
C	11	13	17	19	24	30	36	46	55	65	75	85	95

FIG 103 - STEEL ROUND WASHER

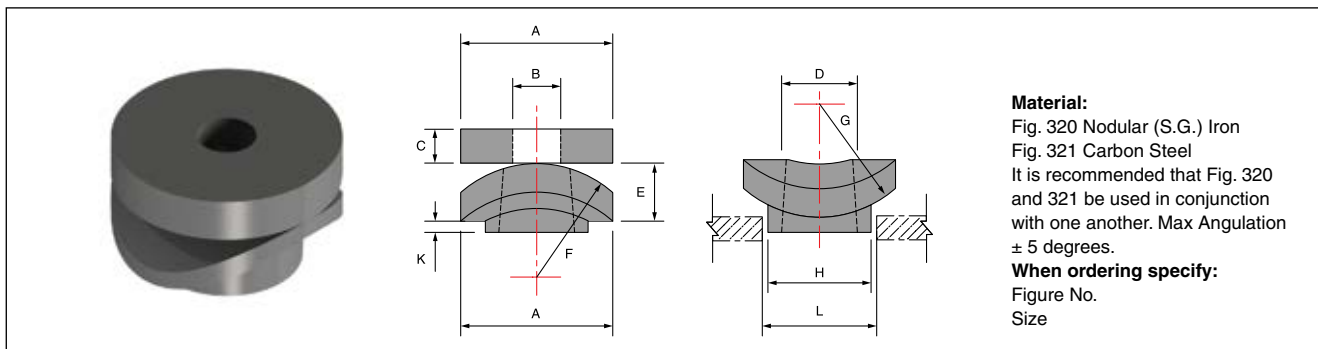
E	1.5	1.5	2	2.5	3	3	4	4	5	7	8	9	9
F	12.5	17	21	24	30	37	44	56	66	78	92	105	115

STEEL ROD COUPLING (R H THREAD) - FIG 123



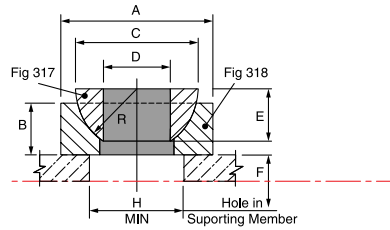
Size D	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72	M80	M90
L	45	45	55	55	70	75	110	120	130	150	175	200	225	225
H	6	6	6	6	8	8	8	10	10	10	10	10	10	10
S	17	19	24	30	36	46	55	65	75	85	95	115	115	130
Max Load (kg)	380	560	1040	1630	2360	3750	5460	7480	9820	13560	17900	22740	28600	36000

DUAL FACED ROCKING WASHER, FLAT WASHER - FIG 320, FIG 321



Size Rod Dia	A	B	C	D	E	F	G	H	K	L	Max Load (kg)
M12	50	13	10	20	16	32	32	33	5	38	1040
M16	50	17	10	20	16	32	32	33	5	38	1040
M20	65	21	15	28	24	48	48	44	5	49	2360
M24	65	26	15	28	24	48	48	44	5	49	2360
M30	98	32	20	40	36	72	72	59	5	66	5460
M36	98	38	20	40	36	72	72	59	5	66	5460
M42	114	45	25	46	42	84	84	67	6	74	7480
M48	130	52	30	52	48	96	96	75	7	82	9820
M56	151	60	35	60	56	112	112	86	8	93	13560
M64	173	68	40	69	64	128	128	96	10	104	17900
M72	194	76	45	77	72	144	144	107	11	115	22740

HEMISPHERICAL WASHER, HEMISPHERICAL CUP - FIG 317, FIG 318

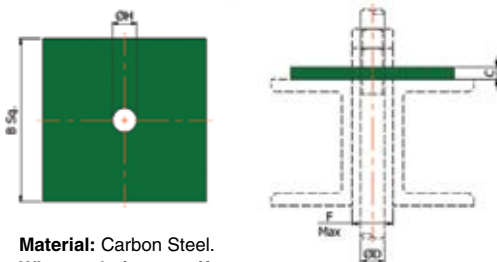
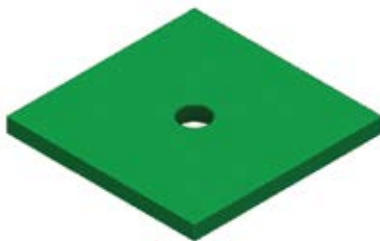


Material: Malleable Iron up to and including M30 BS6681W40-05. Alternative Carbon Steel M36 upwards.

When ordering specify:
Figure No.
Rod Diameter

Size Rod Dia	Fig 318		Fig 317			F	D	H	Max Load (kg)
	A	B	C	E	R				
M6	25	9	19	8	10	3	8	17	135
M8	28	10	22	10	11	3	10	20	240
M10	32	12	25	12	12	5	12	24	380
M12	35	12	28	12	14	5	14	27	560
M16	41	16	34	16	17	6	18	33	1040
M20	54	19	44	19	22	6	22	38	1630
M24	67	25	57	25	28	8	26	45	2360
M30	86	32	76	32	38	10	33	55	3750
M36	100	35	80	35	40	10	40	65	5460
M42	102	38	89	38	44	12	46	65	7480
M48	120	40	100	40	50	12	52	75	9820
M56	130	45	110	45	55	15	60	85	13560
M64	150	50	120	50	60	15	68	95	17900
M72	165	55	135	55	68	15	76	102	22740
M80	180	60	150	60	75	20	84	115	28600
M90	200	70	170	70	85	20	95	125	36000

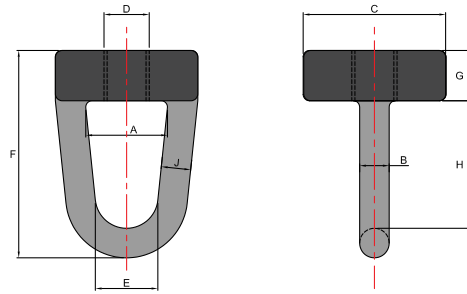
STEEL SQUARE PLATE - FIG 102



Material: Carbon Steel.
When ordering specify:
Figure No.
Size
Rod Dia D

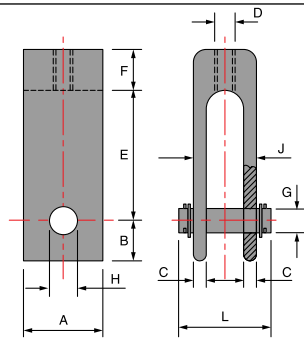
Size D	B Sq.	C	Max F	H	Max Load (kg)
M10	80	6	15	12	380
M12	80	6	18	14	560
M16	80	10	22	18	1040
M20	100	10	26	22	1630
M24	100	12	32	26	2360
M30	100	15	38	32	3750
M36	130	15	48	40	5460
M42	130	20	54	46	7480
M48	130	20	64	52	9820
M56	150	20	70	60	13560
M64	200	30	78	68	17900
M72	200	30	92	76	22740
M80	250	30	110	84	28600
M90	300	40	120	94	36000
M100	300	40	140	104	44700

WELDLESS EYE NUT (BOW) - (LEFT HAND THREAD), (RIGHT HAND THREAD) - FIG 279L, FIG 279R



Size D	A	B	C	E	F	G	H	J	Max Load (kg)
M8	25	12	38	25	80	18	51	12	240
M10	25	12	38	25	80	18	51	12	380
M12	25	12	38	25	80	18	51	12	560
M16	25	12	38	25	80	18	51	12	1040
M20	35	15	50	35	130	28	84	19	1630
M24	35	15	50	35	130	28	84	19	2360
M30	47	20	70	47	175	45	104	27	3750
M36	47	20	70	47	175	45	104	27	5460
M42	72	40	105	72	315	72	196	40	7480
M48	72	40	105	72	315	72	196	40	9820
M56	72	40	105	72	315	72	196	40	13560
M64	72	40	105	72	315	72	196	40	17900
M72	130	47	130	100	330	80	203	47	22740

STEEL CLEVIS - FIG 276P

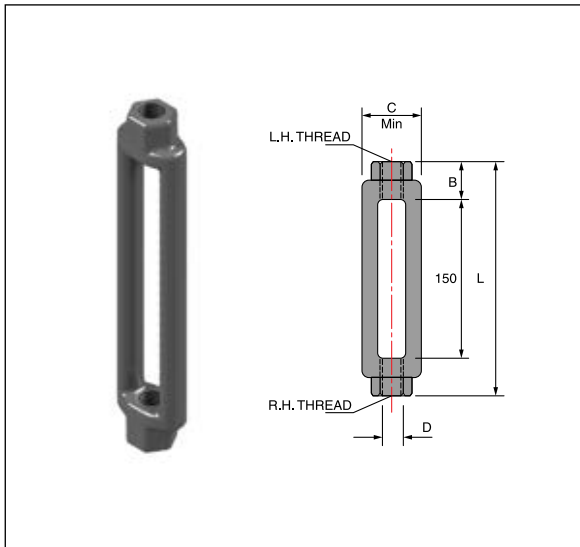


Material: Carbon Steel.
Larger sizes available on request.
Supplied with suspension pin.
(Bolts may be fitted in lieu of pins unless specified).

When ordering specify:
Figure No.
Size
Rod Size Tapping D
Pin Hole Clearance H

Size D	A	B	C	E	F	G	H	J	L	Max Load (kg)
M10	30	19	10	82	32	10	12	38	55	380
M12	30	19	10	82	32	12	14	38	55	560
M16	45	33	10	68	32	16	18	50	65	1040
M20	45	33	10	68	32	20	22	50	65	1630
M24	65	38	12	63	32	24	26	58	80	2360
M30	65	38	12	63	32	30	32	58	80	3750
M36	70	45	12	152	41	36	39	80	100	5460
M42	90	51	12	152	44	42	45	85	105	7480
M48	100	64	16	178	57	48	51	102	140	9820
M56	130	76	19	203	70	56	60	127	165	13560
M64	130	76	19	203	70	64	68	127	165	17900
M72	140	90	22	235	80	72	76	140	175	22740
M80	150	110	40	260	105	80	84	180	220	28600
M90	175	125	45	295	120	90	95	205	290	36000

TURNBUCKLE (FORGED) - FIG 132



Size D	B	C	L	Max Load (kg)
M10	17	28	184	380
M12	20	31	190	560
M16	26	41	202	1040
M20	32	49	214	1630
M24	39	59	228	2360
M30	53	67	256	3750
M36	58	78	266	5460
M42	68	92	286	7480

Material: Forged Steel.

Turnbuckles can be supplied with longer opening on request

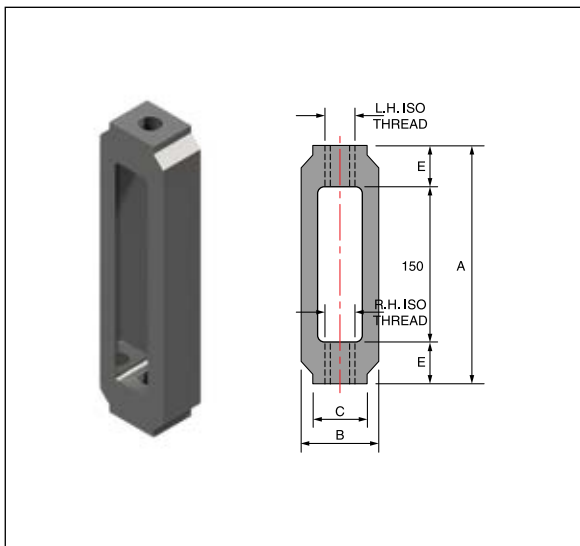
When ordering specify:

Figure No.

Size

Thread if not Standard

STEEL TURNBUCKLE - FIG 132P



Size D	A	B	C	E	Max Load (kg)
M24	200	65	35	25	2360
M30	210	83	50	30	3750
M36	210	83	50	30	5460
M42	230	91	65	40	7480
M48	250	92	75	50	9820
M56	250	113	85	50	13560
M64	270	124	95	60	17900
M72	300	150	105	75	22740

Material: Carbon Steel.

Turnbuckles can be supplied with longer opening on request

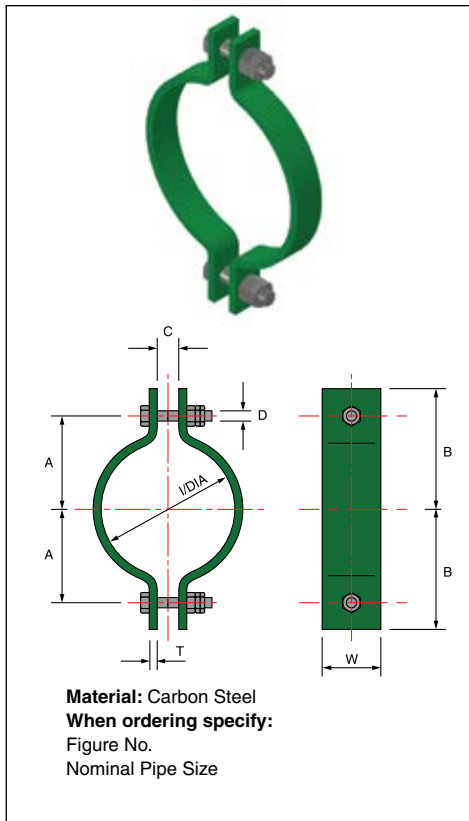
When ordering specify:

Fig No.

Size

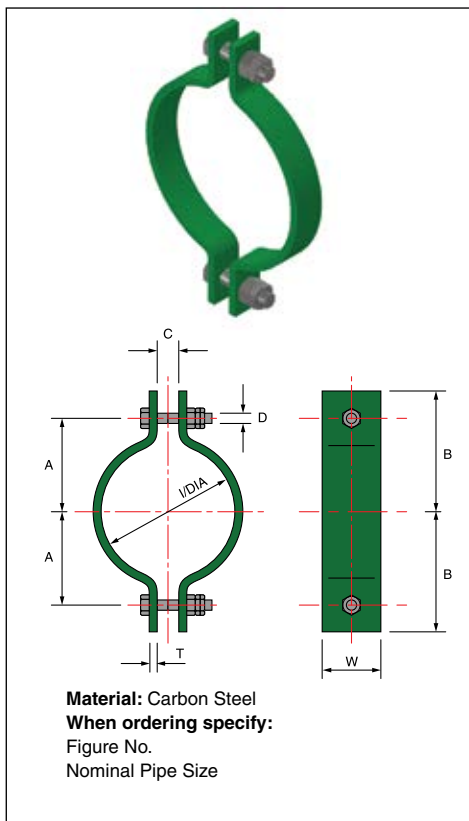
Thread if not Standard

2 BOLT PIPE CLAMP - FIG 175 (LIGHT)



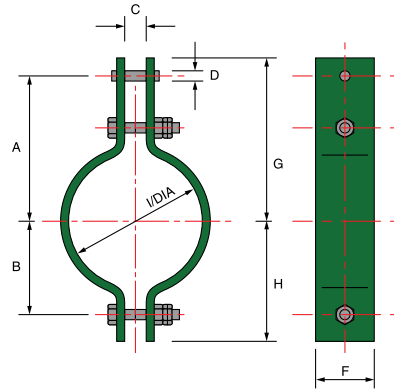
Nom Pipe Size	Pipe OD	Clip I/D	A	B	C	Bolt D	Matl WxT	Max Load (kg) 400°C
15	21.3	23	32	51	12	M10	25x3	225
20	26.9	28	32	51	12	M10	25x3	225
25	33.7	36	38	57	12	M10	25x3	225
32	42.4	44	44	63	12	M10	25x3	225
40	48.3	50	51	70	12	M10	30x6	365
50	60.3	62	57	76	16	M12	30x6	455
65	76.1	80	70	89	16	M12	30x6	455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

2 BOLT PIPE CLAMP - FIG 298 (HEAVY)



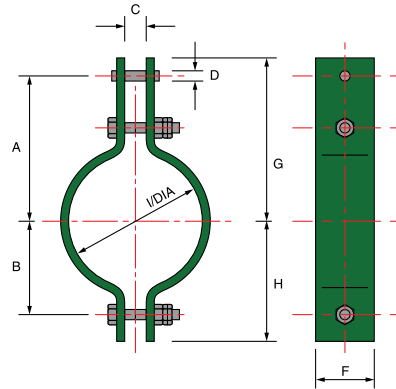
Nom Pipe Size	Pipe OD	Clip I/D	A	B	C	Bolt D	Matl WxT	Max Load (kg) 400°C
40	48.3	50	50	70	16	M12	40x6	500
50	60.3	62	58	85	16	M12	40x6	500
65	76.1	80	70	96	20	M16	40x6	500
80	88.9	92	85	115	24	M20	40x6	1500
90	101.6	106	90	120	24	M20	40x6	1500
100	114.3	118	96	132	27	M24	50x10	1590
125	139.7	144	115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

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91



Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
304-15-A-T0	1/2	15	400	380	21.3	23	100	30	15	12	35	118	48	Carbon Steel	0.5
304-20-A-T0	3/4	20	400	380	26.7	28	100	35	15	12	35	118	53	Carbon Steel	0.5
304-25-A-T0	1	25	400	380	33.4	36	100	40	15	12	35	118	58	Carbon Steel	0.5
304-32-A-T0	1 1/4	32	400	380	42.4	44	110	46	15	12	35	128	64	Carbon Steel	0.6
304-40-A-T0	1 1/2	40	400	380	48.3	50	110	50	15	12	35	128	68	Carbon Steel	0.6
304-50-A-T0	2	50	400	380	60.3	62	120	56	15	12	35	138	74	Carbon Steel	0.6
304-50-B-T0	2	50	400	560	60.3	62	120	56	17	16	40	144	74	Carbon Steel	0.9
304-65-A-T0	2 1/2	65	400	380	73.0	80	130	68	15	16	40	154	86	Carbon Steel	1
304-65-B-T0	2 1/2	65	400	560	73.0	80	130	66	17	16	40	154	84	Carbon Steel	1
304-80-A-T0	3	80	400	380	88.9	92	150	73	15	16	40	174	91	Carbon Steel	1.1
304-80-B-T0	3	80	400	560	88.9	92	150	73	17	16	50	174	91	Carbon Steel	1.4
304-90-A-T0	3 1/2	90	400	380	101.6	106	170	81	15	16	40	194	99	Carbon Steel	1.3
304-90-B-T0	3 1/2	90	400	560	101.6	106	170	80	17	16	50	194	98	Carbon Steel	1.6
304-100-A-T0	4	100	400	380	114.3	118	180	87	15	16	40	204	105	Carbon Steel	1.3
304-100-B-T0	4	100	400	560	114.3	118	180	90	17	16	40	204	108	Carbon Steel	1.8
304-100-C-T0	4	100	400	1040	114.3	118	180	97	19	20	50	210	121	Carbon Steel	2.9
304-125-A-T0	5	125	400	380	139.7	144	190	104	15	16	40	214	122	Carbon Steel	2
304-125-B-T0	5	125	400	560	139.7	144	190	104	17	16	40	214	122	Carbon Steel	2
304-125-C-T0	5	125	400	1040	139.7	144	190	111	19	20	50	220	135	Carbon Steel	3.2
304-150-A-T0	6	150	400	380	168.3	172	210	119	15	16	40	234	137	Carbon Steel	2.2
304-150-B-T0	6	150	400	560	168.3	172	210	118	17	16	50	234	136	Carbon Steel	2.8
304-150-C-T0	6	150	400	1040	168.3	172	210	126	19	20	60	240	150	Carbon Steel	4.3
304-150-D-T0	6	150	400	1630	168.3	172	210	133	24	24	60	246	163	Carbon Steel	5.3
304-175-A-T0	7	175	400	380	193.7	198	250	132	15	16	40	274	150	Carbon Steel	2.6
304-175-B-T0	7	175	400	560	193.7	198	250	136	17	16	40	274	154	Carbon Steel	3.2
304-175-C-T0	7	175	400	1040	193.7	198	250	140	19	20	60	280	164	Carbon Steel	4.9
304-175-D-T0	7	175	400	1630	193.7	198	250	146	24	24	60	286	176	Carbon Steel	6.1
304-175-E-T0	7	175	400	2360	193.7	198	250	155	28	30	80	295	191	Carbon Steel	10
304-200-A-T0	8	200	400	380	219.1	224	280	146	15	16	40	304	164	Carbon Steel	2.9
304-200-B-T0	8	200	400	560	219.1	224	280	149	17	16	40	304	167	Carbon Steel	3.6
304-200-C-T0	8	200	400	1040	219.1	224	280	157	19	20	60	310	181	Carbon Steel	6.6
304-200-D-T0	8	200	400	1630	219.1	224	280	166	24	24	60	316	196	Carbon Steel	8.5
304-200-E-T0	8	200	400	2360	219.1	224	280	169	28	30	80	325	205	Carbon Steel	12
304-200-F-T0	8	200	400	3750	219.1	224	280	175	40	36	90	334	211	Carbon Steel	17
304-225-A-T0	9	225	400	380	244.5	248	290	158	15	16	40	314	176	Carbon Steel	3
304-225-B-T0	9	225	400	560	244.5	248	290	162	17	16	40	314	180	Carbon Steel	3.8
304-225-C-T0	9	225	400	1040	244.5	248	290	169	19	20	60	320	193	Carbon Steel	7
304-225-D-T0	9	225	400	1630	244.5	248	290	178	24	24	60	326	208	Carbon Steel	8.9
304-225-E-T0	9	225	400	2360	244.5	248	290	181	28	30	80	335	217	Carbon Steel	12
304-225-F-T0	9	225	400	3750	244.5	248	290	188	40	36	90	344	224	Carbon Steel	18
304-250-A-T0	10	250	400	380	273.0	278	320	172	15	16	40	344	190	Carbon Steel	3.3
304-250-B-T0	10	250	400	560	273.0	278	320	177	17	16	40	344	195	Carbon Steel	4.2
304-250-C-T0	10	250	400	1040	273.0	278	320	185	19	20	60	350	209	Carbon Steel	7.7
304-250-D-T0	10	250	400	1630	273.0	278	320	194	24	24	60	356	224	Carbon Steel	9.8
304-250-E-T0	10	250	400	2360	273.0	278	320	206	28	30	80	365	242	Carbon Steel	18
304-250-F-T0	10	250	400	3750	273.0	278	320	204	40	36	90	374	240	Carbon Steel	20
304-250-G-T0	10	250	400	5460	273.0	278	320	209	45	42	110	383	254	Carbon Steel	25
304-300-A-T0	12	300	400	380	323.9	330	350	204	15	16	40	374	222	Carbon Steel	4.7

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

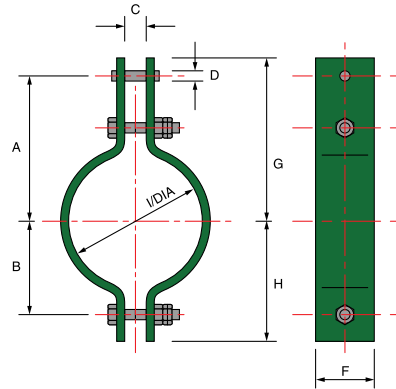


Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
304-300-B-T0	12	300	400	560	323.9	330	350	204	17	16	45	374	222	Carbon Steel	5.3
304-300-C-T0	12	300	400	1040	323.9	330	350	211	19	20	60	380	235	Carbon Steel	8.7
304-300-D-T0	12	300	400	1630	323.9	330	350	230	24	24	60	386	260	Carbon Steel	15
304-300-E-T0	12	300	400	2360	323.9	330	350	234	28	30	80	395	270	Carbon Steel	20
304-300-F-T0	12	300	400	3750	323.9	330	350	232	40	36	90	404	268	Carbon Steel	23
304-300-G-T0	12	300	400	5460	323.9	330	360	245	45	42	110	423	290	Carbon Steel	36
304-300-H-T0	12	300	400	7480	323.9	330	370	250	52	48	130	442	304	Carbon Steel	44
304-350-A-T0	14	350	400	380	355.6	362	380	220	15	16	40	404	238	Carbon Steel	5.1
304-350-B-T0	14	350	400	560	355.6	362	380	220	17	16	50	404	238	Carbon Steel	6.4
304-350-C-T0	14	350	400	1040	355.6	362	380	228	19	20	70	410	252	Carbon Steel	11
304-350-D-T0	14	350	400	1630	355.6	362	380	247	24	24	60	416	277	Carbon Steel	16
304-350-E-T0	14	350	400	2360	355.6	362	380	250	28	30	80	425	286	Carbon Steel	22
304-350-F-T0	14	350	400	3750	355.6	362	380	248	40	36	90	434	284	Carbon Steel	24
304-350-G-T0	14	350	400	5460	355.6	362	380	263	45	42	110	443	308	Carbon Steel	38
304-350-H-T0	14	350	400	7480	355.6	362	390	267	52	48	130	462	321	Carbon Steel	47
304-350-I-T0	14	350	400	9820	355.6	362	440	280	58	56	140	524	343	Carbon Steel	65
304-400-A-T0	16	400	400	380	406.4	412	420	245	15	16	40	444	263	Carbon Steel	5.7
304-400-B-T0	16	400	400	560	406.4	412	420	253	17	16	50	444	277	Carbon Steel	8.7
304-400-C-T0	16	400	400	1040	406.4	412	420	253	19	20	70	450	277	Carbon Steel	12
304-400-D-T0	16	400	400	1630	406.4	412	420	273	24	24	60	456	303	Carbon Steel	18
304-400-E-T0	16	400	400	2360	406.4	412	420	276	28	30	80	465	312	Carbon Steel	24
304-400-F-T0	16	400	400	3750	406.4	412	420	275	40	36	110	474	311	Carbon Steel	33
304-400-G-T0	16	400	400	5460	406.4	412	420	289	45	42	110	483	334	Carbon Steel	42
304-400-H-T0	16	400	400	7480	406.4	412	420	294	52	48	140	492	348	Carbon Steel	55
304-400-I-T0	16	400	400	9820	406.4	412	470	307	58	56	140	554	370	Carbon Steel	71
304-400-J-T0	16	400	400	13560	406.4	412	500	320	65	64	170	596	392	Carbon Steel	105
304-450-B-T0	18	450	400	560	457.2	464	450	280	17	16	50	474	304	Carbon Steel	9.5
304-450-C-T0	18	450	400	1040	457.2	464	450	286	19	20	60	480	310	Carbon Steel	14
304-450-D-T0	18	450	400	1630	457.2	464	450	300	24	24	60	486	330	Carbon Steel	19
304-450-E-T0	18	450	400	2360	457.2	464	450	303	28	30	80	495	339	Carbon Steel	26
304-450-F-T0	18	450	400	3750	457.2	464	450	302	40	36	110	504	338	Carbon Steel	36
304-450-G-T0	18	450	400	5460	457.2	464	450	316	45	42	110	513	361	Carbon Steel	46
304-450-H-T0	18	450	400	7480	457.2	464	450	321	52	48	150	522	375	Carbon Steel	64
304-450-I-T0	18	450	400	9820	457.2	464	490	335	58	56	150	574	398	Carbon Steel	81
304-450-J-T0	18	450	400	13560	457.2	464	530	349	65	64	170	626	421	Carbon Steel	113
304-450-K-T0	18	450	400	17900	457.2	464	540	364	70	72	180	648	448	Carbon Steel	142
304-500-B-T0	20	500	400	560	508.0	516	470	306	17	16	50	494	330	Carbon Steel	10
304-500-C-T0	20	500	400	1040	508.0	516	470	316	19	20	60	500	346	Carbon Steel	15
304-500-D-T0	20	500	400	1630	508.0	516	470	326	24	24	60	506	356	Carbon Steel	21
304-500-E-T0	20	500	400	2360	508.0	516	470	330	28	30	80	515	366	Carbon Steel	28
304-500-F-T0	20	500	400	3750	508.0	516	470	344	40	36	90	524	389	Carbon Steel	40
304-500-G-T0	20	500	400	5460	508.0	516	470	343	45	42	120	533	388	Carbon Steel	54
304-500-H-T0	20	500	400	7480	508.0	516	470	364	52	48	150	542	427	Carbon Steel	83
304-500-I-T0	20	500	400	9820	508.0	516	520	372	58	56	140	604	435	Carbon Steel	95
304-500-J-T0	20	500	400	13560	508.0	516	560	376	65	64	170	656	448	Carbon Steel	121
304-500-K-T0	20	500	400	17900	508.0	516	580	392	70	72	180	688	476	Carbon Steel	152
304-500-L-T0	20	500	400	22740	508.0	516	590	390	77	80	220	710	474	Carbon Steel	188
304-550-C-T0	22	550	400	1040	558.8	566	500	341	19	20	65	530	371	Carbon Steel	18

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight kg
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		
304-550-D-T0	22	550	400	1630	558.8	566	500	352	24	24	60	536	382	Carbon Steel	22
304-550-E-T0	22	550	400	2360	558.8	566	500	355	28	30	90	545	391	Carbon Steel	34
304-550-F-T0	22	550	400	3750	558.8	566	500	370	40	36	90	554	415	Carbon Steel	43
304-550-G-T0	22	550	400	5460	558.8	566	500	375	45	42	130	563	429	Carbon Steel	63
304-550-H-T0	22	550	400	7480	558.8	566	520	390	52	48	150	592	453	Carbon Steel	90
304-550-I-T0	22	550	400	9820	558.8	566	550	398	58	56	140	634	461	Carbon Steel	101
304-550-J-T0	22	550	400	13560	558.8	566	590	420	65	64	170	686	504	Carbon Steel	150
304-550-K-T0	22	550	400	17900	558.8	566	610	419	70	72	190	718	503	Carbon Steel	171
304-550-L-T0	22	550	400	22740	558.8	566	620	442	77	80	200	740	538	Carbon Steel	232
304-550-M-T0	22	550	400	28600	558.8	566	640	440	85	80	210	760	536	Carbon Steel	245
304-600-C-T0	24	600	400	1040	609.6	618	520	368	19	20	70	550	398	Carbon Steel	21
304-600-D-T0	24	600	400	1630	609.6	618	520	378	24	24	60	556	408	Carbon Steel	24
304-600-E-T0	24	600	400	2360	609.6	618	520	382	28	30	90	565	418	Carbon Steel	36
304-600-F-T0	24	600	400	3750	609.6	618	520	397	40	36	90	574	442	Carbon Steel	46
304-600-G-T0	24	600	400	5460	609.6	618	520	402	45	42	140	583	456	Carbon Steel	72
304-600-H-T0	24	600	400	7480	609.6	618	550	417	52	48	150	622	480	Carbon Steel	96
304-600-I-T0	24	600	400	9820	609.6	618	600	425	58	56	140	684	488	Carbon Steel	109
304-600-J-T0	24	600	400	13560	609.6	618	610	447	65	64	170	706	531	Carbon Steel	158
304-600-K-T0	24	600	400	17900	609.6	618	640	455	70	72	180	748	539	Carbon Steel	193
304-600-L-T0	24	600	400	22740	609.6	618	670	470	77	80	200	790	566	Carbon Steel	248
304-600-M-T0	24	600	400	28600	609.6	618	670	469	85	80	210	790	565	Carbon Steel	259
304-650-C-T0	26	650	400	1040	660.4	670	560	394	19	20	70	590	424	Carbon Steel	22
304-650-D-T0	26	650	400	1630	660.4	670	560	408	24	24	65	596	444	Carbon Steel	28
304-650-E-T0	26	650	400	2360	660.4	670	560	408	28	30	90	605	444	Carbon Steel	39
304-650-F-T0	26	650	400	3750	660.4	670	560	423	40	36	100	614	468	Carbon Steel	54
304-650-G-T0	26	650	400	5460	660.4	670	560	439	45	42	110	623	493	Carbon Steel	73
304-650-H-T0	26	650	400	7480	660.4	670	570	444	52	48	150	642	507	Carbon Steel	102
304-650-I-T0	26	650	400	9820	660.4	670	620	453	58	56	150	704	516	Carbon Steel	124
304-650-J-T0	26	650	400	13560	660.4	670	640	475	65	64	170	736	559	Carbon Steel	167
304-650-K-T0	26	650	400	17900	660.4	670	660	483	70	72	180	768	567	Carbon Steel	203
304-650-L-T0	26	650	400	22740	660.4	670	700	498	77	80	200	820	594	Carbon Steel	261
304-650-M-T0	26	650	400	28600	660.4	670	700	497	85	80	210	820	593	Carbon Steel	273
304-700-C-T0	28	700	400	1040	711.2	721	590	420	19	20	75	620	450	Carbon Steel	25
304-700-D-T0	28	700	400	1630	711.2	721	590	434	24	24	65	626	470	Carbon Steel	30
304-700-E-T0	28	700	400	2360	711.2	721	590	440	28	30	110	635	485	Carbon Steel	51
304-700-F-T0	28	700	400	3750	711.2	721	590	449	40	36	110	644	494	Carbon Steel	64
304-700-G-T0	28	700	400	5460	711.2	721	590	465	45	42	120	653	519	Carbon Steel	84
304-700-H-T0	28	700	400	7480	711.2	721	600	470	52	48	150	672	533	Carbon Steel	108
304-700-I-T0	28	700	400	9820	711.2	721	650	495	58	56	140	734	567	Carbon Steel	141
304-700-J-T0	28	700	400	13560	711.2	721	670	501	65	64	180	766	585	Carbon Steel	186
304-700-K-T0	28	700	400	17900	711.2	721	690	510	70	72	180	798	594	Carbon Steel	214
304-700-L-T0	28	700	400	22740	711.2	721	730	526	77	80	200	850	622	Carbon Steel	275
304-700-M-T0	28	700	400	28600	711.2	721	740	524	85	80	230	860	620	Carbon Steel	316
304-750-D-T0	30	750	400	1630	762.0	773	640	460	24	24	65	676	496	Carbon Steel	32
304-750-E-T0	30	750	400	2360	762.0	773	640	466	28	30	110	685	511	Carbon Steel	54
304-750-F-T0	30	750	400	3750	762.0	773	640	476	40	36	110	694	521	Carbon Steel	68
304-750-G-T0	30	750	400	5460	762.0	773	640	492	45	42	125	703	546	Carbon Steel	94
304-750-H-T0	30	750	400	7480	762.0	773	640	507	52	48	130	712	570	Carbon Steel	116
304-750-I-T0	30	750	400	9820	762.0	773	680	522	58	56	140	764	594	Carbon Steel	148
304-750-J-T0	30	750	400	13560	762.0	773	710	528	65	64	180	806	612	Carbon Steel	197
304-750-K-T0	30	750	400	17900	762.0	773	720	554	70	72	180	828	650	Carbon Steel	253
304-750-L-T0	30	750	400	22740	762.0	773	750	553	77	80	200	870	649	Carbon Steel	286
304-750-M-T0	30	750	400	28600	762.0	773	750	560	85	80	240	870	668	Carbon Steel	346
304-800-D-T0	32	800	400	1630	812.8	824	660	486	24	24	70	696	522	Carbon Steel	36
304-800-E-T0	32	800	400	2360	812.8	824	660	492	28	30	110	705	537	Carbon Steel	57
304-800-F-T0	32	800	400	3750	812.8	824	660	502	40	36	120	714	547	Carbon Steel	78
304-800-G-T0	32	800	400	5460	812.8	824	660	518	45	42	125	723	572	Carbon Steel	99
304-800-H-T0	32	800	400	7480	812.8	824	660	533	52	48	130	732	596	Carbon Steel	121
304-800-I-T0	32	800	400	9820	812.8	824	710	548	58	56	140	794	620	Carbon Steel	156
304-800-J-T0	32	800	400	13560	812.8	824	740	555	65	64	180	836	639	Carbon Steel	206
304-800-K-T0	32	800	400	17900	812.8	824	740	581	70	72	180	848	677	Carbon Steel	263
304-800-L-T0	32	800	400	22740	812.8	824	780	580	77	80	220	900	676	Carbon Steel	330
304-800-M-T0	32	800	400	28600	812.8	824	790	587	85	80	250	910	695	Carbon Steel	379
304-850-D-T0	34	850	400	1630	863.6	872	710	510	24	24	80	746	546	Carbon Steel	43

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

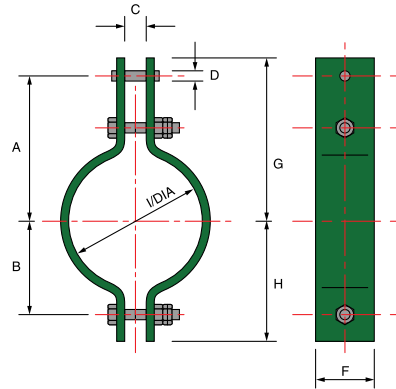


Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
304-850-E-T0	34	850	400	2360	863.6	872	710	516	28	30	110	755	561	Carbon Steel	60
304-850-F-T0	34	850	400	3750	863.6	872	710	532	40	36	120	764	586	Carbon Steel	83
304-850-G-T0	34	850	400	5460	863.6	872	710	542	45	42	130	773	596	Carbon Steel	109
304-850-H-T0	34	850	400	7480	863.6	872	710	557	52	48	140	782	620	Carbon Steel	138
304-850-I-T0	34	850	400	9820	863.6	872	730	573	58	56	140	814	645	Carbon Steel	162
304-850-J-T0	34	850	400	13560	863.6	872	770	580	65	64	200	866	664	Carbon Steel	240
304-850-K-T0	34	850	400	17900	863.6	872	800	606	70	72	180	908	702	Carbon Steel	279
304-850-L-T0	34	850	400	22740	863.6	872	810	605	77	80	220	930	701	Carbon Steel	343
304-850-M-T0	34	850	400	28600	863.6	872	820	612	85	80	260	940	720	Carbon Steel	410
304-900-D-T0	36	900	400	1630	914.4	926	740	538	24	24	80	776	574	Carbon Steel	46
304-900-E-T0	36	900	400	2360	914.4	926	740	543	28	30	110	785	588	Carbon Steel	63
304-900-F-T0	36	900	400	3750	914.4	926	740	559	40	36	130	794	613	Carbon Steel	95
304-900-G-T0	36	900	400	5460	914.4	926	740	576	45	42	140	803	639	Carbon Steel	124
304-900-H-T0	36	900	400	7480	914.4	926	740	585	52	48	150	812	648	Carbon Steel	155
304-900-I-T0	36	900	400	9820	914.4	926	760	600	58	56	150	844	672	Carbon Steel	182
304-900-J-T0	36	900	400	13560	914.4	926	790	608	65	64	200	886	692	Carbon Steel	249
304-900-K-T0	36	900	400	17900	914.4	926	830	634	70	72	200	938	730	Carbon Steel	323
304-900-L-T0	36	900	400	22740	914.4	926	830	633	77	80	230	950	729	Carbon Steel	373
304-900-M-T0	36	900	400	28600	914.4	926	850	640	85	80	280	970	748	Carbon Steel	461
304-950-D-T0	38	950	400	1630	965.0	976	770	563	24	24	80	806	599	Carbon Steel	48
304-950-E-T0	38	950	400	2360	965.0	976	770	569	28	30	110	815	614	Carbon Steel	66
304-950-F-T0	38	950	400	3750	965.0	976	770	585	40	36	130	824	639	Carbon Steel	99
304-950-G-T0	38	950	400	5460	965.0	976	770	601	45	42	145	833	664	Carbon Steel	134
304-950-H-T0	38	950	400	7480	965.0	976	770	611	52	48	150	842	674	Carbon Steel	162
304-950-I-T0	38	950	400	9820	965.0	976	790	626	58	56	150	874	698	Carbon Steel	190
304-950-J-T0	38	950	400	13560	965.0	976	820	633	65	64	220	916	717	Carbon Steel	286
304-950-K-T0	38	950	400	17900	965.0	976	850	660	70	72	200	958	756	Carbon Steel	335
304-950-L-T0	38	950	400	22740	965.0	976	860	660	77	80	240	980	756	Carbon Steel	405
304-950-M-T0	38	950	400	28600	965.0	976	870	666	85	80	300	990	774	Carbon Steel	511
304-1000-D-T0	40	1000	400	1630	1016.0	1026	790	588	24	24	80	826	624	Carbon Steel	50
304-1000-E-T0	40	1000	400	2360	1016.0	1026	790	594	28	30	130	835	639	Carbon Steel	81
304-1000-F-T0	40	1000	400	3750	1016.0	1026	790	610	40	36	130	844	664	Carbon Steel	103
304-1000-G-T0	40	1000	400	5460	1016.0	1026	790	626	45	42	150	853	689	Carbon Steel	144
304-1000-H-T0	40	1000	400	7480	1016.0	1026	790	636	52	48	150	862	699	Carbon Steel	168
304-1000-I-T0	40	1000	400	9820	1016.0	1026	810	652	58	56	150	894	724	Carbon Steel	196
304-1000-J-T0	40	1000	400	13560	1016.0	1026	840	659	65	64	220	936	743	Carbon Steel	296
304-1000-K-T0	40	1000	400	17900	1016.0	1026	880	686	70	72	200	988	782	Carbon Steel	348
304-1000-L-T0	40	1000	400	22740	1016.0	1026	890	685	77	80	240	1010	781	Carbon Steel	420
304-1000-M-T0	40	1000	400	28600	1016.0	1026	900	692	85	80	300	1020	800	Carbon Steel	531
91-15-A-T1	1/2	15	450	380	21.3	23	110	30	15	12	30	128	48	Alloy Steel	0.5
91-20-A-T1	3/4	20	450	380	26.7	28	110	35	15	12	30	128	53	Alloy Steel	0.5
91-25-A-T1	1	25	450	380	33.4	36	120	40	15	12	30	138	58	Alloy Steel	0.6
91-32-A-T1	1 1/4	32	450	380	42.4	44	120	46	15	12	30	138	64	Alloy Steel	0.6
91-40-A-T1	1 1/2	40	450	380	48.3	50	120	50	15	12	30	138	68	Alloy Steel	0.6
91-50-A-T1	2	50	450	380	60.3	62	130	56	15	12	30	148	74	Alloy Steel	0.7
91-50-B-T1	2	50	450	560	60.3	62	130	56	17	16	35	154	74	Alloy Steel	0.8
91-65-A-T1	2 1/2	65	450	380	73.0	80	140	66	15	12	30	158	84	Alloy Steel	0.8
91-65-B-T1	2 1/2	65	450	560	73.0	80	140	66	17	16	35	164	84	Alloy Steel	0.9

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-80-A-T1	3	80	450	380	88.9	92	150	73	15	12	30	168	91	Alloy Steel	0.8
91-80-B-T1	3	80	450	560	88.9	92	150	73	17	16	35	174	91	Alloy Steel	1
91-90-A-T1	3 1/2	90	450	380	101.6	106	180	81	15	12	30	198	99	Alloy Steel	0.9
91-90-B-T1	3 1/2	90	450	560	101.6	106	180	80	17	16	35	204	98	Alloy Steel	1.1
91-100-A-T1	4	100	450	380	114.3	118	190	87	15	12	30	208	105	Alloy Steel	1
91-100-B-T1	4	100	450	560	114.3	118	190	87	17	16	35	214	105	Alloy Steel	1.2
91-100-C-T1	4	100	450	1040	114.3	118	190	94	19	20	50	220	118	Alloy Steel	2.4
91-125-A-T1	5	125	450	380	139.7	144	200	100	15	12	30	218	118	Alloy Steel	1.1
91-125-B-T1	5	125	450	560	139.7	144	200	100	17	16	50	224	118	Alloy Steel	1.9
91-125-C-T1	5	125	450	1040	139.7	144	200	108	19	20	50	230	132	Alloy Steel	2.6
91-150-A-T1	6	150	450	380	168.3	172	220	115	15	12	40	238	133	Alloy Steel	1.7
91-150-B-T1	6	150	450	560	168.3	172	220	115	17	16	50	244	133	Alloy Steel	2.1
91-150-C-T1	6	150	450	1040	168.3	172	220	122	19	20	50	250	146	Alloy Steel	2.9
91-150-D-T1	6	150	450	1630	168.3	172	220	125	24	24	60	256	149	Alloy Steel	4.4
91-175-A-T1	7	175	450	380	193.7	198	260	128	15	12	40	278	146	Alloy Steel	1.9
91-175-B-T1	7	175	450	560	193.7	198	260	128	17	16	50	284	146	Alloy Steel	2.4
91-175-C-T1	7	175	450	1040	193.7	198	260	136	19	20	50	290	160	Alloy Steel	3.4
91-175-D-T1	7	175	450	1630	193.7	198	260	140	24	24	60	296	164	Alloy Steel	5.1
91-175-E-T1	7	175	450	2360	193.7	198	260	146	28	30	80	305	176	Alloy Steel	8.3
91-200-A-T1	8	200	450	380	219.1	224	290	141	15	12	40	308	159	Alloy Steel	2.2
91-200-B-T1	8	200	450	560	219.1	224	290	145	17	16	40	314	163	Alloy Steel	2.9
91-200-C-T1	8	200	450	1040	219.1	224	290	153	19	20	50	320	177	Alloy Steel	4.6
91-200-D-T1	8	200	450	1630	219.1	224	290	152	24	24	60	326	176	Alloy Steel	5.6
91-200-E-T1	8	200	450	2360	219.1	224	290	159	28	30	80	335	189	Alloy Steel	9.2
91-200-F-T1	8	200	450	3750	219.1	224	290	166	40	36	90	344	202	Alloy Steel	13
91-225-A-T1	9	225	450	380	244.5	248	300	153	15	12	40	318	171	Alloy Steel	2.3
91-225-B-T1	9	225	450	560	244.5	248	300	158	17	16	40	324	176	Alloy Steel	3.1
91-225-C-T1	9	225	450	1040	244.5	248	300	165	19	20	50	330	189	Alloy Steel	4.9
91-225-D-T1	9	225	450	1630	244.5	248	300	165	24	24	70	336	189	Alloy Steel	6.9
91-225-E-T1	9	225	450	2360	244.5	248	300	172	28	30	80	345	202	Alloy Steel	9.7
91-225-F-T1	9	225	450	3750	244.5	248	300	179	40	36	90	354	215	Alloy Steel	14
91-250-A-T1	10	250	450	380	273.0	278	330	169	15	12	50	348	187	Alloy Steel	3.2
91-250-B-T1	10	250	450	560	273.0	278	330	173	17	16	40	354	191	Alloy Steel	3.4
91-250-C-T1	10	250	450	1040	273.0	278	330	181	19	20	50	360	205	Alloy Steel	5.4
91-250-D-T1	10	250	450	1630	273.0	278	330	180	24	24	70	366	204	Alloy Steel	7.6
91-250-E-T1	10	250	450	2360	273.0	278	330	188	28	30	80	375	218	Alloy Steel	11
91-250-F-T1	10	250	450	3750	273.0	278	330	195	40	36	90	384	231	Alloy Steel	15
91-250-G-T1	10	250	450	5460	273.0	278	330	195	45	42	110	393	231	Alloy Steel	19
91-300-A-T1	12	300	450	380	323.9	330	370	195	15	12	50	388	213	Alloy Steel	3.6
91-300-B-T1	12	300	450	560	323.9	330	370	200	17	16	40	394	218	Alloy Steel	3.9
91-300-C-T1	12	300	450	1040	323.9	330	370	207	19	20	50	400	231	Alloy Steel	6.2
91-300-D-T1	12	300	450	1630	323.9	330	370	210	24	24	70	406	234	Alloy Steel	10
91-300-E-T1	12	300	450	2360	323.9	330	370	214	28	30	100	415	244	Alloy Steel	15
91-300-F-T1	12	300	450	3750	323.9	330	370	223	40	36	90	424	259	Alloy Steel	17
91-300-G-T1	12	300	450	5460	323.9	330	370	222	45	42	120	433	258	Alloy Steel	23
91-300-H-T1	12	300	450	7480	323.9	330	370	236	52	48	120	442	281	Alloy Steel	32
91-350-A-T1	14	350	450	380	355.6	362	400	211	15	12	50	418	229	Alloy Steel	3.9
91-350-B-T1	14	350	450	560	355.6	362	400	215	17	16	50	424	233	Alloy Steel	5.2
91-350-C-T1	14	350	450	1040	355.6	362	400	224	19	20	60	430	248	Alloy Steel	8
91-350-D-T1	14	350	450	1630	355.6	362	400	228	24	24	70	436	252	Alloy Steel	11
91-350-E-T1	14	350	450	2360	355.6	362	400	230	28	30	100	445	260	Alloy Steel	16
91-350-F-T1	14	350	450	3750	355.6	362	400	239	40	36	100	454	275	Alloy Steel	21
91-350-G-T1	14	350	450	5460	355.6	362	400	248	45	42	110	463	284	Alloy Steel	31
91-350-H-T1	14	350	450	7480	355.6	362	400	253	52	48	120	472	298	Alloy Steel	34
91-350-I-T1	14	350	450	9820	355.6	362	410	266	58	56	140	494	320	Alloy Steel	52
91-400-A-T1	16	400	450	380	406.4	412	430	234	15	12	50	448	252	Alloy Steel	4.3
91-400-B-T1	16	400	450	560	406.4	412	430	245	17	16	50	454	269	Alloy Steel	5.8
91-400-C-T1	16	400	450	1040	406.4	412	430	249	19	20	60	460	273	Alloy Steel	8.8
91-400-D-T1	16	400	450	1630	406.4	412	430	253	24	24	70	466	277	Alloy Steel	12
91-400-E-T1	16	400	450	2360	406.4	412	430	256	28	30	100	475	286	Alloy Steel	18
91-400-F-T1	16	400	450	3750	406.4	412	430	265	40	36	100	484	301	Alloy Steel	23
91-400-G-T1	16	400	450	5460	406.4	412	430	274	45	42	110	493	310	Alloy Steel	33
91-400-H-T1	16	400	450	7480	406.4	412	430	279	52	48	120	502	324	Alloy Steel	37
91-400-I-T1	16	400	450	9820	406.4	412	440	293	58	56	140	524	347	Alloy Steel	56

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

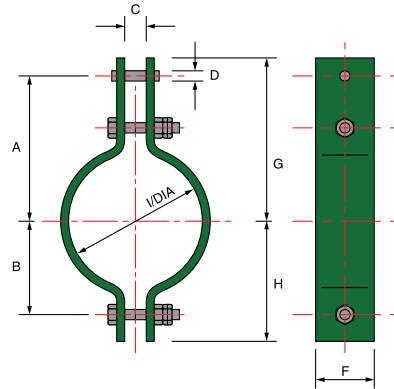


Part No.	Nom. Pipe Size		Max. Temp. Deg.C	Max Load kg	Pipe O/D mm	I/Dia mm	A mm	B mm	C mm	D mm	F mm	G mm	H mm	Clamp Material	Weight kg
	in	mm													
91-400-J-T1	16	400	450	13560	406.4	412	470	292	65	64	160	566	346	Alloy Steel	67
91-450-B-T1	18	450	450	560	457.2	464	460	271	17	16	60	484	295	Alloy Steel	7.6
91-450-C-T1	18	450	450	1040	457.2	464	460	275	19	20	70	490	299	Alloy Steel	11
91-450-D-T1	18	450	450	1630	457.2	464	460	280	24	24	70	496	304	Alloy Steel	13
91-450-E-T1	18	450	450	2360	457.2	464	460	290	28	30	80	505	320	Alloy Steel	20
91-450-F-T1	18	450	450	3750	457.2	464	460	302	40	36	90	514	338	Alloy Steel	30
91-450-G-T1	18	450	450	5460	457.2	464	460	306	45	42	110	523	351	Alloy Steel	37
91-450-H-T1	18	450	450	7480	457.2	464	460	306	52	48	130	532	351	Alloy Steel	44
91-450-I-T1	18	450	450	9820	457.2	464	480	320	58	56	140	564	374	Alloy Steel	61
91-450-J-T1	18	450	450	13560	457.2	464	500	319	65	64	160	596	373	Alloy Steel	72
91-450-K-T1	18	450	450	17900	457.2	464	540	333	70	72	180	648	396	Alloy Steel	103
91-500-B-T1	20	500	450	560	508.0	516	480	297	17	16	60	504	321	Alloy Steel	8.2
91-500-C-T1	20	500	450	1040	508.0	516	480	306	19	20	60	510	330	Alloy Steel	12
91-500-D-T1	20	500	450	1630	508.0	516	480	305	24	24	80	516	329	Alloy Steel	17
91-500-E-T1	20	500	450	2360	508.0	516	480	315	28	30	80	525	345	Alloy Steel	21
91-500-F-T1	20	500	450	3750	508.0	516	480	328	40	36	90	534	364	Alloy Steel	32
91-500-G-T1	20	500	450	5460	508.0	516	480	334	45	42	110	543	379	Alloy Steel	40
91-500-H-T1	20	500	450	7480	508.0	516	480	333	52	48	140	552	378	Alloy Steel	50
91-500-I-T1	20	500	450	9820	508.0	516	510	348	58	56	140	594	402	Alloy Steel	66
91-500-J-T1	20	500	450	13560	508.0	516	540	362	65	64	160	636	425	Alloy Steel	95
91-500-K-T1	20	500	450	17900	508.0	516	560	361	70	72	180	668	424	Alloy Steel	109
91-500-L-T1	20	500	450	22740	508.0	516	570	382	77	80	200	690	466	Alloy Steel	147
91-550-C-T1	22	550	450	1040	558.8	566	510	332	19	20	60	540	356	Alloy Steel	13
91-550-D-T1	22	550	450	1630	558.8	566	510	330	24	24	80	546	354	Alloy Steel	18
91-550-E-T1	22	550	450	2360	558.8	566	510	340	28	30	90	555	370	Alloy Steel	25
91-550-F-T1	22	550	450	3750	558.8	566	510	354	40	36	90	564	390	Alloy Steel	34
91-550-G-T1	22	550	450	5460	558.8	566	510	360	45	42	110	573	405	Alloy Steel	42
91-550-H-T1	22	550	450	7480	558.8	566	510	374	52	48	120	582	428	Alloy Steel	59
91-550-I-T1	22	550	450	9820	558.8	566	530	374	58	56	140	614	428	Alloy Steel	70
91-550-J-T1	22	550	450	13560	558.8	566	580	388	65	64	160	676	451	Alloy Steel	102
91-550-K-T1	22	550	450	17900	558.8	566	590	387	70	72	180	698	450	Alloy Steel	116
91-550-L-T1	22	550	450	22740	558.8	566	600	409	77	80	200	720	493	Alloy Steel	156
91-550-M-T1	22	550	450	28600	558.8	566	630	416	85	80	200	750	500	Alloy Steel	182
91-600-C-T1	24	600	450	1040	609.6	618	540	358	19	20	60	570	382	Alloy Steel	14
91-600-D-T1	24	600	450	1630	609.6	618	540	367	24	24	70	576	397	Alloy Steel	21
91-600-E-T1	24	600	450	2360	609.6	618	540	367	28	30	90	585	397	Alloy Steel	27
91-600-F-T1	24	600	450	3750	609.6	618	540	380	40	36	90	594	416	Alloy Steel	37
91-600-G-T1	24	600	450	5460	609.6	618	540	386	45	42	120	603	431	Alloy Steel	49
91-600-H-T1	24	600	450	7480	609.6	618	540	401	52	48	120	612	455	Alloy Steel	63
91-600-I-T1	24	600	450	9820	609.6	618	560	400	58	56	140	644	454	Alloy Steel	75
91-600-J-T1	24	600	450	13560	609.6	618	610	415	65	64	160	706	478	Alloy Steel	108
91-600-K-T1	24	600	450	17900	609.6	618	620	414	70	72	180	728	477	Alloy Steel	123
91-600-L-T1	24	600	450	22740	609.6	618	630	436	77	80	200	750	520	Alloy Steel	166
91-600-M-T1	24	600	450	28600	609.6	618	660	444	85	80	200	780	528	Alloy Steel	193
91-650-C-T1	26	650	450	1040	660.4	670	590	384	19	20	70	620	408	Alloy Steel	18
91-650-D-T1	26	650	450	1630	660.4	670	590	395	24	24	70	626	425	Alloy Steel	23
91-650-E-T1	26	650	450	2360	660.4	670	590	393	28	30	90	635	423	Alloy Steel	29
91-650-F-T1	26	650	450	3750	660.4	670	590	407	40	36	90	644	443	Alloy Steel	40

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-650-G-T1	26	650	450	5460	660.4	670	590	413	45	42	130	653	458	Alloy Steel	58
91-650-H-T1	26	650	450	7480	660.4	670	590	428	52	48	120	662	482	Alloy Steel	68
91-650-I-T1	26	650	450	9820	660.4	670	590	427	58	56	150	674	481	Alloy Steel	85
91-650-J-T1	26	650	450	13560	660.4	670	640	442	65	64	160	736	505	Alloy Steel	115
91-650-K-T1	26	650	450	17900	660.4	670	650	457	70	72	180	758	529	Alloy Steel	154
91-650-L-T1	26	650	450	22740	660.4	670	650	464	77	80	200	770	548	Alloy Steel	174
91-650-M-T1	26	650	450	28600	660.4	670	690	471	85	80	200	810	555	Alloy Steel	203
91-700-C-T1	28	700	450	1040	711.2	721	610	410	19	20	70	640	434	Alloy Steel	19
91-700-D-T1	28	700	450	1630	711.2	721	610	420	24	24	70	646	450	Alloy Steel	24
91-700-E-T1	28	700	450	2360	711.2	721	610	419	28	30	100	655	449	Alloy Steel	34
91-700-F-T1	28	700	450	3750	711.2	721	610	433	40	36	90	664	469	Alloy Steel	42
91-700-G-T1	28	700	450	5460	711.2	721	610	438	45	42	130	673	483	Alloy Steel	61
91-700-H-T1	28	700	450	7480	711.2	721	610	454	52	48	120	682	508	Alloy Steel	71
91-700-I-T1	28	700	450	9820	711.2	721	630	470	58	56	140	714	533	Alloy Steel	103
91-700-J-T1	28	700	450	13560	711.2	721	660	468	65	64	160	756	531	Alloy Steel	120
91-700-K-T1	28	700	450	17900	711.2	721	680	482	70	72	180	788	554	Alloy Steel	162
91-700-L-T1	28	700	450	22740	711.2	721	680	490	77	80	210	800	574	Alloy Steel	192
91-700-M-T1	28	700	450	28600	711.2	721	720	498	85	80	200	840	582	Alloy Steel	214
91-750-D-T1	30	750	450	1630	762.0	773	660	446	24	24	70	696	476	Alloy Steel	26
91-750-E-T1	30	750	450	2360	762.0	773	660	445	28	30	100	705	475	Alloy Steel	37
91-750-F-T1	30	750	450	3750	762.0	773	660	459	40	36	90	714	495	Alloy Steel	45
91-750-G-T1	30	750	450	5460	762.0	773	660	475	45	42	110	723	520	Alloy Steel	69
91-750-H-T1	30	750	450	7480	762.0	773	660	481	52	48	130	732	535	Alloy Steel	83
91-750-I-T1	30	750	450	9820	762.0	773	660	496	58	56	140	744	559	Alloy Steel	108
91-750-J-T1	30	750	450	13560	762.0	773	690	495	65	64	170	786	558	Alloy Steel	134
91-750-K-T1	30	750	450	17900	762.0	773	700	510	70	72	180	808	582	Alloy Steel	170
91-750-L-T1	30	750	450	22740	762.0	773	750	517	77	80	220	870	601	Alloy Steel	217
91-750-M-T1	30	750	450	28600	762.0	773	740	526	85	80	220	860	610	Alloy Steel	246
91-800-D-T1	32	800	450	1630	812.8	824	690	472	24	24	80	726	502	Alloy Steel	31
91-800-E-T1	32	800	450	2360	812.8	824	690	471	28	30	100	735	501	Alloy Steel	39
91-800-F-T1	32	800	450	3750	812.8	824	690	485	40	36	90	744	521	Alloy Steel	47
91-800-G-T1	32	800	450	5460	812.8	824	690	501	45	42	110	753	546	Alloy Steel	73
91-800-H-T1	32	800	450	7480	812.8	824	690	507	52	48	140	762	561	Alloy Steel	94
91-800-I-T1	32	800	450	9820	812.8	824	690	522	58	56	140	774	585	Alloy Steel	114
91-800-J-T1	32	800	450	13560	812.8	824	720	521	65	64	170	816	584	Alloy Steel	141
91-800-K-T1	32	800	450	17900	812.8	824	730	537	70	72	180	838	609	Alloy Steel	178
91-800-L-T1	32	800	450	22740	812.8	824	770	553	77	80	200	890	637	Alloy Steel	235
91-800-M-T1	32	800	450	28600	812.8	824	770	552	85	80	220	890	636	Alloy Steel	257
91-850-D-T1	34	850	450	1630	863.6	872	740	495	24	24	80	776	525	Alloy Steel	33
91-850-E-T1	34	850	450	2360	863.6	872	740	495	28	30	100	785	525	Alloy Steel	41
91-850-F-T1	34	850	450	3750	863.6	872	740	521	40	36	110	794	566	Alloy Steel	62
91-850-G-T1	34	850	450	5460	863.6	872	740	526	45	42	110	803	571	Alloy Steel	77
91-850-H-T1	34	850	450	7480	863.6	872	740	531	52	48	140	812	585	Alloy Steel	99
91-850-I-T1	34	850	450	9820	863.6	872	740	547	58	56	140	824	610	Alloy Steel	121
91-850-J-T1	34	850	450	13560	863.6	872	740	546	65	64	180	836	609	Alloy Steel	156
91-850-K-T1	34	850	450	17900	863.6	872	760	561	70	72	180	868	633	Alloy Steel	186
91-850-L-T1	34	850	450	22740	863.6	872	800	578	77	80	200	920	662	Alloy Steel	245
91-850-M-T1	34	850	450	28600	863.6	872	800	577	85	80	220	920	661	Alloy Steel	268
91-900-D-T1	36	900	450	1630	914.4	926	760	522	24	24	80	796	552	Alloy Steel	34
91-900-E-T1	36	900	450	2360	914.4	926	760	522	28	30	110	805	552	Alloy Steel	47
91-900-F-T1	36	900	450	3750	914.4	926	760	549	40	36	110	814	594	Alloy Steel	64
91-900-G-T1	36	900	450	5460	914.4	926	760	553	45	42	110	823	598	Alloy Steel	80
91-900-H-T1	36	900	450	7480	914.4	926	760	558	52	48	150	832	612	Alloy Steel	111
91-900-I-T1	36	900	450	9820	914.4	926	760	574	58	56	140	844	637	Alloy Steel	126
91-900-J-T1	36	900	450	13560	914.4	926	770	584	65	64	160	866	647	Alloy Steel	169
91-900-K-T1	36	900	450	17900	914.4	926	780	599	70	72	180	888	671	Alloy Steel	222
91-900-L-T1	36	900	450	22740	914.4	926	830	606	77	80	200	950	690	Alloy Steel	256
91-900-M-T1	36	900	450	28600	914.4	926	820	605	85	80	240	940	689	Alloy Steel	304
91-950-D-T1	38	950	450	1630	965.0	976	790	548	24	24	80	826	578	Alloy Steel	36
91-950-E-T1	38	950	450	2360	965.0	976	790	547	28	30	110	835	577	Alloy Steel	50
91-950-F-T1	38	950	450	3750	965.0	976	790	574	40	36	120	844	619	Alloy Steel	73
91-950-G-T1	38	950	450	5460	965.0	976	790	578	45	42	110	853	623	Alloy Steel	84
91-950-H-T1	38	950	450	7480	965.0	976	790	584	52	48	150	862	638	Alloy Steel	116
91-950-I-T1	38	950	450	9820	965.0	976	790	600	58	56	140	874	663	Alloy Steel	131

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

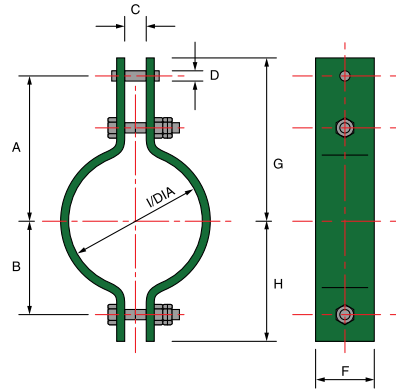


Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-950-J-T1	38	950	450	13560	965.0	976	790	609	65	64	160	886	672	Alloy Steel	176
91-950-K-T1	38	950	450	17900	965.0	976	830	625	70	72	180	938	697	Alloy Steel	233
91-950-L-T1	38	950	450	22740	965.0	976	850	632	77	80	200	970	716	Alloy Steel	265
91-950-M-T1	38	950	450	28600	965.0	976	850	631	85	80	250	970	715	Alloy Steel	330
91-1000-D-T1	40	1000	450	1630	1016.0	1026	820	573	24	24	80	856	603	Alloy Steel	38
91-1000-E-T1	40	1000	450	2360	1016.0	1026	820	573	28	30	110	865	603	Alloy Steel	52
91-1000-F-T1	40	1000	450	3750	1016.0	1026	820	599	40	36	120	874	644	Alloy Steel	76
91-1000-G-T1	40	1000	450	5460	1016.0	1026	820	604	45	42	110	883	649	Alloy Steel	88
91-1000-H-T1	40	1000	450	7480	1016.0	1026	820	609	52	48	150	892	663	Alloy Steel	121
91-1000-I-T1	40	1000	450	9820	1016.0	1026	820	625	58	56	150	904	688	Alloy Steel	146
91-1000-J-T1	40	1000	450	13560	1016.0	1026	820	635	65	64	160	916	698	Alloy Steel	183
91-1000-K-T1	40	1000	450	17900	1016.0	1026	860	650	70	72	180	968	722	Alloy Steel	243
91-1000-L-T1	40	1000	450	22740	1016.0	1026	880	658	77	80	210	1000	742	Alloy Steel	289
91-1000-M-T1	40	1000	450	28600	1016.0	1026	880	657	85	80	250	1000	741	Alloy Steel	343
91-15-A-T2	1/2	15	550	380	21.3	23	110	30	15	12	30	128	48	Alloy Steel	0.5
91-20-A-T2	3/4	20	550	380	26.7	28	110	35	15	12	30	128	53	Alloy Steel	0.5
91-25-A-T2	1	25	550	380	33.4	36	120	40	15	12	30	138	58	Alloy Steel	0.6
91-32-A-T2	1 1/4	32	550	380	42.4	44	120	46	15	12	30	138	64	Alloy Steel	0.6
91-40-A-T2	1 1/2	40	550	380	48.3	50	120	50	15	12	40	138	68	Alloy Steel	0.8
91-50-A-T2	2	50	550	380	60.3	62	130	56	15	16	40	154	74	Alloy Steel	0.9
91-50-B-T2	2	50	550	560	60.3	62	130	59	17	16	40	154	77	Alloy Steel	1.2
91-65-A-T2	2 1/2	65	550	380	73.0	80	150	70	15	16	40	174	88	Alloy Steel	1.4
91-65-B-T2	2 1/2	65	550	560	73.0	80	150	69	17	16	40	174	87	Alloy Steel	1.4
91-80-A-T2	3	80	550	380	88.9	92	160	76	15	16	40	184	94	Alloy Steel	1.6
91-80-B-T2	3	80	550	560	88.9	92	160	79	17	16	40	184	97	Alloy Steel	1.9
91-90-A-T2	3 1/2	90	550	380	101.6	106	180	84	15	16	40	204	102	Alloy Steel	1.7
91-90-B-T2	3 1/2	90	550	560	101.6	106	180	87	17	16	40	204	105	Alloy Steel	2.2
91-100-A-T2	4	100	550	380	114.3	118	190	90	15	16	40	214	108	Alloy Steel	1.8
91-100-B-T2	4	100	550	560	114.3	118	190	93	17	16	40	214	111	Alloy Steel	2.3
91-100-C-T2	4	100	550	1040	114.3	118	190	100	19	20	50	220	124	Alloy Steel	3.6
91-125-A-T2	5	125	550	380	139.7	144	210	108	15	16	40	234	126	Alloy Steel	2.6
91-125-B-T2	5	125	550	560	139.7	144	210	107	17	16	50	234	125	Alloy Steel	3.2
91-125-C-T2	5	125	550	1040	139.7	144	210	114	19	20	60	240	138	Alloy Steel	4.8
91-150-A-T2	6	150	550	380	168.3	172	240	123	15	16	40	264	141	Alloy Steel	3
91-150-B-T2	6	150	550	560	168.3	172	240	122	17	16	50	264	140	Alloy Steel	3.7
91-150-C-T2	6	150	550	1040	168.3	172	240	130	19	20	70	270	154	Alloy Steel	6.5
91-150-D-T2	6	150	550	1630	168.3	172	240	134	24	24	80	276	158	Alloy Steel	9.3
91-175-A-T2	7	175	550	380	193.7	198	260	136	15	16	40	284	154	Alloy Steel	3.3
91-175-B-T2	7	175	550	560	193.7	198	260	136	17	16	60	284	154	Alloy Steel	4.9
91-175-C-T2	7	175	550	1040	193.7	198	260	143	19	20	70	290	167	Alloy Steel	7.1
91-175-D-T2	7	175	550	1630	193.7	198	260	148	24	24	80	296	172	Alloy Steel	10
91-175-E-T2	7	175	550	2360	193.7	198	260	159	28	30	80	305	189	Alloy Steel	14
91-200-A-T2	8	200	550	380	219.1	224	290	150	15	16	50	314	168	Alloy Steel	4.6
91-200-B-T2	8	200	550	560	219.1	224	290	149	17	16	60	314	167	Alloy Steel	5.4
91-200-C-T2	8	200	550	1040	219.1	224	290	157	19	20	70	320	181	Alloy Steel	7.8
91-200-D-T2	8	200	550	1630	219.1	224	290	162	24	24	90	326	186	Alloy Steel	13
91-200-E-T2	8	200	550	2360	219.1	224	290	173	28	30	80	335	203	Alloy Steel	16
91-200-F-T2	8	200	550	3750	219.1	224	290	170	40	36	100	344	200	Alloy Steel	19

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-225-A-T2	9	225	550	380	244.5	248	300	162	15	16	50	324	180	Alloy Steel	4.8
91-225-B-T2	9	225	550	560	244.5	248	300	166	17	16	50	324	184	Alloy Steel	5.8
91-225-C-T2	9	225	550	1040	244.5	248	300	169	19	20	80	330	193	Alloy Steel	9.5
91-225-D-T2	9	225	550	1630	244.5	248	300	174	24	24	90	336	198	Alloy Steel	13
91-225-E-T2	9	225	550	2360	244.5	248	300	186	28	30	80	345	216	Alloy Steel	16
91-225-F-T2	9	225	550	3750	244.5	248	300	184	40	36	110	354	214	Alloy Steel	23
91-250-A-T2	10	250	550	380	273.0	278	330	177	15	16	50	354	195	Alloy Steel	5.3
91-250-B-T2	10	250	550	560	273.0	278	330	181	17	16	50	354	199	Alloy Steel	6.4
91-250-C-T2	10	250	550	1040	273.0	278	330	190	19	20	70	360	214	Alloy Steel	11
91-250-D-T2	10	250	550	1630	273.0	278	330	190	24	24	100	366	214	Alloy Steel	16
91-250-E-T2	10	250	550	2360	273.0	278	330	202	28	30	90	375	232	Alloy Steel	20
91-250-F-T2	10	250	550	3750	273.0	278	330	208	40	36	90	384	238	Alloy Steel	25
91-250-G-T2	10	250	550	5460	273.0	278	330	210	45	42	120	393	246	Alloy Steel	34
91-300-A-T2	12	300	550	380	323.9	330	390	204	15	16	50	414	222	Alloy Steel	6.2
91-300-B-T2	12	300	550	560	323.9	330	390	208	17	16	60	414	226	Alloy Steel	9
91-300-C-T2	12	300	550	1040	323.9	330	390	217	19	20	70	420	241	Alloy Steel	13
91-300-D-T2	12	300	550	1630	323.9	330	390	217	24	24	100	426	241	Alloy Steel	19
91-300-E-T2	12	300	550	2360	323.9	330	390	230	28	30	100	435	260	Alloy Steel	26
91-300-F-T2	12	300	550	3750	323.9	330	390	236	40	36	90	444	266	Alloy Steel	29
91-300-G-T2	12	300	550	5460	323.9	330	390	239	45	42	120	453	275	Alloy Steel	40
91-300-H-T2	12	300	550	7480	323.9	330	390	252	52	48	130	462	297	Alloy Steel	53
91-350-A-T2	14	350	550	380	355.6	362	420	220	15	16	60	444	238	Alloy Steel	8.1
91-350-B-T2	14	350	550	560	355.6	362	420	224	17	16	60	444	242	Alloy Steel	9.7
91-350-C-T2	14	350	550	1040	355.6	362	420	234	19	20	80	450	258	Alloy Steel	16
91-350-D-T2	14	350	550	1630	355.6	362	420	233	24	24	100	456	257	Alloy Steel	21
91-350-E-T2	14	350	550	2360	355.6	362	420	256	28	30	80	465	286	Alloy Steel	28
91-350-F-T2	14	350	550	3750	355.6	362	420	254	40	36	90	474	284	Alloy Steel	32
91-350-G-T2	14	350	550	5460	355.6	362	420	257	45	42	130	483	293	Alloy Steel	46
91-350-H-T2	14	350	550	7480	355.6	362	420	270	52	48	130	492	315	Alloy Steel	57
91-350-I-T2	14	350	550	9820	355.6	362	420	282	58	56	150	504	336	Alloy Steel	79
91-400-A-T2	16	400	550	380	406.4	412	460	245	15	16	60	484	263	Alloy Steel	8.9
91-400-B-T2	16	400	550	560	406.4	412	460	253	17	16	70	484	277	Alloy Steel	13
91-400-C-T2	16	400	550	1040	406.4	412	460	259	19	20	80	490	283	Alloy Steel	18
91-400-D-T2	16	400	550	1630	406.4	412	460	269	24	24	90	496	293	Alloy Steel	27
91-400-E-T2	16	400	550	2360	406.4	412	460	282	28	30	80	505	312	Alloy Steel	31
91-400-F-T2	16	400	550	3750	406.4	412	460	284	40	36	100	514	320	Alloy Steel	39
91-400-G-T2	16	400	550	5460	406.4	412	460	283	45	42	140	523	319	Alloy Steel	55
91-400-H-T2	16	400	550	7480	406.4	412	460	297	52	48	140	532	342	Alloy Steel	68
91-400-I-T2	16	400	550	9820	406.4	412	460	318	58	56	140	544	372	Alloy Steel	93
91-400-J-T2	16	400	550	13560	406.4	412	490	330	65	64	160	586	393	Alloy Steel	126
91-450-B-T2	18	450	550	560	457.2	464	480	280	17	16	75	504	304	Alloy Steel	15
91-450-C-T2	18	450	550	1040	457.2	464	480	286	19	20	80	510	310	Alloy Steel	20
91-450-D-T2	18	450	550	1630	457.2	464	480	296	24	24	90	516	320	Alloy Steel	30
91-450-E-T2	18	450	550	2360	457.2	464	480	309	28	30	80	525	339	Alloy Steel	33
91-450-F-T2	18	450	550	3750	457.2	464	480	320	40	36	90	534	356	Alloy Steel	46
91-450-G-T2	18	450	550	5460	457.2	464	480	320	45	42	120	543	356	Alloy Steel	61
91-450-H-T2	18	450	550	7480	457.2	464	480	333	52	48	120	552	378	Alloy Steel	73
91-450-I-T2	18	450	550	9820	457.2	464	500	346	58	56	140	584	400	Alloy Steel	101
91-450-J-T2	18	450	550	13560	457.2	464	520	359	65	64	160	616	422	Alloy Steel	135
91-450-K-T2	18	450	550	17900	457.2	464	540	362	70	72	180	648	425	Alloy Steel	173
91-500-B-T2	20	500	550	560	508.0	516	510	306	17	16	80	534	330	Alloy Steel	17
91-500-C-T2	20	500	550	1040	508.0	516	510	312	19	20	90	540	336	Alloy Steel	24
91-500-D-T2	20	500	550	1630	508.0	516	510	322	24	24	90	546	346	Alloy Steel	32
91-500-E-T2	20	500	550	2360	508.0	516	510	336	28	30	90	555	366	Alloy Steel	41
91-500-F-T2	20	500	550	3750	508.0	516	510	348	40	36	90	564	384	Alloy Steel	49
91-500-G-T2	20	500	550	5460	508.0	516	510	347	45	42	120	573	383	Alloy Steel	66
91-500-H-T2	20	500	550	7480	508.0	516	510	361	52	48	130	582	406	Alloy Steel	85
91-500-I-T2	20	500	550	9820	508.0	516	520	374	58	56	150	604	428	Alloy Steel	115
91-500-J-T2	20	500	550	13560	508.0	516	540	387	65	64	170	636	450	Alloy Steel	153
91-500-K-T2	20	500	550	17900	508.0	516	560	394	70	72	180	668	457	Alloy Steel	184
91-500-L-T2	20	500	550	22740	508.0	516	570	414	77	80	200	690	486	Alloy Steel	253
91-550-C-T2	22	550	550	1040	558.8	566	540	337	19	20	90	570	361	Alloy Steel	26
91-550-D-T2	22	550	550	1630	558.8	566	540	348	24	24	100	576	372	Alloy Steel	38
91-550-E-T2	22	550	550	2360	558.8	566	540	361	28	30	90	585	391	Alloy Steel	44

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

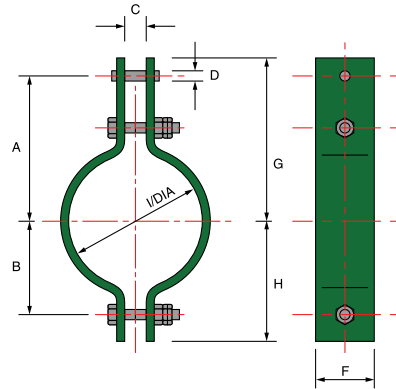


Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-550-F-T2	22	550	550	3750	558.8	566	540	374	40	36	100	594	410	Alloy Steel	59
91-550-G-T2	22	550	550	5460	558.8	566	540	373	45	42	120	603	409	Alloy Steel	71
91-550-H-T2	22	550	550	7480	558.8	566	540	387	52	48	140	612	432	Alloy Steel	98
91-550-I-T2	22	550	550	9820	558.8	566	550	401	58	56	160	634	455	Alloy Steel	131
91-550-J-T2	22	550	550	13560	558.8	566	570	414	65	64	180	666	477	Alloy Steel	172
91-550-K-T2	22	550	550	17900	558.8	566	590	422	70	72	200	698	485	Alloy Steel	217
91-550-L-T2	22	550	550	22740	558.8	566	620	442	77	80	200	740	514	Alloy Steel	272
91-550-M-T2	22	550	550	28600	558.8	566	630	448	85	80	220	750	532	Alloy Steel	304
91-600-C-T2	24	600	550	1040	609.6	618	560	364	19	20	100	590	388	Alloy Steel	30
91-600-D-T2	24	600	550	1630	609.6	618	560	374	24	24	100	596	398	Alloy Steel	41
91-600-E-T2	24	600	550	2360	609.6	618	560	388	28	30	100	605	418	Alloy Steel	51
91-600-F-T2	24	600	550	3750	609.6	618	560	400	40	36	100	614	436	Alloy Steel	62
91-600-G-T2	24	600	550	5460	609.6	618	560	415	45	42	110	623	460	Alloy Steel	81
91-600-H-T2	24	600	550	7480	609.6	618	560	414	52	48	150	632	459	Alloy Steel	111
91-600-I-T2	24	600	550	9820	609.6	618	580	437	58	56	140	664	491	Alloy Steel	138
91-600-J-T2	24	600	550	13560	609.6	618	610	451	65	64	160	706	514	Alloy Steel	182
91-600-K-T2	24	600	550	17900	609.6	618	620	450	70	72	210	728	513	Alloy Steel	242
91-600-L-T2	24	600	550	22740	609.6	618	650	471	77	80	200	770	543	Alloy Steel	288
91-600-M-T2	24	600	550	28600	609.6	618	660	477	85	80	240	780	561	Alloy Steel	351
91-650-C-T2	26	650	550	1040	660.4	670	610	390	19	20	100	640	414	Alloy Steel	33
91-650-D-T2	26	650	550	1630	660.4	670	610	400	24	24	100	646	424	Alloy Steel	44
91-650-E-T2	26	650	550	2360	660.4	670	610	415	28	30	100	655	445	Alloy Steel	56
91-650-F-T2	26	650	550	3750	660.4	670	610	427	40	36	110	664	463	Alloy Steel	74
91-650-G-T2	26	650	550	5460	660.4	670	610	442	45	42	120	673	487	Alloy Steel	96
91-650-H-T2	26	650	550	7480	660.4	670	610	457	52	48	140	682	511	Alloy Steel	129
91-650-I-T2	26	650	550	9820	660.4	670	610	465	58	56	140	694	519	Alloy Steel	147
91-650-J-T2	26	650	550	13560	660.4	670	640	479	65	64	170	736	542	Alloy Steel	205
91-650-K-T2	26	650	550	17900	660.4	670	670	501	70	72	180	778	573	Alloy Steel	271
91-650-L-T2	26	650	550	22740	660.4	670	670	499	77	80	200	790	571	Alloy Steel	302
91-650-M-T2	26	650	550	28600	660.4	670	690	506	85	80	250	810	590	Alloy Steel	386
91-700-C-T2	28	700	550	1040	711.2	721	640	416	19	20	110	670	440	Alloy Steel	38
91-700-D-T2	28	700	550	1630	711.2	721	640	430	24	24	110	676	460	Alloy Steel	51
91-700-E-T2	28	700	550	2360	711.2	721	640	440	28	30	100	685	470	Alloy Steel	59
91-700-F-T2	28	700	550	3750	711.2	721	640	469	40	36	90	694	514	Alloy Steel	76
91-700-G-T2	28	700	550	5460	711.2	721	640	469	45	42	130	703	514	Alloy Steel	110
91-700-H-T2	28	700	550	7480	711.2	721	640	483	52	48	140	712	537	Alloy Steel	137
91-700-I-T2	28	700	550	9820	711.2	721	640	501	58	56	140	724	555	Alloy Steel	173
91-700-J-T2	28	700	550	13560	711.2	721	660	506	65	64	180	756	569	Alloy Steel	228
91-700-K-T2	28	700	550	17900	711.2	721	700	528	70	72	180	808	600	Alloy Steel	285
91-700-L-T2	28	700	550	22740	711.2	721	700	527	77	80	220	820	599	Alloy Steel	350
91-700-M-T2	28	700	550	28600	711.2	721	720	533	85	80	260	840	617	Alloy Steel	421
91-750-D-T2	30	750	550	1630	762.0	773	690	466	24	24	110	726	486	Alloy Steel	55
91-750-E-T2	30	750	550	2360	762.0	773	690	467	28	30	100	735	497	Alloy Steel	63
91-750-F-T2	30	750	550	3750	762.0	773	690	496	40	36	90	744	541	Alloy Steel	81
91-750-G-T2	30	750	550	5460	762.0	773	690	496	45	42	130	753	541	Alloy Steel	117
91-750-H-T2	30	750	550	7480	762.0	773	690	510	52	48	140	762	564	Alloy Steel	146
91-750-I-T2	30	750	550	9820	762.0	773	690	528	58	56	140	774	582	Alloy Steel	184
91-750-J-T2	30	750	550	13560	762.0	773	690	533	65	64	190	786	596	Alloy Steel	253

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-750-K-T2	30	750	550	17900	762.0	773	720	556	70	72	190	828	628	Alloy Steel	314
91-750-L-T2	30	750	550	22740	762.0	773	730	555	77	80	220	850	627	Alloy Steel	367
91-750-M-T2	30	750	550	28600	762.0	773	740	561	85	80	300	860	645	Alloy Steel	507
91-800-D-T2	32	800	550	1630	812.8	824	710	482	24	24	110	746	512	Alloy Steel	58
91-800-E-T2	32	800	550	2360	812.8	824	710	507	28	30	90	755	543	Alloy Steel	72
91-800-F-T2	32	800	550	3750	812.8	824	710	522	40	36	100	764	567	Alloy Steel	94
91-800-G-T2	32	800	550	5460	812.8	824	710	522	45	42	130	773	567	Alloy Steel	122
91-800-H-T2	32	800	550	7480	812.8	824	710	537	52	48	150	782	591	Alloy Steel	163
91-800-I-T2	32	800	550	9820	812.8	824	710	555	58	56	150	794	609	Alloy Steel	206
91-800-J-T2	32	800	550	13560	812.8	824	720	578	65	64	160	816	641	Alloy Steel	269
91-800-K-T2	32	800	550	17900	812.8	824	750	583	70	72	190	858	655	Alloy Steel	329
91-800-L-T2	32	800	550	22740	812.8	824	770	599	77	80	220	890	683	Alloy Steel	425
91-800-M-T2	32	800	550	28600	812.8	824	770	588	85	80	310	890	672	Alloy Steel	549
91-850-D-T2	34	850	550	1630	863.6	872	760	506	24	24	120	796	536	Alloy Steel	67
91-850-E-T2	34	850	550	2360	863.6	872	760	532	28	30	90	805	568	Alloy Steel	76
91-850-F-T2	34	850	550	3750	863.6	872	760	547	40	36	100	814	592	Alloy Steel	99
91-850-G-T2	34	850	550	5460	863.6	872	760	546	45	42	140	823	591	Alloy Steel	139
91-850-H-T2	34	850	550	7480	863.6	872	760	571	52	48	140	832	625	Alloy Steel	182
91-850-I-T2	34	850	550	9820	863.6	872	760	580	58	56	150	844	634	Alloy Steel	218
91-850-J-T2	34	850	550	13560	863.6	872	760	603	65	64	160	856	666	Alloy Steel	283
91-850-K-T2	34	850	550	17900	863.6	872	780	608	70	72	200	888	680	Alloy Steel	362
91-850-L-T2	34	850	550	22740	863.6	872	800	624	77	80	230	920	708	Alloy Steel	463
91-850-M-T2	34	850	550	28600	863.6	872	800	614	85	80	320	920	698	Alloy Steel	591
91-900-D-T2	36	900	550	1630	914.4	926	790	534	24	24	120	826	564	Alloy Steel	70
91-900-E-T2	36	900	550	2360	914.4	926	790	559	28	30	90	835	595	Alloy Steel	80
91-900-F-T2	36	900	550	3750	914.4	926	790	574	40	36	100	844	619	Alloy Steel	104
91-900-G-T2	36	900	550	5460	914.4	926	790	574	45	42	150	853	619	Alloy Steel	157
91-900-H-T2	36	900	550	7480	914.4	926	790	599	52	48	140	862	653	Alloy Steel	191
91-900-I-T2	36	900	550	9820	914.4	926	790	608	58	56	160	874	662	Alloy Steel	243
91-900-J-T2	36	900	550	13560	914.4	926	790	632	65	64	160	886	695	Alloy Steel	296
91-900-K-T2	36	900	550	17900	914.4	926	800	637	70	72	210	908	709	Alloy Steel	395
91-900-L-T2	36	900	550	22740	914.4	926	830	653	77	80	240	950	737	Alloy Steel	504
91-900-M-T2	36	900	550	28600	914.4	926	820	642	85	80	340	940	726	Alloy Steel	652
91-950-D-T2	38	950	550	1630	965.0	976	820	559	24	24	120	856	589	Alloy Steel	73
91-950-E-T2	38	950	550	2360	965.0	976	820	584	28	30	100	865	620	Alloy Steel	92
91-950-F-T2	38	950	550	3750	965.0	976	820	600	40	36	110	874	645	Alloy Steel	120
91-950-G-T2	38	950	550	5460	965.0	976	820	599	45	42	160	883	644	Alloy Steel	174
91-950-H-T2	38	950	550	7480	965.0	976	820	625	52	48	140	892	679	Alloy Steel	199
91-950-I-T2	38	950	550	9820	965.0	976	820	634	58	56	160	904	688	Alloy Steel	254
91-950-J-T2	38	950	550	13560	965.0	976	820	658	65	64	170	916	721	Alloy Steel	328
91-950-K-T2	38	950	550	17900	965.0	976	830	663	70	72	220	938	735	Alloy Steel	431
91-950-L-T2	38	950	550	22740	965.0	976	850	679	77	80	250	970	763	Alloy Steel	544
91-950-M-T2	38	950	550	28600	965.0	976	850	669	85	80	360	970	753	Alloy Steel	719
91-1000-D-T2	40	1000	550	1630	1016.0	1026	840	584	24	24	120	876	614	Alloy Steel	76
91-1000-E-T2	40	1000	550	2360	1016.0	1026	840	610	28	30	100	885	646	Alloy Steel	96
91-1000-F-T2	40	1000	550	3750	1016.0	1026	840	625	40	36	110	894	670	Alloy Steel	124
91-1000-G-T2	40	1000	550	5460	1016.0	1026	840	625	45	42	160	903	670	Alloy Steel	181
91-1000-H-T2	40	1000	550	7480	1016.0	1026	840	650	52	48	150	912	704	Alloy Steel	221
91-1000-I-T2	40	1000	550	9820	1016.0	1026	840	660	58	56	170	924	714	Alloy Steel	279
91-1000-J-T2	40	1000	550	13560	1016.0	1026	840	684	65	64	170	936	747	Alloy Steel	340
91-1000-K-T2	40	1000	550	17900	1016.0	1026	860	689	70	72	230	968	761	Alloy Steel	469
91-1000-L-T2	40	1000	550	22740	1016.0	1026	880	705	77	80	250	1000	789	Alloy Steel	565
91-1000-M-T2	40	1000	550	28600	1016.0	1026	880	695	85	80	370	1000	779	Alloy Steel	767
91-15-A-T3	1/2	15	600	380	21.3	23	110	33	15	12	30	128	51	Alloy Steel	0.7
91-20-A-T3	3/4	20	600	380	26.7	28	110	37	15	12	30	128	55	Alloy Steel	0.7
91-25-A-T3	1	25	600	380	33.4	36	120	43	15	12	40	138	61	Alloy Steel	1
91-32-A-T3	1 1/4	32	600	380	42.4	44	120	49	15	12	50	138	67	Alloy Steel	1.3
91-40-A-T3	1 1/2	40	600	380	48.3	50	120	55	15	12	40	138	73	Alloy Steel	1.4
91-50-A-T3	2	50	600	380	60.3	62	130	63	15	12	40	148	81	Alloy Steel	1.5
91-50-B-T3	2	50	600	560	60.3	62	130	63	17	16	60	154	81	Alloy Steel	2.3
91-65-A-T3	2 1/2	65	600	380	73.0	80	150	73	15	12	50	168	91	Alloy Steel	2.2
91-65-B-T3	2 1/2	65	600	560	73.0	80	150	73	17	16	70	174	91	Alloy Steel	3.2
91-80-A-T3	3	80	600	380	88.9	92	160	83	15	12	50	178	101	Alloy Steel	2.9
91-80-B-T3	3	80	600	560	88.9	92	160	83	17	16	60	184	101	Alloy Steel	3.5

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

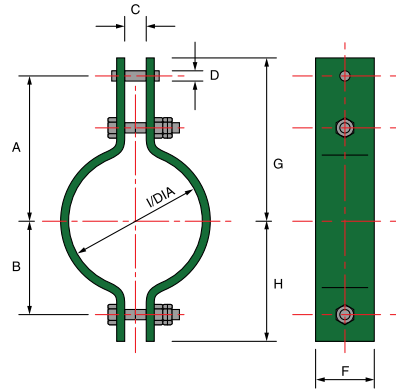


Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-90-A-T3	3 1/2	90	600	380	101.6	106	180	91	15	12	50	198	109	Alloy Steel	3.2
91-90-B-T3	3 1/2	90	600	560	101.6	106	180	91	17	16	60	204	109	Alloy Steel	3.9
91-100-A-T3	4	100	600	380	114.3	118	190	99	15	16	50	214	117	Alloy Steel	3.5
91-100-B-T3	4	100	600	560	114.3	118	190	97	17	16	70	214	115	Alloy Steel	4.9
91-100-C-T3	4	100	600	1040	114.3	118	190	107	19	20	80	220	131	Alloy Steel	7.3
91-125-A-T3	5	125	600	380	139.7	144	210	113	15	16	60	234	131	Alloy Steel	4.7
91-125-B-T3	5	125	600	560	139.7	144	210	117	17	16	50	234	135	Alloy Steel	4.9
91-125-C-T3	5	125	600	1040	139.7	144	210	121	19	20	90	240	145	Alloy Steel	9.2
91-150-A-T3	6	150	600	380	168.3	172	240	127	15	16	60	264	145	Alloy Steel	5.4
91-150-B-T3	6	150	600	560	168.3	172	240	133	17	16	60	264	151	Alloy Steel	6.8
91-150-C-T3	6	150	600	1040	168.3	172	240	145	19	20	70	270	169	Alloy Steel	11
91-150-D-T3	6	150	600	1630	168.3	172	240	143	24	24	90	276	167	Alloy Steel	14
91-175-A-T3	7	175	600	380	193.7	198	260	141	15	16	70	284	159	Alloy Steel	6.9
91-175-B-T3	7	175	600	560	193.7	198	260	147	17	16	70	284	165	Alloy Steel	8.7
91-175-C-T3	7	175	600	1040	193.7	198	260	159	19	20	70	290	183	Alloy Steel	12
91-175-D-T3	7	175	600	1630	193.7	198	260	157	24	24	100	296	181	Alloy Steel	17
91-175-E-T3	7	175	600	2360	193.7	198	260	169	28	30	90	305	199	Alloy Steel	20
91-200-A-T3	8	200	600	380	219.1	224	290	155	15	16	70	314	173	Alloy Steel	7.7
91-200-B-T3	8	200	600	560	219.1	224	290	161	17	16	70	314	179	Alloy Steel	9.6
91-200-C-T3	8	200	600	1040	219.1	224	290	173	19	20	70	320	197	Alloy Steel	13
91-200-D-T3	8	200	600	1630	219.1	224	290	173	24	24	100	326	197	Alloy Steel	19
91-200-E-T3	8	200	600	2360	219.1	224	290	183	28	30	90	335	213	Alloy Steel	22
91-200-F-T3	8	200	600	3750	219.1	224	290	189	40	36	100	344	219	Alloy Steel	30
91-225-A-T3	9	225	600	380	244.5	248	300	173	15	16	50	324	191	Alloy Steel	7.3
91-225-B-T3	9	225	600	560	244.5	248	300	173	17	16	70	324	191	Alloy Steel	10
91-225-C-T3	9	225	600	1040	244.5	248	300	187	19	20	80	330	211	Alloy Steel	16
91-225-D-T3	9	225	600	1630	244.5	248	300	195	24	24	80	336	219	Alloy Steel	20
91-225-E-T3	9	225	600	2360	244.5	248	300	197	28	30	100	345	227	Alloy Steel	26
91-225-F-T3	9	225	600	3750	244.5	248	300	203	40	36	100	354	233	Alloy Steel	31
91-250-A-T3	10	250	600	380	273.0	278	330	189	15	16	60	354	207	Alloy Steel	9.7
91-250-B-T3	10	250	600	560	273.0	278	330	189	17	16	80	354	207	Alloy Steel	13
91-250-C-T3	10	250	600	1040	273.0	278	330	201	19	20	80	360	225	Alloy Steel	18
91-250-D-T3	10	250	600	1630	273.0	278	330	211	24	24	80	366	235	Alloy Steel	22
91-250-E-T3	10	250	600	2360	273.0	278	330	213	28	30	110	375	243	Alloy Steel	31
91-250-F-T3	10	250	600	3750	273.0	278	330	219	40	36	110	384	249	Alloy Steel	38
91-250-G-T3	10	250	600	5460	273.0	278	330	231	45	42	110	393	267	Alloy Steel	45
91-300-A-T3	12	300	600	380	323.9	330	390	215	15	16	60	414	233	Alloy Steel	11
91-300-B-T3	12	300	600	560	323.9	330	390	225	17	16	70	414	243	Alloy Steel	18
91-300-C-T3	12	300	600	1040	323.9	330	390	229	19	20	90	420	253	Alloy Steel	23
91-300-D-T3	12	300	600	1630	323.9	330	390	239	24	24	80	426	263	Alloy Steel	26
91-300-E-T3	12	300	600	2360	323.9	330	390	251	28	30	90	435	281	Alloy Steel	36
91-300-F-T3	12	300	600	3750	323.9	330	390	249	40	36	120	444	279	Alloy Steel	48
91-300-G-T3	12	300	600	5460	323.9	330	390	259	45	42	120	453	295	Alloy Steel	57
91-300-H-T3	12	300	600	7480	323.9	330	390	273	52	48	130	462	318	Alloy Steel	72
91-350-A-T3	14	350	600	380	355.6	362	420	231	15	16	60	444	249	Alloy Steel	12
91-350-B-T3	14	350	600	560	355.6	362	420	241	17	16	70	444	259	Alloy Steel	19
91-350-C-T3	14	350	600	1040	355.6	362	420	245	19	20	90	450	269	Alloy Steel	25
91-350-D-T3	14	350	600	1630	355.6	362	420	255	24	24	90	456	279	Alloy Steel	31

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-350-E-T3	14	350	600	2360	355.6	362	420	267	28	30	90	465	297	Alloy Steel	38
91-350-F-T3	14	350	600	3750	355.6	362	420	269	40	36	130	474	305	Alloy Steel	56
91-350-G-T3	14	350	600	5460	355.6	362	420	277	45	42	130	483	313	Alloy Steel	66
91-350-H-T3	14	350	600	7480	355.6	362	420	291	52	48	130	492	336	Alloy Steel	77
91-350-I-T3	14	350	600	9820	355.6	362	430	295	58	56	180	514	349	Alloy Steel	111
91-400-A-T3	16	400	600	380	406.4	412	460	257	15	16	70	484	275	Alloy Steel	16
91-400-B-T3	16	400	600	560	406.4	412	460	271	17	16	70	484	295	Alloy Steel	21
91-400-C-T3	16	400	600	1040	406.4	412	460	281	19	20	80	490	305	Alloy Steel	31
91-400-D-T3	16	400	600	1630	406.4	412	460	281	24	24	100	496	305	Alloy Steel	38
91-400-E-T3	16	400	600	2360	406.4	412	460	295	28	30	100	505	325	Alloy Steel	47
91-400-F-T3	16	400	600	3750	406.4	412	460	305	40	36	110	514	341	Alloy Steel	61
91-400-G-T3	16	400	600	5460	406.4	412	460	305	45	42	150	523	341	Alloy Steel	84
91-400-H-T3	16	400	600	7480	406.4	412	460	317	52	48	150	532	362	Alloy Steel	98
91-400-I-T3	16	400	600	9820	406.4	412	460	331	58	56	150	544	385	Alloy Steel	113
91-400-J-T3	16	400	600	13560	406.4	412	490	343	65	64	160	586	406	Alloy Steel	141
91-450-B-T3	18	450	600	560	457.2	464	480	299	17	16	70	504	323	Alloy Steel	23
91-450-C-T3	18	450	600	1040	457.2	464	480	309	19	20	80	510	333	Alloy Steel	33
91-450-D-T3	18	450	600	1630	457.2	464	480	309	24	24	100	516	333	Alloy Steel	41
91-450-E-T3	18	450	600	2360	457.2	464	480	321	28	30	100	525	351	Alloy Steel	50
91-450-F-T3	18	450	600	3750	457.2	464	480	333	40	36	110	534	369	Alloy Steel	66
91-450-G-T3	18	450	600	5460	457.2	464	480	333	45	42	160	543	369	Alloy Steel	96
91-450-H-T3	18	450	600	7480	457.2	464	480	347	52	48	160	552	392	Alloy Steel	112
91-450-I-T3	18	450	600	9820	457.2	464	490	359	58	56	160	574	413	Alloy Steel	130
91-450-J-T3	18	450	600	13560	457.2	464	520	373	65	64	170	616	436	Alloy Steel	161
91-450-K-T3	18	450	600	17900	457.2	464	550	371	70	72	220	658	434	Alloy Steel	215
91-500-B-T3	20	500	600	560	508.0	516	510	325	17	16	70	534	349	Alloy Steel	25
91-500-C-T3	20	500	600	1040	508.0	516	510	335	19	20	80	540	359	Alloy Steel	36
91-500-D-T3	20	500	600	1630	508.0	516	510	335	24	24	110	546	359	Alloy Steel	49
91-500-E-T3	20	500	600	2360	508.0	516	510	349	28	30	110	555	379	Alloy Steel	60
91-500-F-T3	20	500	600	3750	508.0	516	510	361	40	36	120	564	397	Alloy Steel	77
91-500-G-T3	20	500	600	5460	508.0	516	510	375	45	42	130	573	420	Alloy Steel	98
91-500-H-T3	20	500	600	7480	508.0	516	510	375	52	48	170	582	420	Alloy Steel	128
91-500-I-T3	20	500	600	9820	508.0	516	520	389	58	56	170	604	443	Alloy Steel	148
91-500-J-T3	20	500	600	13560	508.0	516	540	401	65	64	180	636	464	Alloy Steel	181
91-500-K-T3	20	500	600	17900	508.0	516	580	401	70	72	230	688	464	Alloy Steel	240
91-500-L-T3	20	500	600	22740	508.0	516	580	405	77	80	300	700	477	Alloy Steel	318
91-550-C-T3	22	550	600	1040	558.8	566	540	361	19	20	80	570	385	Alloy Steel	38
91-550-D-T3	22	550	600	1630	558.8	566	540	371	24	24	90	576	395	Alloy Steel	52
91-550-E-T3	22	550	600	2360	558.8	566	540	375	28	30	120	585	405	Alloy Steel	70
91-550-F-T3	22	550	600	3750	558.8	566	540	393	40	36	130	594	438	Alloy Steel	91
91-550-G-T3	22	550	600	5460	558.8	566	540	401	45	42	140	603	446	Alloy Steel	112
91-550-H-T3	22	550	600	7480	558.8	566	540	401	52	48	180	612	446	Alloy Steel	145
91-550-I-T3	22	550	600	9820	558.8	566	550	421	58	56	190	634	484	Alloy Steel	179
91-550-J-T3	22	550	600	13560	558.8	566	590	429	65	64	200	686	492	Alloy Steel	217
91-550-K-T3	22	550	600	17900	558.8	566	610	427	70	72	250	718	490	Alloy Steel	277
91-550-L-T3	22	550	600	22740	558.8	566	620	449	77	80	220	740	521	Alloy Steel	301
91-550-M-T3	22	550	600	28600	558.8	566	620	455	85	80	250	740	539	Alloy Steel	345
91-600-C-T3	24	600	600	1040	609.6	618	560	387	19	20	80	590	411	Alloy Steel	41
91-600-D-T3	24	600	600	1630	609.6	618	560	397	24	24	90	596	421	Alloy Steel	55
91-600-E-T3	24	600	600	2360	609.6	618	560	401	28	30	120	605	431	Alloy Steel	74
91-600-F-T3	24	600	600	3750	609.6	618	560	421	40	36	140	614	466	Alloy Steel	103
91-600-G-T3	24	600	600	5460	609.6	618	560	429	45	42	140	623	474	Alloy Steel	119
91-600-H-T3	24	600	600	7480	609.6	618	560	443	52	48	150	632	497	Alloy Steel	146
91-600-I-T3	24	600	600	9820	609.6	618	580	449	58	56	200	664	512	Alloy Steel	200
91-600-J-T3	24	600	600	13560	609.6	618	630	457	65	64	200	726	520	Alloy Steel	232
91-600-K-T3	24	600	600	17900	609.6	618	640	455	70	72	260	748	518	Alloy Steel	305
91-600-L-T3	24	600	600	22740	609.6	618	650	479	77	80	220	770	551	Alloy Steel	319
91-600-M-T3	24	600	600	28600	609.6	618	660	485	85	80	270	780	569	Alloy Steel	397
91-650-C-T3	26	650	600	1040	660.4	670	610	415	19	20	80	640	439	Alloy Steel	44
91-650-D-T3	26	650	600	1630	660.4	670	610	429	24	24	90	646	459	Alloy Steel	60
91-650-E-T3	26	650	600	2360	660.4	670	610	427	28	30	120	655	457	Alloy Steel	80
91-650-F-T3	26	650	600	3750	660.4	670	610	447	40	36	140	664	492	Alloy Steel	111
91-650-G-T3	26	650	600	5460	660.4	670	610	457	45	42	150	673	502	Alloy Steel	137
91-650-H-T3	26	650	600	7480	660.4	670	610	471	52	48	160	682	525	Alloy Steel	167

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

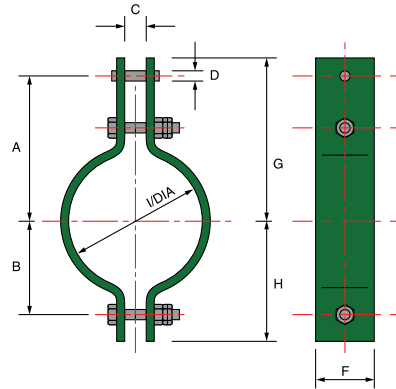


Part No.	Nom. Pipe Size		Max. Temp. Deg.C	Max Load kg	Pipe O/D mm	I/Dia mm	A mm	B mm	C mm	D mm	F mm	G mm	H mm	Clamp Material	Weight kg
	in	mm													
91-650-I-T3	26	650	600	9820	660.4	670	610	485	58	56	160	694	548	Alloy Steel	189
91-650-J-T3	26	650	600	13560	660.4	670	650	485	65	64	210	746	548	Alloy Steel	256
91-650-K-T3	26	650	600	17900	660.4	670	660	483	70	72	270	768	546	Alloy Steel	333
91-650-L-T3	26	650	600	22740	660.4	670	670	507	77	80	220	790	579	Alloy Steel	334
91-650-M-T3	26	650	600	28600	660.4	670	690	513	85	80	280	810	597	Alloy Steel	434
91-700-C-T3	28	700	600	1040	711.2	721	640	439	19	20	90	670	463	Alloy Steel	52
91-700-D-T3	28	700	600	1630	711.2	721	640	455	24	24	90	676	485	Alloy Steel	64
91-700-E-T3	28	700	600	2360	711.2	721	640	465	28	30	110	685	495	Alloy Steel	91
91-700-F-T3	28	700	600	3750	711.2	721	640	483	40	36	120	694	528	Alloy Steel	116
91-700-G-T3	28	700	600	5460	711.2	721	640	483	45	42	160	703	528	Alloy Steel	155
91-700-H-T3	28	700	600	7480	711.2	721	640	497	52	48	160	712	551	Alloy Steel	177
91-700-I-T3	28	700	600	9820	711.2	721	640	513	58	56	170	724	576	Alloy Steel	212
91-700-J-T3	28	700	600	13560	711.2	721	680	511	65	64	220	776	574	Alloy Steel	283
91-700-K-T3	28	700	600	17900	711.2	721	690	511	70	72	290	798	574	Alloy Steel	377
91-700-L-T3	28	700	600	22740	711.2	721	700	533	77	80	230	820	605	Alloy Steel	367
91-700-M-T3	28	700	600	28600	711.2	721	720	541	85	80	290	840	625	Alloy Steel	472
91-750-D-T3	30	750	600	1630	762.0	773	690	481	24	24	90	726	511	Alloy Steel	68
91-750-E-T3	30	750	600	2360	762.0	773	690	491	28	30	110	735	521	Alloy Steel	98
91-750-F-T3	30	750	600	3750	762.0	773	690	511	40	36	120	744	556	Alloy Steel	124
91-750-G-T3	30	750	600	5460	762.0	773	690	509	45	42	160	753	554	Alloy Steel	165
91-750-H-T3	30	750	600	7480	762.0	773	690	525	52	48	170	762	579	Alloy Steel	200
91-750-I-T3	30	750	600	9820	762.0	773	690	541	58	56	170	774	604	Alloy Steel	226
91-750-J-T3	30	750	600	13560	762.0	773	710	539	65	64	230	806	602	Alloy Steel	311
91-750-K-T3	30	750	600	17900	762.0	773	720	563	70	72	200	828	635	Alloy Steel	332
91-750-L-T3	30	750	600	22740	762.0	773	730	561	77	80	230	850	633	Alloy Steel	385
91-800-D-T3	32	800	600	1630	812.8	824	710	507	24	24	100	746	537	Alloy Steel	79
91-800-E-T3	32	800	600	2360	812.8	824	710	521	28	30	110	755	557	Alloy Steel	103
91-800-F-T3	32	800	600	3750	812.8	824	710	537	40	36	120	764	582	Alloy Steel	129
91-800-G-T3	32	800	600	5460	812.8	824	710	547	45	42	150	773	592	Alloy Steel	183
91-800-H-T3	32	800	600	7480	812.8	824	710	551	52	48	170	782	605	Alloy Steel	209
91-800-I-T3	32	800	600	9820	812.8	824	710	567	58	56	180	794	630	Alloy Steel	250
91-800-J-T3	32	800	600	13560	812.8	824	740	571	65	64	250	836	643	Alloy Steel	357
91-800-K-T3	32	800	600	17900	812.8	824	750	591	70	72	200	858	663	Alloy Steel	348
91-800-L-T3	32	800	600	22740	812.8	824	770	597	77	80	260	890	681	Alloy Steel	464
91-850-D-T3	34	850	600	1630	863.6	872	760	531	24	24	110	796	561	Alloy Steel	92
91-850-E-T3	34	850	600	2360	863.6	872	760	545	28	30	110	805	581	Alloy Steel	109
91-850-F-T3	34	850	600	3750	863.6	872	760	561	40	36	130	814	606	Alloy Steel	148
91-850-G-T3	34	850	600	5460	863.6	872	760	571	45	42	150	823	616	Alloy Steel	194
91-850-H-T3	34	850	600	7480	863.6	872	760	587	52	48	160	832	641	Alloy Steel	232
91-850-I-T3	34	850	600	9820	863.6	872	760	591	58	56	190	844	654	Alloy Steel	279
91-850-J-T3	34	850	600	13560	863.6	872	760	597	65	64	270	856	669	Alloy Steel	401
91-850-K-T3	34	850	600	17900	863.6	872	780	615	70	72	210	888	687	Alloy Steel	381
91-850-L-T3	34	850	600	22740	863.6	872	800	623	77	80	280	920	707	Alloy Steel	521
91-900-D-T3	36	900	600	1630	914.4	926	790	559	24	24	110	826	589	Alloy Steel	97
91-900-E-T3	36	900	600	2360	914.4	926	790	573	28	30	110	835	609	Alloy Steel	114
91-900-F-T3	36	900	600	3750	914.4	926	790	589	40	36	130	844	634	Alloy Steel	156
91-900-G-T3	36	900	600	5460	914.4	926	790	599	45	42	150	853	644	Alloy Steel	203
91-900-H-T3	36	900	600	7480	914.4	926	790	615	52	48	160	862	669	Alloy Steel	243

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-900-I-T3	36	900	600	9820	914.4	926	790	619	58	56	190	874	682	Alloy Steel	292
91-900-J-T3	36	900	600	13560	914.4	926	790	625	65	64	270	886	697	Alloy Steel	419
91-900-K-T3	36	900	600	17900	914.4	926	800	643	70	72	210	908	715	Alloy Steel	396
91-900-L-T3	36	900	600	22740	914.4	926	830	651	77	80	280	950	735	Alloy Steel	544
91-950-D-T3	38	950	600	1630	965.0	976	820	583	24	24	110	856	613	Alloy Steel	101
91-950-E-T3	38	950	600	2360	965.0	976	820	599	28	30	110	865	635	Alloy Steel	119
91-950-F-T3	38	950	600	3750	965.0	976	820	615	40	36	130	874	660	Alloy Steel	162
91-950-G-T3	38	950	600	5460	965.0	976	820	625	45	42	150	883	670	Alloy Steel	212
91-950-H-T3	38	950	600	7480	965.0	976	820	641	52	48	160	892	695	Alloy Steel	254
91-950-I-T3	38	950	600	9820	965.0	976	820	645	58	56	200	904	708	Alloy Steel	320
91-950-J-T3	38	950	600	13560	965.0	976	820	651	65	64	280	916	723	Alloy Steel	453
91-950-K-T3	38	950	600	17900	965.0	976	830	671	70	72	220	938	743	Alloy Steel	433
91-950-L-T3	38	950	600	22740	965.0	976	850	677	77	80	290	970	761	Alloy Steel	583
91-1000-D-T3	40	1000	600	1630	1016.0	1026	840	609	24	24	110	876	639	Alloy Steel	105
91-1000-E-T3	40	1000	600	2360	1016.0	1026	840	625	28	30	120	885	661	Alloy Steel	135
91-1000-F-T3	40	1000	600	3750	1016.0	1026	840	641	40	36	140	894	686	Alloy Steel	181
91-1000-G-T3	40	1000	600	5460	1016.0	1026	840	651	45	42	150	903	696	Alloy Steel	219
91-1000-H-T3	40	1000	600	7480	1016.0	1026	840	667	52	48	160	912	721	Alloy Steel	263
91-1000-I-T3	40	1000	600	9820	1016.0	1026	840	671	58	56	210	924	734	Alloy Steel	348
91-1000-J-T3	40	1000	600	13560	1016.0	1026	840	677	65	64	300	936	749	Alloy Steel	503
91-1000-K-T3	40	1000	600	17900	1016.0	1026	860	697	70	72	240	968	769	Alloy Steel	491
91-15-A-T4	1/2	15	600	380	21.3	23	110	30	15	12	30	128	48	9% Cr Steel	0.5
91-20-A-T4	3/4	20	600	380	26.7	28	110	35	15	12	30	128	53	9% Cr Steel	0.5
91-25-A-T4	1	25	600	380	33.4	36	120	40	15	12	30	138	58	9% Cr Steel	0.6
91-32-A-T4	1 1/4	32	600	380	42.4	44	120	46	15	12	30	138	64	9% Cr Steel	0.6
91-40-A-T4	1 1/2	40	600	380	48.3	50	120	50	15	12	30	138	68	9% Cr Steel	0.6
91-50-A-T4	2	50	600	380	60.3	62	130	57	15	12	40	148	75	9% Cr Steel	0.9
91-50-B-T4	2	50	600	560	60.3	62	130	60	17	16	40	154	78	9% Cr Steel	1.2
91-65-A-T4	2 1/2	65	600	380	73.0	80	150	67	15	12	40	168	85	9% Cr Steel	1.1
91-65-B-T4	2 1/2	65	600	560	73.0	80	150	70	17	16	40	174	88	9% Cr Steel	1.4
91-80-A-T4	3	80	600	380	88.9	92	160	73	15	12	50	178	91	9% Cr Steel	1.4
91-80-B-T4	3	80	600	560	88.9	92	160	76	17	16	40	184	94	9% Cr Steel	1.5
91-90-A-T4	3 1/2	90	600	380	101.6	106	180	81	15	12	50	198	99	9% Cr Steel	1.6
91-90-B-T4	3 1/2	90	600	560	101.6	106	180	84	17	16	40	204	102	9% Cr Steel	1.7
91-100-A-T4	4	100	600	380	114.3	118	190	90	15	16	40	214	108	9% Cr Steel	1.8
91-100-B-T4	4	100	600	560	114.3	118	190	90	17	16	50	214	108	9% Cr Steel	2.3
91-100-C-T4	4	100	600	1040	114.3	118	190	97	19	20	60	220	121	9% Cr Steel	3.6
91-125-A-T4	5	125	600	380	139.7	144	210	104	15	16	40	234	122	9% Cr Steel	2.1
91-125-B-T4	5	125	600	560	139.7	144	210	104	17	16	50	234	122	9% Cr Steel	2.6
91-125-C-T4	5	125	600	1040	139.7	144	210	111	19	20	70	240	135	9% Cr Steel	4.7
91-150-A-T4	6	150	600	380	168.3	172	240	119	15	16	40	264	137	9% Cr Steel	2.4
91-150-B-T4	6	150	600	560	168.3	172	240	118	17	16	60	264	136	9% Cr Steel	3.5
91-150-C-T4	6	150	600	1040	168.3	172	240	130	19	20	60	270	154	9% Cr Steel	5.5
91-150-D-T4	6	150	600	1630	168.3	172	240	134	24	24	60	276	158	9% Cr Steel	7
91-175-A-T4	7	175	600	380	193.7	198	260	132	15	16	50	284	150	9% Cr Steel	3.3
91-175-B-T4	7	175	600	560	193.7	198	260	136	17	16	50	284	154	9% Cr Steel	4.1
91-175-C-T4	7	175	600	1040	193.7	198	260	143	19	20	60	290	167	9% Cr Steel	6.1
91-175-D-T4	7	175	600	1630	193.7	198	260	148	24	24	60	296	172	9% Cr Steel	7.6
91-175-E-T4	7	175	600	2360	193.7	198	260	151	28	30	100	305	181	9% Cr Steel	13
91-200-A-T4	8	200	600	380	219.1	224	290	146	15	16	50	314	164	9% Cr Steel	3.6
91-200-B-T4	8	200	600	560	219.1	224	290	149	17	16	50	314	167	9% Cr Steel	4.5
91-200-C-T4	8	200	600	1040	219.1	224	290	157	19	20	70	320	181	9% Cr Steel	7.8
91-200-D-T4	8	200	600	1630	219.1	224	290	162	24	24	70	326	186	9% Cr Steel	9.9
91-200-E-T4	8	200	600	2360	219.1	224	290	165	28	30	100	335	195	9% Cr Steel	14
91-200-F-T4	8	200	600	3750	219.1	224	290	170	40	36	90	344	200	9% Cr Steel	17
91-225-A-T4	9	225	600	380	244.5	248	300	162	15	16	40	324	180	9% Cr Steel	3.9
91-225-B-T4	9	225	600	560	244.5	248	300	162	17	16	50	324	180	9% Cr Steel	4.8
91-225-C-T4	9	225	600	1040	244.5	248	300	169	19	20	70	330	193	9% Cr Steel	8.3
91-225-D-T4	9	225	600	1630	244.5	248	300	174	24	24	70	336	198	9% Cr Steel	10
91-225-E-T4	9	225	600	2360	244.5	248	300	178	28	30	100	345	208	9% Cr Steel	15
91-225-F-T4	9	225	600	3750	244.5	248	300	184	40	36	90	354	214	9% Cr Steel	18
91-250-A-T4	10	250	600	380	273.0	278	330	177	15	16	40	354	195	9% Cr Steel	4.3
91-250-B-T4	10	250	600	560	273.0	278	330	177	17	16	60	354	195	9% Cr Steel	6.4
91-250-C-T4	10	250	600	1040	273.0	278	330	185	19	20	80	360	209	9% Cr Steel	10

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

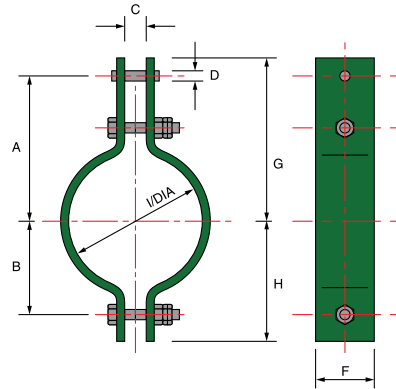


Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-250-D-T4	10	250	600	1630	273.0	278	330	190	24	24	80	366	214	9% Cr Steel	13
91-250-E-T4	10	250	600	2360	273.0	278	330	193	28	30	100	375	223	9% Cr Steel	17
91-250-F-T4	10	250	600	3750	273.0	278	330	200	40	36	90	384	230	9% Cr Steel	20
91-250-G-T4	10	250	600	5460	273.0	278	330	211	45	42	110	393	247	9% Cr Steel	32
91-300-A-T4	12	300	600	380	323.9	330	390	204	15	16	40	414	222	9% Cr Steel	5
91-300-B-T4	12	300	600	560	323.9	330	390	203	17	16	60	414	221	9% Cr Steel	7.5
91-300-C-T4	12	300	600	1040	323.9	330	390	211	19	20	80	420	235	9% Cr Steel	12
91-300-D-T4	12	300	600	1630	323.9	330	390	216	24	24	80	426	240	9% Cr Steel	15
91-300-E-T4	12	300	600	2360	323.9	330	390	230	28	30	90	435	260	9% Cr Steel	23
91-300-F-T4	12	300	600	3750	323.9	330	390	228	40	36	100	444	258	9% Cr Steel	26
91-300-G-T4	12	300	600	5460	323.9	330	390	239	45	42	110	453	275	9% Cr Steel	37
91-300-H-T4	12	300	600	7480	323.9	330	390	252	52	48	120	462	297	9% Cr Steel	49
91-350-A-T4	14	350	600	380	355.6	362	420	220	15	16	50	444	238	9% Cr Steel	6.7
91-350-B-T4	14	350	600	560	355.6	362	420	220	17	16	60	444	238	9% Cr Steel	8.1
91-350-C-T4	14	350	600	1040	355.6	362	420	234	19	20	70	450	258	9% Cr Steel	14
91-350-D-T4	14	350	600	1630	355.6	362	420	243	24	24	60	456	267	9% Cr Steel	17
91-350-E-T4	14	350	600	2360	355.6	362	420	246	28	30	90	465	276	9% Cr Steel	25
91-350-F-T4	14	350	600	3750	355.6	362	420	258	40	36	90	474	294	9% Cr Steel	32
91-350-G-T4	14	350	600	5460	355.6	362	420	257	45	42	120	483	293	9% Cr Steel	43
91-350-H-T4	14	350	600	7480	355.6	362	420	270	52	48	120	492	315	9% Cr Steel	53
91-350-I-T4	14	350	600	9820	355.6	362	430	282	58	56	140	514	336	9% Cr Steel	75
91-400-A-T4	16	400	600	380	406.4	412	460	245	15	16	50	484	263	9% Cr Steel	7.5
91-400-B-T4	16	400	600	560	406.4	412	460	253	17	16	60	484	277	9% Cr Steel	11
91-400-C-T4	16	400	600	1040	406.4	412	460	260	19	20	70	490	284	9% Cr Steel	16
91-400-D-T4	16	400	600	1630	406.4	412	460	269	24	24	60	496	293	9% Cr Steel	18
91-400-E-T4	16	400	600	2360	406.4	412	460	272	28	30	90	505	302	9% Cr Steel	28
91-400-F-T4	16	400	600	3750	406.4	412	460	284	40	36	90	514	320	9% Cr Steel	35
91-400-G-T4	16	400	600	5460	406.4	412	460	283	45	42	130	523	319	9% Cr Steel	51
91-400-H-T4	16	400	600	7480	406.4	412	460	297	52	48	130	532	342	9% Cr Steel	63
91-400-I-T4	16	400	600	9820	406.4	412	460	310	58	56	140	544	364	9% Cr Steel	81
91-400-J-T4	16	400	600	13560	406.4	412	490	322	65	64	160	586	385	9% Cr Steel	111
91-450-B-T4	18	450	600	560	457.2	464	480	280	17	16	60	504	304	9% Cr Steel	12
91-450-C-T4	18	450	600	1040	457.2	464	480	286	19	20	70	510	310	9% Cr Steel	17
91-450-D-T4	18	450	600	1630	457.2	464	480	296	24	24	70	516	320	9% Cr Steel	23
91-450-E-T4	18	450	600	2360	457.2	464	480	299	28	30	90	525	329	9% Cr Steel	30
91-450-F-T4	18	450	600	3750	457.2	464	480	311	40	36	100	534	347	9% Cr Steel	42
91-450-G-T4	18	450	600	5460	457.2	464	480	310	45	42	140	543	346	9% Cr Steel	59
91-450-H-T4	18	450	600	7480	457.2	464	480	324	52	48	135	552	369	9% Cr Steel	70
91-450-I-T4	18	450	600	9820	457.2	464	490	338	58	56	140	574	392	9% Cr Steel	87
91-450-J-T4	18	450	600	13560	457.2	464	520	351	65	64	160	616	414	9% Cr Steel	120
91-450-K-T4	18	450	600	17900	457.2	464	550	358	70	72	180	658	421	9% Cr Steel	157
91-500-B-T4	20	500	600	560	508.0	516	510	306	17	16	60	534	330	9% Cr Steel	13
91-500-C-T4	20	500	600	1040	508.0	516	510	312	19	20	80	540	336	9% Cr Steel	21
91-500-D-T4	20	500	600	1630	508.0	516	510	322	24	24	70	546	346	9% Cr Steel	25
91-500-E-T4	20	500	600	2360	508.0	516	510	326	28	30	90	555	356	9% Cr Steel	32
91-500-F-T4	20	500	600	3750	508.0	516	510	338	40	36	100	564	374	9% Cr Steel	45
91-500-G-T4	20	500	600	5460	508.0	516	510	343	45	42	150	573	388	9% Cr Steel	69
91-500-H-T4	20	500	600	7480	508.0	516	510	361	52	48	120	582	406	9% Cr Steel	78

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91

Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-500-I-T4	20	500	600	9820	508.0	516	520	366	58	56	150	604	420	9% Cr Steel	101
91-500-J-T4	20	500	600	13560	508.0	516	540	379	65	64	160	636	442	9% Cr Steel	127
91-500-K-T4	20	500	600	17900	508.0	516	580	386	70	72	180	688	449	9% Cr Steel	168
91-500-L-T4	20	500	600	22740	508.0	516	580	399	77	80	200	700	471	9% Cr Steel	211
91-550-C-T4	22	550	600	1040	558.8	566	540	337	19	20	80	570	361	9% Cr Steel	23
91-550-D-T4	22	550	600	1630	558.8	566	540	348	24	24	80	576	372	9% Cr Steel	31
91-550-E-T4	22	550	600	2360	558.8	566	540	361	28	30	80	585	391	9% Cr Steel	39
91-550-F-T4	22	550	600	3750	558.8	566	540	380	40	36	90	594	425	9% Cr Steel	53
91-550-G-T4	22	550	600	5460	558.8	566	540	379	45	42	120	603	424	9% Cr Steel	71
91-550-H-T4	22	550	600	7480	558.8	566	540	387	52	48	120	612	432	9% Cr Steel	84
91-550-I-T4	22	550	600	9820	558.8	566	550	407	58	56	140	634	470	9% Cr Steel	116
91-550-J-T4	22	550	600	13560	558.8	566	590	406	65	64	170	686	469	9% Cr Steel	146
91-550-K-T4	22	550	600	17900	558.8	566	610	413	70	72	180	718	476	9% Cr Steel	178
91-550-L-T4	22	550	600	22740	558.8	566	620	426	77	80	200	740	498	9% Cr Steel	225
91-550-M-T4	22	550	600	28600	558.8	566	620	432	85	80	240	740	516	9% Cr Steel	273
91-600-C-T4	24	600	600	1040	609.6	618	560	364	19	20	100	590	388	9% Cr Steel	30
91-600-D-T4	24	600	600	1630	609.6	618	560	374	24	24	80	596	398	9% Cr Steel	32
91-600-E-T4	24	600	600	2360	609.6	618	560	388	28	30	80	605	418	9% Cr Steel	41
91-600-F-T4	24	600	600	3750	609.6	618	560	407	40	36	90	614	452	9% Cr Steel	57
91-600-G-T4	24	600	600	5460	609.6	618	560	406	45	42	120	623	451	9% Cr Steel	76
91-600-H-T4	24	600	600	7480	609.6	618	560	420	52	48	130	632	474	9% Cr Steel	97
91-600-I-T4	24	600	600	9820	609.6	618	580	435	58	56	140	664	498	9% Cr Steel	124
91-600-J-T4	24	600	600	13560	609.6	618	630	433	65	64	180	726	496	9% Cr Steel	165
91-600-K-T4	24	600	600	17900	609.6	618	640	441	70	72	190	748	504	9% Cr Steel	199
91-600-L-T4	24	600	600	22740	609.6	618	650	454	77	80	220	770	526	9% Cr Steel	263
91-600-M-T4	24	600	600	28600	609.6	618	660	461	85	80	260	780	545	9% Cr Steel	315
91-650-C-T4	26	650	600	1040	660.4	670	610	390	19	20	100	640	414	9% Cr Steel	33
91-650-D-T4	26	650	600	1630	660.4	670	610	404	24	24	90	646	434	9% Cr Steel	40
91-650-E-T4	26	650	600	2360	660.4	670	610	415	28	30	80	655	445	9% Cr Steel	44
91-650-F-T4	26	650	600	3750	660.4	670	610	433	40	36	100	664	478	9% Cr Steel	68
91-650-G-T4	26	650	600	5460	660.4	670	610	433	45	42	130	673	478	9% Cr Steel	89
91-650-H-T4	26	650	600	7480	660.4	670	610	456	52	48	120	682	510	9% Cr Steel	111
91-650-I-T4	26	650	600	9820	660.4	670	610	462	58	56	150	694	525	9% Cr Steel	141
91-650-J-T4	26	650	600	13560	660.4	670	650	479	65	64	160	746	542	9% Cr Steel	194
91-650-K-T4	26	650	600	17900	660.4	670	660	478	70	72	180	768	541	9% Cr Steel	221
91-650-L-T4	26	650	600	22740	660.4	670	670	482	77	80	240	790	554	9% Cr Steel	300
91-650-M-T4	26	650	600	28600	660.4	670	690	489	85	80	280	810	573	9% Cr Steel	358
91-700-C-T4	28	700	600	1040	711.2	721	640	416	19	20	100	670	440	9% Cr Steel	35
91-700-D-T4	28	700	600	1630	711.2	721	640	430	24	24	90	676	460	9% Cr Steel	42
91-700-E-T4	28	700	600	2360	711.2	721	640	440	28	30	90	685	470	9% Cr Steel	53
91-700-F-T4	28	700	600	3750	711.2	721	640	459	40	36	100	694	504	9% Cr Steel	72
91-700-G-T4	28	700	600	5460	711.2	721	640	469	45	42	110	703	514	9% Cr Steel	93
91-700-H-T4	28	700	600	7480	711.2	721	640	483	52	48	120	712	537	9% Cr Steel	117
91-700-I-T4	28	700	600	9820	711.2	721	640	489	58	56	160	724	552	9% Cr Steel	158
91-700-J-T4	28	700	600	13560	711.2	721	680	506	65	64	160	776	569	9% Cr Steel	205
91-700-K-T4	28	700	600	17900	711.2	721	690	505	70	72	180	798	568	9% Cr Steel	233
91-700-L-T4	28	700	600	22740	711.2	721	700	510	77	80	240	820	582	9% Cr Steel	316
91-700-M-T4	28	700	600	28600	711.2	721	720	516	85	80	300	840	600	9% Cr Steel	403
91-750-D-T4	30	750	600	1630	762.0	773	690	456	24	24	90	726	486	9% Cr Steel	45
91-750-E-T4	30	750	600	2360	762.0	773	690	467	28	30	90	735	497	9% Cr Steel	57
91-750-F-T4	30	750	600	3750	762.0	773	690	486	40	36	100	744	531	9% Cr Steel	77
91-750-G-T4	30	750	600	5460	762.0	773	690	496	45	42	120	753	541	9% Cr Steel	108
91-750-H-T4	30	750	600	7480	762.0	773	690	510	52	48	120	762	564	9% Cr Steel	125
91-750-I-T4	30	750	600	9820	762.0	773	690	516	58	56	165	774	579	9% Cr Steel	174
91-750-J-T4	30	750	600	13560	762.0	773	710	533	65	64	160	806	596	9% Cr Steel	215
91-750-K-T4	30	750	600	17900	762.0	773	720	538	70	72	200	828	610	9% Cr Steel	274
91-750-L-T4	30	750	600	22740	762.0	773	730	537	77	80	250	850	609	9% Cr Steel	346
91-800-D-T4	32	800	600	1630	812.8	824	710	482	24	24	100	746	512	9% Cr Steel	52
91-800-E-T4	32	800	600	2360	812.8	824	710	497	28	30	100	755	533	9% Cr Steel	66
91-800-F-T4	32	800	600	3750	812.8	824	710	512	40	36	110	764	557	9% Cr Steel	88
91-800-G-T4	32	800	600	5460	812.8	824	710	522	45	42	120	773	567	9% Cr Steel	113
91-800-H-T4	32	800	600	7480	812.8	824	710	537	52	48	125	782	591	9% Cr Steel	136
91-800-I-T4	32	800	600	9820	812.8	824	710	552	58	56	140	794	615	9% Cr Steel	174
91-800-J-T4	32	800	600	13560	812.8	824	740	566	65	64	160	836	638	9% Cr Steel	228

3 BOLT PIPE CLAMP - ALLOY AND CARBON STEEL - FIG 304, FIG 91



Part No.	Nom. Pipe Size		Max. Temp.	Max Load	Pipe O/D	I/Dia	A	B	C	D	F	G	H	Clamp Material	Weight
	in	mm	Deg.C	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
91-800-K-T4	32	800	600	17900	812.8	824	750	565	70	72	200	858	637	9% Cr Steel	288
91-800-L-T4	32	800	600	22740	812.8	824	770	572	77	80	280	890	656	9% Cr Steel	413
91-850-D-T4	34	850	600	1630	863.6	872	760	506	24	24	100	796	536	9% Cr Steel	56
91-850-E-T4	34	850	600	2360	863.6	872	760	521	28	30	100	805	557	9% Cr Steel	70
91-850-F-T4	34	850	600	3750	863.6	872	760	537	40	36	110	814	582	9% Cr Steel	94
91-850-G-T4	34	850	600	5460	863.6	872	760	546	45	42	120	823	591	9% Cr Steel	120
91-850-H-T4	34	850	600	7480	863.6	872	760	561	52	48	130	832	615	9% Cr Steel	150
91-850-I-T4	34	850	600	9820	863.6	872	760	576	58	56	140	844	639	9% Cr Steel	184
91-850-J-T4	34	850	600	13560	863.6	872	760	591	65	64	160	856	663	9% Cr Steel	237
91-850-K-T4	34	850	600	17900	863.6	872	780	590	70	72	220	888	662	9% Cr Steel	330
91-850-L-T4	34	850	600	22740	863.6	872	800	597	77	80	290	920	681	9% Cr Steel	446
91-900-D-T4	36	900	600	1630	914.4	926	790	534	24	24	100	826	564	9% Cr Steel	58
91-900-E-T4	36	900	600	2360	914.4	926	790	548	28	30	100	835	584	9% Cr Steel	74
91-900-F-T4	36	900	600	3750	914.4	926	790	564	40	36	120	844	609	9% Cr Steel	107
91-900-G-T4	36	900	600	5460	914.4	926	790	574	45	42	120	853	619	9% Cr Steel	125
91-900-H-T4	36	900	600	7480	914.4	926	790	589	52	48	140	862	643	9% Cr Steel	169
91-900-I-T4	36	900	600	9820	914.4	926	790	604	58	56	150	874	667	9% Cr Steel	206
91-900-J-T4	36	900	600	13560	914.4	926	790	619	65	64	170	886	691	9% Cr Steel	263
91-900-K-T4	36	900	600	17900	914.4	926	800	618	70	72	220	908	690	9% Cr Steel	344
91-900-L-T4	36	900	600	22740	914.4	926	830	625	77	80	290	950	709	9% Cr Steel	466
91-950-D-T4	38	950	600	1630	965.0	976	820	559	24	24	100	856	589	9% Cr Steel	61
91-950-E-T4	38	950	600	2360	965.0	976	820	574	28	30	100	865	610	9% Cr Steel	77
91-950-F-T4	38	950	600	3750	965.0	976	820	590	40	36	120	874	635	9% Cr Steel	112
91-950-G-T4	38	950	600	5460	965.0	976	820	599	45	42	130	883	644	9% Cr Steel	142
91-950-H-T4	38	950	600	7480	965.0	976	820	615	52	48	150	892	669	9% Cr Steel	189
91-950-I-T4	38	950	600	9820	965.0	976	820	630	58	56	160	904	693	9% Cr Steel	230
91-950-J-T4	38	950	600	13560	965.0	976	820	645	65	64	180	916	717	9% Cr Steel	290
91-950-K-T4	38	950	600	17900	965.0	976	830	644	70	72	230	938	716	9% Cr Steel	374
91-950-L-T4	38	950	600	22740	965.0	976	850	651	77	80	300	970	735	9% Cr Steel	499
91-1000-D-T4	40	1000	600	1630	1016.0	1026	840	584	24	24	110	876	614	9% Cr Steel	70
91-1000-E-T4	40	1000	600	2360	1016.0	1026	840	599	28	30	100	885	635	9% Cr Steel	80
91-1000-F-T4	40	1000	600	3750	1016.0	1026	840	615	40	36	120	894	660	9% Cr Steel	116
91-1000-G-T4	40	1000	600	5460	1016.0	1026	840	625	45	42	140	903	670	9% Cr Steel	158
91-1000-H-T4	40	1000	600	7480	1016.0	1026	840	640	52	48	150	912	694	9% Cr Steel	196
91-1000-I-T4	40	1000	600	9820	1016.0	1026	840	656	58	56	160	924	719	9% Cr Steel	238
91-1000-J-T4	40	1000	600	13560	1016.0	1026	840	671	65	64	190	936	743	9% Cr Steel	318
91-1000-K-T4	40	1000	600	17900	1016.0	1026	860	670	70	72	240	968	742	9% Cr Steel	406

SADDLE GUIDE/ANCHOR - FIG 319, FIG 319A



Material: Carbon Steel.
When ordering specify:
 Figure No.
 Nominal Pipe Size

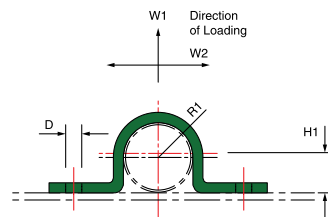


Fig 319 Saddle

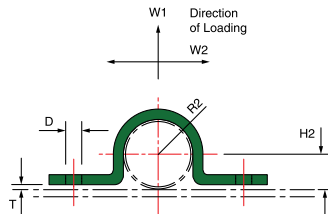
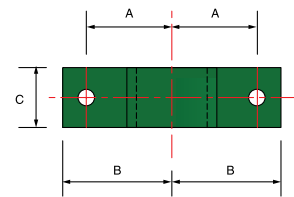
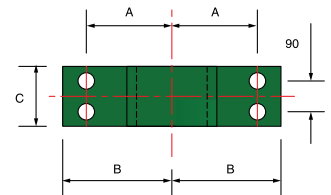


Fig 319A Anchor

PIPE O.D.
21.3 TO 219.1

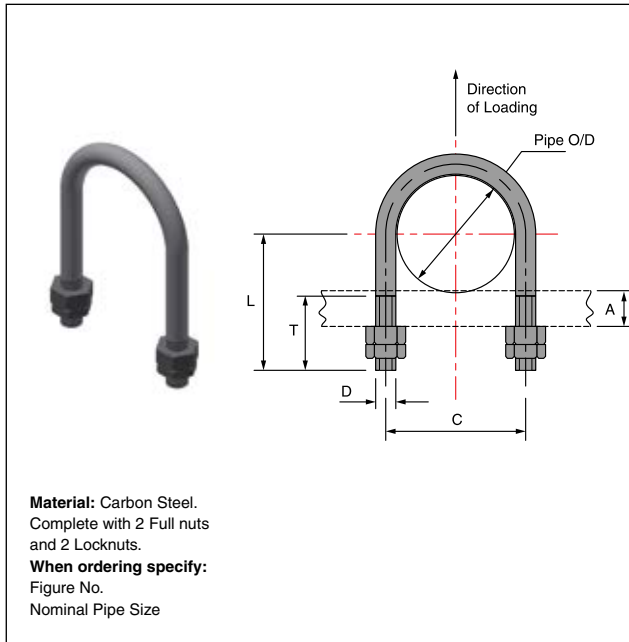


PIPE O.D.
273.0 TO 508.0



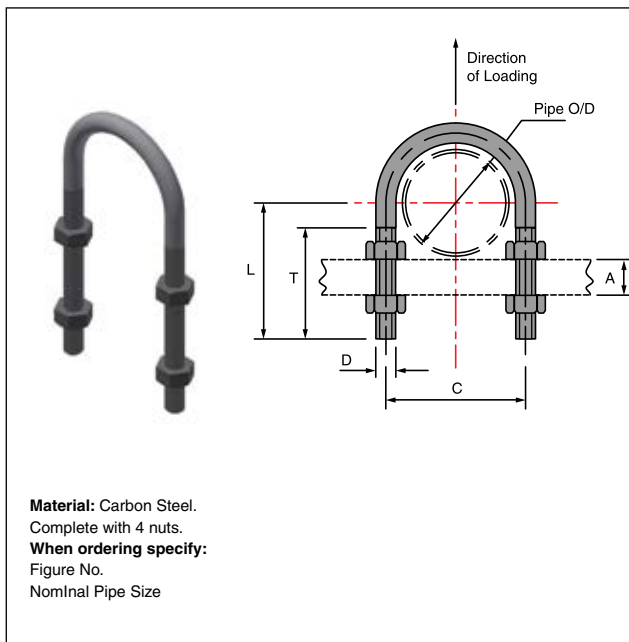
Nom Pipe Size	Pipe O/D	A	B	Mat Size C	D	Saddle		Anchor			Max Load (kg)	
						R1	H1	T	R2	H2	W1	W2
15	21.3	45	60	40x6	12	11.5	11	2	11.5	8	235	370
20	26.9	45	60	40x6	12	14	14	2	14	11		290
25	33.7	50	70	40x6	12	18	17	2	18	15		240
32	42.4	55	80	40x8	14	22	22	2	22	19	365	330
40	48.3	60	80	40x8	14	25	25	2	25	22		290
50	60.3	70	100	40x8	14	31	31	2	31	28		235
65	76.1	85	127	50x10	18	40	38	2	40	36	520	370
80	88.9	99	137	50x10	18	46	45	3	46	41		315
100	114.3	108	146	50x10	18	59	58	3	59	54		245
125	139.7	140	180	60x15	26	72	70	3	72	67	1080	550
150	168.3	155	200	60x15	26	86	85	3	86	81		450
200	219.1	180	230	60x15	26	112	110	4	112	105		345
250	273	205	250	150x15	26	139	137	4	139	132	2445	305
300	323.9	230	275	150x15	26	165	163	5	165	157		
350	356.6	245	290	150x15	26	181	179	5	181	173		
400	406.4	285	330	200x20	26	206	205	5	206	198	2750	975
450	457.2	310	355	200x20	26	232	230	5	232	223		
500	508	335	380	200x20	26	258	256	5	258	249		

U-BOLT (GRIPPED) - FIG 222



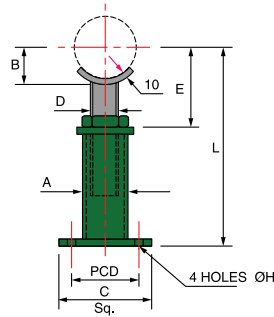
Nom Pipe Size	Pipe O/D	A	C	D	T	L	Max Load (kg)
15	21.3	7	28	6	25	37	220
20	26.9	10	33	6	25	40	220
25	33.7	10	40	6	25	43	220
32	42.4	10	53	10	35	49	545
40	48.3	16	60	10	35	56	545
50	60.3	16	71	10	35	60	545
65	76.1	20	89	12	40	78	1000
80	88.9	20	102	12	40	85	1000
90	101.6	20	116	12	40	90	1000
100	114.3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

U-BOLT (NON GRIPPED) - FIG 283



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

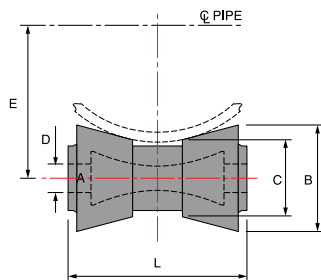
ADJUSTABLE PIPE SUPPORT - FIG 101



Material: Carbon Steel.
When ordering specify:
 Figure No
 Nominal Pipe Size
 Distance from floor to centre
 of Pipe L

Nom Pipe Size	Pipe O/D	Pipe A-NB	B	C	D	L		E	PCD	H	Max Load (kg)
						Min	Max				
65	76.1	50	48	150	M48	398	1750	184	110	14	75
80	88.9	50	55	150	M48	405	1750	191	110	14	110
90	101.6	80	61	200	M48	411	1750	197	150	18	150
100	114.3	80	67	200	50NB	420	1750	196	150	18	200
125	139.7	80	80	200	50NB	434	1750	208	150	18	305
150	168.3	100	94	280	65NB	450	1750	223	200	18	435
200	219.1	100	120	280	65NB	476	1750	249	200	18	725
250	273	100	147	280	65NB	503	1400	276	200	18	1250
300	323.9	100	172	280	65NB	529	1400	302	200	18	1785
350	355.6	100	188	280	65NB	545	1400	318	200	18	2300
400	406.4	100	214	280	65NB	570	1400	343	200	18	3190
450	457	150	240	350	100NB	603	1400	370	240	22	4150
500	508	150	264	350	100NB	627	1400	395	240	22	5310
550	558.8	150	290	350	100NB	652	1400	421	240	22	6650
600	610	150	315	350	100NB	678	1400	446	240	22	7985
650	660.4	150	340	350	100NB	703	1400	471	240	22	9730
700	711.2	150	366	350	100NB	729	1400	497	240	22	11470
750	762	150	391	350	100NB	781	1000	522	240	22	13210
800	812.8	150	417	350	100NB	816	1000	548	240	22	15370
900	914.4	150	468	350	100NB	832	1000	600	240	22	19680

PIPE ROLL - FIG 67

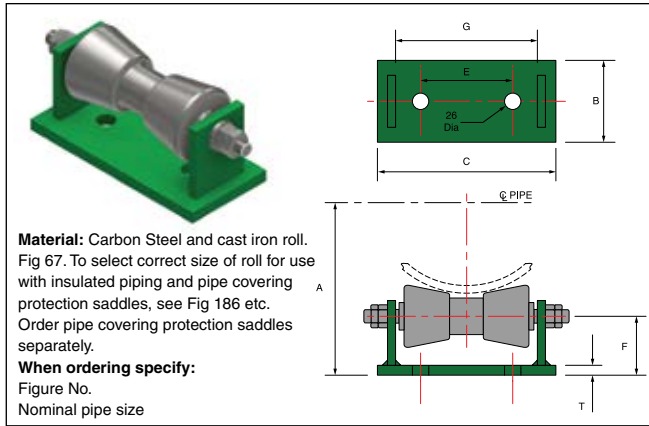


Material: Cast Iron.
 To select correct size of roll for use with
 covered piping and pipe covering protec-
 tion saddles,
 see Fig 186 etc.
When ordering specify:
 Figure No.
 Nominal Pipe Size

Nom Pipe Size	Pipe O/D	B	C	D	L	Rod Dia	E	Roll No.	Max Load (kg)
50	60.3	45	32	14	67	M12	46	1A	175
65	76.1	45	32	14	67	M12	52		175
80	88.9	45	32	14	67	M12	62		175
90	101.6	45	32	14	67	M12	68		175
100	114.3	54	38	14	93	M12	71	1	430
125	139.7	54	38	14	93	M12	87		430
150	168.3	54	38	14	93	M12	102		430
175	193.7	54	38	14	93	M12	117		430
200	219.1	90	52	22	153	M20	133	2	950
250	273	90	52	22	153	M20	162		950
300	323.9	98	58	26	205	M24	190	3	1385
350	355.6	98	58	26	205	M24	206		1385
400	406.4	115	80	32	232	M30	235	4	2255
450	457.2	115	80	32	232	M30	263		2255
500	508	115	80	32	232	M30	292		2255
550	558.8	112	80	38	255	M36	318	5	2765
600	609.6	112	80	38	255	M36	350		2765
650	660.4	136	104	44	320	M42	380	6	3400
700	711.2	136	104	44	320	M42	406		3400
750	762	136	104	44	320	M42	438		3400
800	812.8	159	112	50	379	M48	460	7	3400
900	914.4	159	112	50	379	M48	514		3400
1050	1066.8	159	112	50	379	M48	590		3400
1200	1219.2	159	112	50	379	M48	667		3400

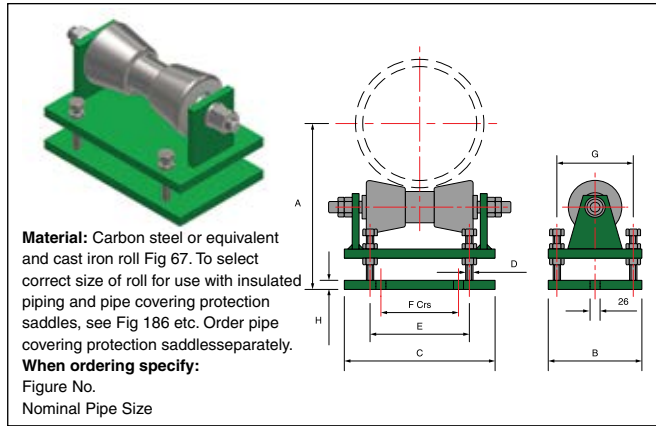
CPA ANCILLARIES - PIPE ATTACHMENTS

STEEL CHAIR AND ROLLER - FIG 39



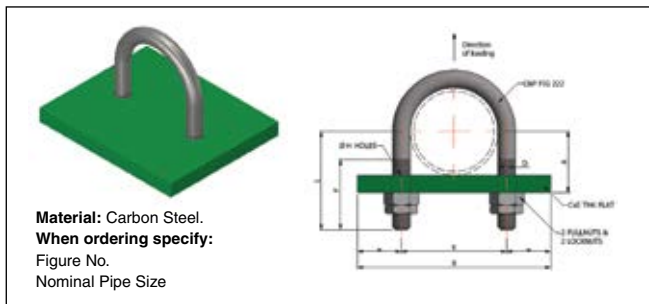
Size	Nom Pipe Size	Pipe O/D	A	B	C	E	F	G	T	Max Load (kg)
1A	50	60.3	99	150	210	160	53	75	8	175
1A	65	73	105	150	210	160	53	75	8	175
1A	80	88.9	115	150	210	160	53	75	8	175
1A	90	101.6	121	150	210	160	53	75	8	175
1	100	114.3	134	150	255	200	63	105	8	430
1	125	139.7	150	150	255	200	63	105	8	430
1	150	168.3	165	150	255	200	63	105	8	430
1	175	193.7	180	150	255	200	63	105	8	430
2	200	219.1	233	150	205	100	100	160	10	950
2	250	273	262	150	205	100	100	160	10	950
3	300	323.9	313	200	265	145	123	210	10	1395
3	350	355.6	329	200	265	145	123	210	10	1395
4	400	406.4	380	200	305	170	145	242	12	2260
4	450	457.2	408	200	305	170	145	242	12	2260
4	500	508	437	200	305	170	145	242	12	2260
5	550	558.8	440	250	330	190	122	264	12	2765
5	600	610	472	250	330	190	122	264	12	2765
6	650	660.4	523	300	510	250	143	329	15	3400
6	700	711.2	549	300	510	250	143	324	15	3400
6	750	762	581	300	510	250	143	329	15	3400

ADJUSTABLE STEEL CHAIR AND ROLL - FIG 40



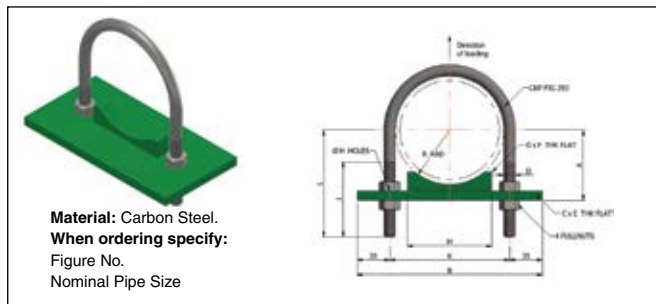
No	Nom Pipe Size	Dim A		B	C	D	E	F	G	H	Max Load (kg)
		Min	Max								
1A	50	124	162	150	210	M16	155	145	100	12	180
1A	65	130	168	150	210	M16	155	145	100	12	180
1A	80	140	178	150	210	M16	155	145	100	12	180
1A	90	146	184	150	210	M16	155	145	100	12	180
1	100	159	197	150	255	M16	203	190	100	12	430
1	125	175	213	150	255	M16	203	190	100	12	430
1	150	190	228	150	255	M16	203	190	100	12	430
1	175	205	243	150	255	M16	203	190	100	12	430
2	200	264	294	150	205	M20	133	130	114	15	955
2	250	293	323	150	205	M20	133	130	114	15	955
3	300	349	414	200	265	M20	203	187	145	20	1385
3	350	368	429	200	265	M24	203	187	145	20	1385
4	400	424	488	200	305	M24	247	230	150	25	2255
4	450	452	516	200	305	M24	247	230	150	25	2255
4	500	481	545	200	305	M24	247	230	150	25	2255
5	550	489	555	250	330	M30	254	248	178	25	2765
5	600	521	588	250	330	M30	254	248	178	25	2765
6	650	572	666	300	510	M30	432	425	230	25	3400
6	700	598	692	300	510	M30	432	425	230	25	3400
6	750	630	724	300	510	M30	432	425	230	25	3400

ANCHOR CHAIR - FIG 127 (SIZES 20-90)



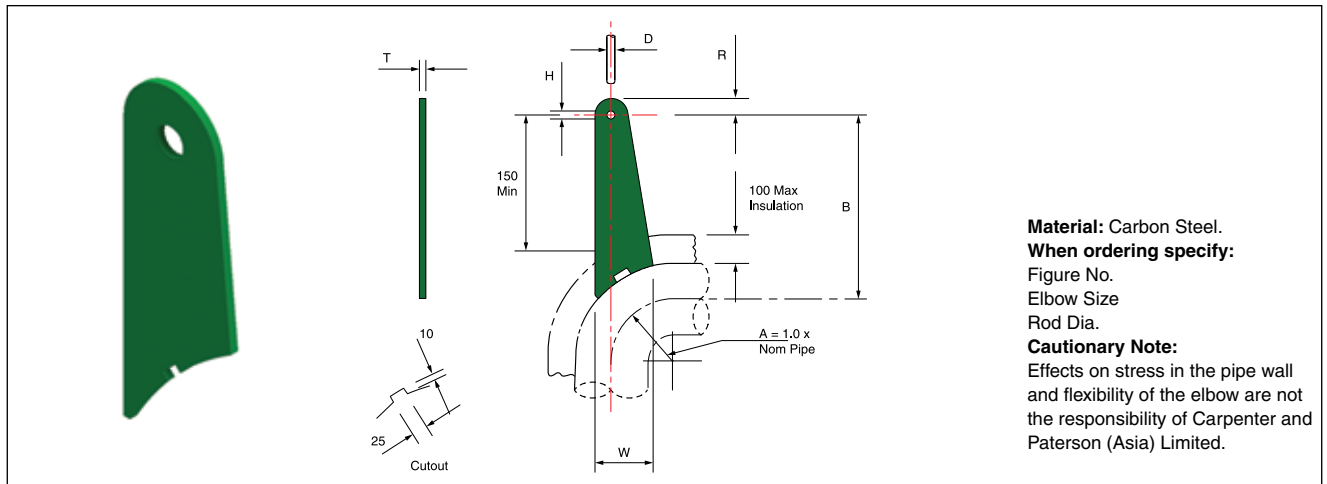
Nom Pipe Size	Pipe O/D	A	B	C	D	E	L	Max Load (kg)
20	26.9	22	70	65	M6	8	40	220
25	33.7	25	80	65	M6	8	43	220
32	42.4	29	90	65	M10	8	49	545
40	48.3	34	110	90	M10	10	56	545
50	60.3	40	120	90	M10	10	60	545
65	76.1	48	140	90	M12	10	78	1000
80	88.9	55	165	100	M12	10	85	1000
90	101.6	61	180	100	M12	10	90	1000

ANCHOR CHAIR - FIG 127 (SIZES 100-600)



Nom Pipe Size	Pipe O/D	A	B	C	D	E	F	L	Max Load (kg)
100	114.3	75	198	100	M12	10	15	114	1000
125	139.7	95	225	100	M12	10	15	129	1000
150	168.3	105	259	130	M16	10	20	154	1000
200	219.1	135	308	130	M16	12	20	176	1635
250	273	165	367	130	M20	12	20	213	1635
300	323.9	195	418	130	M20	12	20	246	1635
350	355.6	215	450	130	M20	12	25	260	1635
400	406.4	245	501	130	M20	15	25	285	1635
450	457.2	275	554	150	M24	15	25	320	2450
500	508	305	606	150	M24	15	30	345	2450
600	609.6	355	708	150	M24	15	30	400	2450

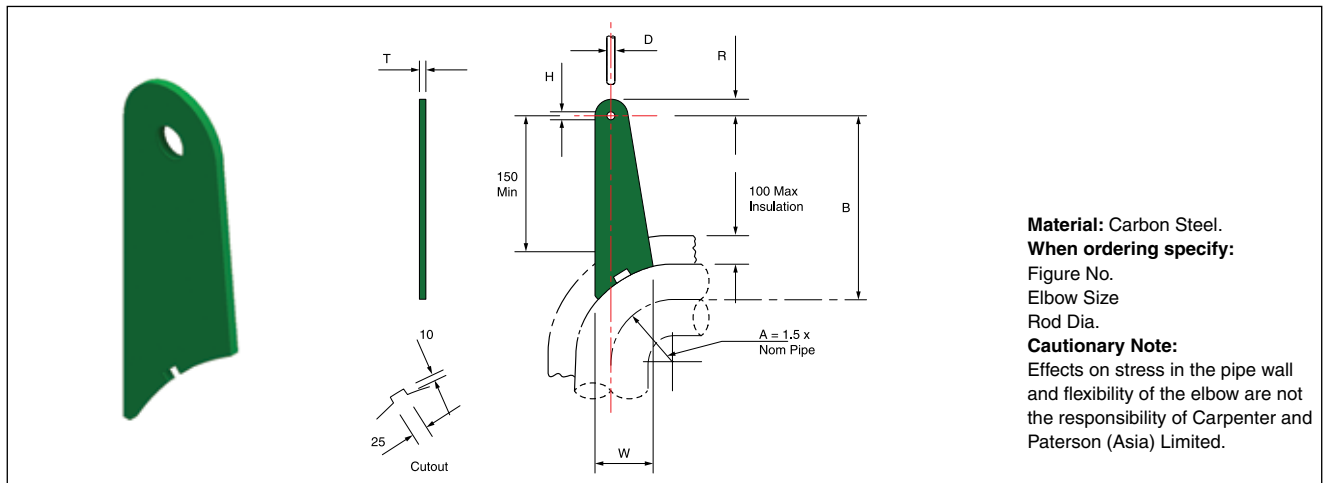
ELBOW HANGER (SRWE) - FIG 337A



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
T	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

Nom Pipe	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	50

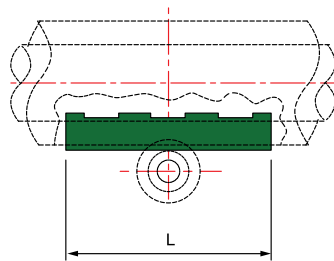
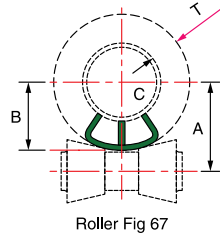
ELBOW HANGER (LRWE) - FIG 337B



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
T	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

Nom Pipe	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

PIPE COVERING PROTECTION SADDLES - FIG 186



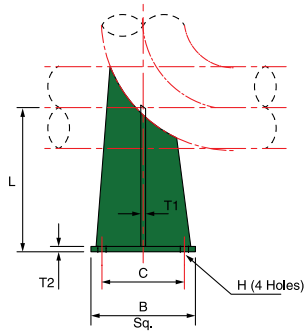
Material: Carbon Steel.
When ordering specify:
 Figure No.
 Nominal Pipe Size
Note: Centre Rib 'C' is fitted to saddles for Nom Pipe sizes 150 to 600.
 Length L - Standard Lengths up to 65 NB - 205 long 80 NB to 600NB - 305 long

Nom Pipe Size	Pipe O/D	Max Load (kg)	Thick Cover	Fig No. Saddle	Roll Size Fig 67	A	B
20	26.6	326	25	FIG 186	1A	64	48
			40	FIG 290	1	75	57
			50	FIG 291	1	88	70
			65	FIG 187	1	104	86
25	33.7	314	25	FIG 186	1A	67	51
			40	FIG 290	1	82	64
			50	FIG 291	1	92	73
			65	FIG 187	1	104	86
32	42.4	304	25	FIG 186	1A	71	54
			40	FIG 290	1	88	70
			50	FIG 291	1	97	79
			65	FIG 187	1	107	89
40	48.3	294	25	FIG 186	1A	75	57
			40	FIG 290	1	88	70
			50	FIG 291	1	101	83
			65	FIG 187	1	111	92
50	60.3	223	25	FIG 186	1	82	64
			40	FIG 290	1	94	76
			50	FIG 291	1	105	87
			65	FIG 187	2	124	98
			75	FIG 188	2	140	114
65	76.1	213	25	FIG 186	1	88	70
			40	FIG 290	1	101	83
			50	FIG 291	2	120	95
			65	FIG 187	2	130	105
			75	FIG 188	2	154	127
80	88.9	310	25	FIG 186	1	97	79
			40	FIG 290	1	111	92
			50	FIG 291	2	128	102
			65	FIG 187	2	137	112
			75	FIG 188	2	161	133
90	101.6	294	25	FIG 186	1	104	86
			40	FIG 290	1	117	98
			50	FIG 291	2	136	111
			65	FIG 187	2	143	119
			75	FIG 188	2	165	137
100	114.3	244	25	FIG 186	1	107	89
			40	FIG 290	1	125	105
			50	FIG 291	2	142	117
			65	FIG 187	2	149	124
			75	FIG 188	2	168	140
			100	FIG 292	2	194	165

PIPE COVERING PROTECTION SADDLES - FIG 186

Nom Pipe Size	Pipe O/D	Max Load (kg)	Thick Cover	Fig No. Saddle	Roll Size Fig 67	A	B
125	139.7	219	25	FIG 186	1	122	102
			40	FIG 290	2	147	121
			50	FIG 291	2	157	130
			65	FIG 187	2	168	140
			75	FIG 188	2	181	156
			100	FIG 292	2	209	181
150	168.3	748	25	FIG 186	1	137	117
			40	FIG 290	2	161	133
			50	FIG 291	2	170	143
			65	FIG 187	3	179	152
			75	FIG 188	3	191	165
			100	FIG 292	3	225	197
200	219.1	664	25	FIG 186	2	168	140
			40	FIG 290	2	184	159
			50	FIG 291	3	197	171
			65	FIG 187	3	212	184
			75	FIG 188	3	220	191
			100	FIG 292	4	264	225
250	273	605	25	FIG 186	3	196	168
			40	FIG 290	3	216	187
			50	FIG 291	3	233	203
			65	FIG 187	4	248	210
			75	FIG 188	4	264	225
			100	FIG 292	4	283	244
350	355.6	1246	25	FIG 186	4	255	216
			40	FIG 290	4	271	232
			50	FIG 291	4	277	238
			65	FIG 187	4	294	254
			75	FIG 188	4	307	267
			100	FIG 292	5	319	289
400	406.4	1625	25	FIG 186	4	281	241
			40	FIG 290	4	294	254
			50	FIG 291	4	307	267
			65	FIG 187	4	319	279
			75	FIG 188	5	319	286
			100	FIG 292	5	346	314
450	457.2	2710	25	FIG 186	4	307	267
			40	FIG 290	4	319	279
			50	FIG 291	5	320	287
			65	FIG 187	5	338	301
			75	FIG 188	5	343	311
			100	FIG 292	5	371	340
500	508	2545	25	FIG 186	5	321	289
			40	FIG 290	5	339	302
			50	FIG 291	5	344	312
			65	FIG 187	5	359	327
			75	FIG 188	6	388	337
			100	FIG 292	6	413	362
600	609.6	2231	25	FIG 186	6	390	340
			40	FIG 290	6	404	353
			50	FIG 291	6	413	362
			65	FIG 187	6	430	378
			75	FIG 188	6	437	385
			100	FIG 292	6	457	413

BASE ANCHOR - FIG 375



Material: Carbon Steel

When ordering specify:

Figure No.

Nominal Pipe Size

Height L

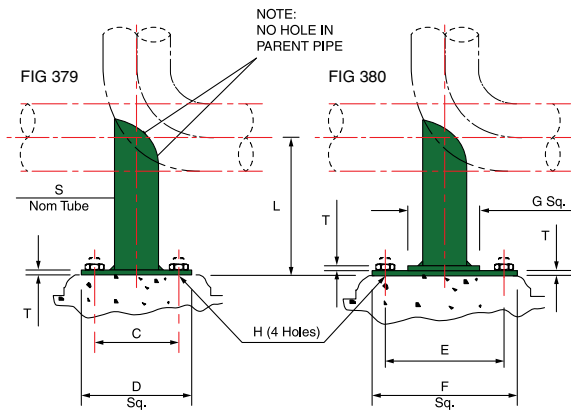
For Horizontal Pipe or for Long or Short Radius Welding Elbows

Cautionary Note:

Effects on stress in the pipe wall and flexibility of the elbow are not the responsibility of Carpenter and Paterson (Asia) Limited.

Nom Pipe Size	Pipe O/D	B	C	H	Plt. Thick		Max Vertical Load (kg)	Max L
					T1	T2		
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

RIGID BASE SUPPORT/SLIDING BASE SUPPORT - FIG 379H, FIG 379E, FIG 380H, FIG 380E



Material: Carbon Steel.

When ordering specify:

Figure No.

Nominal Pipe Size

Height L

FIG 379H/380H for Horizontal Pipe

FIG 379E/380E for Long or Short Radius

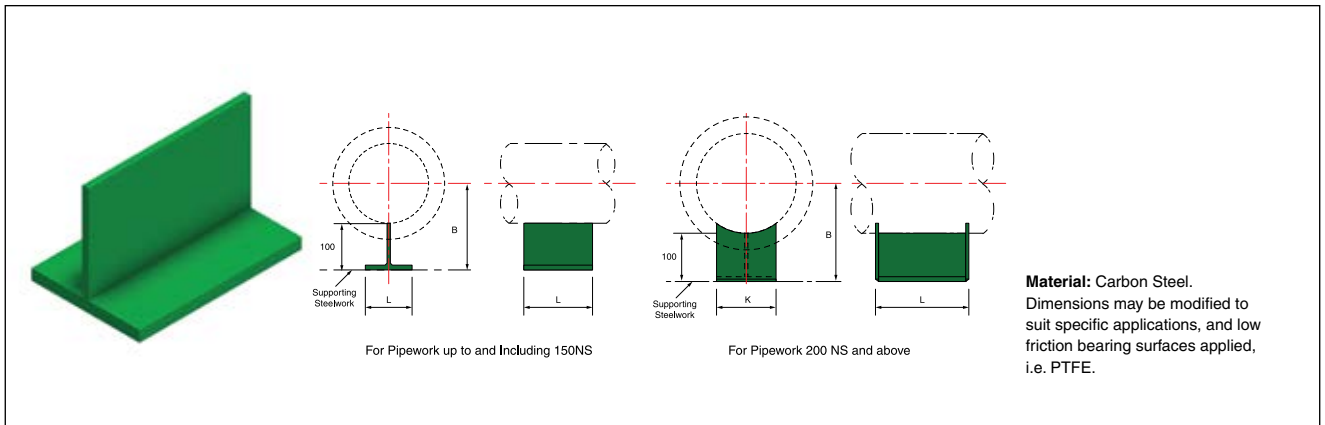
Welding Elbows

Cautionary Note:

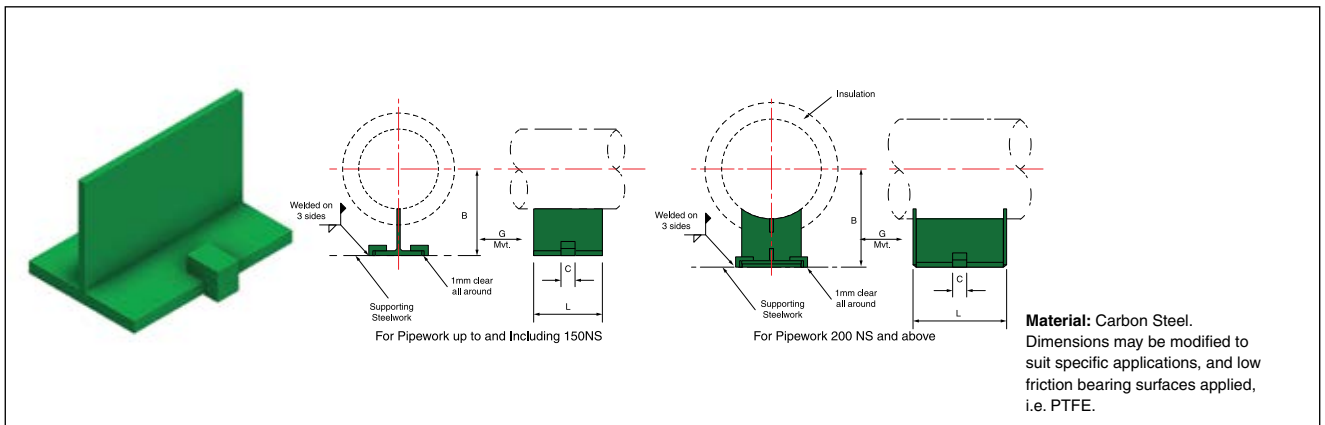
Effects on stress in the pipe wall and flexibility of the elbow are not the responsibility of Carpenter and Paterson (Asia) Limited.

Nom Pipe Size	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	2-14	6	50	205
80	88.9	300	114	150	165	200	100	2-14	6	50	365
90	101.6	300	114	150	165	200	100	2-14	6	50	454
100	114.3	600	152	200	215	265	130	4-22	10	80	544
125	139.7	600	152	200	215	265	130	4-22	10	80	907
150	168.3	600	152	200	215	265	130	4-22	10	80	1134
200	219.1	600	203	250	250	300	160	4-22	10	100	1360
250	273	600	203	250	250	300	190	4-22	10	150	1724
300	323.9	600	241	300	250	300	190	4-22	10	150	1814
350	355.6	600	241	300	300	350	220	4-22	12	150	2721
400	406.4	900	290	350	300	350	240	4-22	12	200	2948
450	457	900	290	350	300	350	240	4-22	12	200	3175
500	508	1100	330	400	360	430	300	4-26	15	250	3630
600	610	1100	330	400	360	430	300	4-26	15	250	4080

SLIDING SUPPORT (WELDED TYPE) - FIG 381

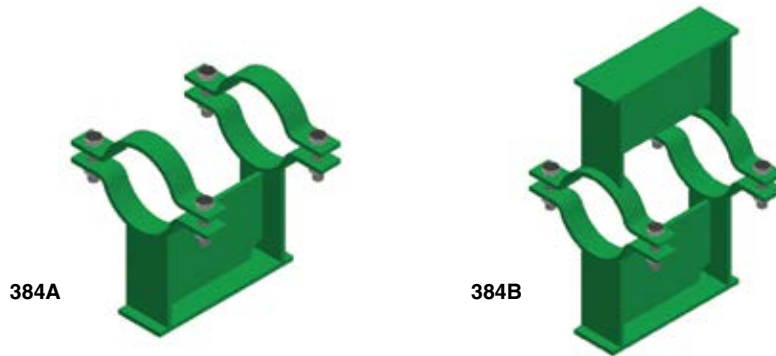


SLIDING GUIDE (WELDED TYPE) - FIG 382

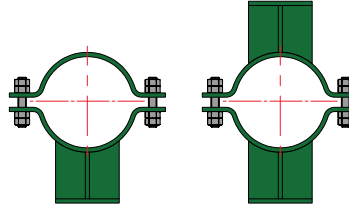
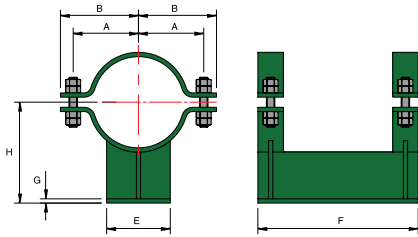


Nom Pipe Size	Pipe O/D	B	C	Max Mvt G	K	L	Cut From	Max load (kg)
20	26.6	114	50	100	60	150	Plate	230
25	33.4	117	50	100	60	150	Plate	
32	42.1	121	50	100	60	150	Plate	
40	48.3	125	50	100	60	150	Plate	
50	60.3	131	50	100	60	150	Plate	
65	76.1	138	50	100	100	150	203x102x23	450
80	88.9	145	50	100	100	150	203x102x23 U/B	
90	101.6	151	50	100	100	150	203x102x23 U/B	
100	114.3	158	65	90	100	150	203x102x23 U/B	
125	139.7	170	65	90	100	150	203x102x23 U/B	800
150	168.3	185	65	90	100	150	203x102x23 U/B	
200	219.1	210	80	100	134	200	203x133x30 U/B	2900
250	273	237	80	100	134	200	203x133x30 U/B	
300	323.9	262	80	100	205	200	203x203x60 U/C	5900
350	355.6	278	80	150	205	250	203x203x60 U/C	6500
400	406.4	304	80	150	205	250	203x203x60 U/C	
450	457	329	80	145	254	250	254x254x73 U/C	7900
500	508	354	90	180	305	300	305x305x97 U/C	
550	558.8	380	90	180	305	300	305x305x97 U/C	8700
600	610	405	90	180	305	300	305x305x97 U/C	9200

CLAMP BASE 1/2 WAY - FIG 384A, 384B



Part No. Fig. 384A	Part No. Fig. 384B	Nominal Pipe Size		Max. Temp.	Max Vertical Load Fv	Pipe O/D	A	B	E	F	G	H	Weight Fig. 384A	Weight Fig. 384B
		in	mm	Deg. C	kg	mm	mm	mm	mm	mm	mm	mm	kg	kg
384A-15-OO-T0	384B-15-OO-T0	1/2	15	400	100	21.3	32	51	40	120	6	65	1	1.5
384A-15-OO-T1	384B-15-OO-T1	1/2	15	450	100	21.3	32	51	70	180	6	115	2.2	3.6
384A-15-OO-T2	384B-15-OO-T2	1/2	15	550	100	21.3	32	51	70	200	6	115	2.4	3.9
384A-15-OO-T3	384B-15-OO-T3	1/2	15	600	100	21.3	32	51	100	200	10	165	4.6	8.3
384A-15-OO-T4	384B-15-OO-T4	1/2	15	600	100	21.3	32	51	100	200	6	165	3.1	5.4
384A-20-OO-T0	384B-20-OO-T0	3/4	20	400	100	26.9	32	51	40	120	6	65	1	1.5
384A-20-OO-T1	384B-20-OO-T1	3/4	20	450	100	26.9	32	51	70	180	6	115	2.2	3.6
384A-20-OO-T2	384B-20-OO-T2	3/4	20	550	100	26.9	32	51	70	200	6	115	2.4	3.9
384A-20-OO-T3	384B-20-OO-T3	3/4	20	600	100	26.9	32	51	100	200	10	165	4.6	8.3
384A-20-OO-T4	384B-20-OO-T4	3/4	20	600	100	26.9	32	51	100	200	6	165	3.1	5.4
384A-25-OO-T0	384B-25-OO-T0	1	25	400	100	33.4	38	57	45	120	6	70	1.1	1.6
384A-25-OO-T1	384B-25-OO-T1	1	25	450	100	33.4	40	60	75	180	6	120	2.4	3.8
384A-25-OO-T2	384B-25-OO-T2	1	25	550	100	33.4	40	60	75	200	6	120	2.6	4.1
384A-25-OO-T3	384B-25-OO-T3	1	25	600	100	33.4	40	60	105	200	10	170	4.8	8.6
384A-25-OO-T4	384B-25-OO-T4	1	25	600	100	33.4	40	60	105	200	6	170	3.3	5.6
384A-32-OO-T0	384B-32-OO-T0	1 1/4	32	400	100	42.4	44	63	50	120	6	75	1.1	1.7
384A-32-OO-T1	384B-32-OO-T1	1 1/4	32	450	100	42.4	46	65	80	180	6	125	2.5	4
384A-32-OO-T2	384B-32-OO-T2	1 1/4	32	550	100	42.4	46	65	80	200	6	125	2.7	4.3
384A-32-OO-T3	384B-32-OO-T3	1 1/4	32	600	100	42.4	46	65	110	200	10	175	5	8.8
384A-32-OO-T4	384B-32-OO-T4	1 1/4	32	600	100	42.4	46	65	110	200	6	175	3.4	5.8
384A-40-OO-T0	384B-40-OO-T0	1 1/2	40	400	100	48.3	51	70	50	120	6	75	1.6	2.1
384A-40-OO-T1	384B-40-OO-T1	1 1/2	40	450	100	48.3	51	70	80	180	6	125	2.6	4
384A-40-OO-T2	384B-40-OO-T2	1 1/2	40	550	100	48.3	51	70	110	200	6	175	3.5	5.8
384A-40-OO-T3	384B-40-OO-T3	1 1/2	40	600	100	48.3	51	70	110	200	10	175	5	8.8
384A-40-OO-T4	384B-40-OO-T4	1 1/2	40	600	100	48.3	51	70	110	200	6	175	3.5	5.8
384A-50-OO-T0	384B-50-OO-T0	2	50	400	100	60.3	57	76	55	180	6	85	2.3	3.1
384A-50-OO-T1	384B-50-OO-T1	2	50	450	100	60.3	57	76	85	250	6	135	3.5	5.6
384A-50-OO-T2	384B-50-OO-T2	2	50	550	100	60.3	57	76	115	250	6	185	4.5	7.5
384A-50-OO-T3	384B-50-OO-T3	2	50	600	100	60.3	57	76	115	250	10	185	6.4	11.4
384A-50-OO-T4	384B-50-OO-T4	2	50	600	100	60.3	57	76	115	250	6	185	4.5	7.5
384A-65-O-T0	384B-65-O-T0	2 1/2	65	400	230	73	70	89	55	180	6	90	2.4	3.2
384A-65-O-T1	384B-65-O-T1	2 1/2	65	450	230	73	70	89	85	250	6	140	3.7	5.7
384A-65-O-T2	384B-65-O-T2	2 1/2	65	550	230	73	70	89	115	250	10	190	6.5	11.4
384A-65-O-T3	384B-65-O-T3	2 1/2	65	600	230	73	70	89	115	250	12	190	7.5	13.3
384A-65-O-T4	384B-65-O-T4	2 1/2	65	600	230	73	70	89	115	250	8	190	5.6	9.5
384A-80-O-T0	384B-80-O-T0	3	80	400	230	88.9	76	96	60	180	6	95	2.6	3.4
384A-80-O-T1	384B-80-O-T1	3	80	450	230	88.9	76	96	90	250	6	145	3.8	5.9
384A-80-O-T2	384B-80-O-T2	3	80	550	230	88.9	76	96	150	300	10	245	9.6	17.4
384A-80-O-T3	384B-80-O-T3	3	80	600	230	88.9	76	96	150	300	15	245	13.3	24.9
384A-80-O-T4	384B-80-O-T4	3	80	600	230	88.9	76	96	150	300	8	245	8.1	14.4
384A-100-A-T0	384B-100-A-T0	4	100	400	380	114.3	95	113	100	180	6	160	5	7.4
384A-100-A-T1	384B-100-A-T1	4	100	450	380	114.3	95	113	130	250	6	210	7.4	12.3
384A-100-A-T2	384B-100-A-T2	4	100	550	380	114.3	95	113	160	300	6	260	10.3	18.1
384A-100-A-T3	384B-100-A-T3	4	100	600	380	114.3	95	113	160	300	6	260	10.3	18.1
384A-100-A-T4	384B-100-A-T4	4	100	600	380	114.3	95	113	160	300	6	260	10.3	18.1
384A-125-B-T0	384B-125-B-T0	5	125	400	560	141.3	114	132	110	180	6	175	5.6	8.3
384A-125-B-T1	384B-125-B-T1	5	125	450	560	141.3	114	132	140	250	6	225	8.2	13.4
384A-125-B-T2	384B-125-B-T2	5	125	550	560	141.3	114	132	170	300	6	275	11.1	19.2



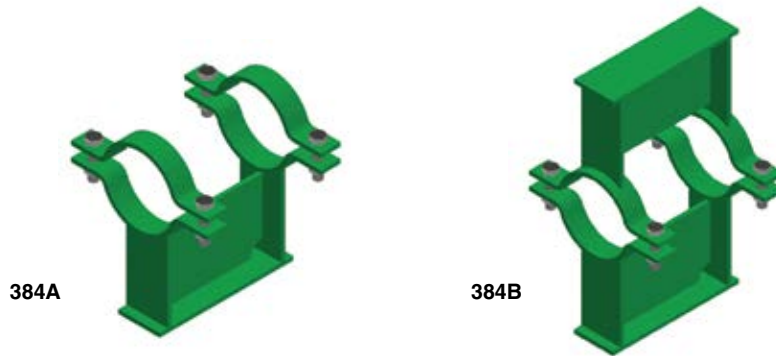
Materials:

Range T0 - Carbon Steel
Range T1 - Alloy Steel
Range T2 - Alloy Steel
Range T3 - Alloy Steel
Range T4 - 9% Cr Steel

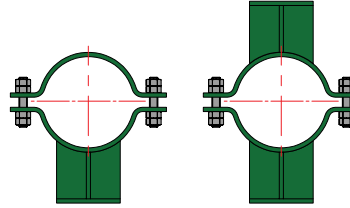
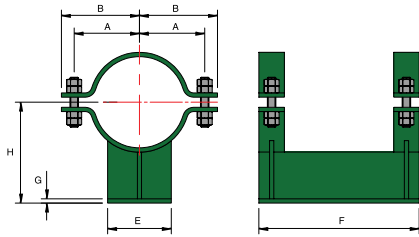
Note: Maximum vertical load for Fig. 384A is for downward acting loads. Maximum vertical load for Fig. 384B is for downward or upward acting loads. Maximum lateral and axial loads for Fig. 384A and Fig. 384B are 30% of the vertical load.

Part No. Fig. 384A	Part No. Fig. 384B	Nominal Pipe Size		Max. Temp. Deg. C	Max Vertical Load Fv kg	Pipe O/D mm	A mm	B mm	E mm	F mm	G mm	H mm	Weight Fig. 384A kg	Weight Fig. 384B kg
		in	mm											
384A-125-B-T3	384B-125-B-T3	5	125	600	560	141.3	114	132	170	300	6	275	11.1	19.2
384A-125-B-T4	384B-125-B-T4	5	125	600	560	141.3	114	132	170	300	6	275	11.1	19.2
384A-150-A-T0	384B-150-A-T0	6	150	400	380	168.3	118	136	115	250	6	185	7.2	10.5
384A-150-A-T1	384B-150-A-T1	6	150	450	380	168.3	118	136	145	300	6	235	9.8	15.7
384A-150-A-T2	384B-150-A-T2	6	150	550	380	168.3	118	136	175	350	6	285	13.1	22.2
384A-150-A-T3	384B-150-A-T3	6	150	600	380	168.3	118	136	175	350	6	285	13.1	22.2
384A-150-A-T4	384B-150-A-T4	6	150	600	380	168.3	114	132	175	350	6	285	12.3	21.5
384A-150-C-T0	384B-150-C-T0	6	150	400	1040	168.3	126	150	115	250	6	185	9	12.3
384A-150-C-T1	384B-150-C-T1	6	150	450	1040	168.3	126	150	145	300	6	235	11.6	17.4
384A-150-C-T2	384B-150-C-T2	6	150	550	1040	168.3	126	150	175	350	6	285	14.8	23.9
384A-150-C-T3	384B-150-C-T3	6	150	600	1040	168.3	126	150	175	350	6	285	14.8	23.9
384A-150-C-T4	384B-150-C-T4	6	150	600	1040	168.3	126	150	175	350	6	285	14.8	23.9
384A-175-A-T0	384B-175-A-T0	7	175	400	380	193.7	132	150	125	300	6	200	8.4	12.4
384A-175-A-T1	384B-175-A-T1	7	175	450	380	193.7	132	150	155	300	6	250	10.5	16.7
384A-175-A-T2	384B-175-A-T2	7	175	550	380	193.7	132	150	185	350	6	300	13.9	23.5
384A-175-A-T3	384B-175-A-T3	7	175	600	380	193.7	132	150	215	350	6	350	16.6	28.8
384A-175-A-T4	384B-175-A-T4	7	175	600	380	193.7	128	146	215	350	6	350	15.7	28
384A-175-C-T0	384B-175-C-T0	7	175	400	1040	193.7	139	163	125	300	6	200	10.3	14.3
384A-175-C-T1	384B-175-C-T1	7	175	450	1040	193.7	139	163	155	300	6	250	12.4	18.5
384A-175-C-T2	384B-175-C-T2	7	175	550	1040	193.7	139	163	185	350	6	300	15.8	25.2
384A-175-C-T3	384B-175-C-T3	7	175	600	1040	193.7	139	163	215	350	6	350	18.8	31.3
384A-175-C-T4	384B-175-C-T4	7	175	600	1040	193.7	139	163	215	350	6	350	18.8	31.3
384A-200-B-T0	384B-200-B-T0	8	200	400	560	219.1	145	163	130	300	6	210	8.8	12.9
384A-200-B-T1	384B-200-B-T1	8	200	450	560	219.1	145	163	160	300	6	260	11	17.2
384A-200-B-T2	384B-200-B-T2	8	200	550	560	219.1	145	163	220	350	6	360	17.4	30
384A-200-B-T3	384B-200-B-T3	8	200	600	560	219.1	145	163	220	350	6	360	17.4	30
384A-200-B-T4	384B-200-B-T4	8	200	600	560	219.1	141	159	220	350	6	360	16.3	29.1
384A-200-D-T0	384B-200-D-T0	8	200	400	1630	219.1	153	177	130	300	6	210	10.8	14.9
384A-200-D-T1	384B-200-D-T1	8	200	450	1630	219.1	153	177	160	300	6	260	13	19.2
384A-200-D-T2	384B-200-D-T2	8	200	550	1630	219.1	153	177	220	350	6	360	19.3	31.9
384A-200-D-T3	384B-200-D-T3	8	200	600	1630	219.1	153	177	220	350	8	360	23.4	39.9
384A-200-D-T4	384B-200-D-T4	8	200	600	1630	219.1	153	177	220	350	6	360	19.3	31.9
384A-225-B-T0	384B-225-B-T0	9	225	400	560	244.5	158	176	140	300	6	225	9.5	13.9
384A-225-B-T1	384B-225-B-T1	9	225	450	560	244.5	158	176	170	300	6	275	11.7	18.4
384A-225-B-T2	384B-225-B-T2	9	225	550	560	244.5	158	176	230	350	6	375	18.3	31.4
384A-225-B-T3	384B-225-B-T3	9	225	600	560	244.5	158	176	230	350	6	375	18.3	31.4
384A-225-B-T4	384B-225-B-T4	9	225	600	560	244.5	154	172	230	350	6	375	17.2	30.4
384A-225-D-T0	384B-225-D-T0	9	225	400	1630	244.5	166	190	140	300	6	225	11.6	16
384A-225-D-T1	384B-225-D-T1	9	225	450	1630	244.5	166	190	170	300	6	275	13.8	20.4
384A-225-D-T2	384B-225-D-T2	9	225	550	1630	244.5	166	190	230	350	6	375	20.3	33.4
384A-225-D-T3	384B-225-D-T3	9	225	600	1630	244.5	166	190	230	350	8	375	24.5	41.7
384A-225-D-T4	384B-225-D-T4	9	225	600	1630	244.5	166	190	230	350	6	375	20.3	33.4
384A-250-C-T0	384B-250-C-T0	10	250	400	1040	273	181	205	145	300	6	240	14	18.4
384A-250-C-T1	384B-250-C-T1	10	250	450	1040	273	181	205	175	300	6	290	16.2	22.9
384A-250-C-T2	384B-250-C-T2	10	250	550	1040	273	181	205	235	400	6	390	23.8	38.1
384A-250-C-T3	384B-250-C-T3	10	250	600	1040	273	181	205	235	400	6	390	23.8	38.1
384A-250-C-T4	384B-250-C-T4	10	250	600	1040	273	177	201	235	400	6	390	22.2	36.6
384A-250-E-T0	384B-250-E-T0	10	250	400	2360	273	189	219	145	300	8	240	18.5	24.3

CLAMP BASE 1/2 WAY - FIG 384A, 384B



Part No. Fig. 384A	Part No. Fig. 384B	Nominal Pipe Size		Max. Temp.	Max Vertical Load Fv	Pipe O/D	A	B	E	F	G	H	Weight Fig. 384A	Weight Fig. 384B
		in	mm	Deg. C	kg	mm	mm	mm	mm	mm	mm	mm	kg	kg
384A-250-E-T1	384B-250-E-T1	10	250	450	2360	273	189	219	175	300	8	290	21.4	30.2
384A-250-E-T2	384B-250-E-T2	10	250	550	2360	273	189	219	235	400	8	390	31.5	50.3
384A-250-E-T3	384B-250-E-T3	10	250	600	2360	273	189	219	235	400	10	390	36	59.3
384A-250-E-T4	384B-250-E-T4	10	250	600	2360	273	185	215	235	400	8	390	29.8	48.7
384A-300-C-T0	384B-300-C-T0	12	300	400	1040	323.9	208	232	160	300	8	265	17.1	23.3
384A-300-C-T1	384B-300-C-T1	12	300	450	1040	323.9	208	232	220	300	8	365	23.6	36.3
384A-300-C-T2	384B-300-C-T2	12	300	550	1040	323.9	208	232	250	400	8	415	30.5	50.1
384A-300-C-T3	384B-300-C-T3	12	300	600	1040	323.9	208	232	250	400	10	415	35.2	59.6
384A-300-C-T4	384B-300-C-T4	12	300	600	1040	323.9	204	228	250	400	8	415	28.6	48.4
384A-300-F-T0	384B-300-F-T0	12	300	400	3750	323.9	216	246	160	300	8	265	20.5	26.7
384A-300-F-T1	384B-300-F-T1	12	300	450	3750	323.9	216	246	220	300	8	365	27	39.6
384A-300-F-T2	384B-300-F-T2	12	300	550	3750	323.9	216	246	250	400	10	415	38.5	62.8
384A-300-F-T3	384B-300-F-T3	12	300	600	3750	323.9	216	246	250	400	12	415	43.1	72
384A-300-F-T4	384B-300-F-T4	12	300	600	3750	323.9	212	242	250	400	8	415	31.9	51.6
384A-350-D-T0	384B-350-D-T0	14	350	400	1630	355.6	228	258	170	350	8	280	22.4	29.7
384A-350-D-T1	384B-350-D-T1	14	350	450	1630	355.6	228	258	230	350	8	380	29.6	44
384A-350-D-T2	384B-350-D-T2	14	350	550	1630	355.6	228	258	260	450	8	430	36.8	58.6
384A-350-D-T3	384B-350-D-T3	14	350	600	1630	355.6	228	258	290	450	10	480	48.4	81.7
384A-350-D-T4	384B-350-D-T4	14	350	600	1630	355.6	224	254	290	450	8	480	39.5	66.4
384A-350-F-T0	384B-350-F-T0	14	350	400	3750	355.6	236	272	170	350	10	280	30.1	39
384A-350-F-T1	384B-350-F-T1	14	350	450	3750	355.6	236	272	230	350	10	380	38.9	56.7
384A-350-F-T2	384B-350-F-T2	14	350	550	3750	355.6	236	272	260	450	12	430	53	84.9
384A-350-F-T3	384B-350-F-T3	14	350	600	3750	355.6	236	272	290	450	15	480	70	119
384A-350-F-T4	384B-350-F-T4	14	350	600	3750	355.6	232	268	290	450	10	480	50.4	83.7
384A-400-E-T0	384B-400-E-T0	16	400	400	2360	406.4	254	284	185	350	8	305	24.4	32.3
384A-400-E-T1	384B-400-E-T1	16	400	450	2360	406.4	254	284	245	350	8	405	31.8	46.9
384A-400-E-T2	384B-400-E-T2	16	400	550	2360	406.4	254	284	275	450	10	455	44.6	72.7
384A-400-E-T3	384B-400-E-T3	16	400	600	2360	406.4	254	284	305	450	12	505	57.7	98.8
384A-400-E-T4	384B-400-E-T4	16	400	600	2360	406.4	249	279	305	450	8	505	41.6	69.5
384A-400-G-T0	384B-400-G-T0	16	400	400	5460	406.4	262	298	185	350	10	305	32.7	42.2
384A-400-G-T1	384B-400-G-T1	16	400	450	5460	406.4	262	298	245	350	10	405	41.7	60.3
384A-400-G-T2	384B-400-G-T2	16	400	550	5460	406.4	262	298	275	450	12	455	56.3	89.4
384A-400-G-T3	384B-400-G-T3	16	400	600	5460	406.4	262	298	305	450	15	505	73.7	124
384A-400-G-T4	384B-400-G-T4	16	400	600	5460	406.4	258	294	305	450	10	505	53.1	87.6
384A-450-E-T0	384B-450-E-T0	18	450	400	2360	457.2	280	310	215	400	8	355	29.2	40.1
384A-450-E-T1	384B-450-E-T1	18	450	450	2360	457.2	280	310	260	400	8	430	35.3	52.5
384A-450-E-T2	384B-450-E-T2	18	450	550	2360	457.2	280	310	290	450	10	480	47.2	76.2
384A-450-E-T3	384B-450-E-T3	18	450	600	2360	457.2	280	310	320	450	12	530	60.6	103
384A-450-E-T4	384B-450-E-T4	18	450	600	2360	457.2	276	306	320	450	8	530	43.8	72.6
384A-450-H-T0	384B-450-H-T0	18	450	400	7480	457.2	295	331	215	400	12	355	46.5	62.2
384A-450-H-T1	384B-450-H-T1	18	450	450	7480	457.2	295	331	260	400	10	430	51.6	72.5
384A-450-H-T2	384B-450-H-T2	18	450	550	7480	457.2	295	331	290	450	12	480	64.8	98.9
384A-450-H-T3	384B-450-H-T3	18	450	600	7480	457.2	295	331	320	450	20	530	98.6	166
384A-450-H-T4	384B-450-H-T4	18	450	600	7480	457.2	284	320	320	450	10	530	55.8	91.4
384A-500-F-T0	384B-500-F-T0	20	500	400	3750	508	311	341	230	400	12	380	41.8	58.6
384A-500-F-T1	384B-500-F-T1	20	500	450	3750	508	311	341	275	400	10	455	47	69
384A-500-F-T2	384B-500-F-T2	20	500	550	3750	508	311	341	335	450	12	555	68.6	112
384A-500-F-T3	384B-500-F-T3	20	500	600	3750	508	311	341	335	450	15	555	78.9	133



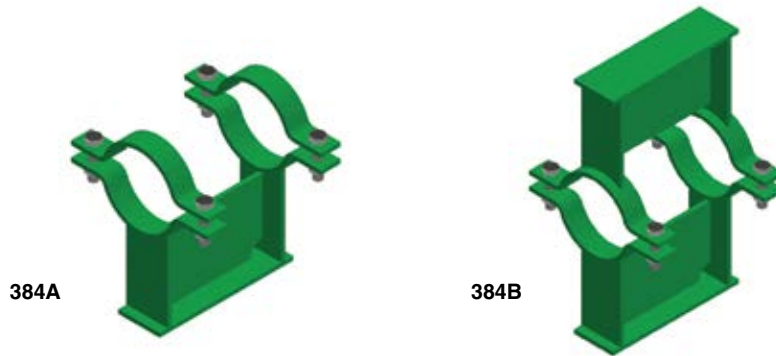
Materials:

Range T0 - Carbon Steel
Range T1 - Alloy Steel
Range T2 - Alloy Steel
Range T3 - Alloy Steel
Range T4 - 9% Cr Steel

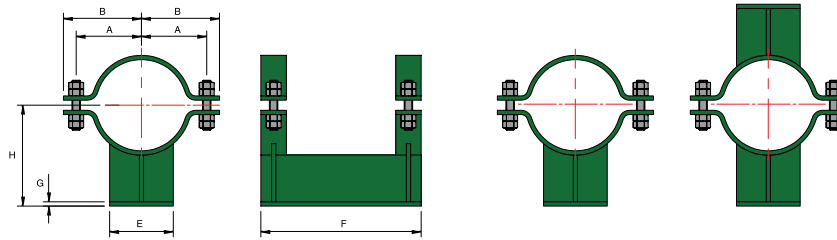
Note: Maximum vertical load for Fig. 384A is for downward acting loads. Maximum vertical load for Fig. 384B is for downward or upward acting loads. Maximum lateral and axial loads for Fig. 384A and Fig. 384B are 30% of the vertical load.

Part No. Fig. 384A	Part No. Fig. 384B	Nominal Pipe Size		Max. Temp. Deg. C	Max Vertical Load Fv kg	Pipe O/D mm	A mm	B mm	E mm	F mm	G mm	H mm	Weight Fig. 384A kg	Weight Fig. 384B kg
		in	mm											
384A-500-F-T4	384B-500-F-T4	20	500	600	3750	508	302	332	335	450	10	555	53.1	90
384A-500-I-T0	384B-500-I-T0	20	500	400	9820	508	322	358	230	400	15	380	53.6	73.8
384A-500-I-T1	384B-500-I-T1	20	500	450	9820	508	322	358	275	400	12	455	59.1	84.9
384A-500-I-T2	384B-500-I-T2	20	500	550	9820	508	322	358	335	450	15	555	86.8	140
384A-500-I-T3	384B-500-I-T3	20	500	600	9820	508	322	358	335	450	25	555	119	205
384A-500-I-T4	384B-500-I-T4	20	500	600	9820	508	311	347	335	450	12	555	65.5	109
384A-550-F-T0	384B-550-F-T0	22	550	400	3750	558.8	336	366	260	450	12	430	49.4	71.8
384A-550-F-T1	384B-550-F-T1	22	550	450	3750	558.8	336	366	290	450	10	480	51.6	76.3
384A-550-F-T2	384B-550-F-T2	22	550	550	3750	558.8	336	366	350	450	12	580	71.9	117
384A-550-F-T3	384B-550-F-T3	22	550	600	3750	558.8	336	366	350	450	15	580	82.6	138
384A-550-F-T4	384B-550-F-T4	22	550	600	3750	558.8	327	357	350	450	10	580	55.4	93.6
384A-550-J-T0	384B-550-J-T0	22	550	400	13560	558.8	353	398	260	450	15	430	75	102
384A-550-J-T1	384B-550-J-T1	22	550	450	13560	558.8	353	398	290	450	12	480	76.7	106
384A-550-J-T2	384B-550-J-T2	22	550	550	13560	558.8	353	398	350	450	20	580	120	192
384A-550-J-T3	384B-550-J-T3	22	550	600	13560	558.8	353	398	350	450	30	580	152	257
384A-550-J-T4	384B-550-J-T4	22	550	600	13560	558.8	342	387	350	450	12	580	79.2	124
384A-600-G-T0	384B-600-G-T0	24	600	400	5460	609.6	363	393	275	450	12	455	52.3	75.7
384A-600-G-T1	384B-600-G-T1	24	600	450	5460	609.6	363	393	305	450	10	505	54.5	80.1
384A-600-G-T2	384B-600-G-T2	24	600	550	5460	609.6	363	393	365	450	12	605	75.3	122
384A-600-G-T3	384B-600-G-T3	24	600	600	5460	609.6	363	393	365	450	15	605	86.3	144
384A-600-G-T4	384B-600-G-T4	24	600	600	5460	609.6	354	384	365	450	10	605	57.8	97.1
384A-600-J-T0	384B-600-J-T0	24	600	400	13560	609.6	379	424	275	450	15	455	79.2	108
384A-600-J-T1	384B-600-J-T1	24	600	450	13560	609.6	379	424	305	450	12	505	80.8	111
384A-600-J-T2	384B-600-J-T2	24	600	550	13560	609.6	379	424	365	450	15	605	108	165
384A-600-J-T3	384B-600-J-T3	24	600	600	13560	609.6	379	424	365	450	30	605	159	267
384A-600-J-T4	384B-600-J-T4	24	600	600	13560	609.6	368	413	365	450	12	605	82.5	129
384A-650-G-T0	384B-650-G-T0	26	650	400	5460	660.4	389	419	295	450	12	485	56.1	81.3
384A-650-G-T1	384B-650-G-T1	26	650	450	5460	660.4	389	419	325	450	10	535	58.2	85.4
384A-650-G-T2	384B-650-G-T2	26	650	550	5460	660.4	389	419	385	450	12	635	79.7	128
384A-650-G-T3	384B-650-G-T3	26	650	600	5460	660.4	389	419	385	450	15	635	91.3	152
384A-650-G-T4	384B-650-G-T4	26	650	600	5460	660.4	380	410	385	450	10	635	61.1	102
384A-650-J-T0	384B-650-J-T0	26	650	400	13560	660.4	406	451	295	450	15	485	84.5	115
384A-650-J-T1	384B-650-J-T1	26	650	450	13560	660.4	406	451	325	450	12	535	85.9	118
384A-650-J-T2	384B-650-J-T2	26	650	550	13560	660.4	406	451	385	450	15	635	114	174
384A-650-J-T3	384B-650-J-T3	26	650	600	13560	660.4	406	451	385	450	30	635	168	281
384A-650-J-T4	384B-650-J-T4	26	650	600	13560	660.4	395	440	385	450	12	635	87.1	136
384A-700-G-T0	384B-700-G-T0	28	700	400	5460	711.2	415	445	310	450	12	510	59.1	85.2
384A-700-G-T1	384B-700-G-T1	28	700	450	5460	711.2	415	445	340	450	10	560	61.1	89.3
384A-700-G-T2	384B-700-G-T2	28	700	550	5460	711.2	415	445	400	450	12	660	83.1	133
384A-700-G-T3	384B-700-G-T3	28	700	600	5460	711.2	415	445	400	450	15	660	95	157
384A-700-G-T4	384B-700-G-T4	28	700	600	5460	711.2	406	436	400	450	10	660	63.5	106
384A-700-J-T0	384B-700-J-T0	28	700	400	13560	711.2	432	477	310	450	15	510	88.7	121
384A-700-J-T1	384B-700-J-T1	28	700	450	13560	711.2	432	477	340	450	12	560	90.1	123
384A-700-J-T2	384B-700-J-T2	28	700	550	13560	711.2	432	477	400	450	15	660	119	180
384A-700-J-T3	384B-700-J-T3	28	700	600	13560	711.2	432	477	400	450	30	660	174	291
384A-700-J-T4	384B-700-J-T4	28	700	600	13560	711.2	421	466	400	450	12	660	90.5	141
384A-750-H-T0	384B-750-H-T0	30	750	400	7480	762	445	481	325	450	12	535	71.8	98.8
384A-750-H-T1	384B-750-H-T1	30	750	450	7480	762	445	481	355	450	10	585	73.8	103

CLAMP BASE 1/2 WAY - FIG 384A, 384B



Part No. Fig. 384A	Part No. Fig. 384B	Nominal Pipe Size		Max. Temp.	Max Vertical Load Fv	Pipe O/D	A	B	E	F	G	H	Weight Fig. 384A	Weight Fig. 384B
		in	mm	Deg. C	kg	mm	mm	mm	mm	mm	mm	mm	kg	kg
384A-750-H-T2	384B-750-H-T2	30	750	550	7480	762	445	481	415	450	12	685	96.2	148
384A-750-H-T3	384B-750-H-T3	30	750	600	7480	762	445	481	415	450	15	685	108	172
384A-750-H-T4	384B-750-H-T4	30	750	600	7480	762	441	477	415	450	10	685	81.2	125
384A-750-J-T0	384B-750-J-T0	30	750	400	13560	762	458	503	325	450	15	535	106	139
384A-750-J-T1	384B-750-J-T1	30	750	450	13560	762	458	503	355	450	12	585	107	142
384A-750-J-T2	384B-750-J-T2	30	750	550	13560	762	458	503	415	450	15	685	136	200
384A-750-J-T3	384B-750-J-T3	30	750	600	13560	762	458	503	415	450	30	685	193	314
384A-750-J-T4	384B-750-J-T4	30	750	600	13560	762	451	496	415	450	12	685	101	152
384A-800-H-T0	384B-800-H-T0	32	800	400	7480	812.8	471	507	340	450	12	560	75.2	103
384A-800-H-T1	384B-800-H-T1	32	800	450	7480	812.8	471	507	370	450	10	610	77.1	107
384A-800-H-T2	384B-800-H-T2	32	800	550	7480	812.8	471	507	430	450	12	710	100	153
384A-800-H-T3	384B-800-H-T3	32	800	600	7480	812.8	471	507	430	450	15	710	113	178
384A-800-H-T4	384B-800-H-T4	32	800	600	7480	812.8	467	503	430	450	12	710	93	146
384A-800-K-T0	384B-800-K-T0	32	800	400	17900	812.8	484	529	340	450	20	560	121	166
384A-800-K-T1	384B-800-K-T1	32	800	450	17900	812.8	484	529	370	450	15	610	121	164
384A-800-K-T2	384B-800-K-T2	32	800	550	17900	812.8	484	529	430	450	20	710	162	248
384A-800-K-T3	384B-800-K-T3	32	800	600	17900	812.8	484	529	430	450	35	710	219	361
384A-800-K-T4	384B-800-K-T4	32	800	600	17900	812.8	477	522	430	450	15	710	117	183
384A-850-H-T0	384B-850-H-T0	34	850	400	7480	863.6	497	533	355	450	12	585	78.6	108
384A-850-H-T1	384B-850-H-T1	34	850	450	7480	863.6	497	533	385	450	10	635	80.5	111
384A-850-H-T2	384B-850-H-T2	34	850	550	7480	863.6	497	533	445	500	12	735	107	165
384A-850-H-T3	384B-850-H-T3	34	850	600	7480	863.6	497	533	445	500	15	735	121	193
384A-850-H-T4	384B-850-H-T4	34	850	600	7480	863.6	492	528	445	500	12	735	99.8	158
384A-850-K-T0	384B-850-K-T0	34	850	400	17900	863.6	510	555	355	450	20	585	127	173
384A-850-K-T1	384B-850-K-T1	34	850	450	17900	863.6	510	555	385	450	15	635	126	171
384A-850-K-T2	384B-850-K-T2	34	850	550	17900	863.6	510	555	445	500	20	735	174	267
384A-850-K-T3	384B-850-K-T3	34	850	600	17900	863.6	510	555	445	500	35	735	236	392
384A-850-K-T4	384B-850-K-T4	34	850	600	17900	863.6	503	548	445	500	15	735	126	197
384A-900-I-T0	384B-900-I-T0	36	900	400	9820	914.4	523	559	370	450	15	610	89	126
384A-900-I-T1	384B-900-I-T1	36	900	450	9820	914.4	523	559	400	450	12	660	90	128
384A-900-I-T2	384B-900-I-T2	36	900	550	9820	914.4	523	559	460	500	15	760	125	199
384A-900-I-T3	384B-900-I-T3	36	900	600	9820	914.4	523	559	460	500	25	760	170	289
384A-900-I-T4	384B-900-I-T4	36	900	600	9820	914.4	518	554	460	500	12	760	103	163
384A-900-K-T0	384B-900-K-T0	36	900	400	17900	914.4	536	581	370	450	20	610	132	180
384A-900-K-T1	384B-900-K-T1	36	900	450	17900	914.4	536	581	400	450	15	660	131	177
384A-900-K-T2	384B-900-K-T2	36	900	550	17900	914.4	536	581	460	500	20	760	180	276
384A-900-K-T3	384B-900-K-T3	36	900	600	17900	914.4	536	581	460	500	35	760	244	404
384A-900-K-T4	384B-900-K-T4	36	900	600	17900	914.4	529	574	460	500	15	760	130	203
384A-950-I-T0	384B-950-I-T0	38	950	400	9820	965.2	548	584	385	450	15	635	92.7	131
384A-950-I-T1	384B-950-I-T1	38	950	450	9820	965.2	548	584	415	450	12	685	93.5	133
384A-950-I-T2	384B-950-I-T2	38	950	550	9820	965.2	548	584	475	500	15	785	130	205
384A-950-I-T3	384B-950-I-T3	38	950	600	9820	965.2	548	584	475	500	25	785	176	298
384A-950-I-T4	384B-950-I-T4	38	950	600	9820	965.2	544	580	475	500	12	785	107	168
384A-950-L-T0	384B-950-L-T0	38	950	400	22740	965.2	561	606	385	450	20	635	138	187
384A-950-L-T1	384B-950-L-T1	38	950	450	22740	965.2	561	606	415	450	15	685	136	184
384A-950-L-T2	384B-950-L-T2	38	950	550	22740	965.2	561	606	475	500	20	785	186	284
384A-950-L-T3	384B-950-L-T3	38	950	600	22740	965.2	561	606	475	500	40	785	273	457
384A-950-L-T4	384B-950-L-T4	38	950	600	22740	965.2	554	599	475	500	15	785	134	209



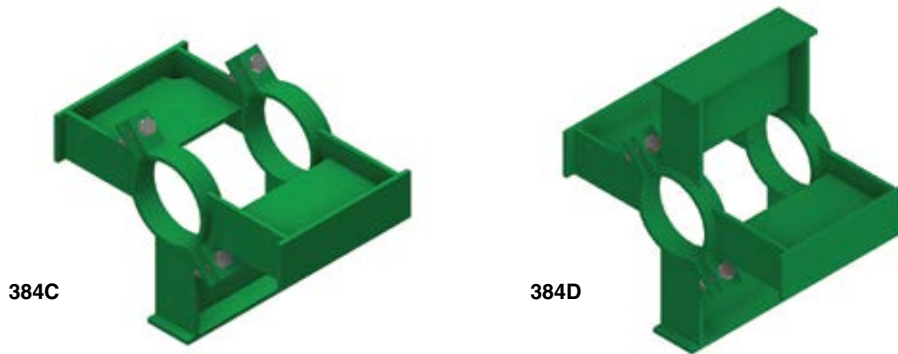
Materials:

Range T0 - Carbon Steel
Range T1 - Alloy Steel
Range T2 - Alloy Steel
Range T3 - Alloy Steel
Range T4 - 9% Cr Steel

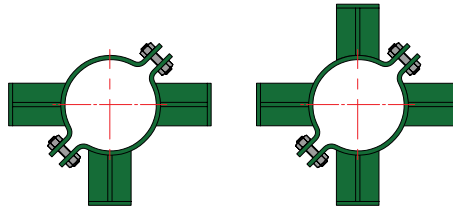
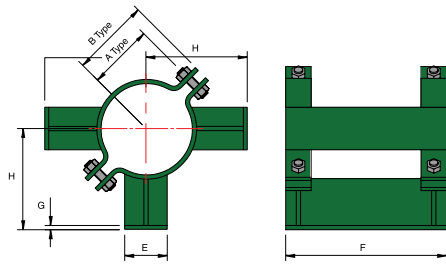
Note: Maximum vertical load for Fig. 384A is for downward acting loads. Maximum vertical load for Fig. 384B is for downward or upward acting loads. Maximum lateral and axial loads for Fig. 384A and Fig. 384B are 30% of the vertical load.

Part No. Fig. 384A	Part No. Fig. 384B	Nominal Pipe Size		Max. Temp.	Max Vertical Load Fv	Pipe O/D	A	B	E	F	G	H	Weight Fig. 384A	Weight Fig. 384B
		in	mm	Deg. C	kg	mm	mm	mm	mm	mm	mm	mm	kg	kg
384A-1000-J-T0	384B-1000-J-T0	40	1000	400	13560	1016	573	609	400	450	15	660	96.4	136
384A-1000-J-T1	384B-1000-J-T1	40	1000	450	13560	1016	573	609	430	450	12	710	97.1	138
384A-1000-J-T2	384B-1000-J-T2	40	1000	550	13560	1016	573	609	490	500	15	810	134	211
384A-1000-J-T3	384B-1000-J-T3	40	1000	600	13560	1016	573	609	490	500	25	810	182	306
384A-1000-J-T4	384B-1000-J-T4	40	1000	600	13560	1016	569	605	490	500	12	810	110	173
384A-1000-L-T0	384B-1000-L-T0	40	1000	400	22740	1016	586	631	400	450	20	660	143	194
384A-1000-L-T1	384B-1000-L-T1	40	1000	450	22740	1016	586	631	430	450	15	710	141	191
384A-1000-L-T2	384B-1000-L-T2	40	1000	550	22740	1016	586	631	490	500	20	810	193	293
384A-1000-L-T3	384B-1000-L-T3	40	1000	600	22740	1016	586	631	490	500	40	810	281	470
384A-1000-L-T4	384B-1000-L-T4	40	1000	600	22740	1016	580	625	490	500	15	810	139	216

CLAMP BASE 3/4 WAY - FIG 384C, 384D



Part No. Fig. 384C	Part No. Fig. 384D	Nominal Pipe Size		Max. Temp. Deg. C	Max Vertical Load Fv kg	Pipe O/D mm	A mm	B mm	E mm	F mm	G mm	H mm	Weight Fig. 384C kg	Weight Fig. 384D kg
		in	mm											
384C-15-OO-T0	384D-15-OO-T0	1/2	15	400	100	21.3	32	51	40	120	6	65	2	2.4
384C-15-OO-T1	384D-15-OO-T1	1/2	15	450	100	21.3	40	51	50	180	6	115	4.5	5.7
384C-15-OO-T2	384D-15-OO-T2	1/2	15	550	100	21.3	40	51	50	200	6	115	4.9	6.2
384C-15-OO-T3	384D-15-OO-T3	1/2	15	600	100	21.3	40	51	70	200	10	165	10.6	13.9
384C-15-OO-T4	384D-15-OO-T4	1/2	15	600	100	21.3	40	51	70	200	6	165	6.8	8.8
384C-20-OO-T0	384D-20-OO-T0	3/4	20	400	100	26.9	32	51	40	120	6	65	1.9	2.4
384C-20-OO-T1	384D-20-OO-T1	3/4	20	450	100	26.9	40	51	50	180	6	115	4.4	5.6
384C-20-OO-T2	384D-20-OO-T2	3/4	20	550	100	26.9	40	51	50	200	6	115	4.8	6.1
384C-20-OO-T3	384D-20-OO-T3	3/4	20	600	100	26.9	40	51	70	200	10	165	10.5	13.8
384C-20-OO-T4	384D-20-OO-T4	3/4	20	600	100	26.9	40	51	70	200	6	165	6.8	8.8
384C-25-OO-T0	384D-25-OO-T0	1	25	400	100	33.4	38	57	40	120	6	70	2	2.4
384C-25-OO-T1	384D-25-OO-T1	1	25	450	100	33.4	40	60	50	180	6	120	4.6	5.7
384C-25-OO-T2	384D-25-OO-T2	1	25	550	100	33.4	40	60	50	200	6	120	5	6.3
384C-25-OO-T3	384D-25-OO-T3	1	25	600	100	33.4	40	60	70	200	10	170	10.7	13.9
384C-25-OO-T4	384D-25-OO-T4	1	25	600	100	33.4	40	60	70	200	6	170	6.9	8.9
384C-32-OO-T0	384D-32-OO-T0	1 1/4	32	400	100	42.4	44	63	40	120	6	75	2	2.5
384C-32-OO-T1	384D-32-OO-T1	1 1/4	32	450	100	42.4	46	65	50	180	6	125	4.7	5.9
384C-32-OO-T2	384D-32-OO-T2	1 1/4	32	550	100	42.4	46	65	50	200	6	125	5.1	6.4
384C-32-OO-T3	384D-32-OO-T3	1 1/4	32	600	100	42.4	46	65	70	200	10	175	10.8	14.1
384C-32-OO-T4	384D-32-OO-T4	1 1/4	32	600	100	42.4	46	65	70	200	6	175	7	9
384C-40-OO-T0	384D-40-OO-T0	1 1/2	40	400	100	48.3	51	70	40	120	6	75	2.5	2.9
384C-40-OO-T1	384D-40-OO-T1	1 1/2	40	450	100	48.3	51	70	50	180	6	125	4.7	5.8
384C-40-OO-T2	384D-40-OO-T2	1 1/2	40	550	100	48.3	51	70	70	200	6	175	7	9
384C-40-OO-T3	384D-40-OO-T3	1 1/2	40	600	100	48.3	51	70	70	200	10	175	10.8	14
384C-40-OO-T4	384D-40-OO-T4	1 1/2	40	600	100	48.3	51	70	70	200	6	175	7	9
384C-50-OO-T0	384D-50-OO-T0	2	50	400	100	60.3	57	76	40	180	6	85	3.5	4.2
384C-50-OO-T1	384D-50-OO-T1	2	50	450	100	60.3	57	76	50	250	6	135	6.5	8.1
384C-50-OO-T2	384D-50-OO-T2	2	50	550	100	60.3	57	76	70	250	6	185	8.9	11.4
384C-50-OO-T3	384D-50-OO-T3	2	50	600	100	60.3	57	76	70	250	10	185	13.7	17.8
384C-50-OO-T4	384D-50-OO-T4	2	50	600	100	60.3	57	76	70	250	6	185	8.9	11.4
384C-65-O-T0	384D-65-O-T0	2 1/2	65	400	230	73	70	89	40	180	6	90	3.6	4.3
384C-65-O-T1	384D-65-O-T1	2 1/2	65	450	230	73	70	89	60	250	6	140	6.9	8.6
384C-65-O-T2	384D-65-O-T2	2 1/2	65	550	230	73	70	89	80	250	10	190	14.2	18.4
384C-65-O-T3	384D-65-O-T3	2 1/2	65	600	230	73	70	89	80	250	12	190	16.6	21.6
384C-65-O-T4	384D-65-O-T4	2 1/2	65	600	230	73	70	89	80	250	8	190	11.8	15.2
384C-80-O-T0	384D-80-O-T0	3	80	400	230	88.9	76	96	40	180	6	95	3.7	4.4
384C-80-O-T1	384D-80-O-T1	3	80	450	230	88.9	76	96	60	250	6	145	6.9	8.7
384C-80-O-T2	384D-80-O-T2	3	80	550	230	88.9	76	96	100	300	10	245	21.8	28.4
384C-80-O-T3	384D-80-O-T3	3	80	600	230	88.9	76	96	100	300	15	245	31.2	41
384C-80-O-T4	384D-80-O-T4	3	80	600	230	88.9	76	96	100	300	8	245	17.9	23.2
384C-100-A-T0	384D-100-A-T0	4	100	400	380	114.3	95	113	60	180	6	160	7.7	9.4
384C-100-A-T1	384D-100-A-T1	4	100	450	380	114.3	95	113	80	250	6	210	13.3	16.9
384C-100-A-T2	384D-100-A-T2	4	100	550	380	114.3	95	113	80	300	6	260	18	23.1
384C-100-A-T3	384D-100-A-T3	4	100	600	380	114.3	95	113	80	300	6	260	18	23.1
384C-100-A-T4	384D-100-A-T4	4	100	600	380	114.3	95	113	80	300	6	260	18	23.1
384C-125-B-T0	384D-125-B-T0	5	125	400	560	141.3	114	132	70	180	6	175	8.7	10.6
384C-125-B-T1	384D-125-B-T1	5	125	450	560	141.3	114	132	90	250	6	225	14.5	18.4
384C-125-B-T2	384D-125-B-T2	5	125	550	560	141.3	114	132	100	300	6	275	20.5	26.4



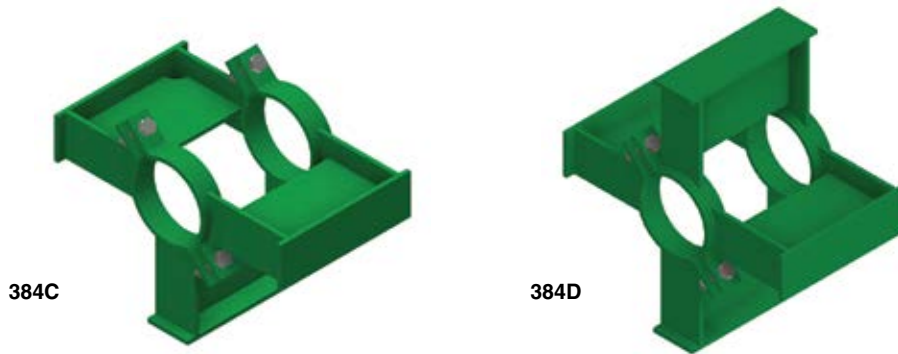
Materials:

Range T0 - Carbon Steel
Range T1 - Alloy Steel
Range T2 - Alloy Steel
Range T3 - Alloy Steel
Range T4 - 9% Cr Steel

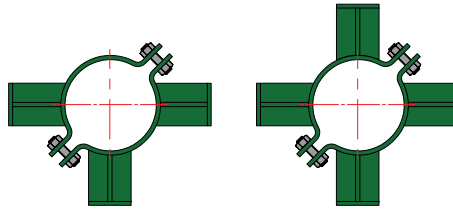
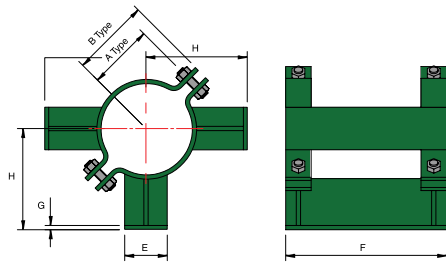
Note: Maximum vertical load for Fig. 384C is for downward acting loads. Maximum vertical load for Fig. 384D is for downward or upward acting loads. Maximum lateral and axial loads for Fig. 384C and Fig. 384D are 30% of the vertical load.

Part No. Fig. 384C	Part No. Fig. 384D	Nominal Pipe Size		Max. Temp. Deg. C	Max Vertical Load Fv kg	Pipe O/D mm	A mm	B mm	E mm	F mm	G mm	H mm	Weight Fig. 384C kg	Weight Fig. 384D kg
		in	mm											
384C-125-B-T3	384D-125-B-T3	5	125	600	560	141.3	114	132	100	300	6	275	20.5	26.4
384C-125-B-T4	384D-125-B-T4	5	125	600	560	141.3	114	132	100	300	6	275	20.5	26.4
384C-150-A-T0	384D-150-A-T0	6	150	400	380	168.3	118	136	70	250	6	185	11	13.3
384C-150-A-T1	384D-150-A-T1	6	150	450	380	168.3	118	136	90	300	6	235	16.8	21
384C-150-A-T2	384D-150-A-T2	6	150	550	380	168.3	118	136	100	350	6	285	23.1	29.4
384C-150-A-T3	384D-150-A-T3	6	150	600	380	168.3	118	136	100	350	6	285	23.1	29.4
384C-150-A-T4	384D-150-A-T4	6	150	600	380	168.3	114	132	100	350	6	285	22.3	28.8
384C-150-C-T0	384D-150-C-T0	6	150	400	1040	168.3	126	150	70	250	6	185	12.7	15
384C-150-C-T1	384D-150-C-T1	6	150	450	1040	168.3	126	150	90	300	6	235	18.5	22.7
384C-150-C-T2	384D-150-C-T2	6	150	550	1040	168.3	126	150	100	350	6	285	24.8	31.1
384C-150-C-T3	384D-150-C-T3	6	150	600	1040	168.3	126	150	100	350	6	285	24.8	31.1
384C-150-C-T4	384D-150-C-T4	6	150	600	1040	168.3	126	150	100	350	6	285	24.8	31.1
384C-175-A-T0	384D-175-A-T0	7	175	400	380	193.7	132	150	80	300	6	200	13.3	16.3
384C-175-A-T1	384D-175-A-T1	7	175	450	380	193.7	132	150	100	300	6	250	18.1	22.7
384C-175-A-T2	384D-175-A-T2	7	175	550	380	193.7	132	150	120	350	6	300	25.8	32.9
384C-175-A-T3	384D-175-A-T3	7	175	600	380	193.7	132	150	120	350	6	350	29.8	38.3
384C-175-A-T4	384D-175-A-T4	7	175	600	380	193.7	128	146	120	350	6	350	29	37.6
384C-175-C-T0	384D-175-C-T0	7	175	400	1040	193.7	139	163	80	300	6	200	15.1	18
384C-175-C-T1	384D-175-C-T1	7	175	450	1040	193.7	139	163	100	300	6	250	19.9	24.5
384C-175-C-T2	384D-175-C-T2	7	175	550	1040	193.7	139	163	120	350	6	300	27.5	34.6
384C-175-C-T3	384D-175-C-T3	7	175	600	1040	193.7	139	163	120	350	6	350	31.6	40
384C-175-C-T4	384D-175-C-T4	7	175	600	1040	193.7	139	163	120	350	6	350	31.6	40
384C-200-B-T0	384D-200-B-T0	8	200	400	560	219.1	145	163	80	300	6	210	13.5	16.4
384C-200-B-T1	384D-200-B-T1	8	200	450	560	219.1	145	163	100	300	6	260	18.3	22.9
384C-200-B-T2	384D-200-B-T2	8	200	550	560	219.1	145	163	140	350	6	360	32.4	41.6
384C-200-B-T3	384D-200-B-T3	8	200	600	560	219.1	145	163	140	350	6	360	32.4	41.6
384C-200-B-T4	384D-200-B-T4	8	200	600	560	219.1	141	159	140	350	6	360	31.5	40.7
384C-200-D-T0	384D-200-D-T0	8	200	400	1630	219.1	153	177	80	300	6	210	15.4	18.3
384C-200-D-T1	384D-200-D-T1	8	200	450	1630	219.1	153	177	100	300	6	260	20.2	24.7
384C-200-D-T2	384D-200-D-T2	8	200	550	1630	219.1	153	177	140	350	6	360	34.3	43.4
384C-200-D-T3	384D-200-D-T3	8	200	600	1630	219.1	153	177	140	350	8	360	43	55.1
384C-200-D-T4	384D-200-D-T4	8	200	600	1630	219.1	153	177	140	350	6	360	34.3	43.4
384C-225-B-T0	384D-225-B-T0	9	225	400	560	244.5	158	176	90	300	6	225	14.8	18
384C-225-B-T1	384D-225-B-T1	9	225	450	560	244.5	158	176	110	300	6	275	19.8	24.6
384C-225-B-T2	384D-225-B-T2	9	225	550	560	244.5	158	176	150	350	6	375	34.2	43.9
384C-225-B-T3	384D-225-B-T3	9	225	600	560	244.5	158	176	150	350	6	375	34.2	43.9
384C-225-B-T4	384D-225-B-T4	9	225	600	560	244.5	154	172	150	350	6	375	33.2	43
384C-225-D-T0	384D-225-D-T0	9	225	400	1630	244.5	166	190	90	300	6	225	16.8	20
384C-225-D-T1	384D-225-D-T1	9	225	450	1630	244.5	166	190	110	300	6	275	21.8	26.6
384C-225-D-T2	384D-225-D-T2	9	225	550	1630	244.5	166	190	150	350	6	375	36.2	45.8
384C-225-D-T3	384D-225-D-T3	9	225	600	1630	244.5	166	190	150	350	8	375	45.4	58.1
384C-225-D-T4	384D-225-D-T4	9	225	600	1630	244.5	166	190	150	350	6	375	36.2	45.8
384C-250-C-T0	384D-250-C-T0	10	250	400	1040	273	181	205	100	300	6	240	19.7	23.1
384C-250-C-T1	384D-250-C-T1	10	250	450	1040	273	181	205	120	300	6	290	24.8	29.9
384C-250-C-T2	384D-250-C-T2	10	250	550	1040	273	181	205	160	400	6	390	42.4	53.4
384C-250-C-T3	384D-250-C-T3	10	250	600	1040	273	181	205	160	400	6	390	42.4	53.4
384C-250-C-T4	384D-250-C-T4	10	250	600	1040	273	177	201	160	400	6	390	40.9	51.9
384C-250-E-T0	384D-250-E-T0	10	250	400	2360	273	189	219	100	300	8	240	25.9	30.3

CLAMP BASE 3/4 WAY - FIG 384C, 384D



Part No. Fig. 384C	Part No. Fig. 384D	Nominal Pipe Size		Max. Temp. Deg. C	Max Vertical Load Fv kg	Pipe O/D mm	A mm	B mm	E mm	F mm	G mm	H mm	Weight Fig. 384C kg	Weight Fig. 384D kg
		in	mm											
384C-250-E-T1	384D-250-E-T1	10	250	450	2360	273	189	219	120	300	8	290	32.6	39.3
384C-250-E-T2	384D-250-E-T2	10	250	550	2360	273	189	219	160	400	8	390	55.9	70.3
384C-250-E-T3	384D-250-E-T3	10	250	600	2360	273	189	219	160	400	10	390	66.1	83.9
384C-250-E-T4	384D-250-E-T4	10	250	600	2360	273	185	215	160	400	8	390	54.3	68.8
384C-300-C-T0	384D-300-C-T0	12	300	400	1040	323.9	208	232	110	300	8	265	24.9	29.6
384C-300-C-T1	384D-300-C-T1	12	300	450	1040	323.9	208	232	150	300	8	365	39.6	49.2
384C-300-C-T2	384D-300-C-T2	12	300	550	1040	323.9	208	232	170	400	8	415	55.7	70.7
384C-300-C-T3	384D-300-C-T3	12	300	600	1040	323.9	208	232	170	400	10	415	66.4	84.9
384C-300-C-T4	384D-300-C-T4	12	300	600	1040	323.9	204	228	170	400	8	415	54	69.1
384C-300-F-T0	384D-300-F-T0	12	300	400	3750	323.9	216	246	110	300	8	265	28.2	32.9
384C-300-F-T1	384D-300-F-T1	12	300	450	3750	323.9	216	246	150	300	8	365	42.9	52.4
384C-300-F-T2	384D-300-F-T2	12	300	550	3750	323.9	216	246	170	400	10	415	69.5	88
384C-300-F-T3	384D-300-F-T3	12	300	600	3750	323.9	216	246	170	400	12	415	79.9	102
384C-300-F-T4	384D-300-F-T4	12	300	600	3750	323.9	212	242	170	400	8	415	57.1	72.1
384C-350-D-T0	384D-350-D-T0	14	350	400	1630	355.6	228	258	110	350	8	280	31	36.2
384C-350-D-T1	384D-350-D-T1	14	350	450	1630	355.6	228	258	150	350	8	380	46.9	57.5
384C-350-D-T2	384D-350-D-T2	14	350	550	1630	355.6	228	258	170	450	8	430	63.6	79.8
384C-350-D-T3	384D-350-D-T3	14	350	600	1630	355.6	228	258	190	450	10	480	89.2	114
384C-350-D-T4	384D-350-D-T4	14	350	600	1630	355.6	224	254	190	450	8	480	72.6	92.6
384C-350-F-T0	384D-350-F-T0	14	350	400	3750	355.6	236	272	110	350	10	280	40.4	46.8
384C-350-F-T1	384D-350-F-T1	14	350	450	3750	355.6	236	272	150	350	10	380	60.2	73.2
384C-350-F-T2	384D-350-F-T2	14	350	550	3750	355.6	236	272	170	450	12	430	92.1	116
384C-350-F-T3	384D-350-F-T3	14	350	600	3750	355.6	236	272	190	450	15	480	129	165
384C-350-F-T4	384D-350-F-T4	14	350	600	3750	355.6	232	268	190	450	10	480	91.2	116
384C-400-E-T0	384D-400-E-T0	16	400	400	2360	406.4	254	284	120	350	8	305	33.4	39
384C-400-E-T1	384D-400-E-T1	16	400	450	2360	406.4	254	284	160	350	8	405	49.8	60.8
384C-400-E-T2	384D-400-E-T2	16	400	550	2360	406.4	254	284	180	450	10	455	78.9	99.6
384C-400-E-T3	384D-400-E-T3	16	400	600	2360	406.4	254	284	200	450	12	505	108	138
384C-400-E-T4	384D-400-E-T4	16	400	600	2360	406.4	249	279	200	450	8	505	75.7	96.4
384C-400-G-T0	384D-400-G-T0	16	400	400	5460	406.4	262	298	120	350	10	305	43.5	50.3
384C-400-G-T1	384D-400-G-T1	16	400	450	5460	406.4	262	298	160	350	10	405	63.8	77.4
384C-400-G-T2	384D-400-G-T2	16	400	550	5460	406.4	262	298	180	450	12	455	96.7	121
384C-400-G-T3	384D-400-G-T3	16	400	600	5460	406.4	262	298	200	450	15	505	135	172
384C-400-G-T4	384D-400-G-T4	16	400	600	5460	406.4	258	294	200	450	10	505	95.1	121
384C-450-E-T0	384D-450-E-T0	18	450	400	2360	457.2	280	310	140	400	8	355	42	50
384C-450-E-T1	384D-450-E-T1	18	450	450	2360	457.2	280	310	170	400	8	430	55.9	68.4
384C-450-E-T2	384D-450-E-T2	18	450	550	2360	457.2	280	310	190	450	10	480	82.4	104
384C-450-E-T3	384D-450-E-T3	18	450	600	2360	457.2	280	310	210	450	12	530	112	143
384C-450-E-T4	384D-450-E-T4	18	450	600	2360	457.2	276	306	210	450	8	530	78.7	100
384C-450-H-T0	384D-450-H-T0	18	450	400	7480	457.2	295	331	140	400	12	355	64.6	75.9
384C-450-H-T1	384D-450-H-T1	18	450	450	7480	457.2	295	331	170	400	10	430	76.5	91.7
384C-450-H-T2	384D-450-H-T2	18	450	550	7480	457.2	295	331	190	450	12	480	106	131
384C-450-H-T3	384D-450-H-T3	18	450	600	7480	457.2	295	331	210	450	20	530	180	229
384C-450-H-T4	384D-450-H-T4	18	450	600	7480	457.2	284	320	210	450	10	530	98.8	125
384C-500-F-T0	384D-500-F-T0	20	500	400	3750	508	311	341	150	400	12	380	61.1	73
384C-500-F-T1	384D-500-F-T1	20	500	450	3750	508	311	341	180	400	10	455	73	88.9
384C-500-F-T2	384D-500-F-T2	20	500	550	3750	508	311	341	220	450	12	555	121	153
384C-500-F-T3	384D-500-F-T3	20	500	600	3750	508	311	341	220	450	15	555	143	183



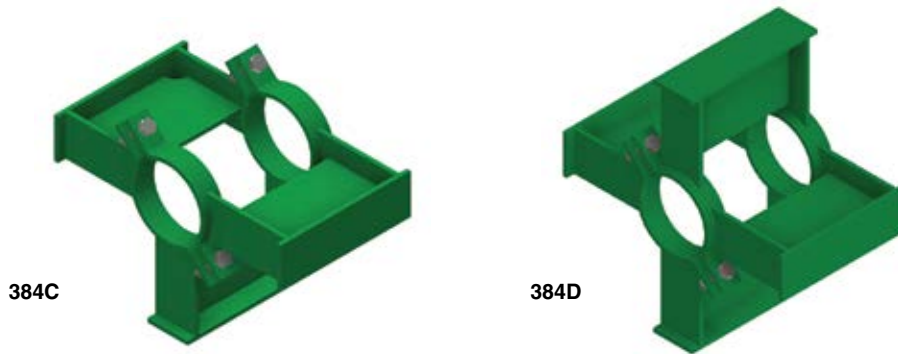
Materials:

Range T0 - Carbon Steel
Range T1 - Alloy Steel
Range T2 - Alloy Steel
Range T3 - Alloy Steel
Range T4 - 9% Cr Steel

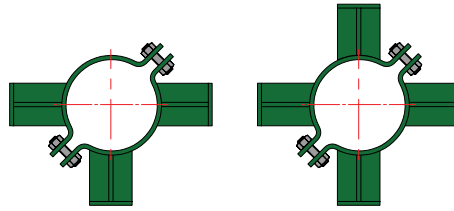
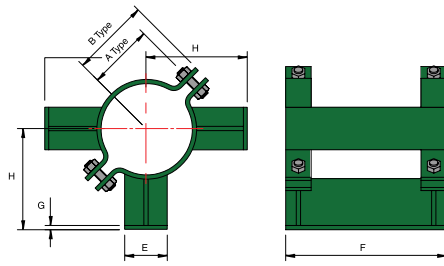
Note: Maximum vertical load for Fig. 384C is for downward acting loads. Maximum vertical load for Fig. 384D is for downward or upward acting loads. Maximum lateral and axial loads for Fig. 384C and Fig. 384D are 30% of the vertical load.

Part No. Fig. 384C	Part No. Fig. 384D	Nominal Pipe Size		Max. Temp.	Max Vertical Load Fv	Pipe O/D	A	B	E	F	G	H	Weight Fig. 384C	Weight Fig. 384D
		in	mm	Deg. C	kg	mm	mm	mm	mm	mm	mm	mm	kg	kg
384C-500-F-T4	384D-500-F-T4	20	500	600	3750	508	302	332	220	450	10	555	97.4	125
384C-500-I-T0	384D-500-I-T0	20	500	400	9820	508	322	358	150	400	15	380	76.6	91.1
384C-500-I-T1	384D-500-I-T1	20	500	450	9820	508	322	358	180	400	12	455	89.5	108
384C-500-I-T2	384D-500-I-T2	20	500	550	9820	508	322	358	220	450	15	555	151	190
384C-500-I-T3	384D-500-I-T3	20	500	600	9820	508	322	358	220	450	25	555	221	283
384C-500-I-T4	384D-500-I-T4	20	500	600	9820	508	311	347	220	450	12	555	118	150
384C-550-F-T0	384D-550-F-T0	22	550	400	3750	558.8	336	366	170	450	12	430	75.6	91.8
384C-550-F-T1	384D-550-F-T1	22	550	450	3750	558.8	336	366	190	450	10	480	80.9	98.9
384C-550-F-T2	384D-550-F-T2	22	550	550	3750	558.8	336	366	230	450	12	580	126	158
384C-550-F-T3	384D-550-F-T3	22	550	600	3750	558.8	336	366	230	450	15	580	149	189
384C-550-F-T4	384D-550-F-T4	22	550	600	3750	558.8	327	357	230	450	10	580	101	129
384C-550-J-T0	384D-550-J-T0	22	550	400	13560	558.8	353	398	170	450	15	430	107	126
384C-550-J-T1	384D-550-J-T1	22	550	450	13560	558.8	353	398	190	450	12	480	111	132
384C-550-J-T2	384D-550-J-T2	22	550	550	13560	558.8	353	398	230	450	20	580	205	258
384C-550-J-T3	384D-550-J-T3	22	550	600	13560	558.8	353	398	230	450	30	580	275	350
384C-550-J-T4	384D-550-J-T4	22	550	600	13560	558.8	342	387	230	450	12	580	133	166
384C-600-G-T0	384D-600-G-T0	24	600	400	5460	609.6	363	393	180	450	12	455	79.4	96.2
384C-600-G-T1	384D-600-G-T1	24	600	450	5460	609.6	363	393	200	450	10	505	84.6	103
384C-600-G-T2	384D-600-G-T2	24	600	550	5460	609.6	363	393	240	450	12	605	130	164
384C-600-G-T3	384D-600-G-T3	24	600	600	5460	609.6	363	393	240	450	15	605	154	196
384C-600-G-T4	384D-600-G-T4	24	600	600	5460	609.6	354	384	240	450	10	605	104	133
384C-600-J-T0	384D-600-J-T0	24	600	400	13560	609.6	379	424	180	450	15	455	112	132
384C-600-J-T1	384D-600-J-T1	24	600	450	13560	609.6	379	424	200	450	12	505	116	138
384C-600-J-T2	384D-600-J-T2	24	600	550	13560	609.6	379	424	240	450	15	605	175	216
384C-600-J-T3	384D-600-J-T3	24	600	600	13560	609.6	379	424	240	450	30	605	284	362
384C-600-J-T4	384D-600-J-T4	24	600	600	13560	609.6	368	413	240	450	12	605	138	172
384C-650-G-T0	384D-650-G-T0	26	650	400	5460	660.4	389	419	190	450	12	485	84.3	102
384C-650-G-T1	384D-650-G-T1	26	650	450	5460	660.4	389	419	210	450	10	535	89.3	109
384C-650-G-T2	384D-650-G-T2	26	650	550	5460	660.4	389	419	250	450	12	635	136	171
384C-650-G-T3	384D-650-G-T3	26	650	600	5460	660.4	389	419	250	450	15	635	161	204
384C-650-G-T4	384D-650-G-T4	26	650	600	5460	660.4	380	410	250	450	10	635	109	139
384C-650-J-T0	384D-650-J-T0	26	650	400	13560	660.4	406	451	190	450	15	485	119	140
384C-650-J-T1	384D-650-J-T1	26	650	450	13560	660.4	406	451	210	450	12	535	123	145
384C-650-J-T2	384D-650-J-T2	26	650	550	13560	660.4	406	451	250	450	15	635	183	226
384C-650-J-T3	384D-650-J-T3	26	650	600	13560	660.4	406	451	250	450	30	635	296	377
384C-650-J-T4	384D-650-J-T4	26	650	600	13560	660.4	395	440	250	450	12	635	144	179
384C-700-G-T0	384D-700-G-T0	28	700	400	5460	711.2	415	445	200	450	12	510	88.2	107
384C-700-G-T1	384D-700-G-T1	28	700	450	5460	711.2	415	445	220	450	10	560	93.2	113
384C-700-G-T2	384D-700-G-T2	28	700	550	5460	711.2	415	445	260	450	12	660	141	177
384C-700-G-T3	384D-700-G-T3	28	700	600	5460	711.2	415	445	260	450	15	660	166	211
384C-700-G-T4	384D-700-G-T4	28	700	600	5460	711.2	406	436	260	450	10	660	112	143
384C-700-J-T0	384D-700-J-T0	28	700	400	13560	711.2	432	477	200	450	15	510	124	146
384C-700-J-T1	384D-700-J-T1	28	700	450	13560	711.2	432	477	220	450	12	560	128	151
384C-700-J-T2	384D-700-J-T2	28	700	550	13560	711.2	432	477	260	450	15	660	189	233
384C-700-J-T3	384D-700-J-T3	28	700	600	13560	711.2	432	477	260	450	30	660	306	389
384C-700-J-T4	384D-700-J-T4	28	700	600	13560	711.2	421	466	260	450	12	660	148	185
384C-750-H-T0	384D-750-H-T0	30	750	400	7480	762	445	481	210	450	12	535	102	121
384C-750-H-T1	384D-750-H-T1	30	750	450	7480	762	445	481	230	450	10	585	107	127

CLAMP BASE 3/4 WAY - FIG 384C, 384D



Part No. Fig. 384C	Part No. Fig. 384D	Nominal Pipe Size		Max. Temp.	Max Vertical Load Fv	Pipe O/D	A	B	E	F	G	H	Weight Fig. 384C	Weight Fig. 384D
		in	mm	Deg. C	kg	mm	mm	mm	mm	mm	mm	mm	kg	kg
384C-750-H-T2	384D-750-H-T2	30	750	550	7480	762	445	481	270	450	12	685	155	192
384C-750-H-T3	384D-750-H-T3	30	750	600	7480	762	445	481	270	450	15	685	181	227
384C-750-H-T4	384D-750-H-T4	30	750	600	7480	762	441	477	270	450	10	685	131	162
384C-750-J-T0	384D-750-J-T0	30	750	400	13560	762	458	503	210	450	15	535	142	165
384C-750-J-T1	384D-750-J-T1	30	750	450	13560	762	458	503	230	450	12	585	146	170
384C-750-J-T2	384D-750-J-T2	30	750	550	13560	762	458	503	270	450	15	685	208	254
384C-750-J-T3	384D-750-J-T3	30	750	600	13560	762	458	503	270	450	30	685	328	413
384C-750-J-T4	384D-750-J-T4	30	750	600	13560	762	451	496	270	450	12	685	160	196
384C-800-H-T0	384D-800-H-T0	32	800	400	7480	812.8	471	507	220	450	12	560	106	126
384C-800-H-T1	384D-800-H-T1	32	800	450	7480	812.8	471	507	240	450	10	610	111	132
384C-800-H-T2	384D-800-H-T2	32	800	550	7480	812.8	471	507	280	450	12	710	160	198
384C-800-H-T3	384D-800-H-T3	32	800	600	7480	812.8	471	507	280	450	15	710	187	234
384C-800-H-T4	384D-800-H-T4	32	800	600	7480	812.8	467	503	280	450	12	710	154	191
384C-800-K-T0	384D-800-K-T0	32	800	400	17900	812.8	484	529	220	450	20	560	170	201
384C-800-K-T1	384D-800-K-T1	32	800	450	17900	812.8	484	529	240	450	15	610	169	200
384C-800-K-T2	384D-800-K-T2	32	800	550	17900	812.8	484	529	280	450	20	710	258	319
384C-800-K-T3	384D-800-K-T3	32	800	600	17900	812.8	484	529	280	450	35	710	376	476
384C-800-K-T4	384D-800-K-T4	32	800	600	17900	812.8	477	522	280	450	15	710	191	238
384C-850-H-T0	384D-850-H-T0	34	850	400	7480	863.6	497	533	230	450	12	585	110	131
384C-850-H-T1	384D-850-H-T1	34	850	450	7480	863.6	497	533	250	450	10	635	115	137
384C-850-H-T2	384D-850-H-T2	34	850	550	7480	863.6	497	533	290	500	12	735	173	215
384C-850-H-T3	384D-850-H-T3	34	850	600	7480	863.6	497	533	290	500	15	735	203	254
384C-850-H-T4	384D-850-H-T4	34	850	600	7480	863.6	492	528	290	500	12	735	166	208
384C-850-K-T0	384D-850-K-T0	34	850	400	17900	863.6	510	555	230	450	20	585	177	208
384C-850-K-T1	384D-850-K-T1	34	850	450	17900	863.6	510	555	250	450	15	635	176	208
384C-850-K-T2	384D-850-K-T2	34	850	550	17900	863.6	510	555	290	500	20	735	280	346
384C-850-K-T3	384D-850-K-T3	34	850	600	17900	863.6	510	555	290	500	35	735	410	520
384C-850-K-T4	384D-850-K-T4	34	850	600	17900	863.6	503	548	290	500	15	735	207	258
384C-900-I-T0	384D-900-I-T0	36	900	400	9820	914.4	523	559	240	450	15	610	129	155
384C-900-I-T1	384D-900-I-T1	36	900	450	9820	914.4	523	559	260	450	12	660	132	159
384C-900-I-T2	384D-900-I-T2	36	900	550	9820	914.4	523	559	300	500	15	760	209	261
384C-900-I-T3	384D-900-I-T3	36	900	600	9820	914.4	523	559	300	500	25	760	304	388
384C-900-I-T4	384D-900-I-T4	36	900	600	9820	914.4	518	554	300	500	12	760	171	214
384C-900-K-T0	384D-900-K-T0	36	900	400	17900	914.4	536	581	240	450	20	610	183	216
384C-900-K-T1	384D-900-K-T1	36	900	450	17900	914.4	536	581	260	450	15	660	182	215
384C-900-K-T2	384D-900-K-T2	36	900	550	17900	914.4	536	581	300	500	20	760	288	356
384C-900-K-T3	384D-900-K-T3	36	900	600	17900	914.4	536	581	300	500	35	760	422	534
384C-900-K-T4	384D-900-K-T4	36	900	600	17900	914.4	529	574	300	500	15	760	213	265
384C-950-I-T0	384D-950-I-T0	38	950	400	9820	965.2	548	584	250	450	15	635	134	161
384C-950-I-T1	384D-950-I-T1	38	950	450	9820	965.2	548	584	270	450	12	685	137	164
384C-950-I-T2	384D-950-I-T2	38	950	550	9820	965.2	548	584	310	500	15	785	215	268
384C-950-I-T3	384D-950-I-T3	38	950	600	9820	965.2	548	584	310	500	25	785	312	398
384C-950-I-T4	384D-950-I-T4	38	950	600	9820	965.2	544	580	310	500	12	785	176	220
384C-950-L-T0	384D-950-L-T0	38	950	400	22740	965.2	561	606	250	450	20	635	190	224
384C-950-L-T1	384D-950-L-T1	38	950	450	22740	965.2	561	606	270	450	15	685	189	222
384C-950-L-T2	384D-950-L-T2	38	950	550	22740	965.2	561	606	310	500	20	785	297	366
384C-950-L-T3	384D-950-L-T3	38	950	600	22740	965.2	561	606	310	500	40	785	476	605
384C-950-L-T4	384D-950-L-T4	38	950	600	22740	965.2	554	599	310	500	15	785	219	273



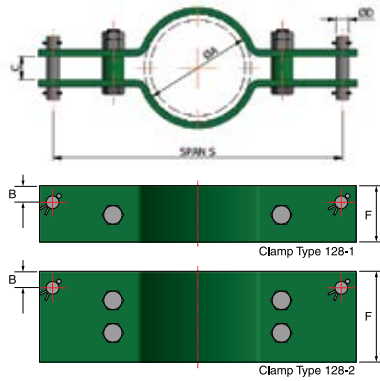
Materials:

Range T0 - Carbon Steel
Range T1 - Alloy Steel
Range T2 - Alloy Steel
Range T3 - Alloy Steel
Range T4 - 9% Cr Steel

Note: Maximum vertical load for Fig. 384C is for downward acting loads. Maximum vertical load for Fig. 384D is for downward or upward acting loads. Maximum lateral and axial loads for Fig. 384C and Fig.384D are 30% of the vertical load.

Part No. Fig. 384C	Part No. Fig. 384D	Nominal Pipe Size		Max. Temp. Deg. C	Max Vertical Load Fv kg	Pipe O/D mm	A mm	B mm	E mm	F mm	G mm	H mm	Weight Fig. 384C kg	Weight Fig. 384D kg
		in	mm											
384C-1000-J-T0	384D-1000-J-T0	40	1000	400	13560	1016	573	609	260	450	15	660	139	166
384C-1000-J-T1	384D-1000-J-T1	40	1000	450	13560	1016	573	609	280	450	12	710	142	170
384C-1000-J-T2	384D-1000-J-T2	40	1000	550	13560	1016	573	609	320	500	15	810	221	276
384C-1000-J-T3	384D-1000-J-T3	40	1000	600	13560	1016	573	609	320	500	25	810	321	409
384C-1000-J-T4	384D-1000-J-T4	40	1000	600	13560	1016	569	605	320	500	12	810	181	226
384C-1000-L-T0	384D-1000-L-T0	40	1000	400	22740	1016	586	631	260	450	20	660	197	232
384C-1000-L-T1	384D-1000-L-T1	40	1000	450	22740	1016	586	631	280	450	15	710	195	230
384C-1000-L-T2	384D-1000-L-T2	40	1000	550	22740	1016	586	631	320	500	20	810	305	377
384C-1000-L-T3	384D-1000-L-T3	40	1000	600	22740	1016	586	631	320	500	40	810	489	622
384C-1000-L-T4	384D-1000-L-T4	40	1000	600	22740	1016	580	625	320	500	15	810	226	280

RISER CLAMPS - FIG 128

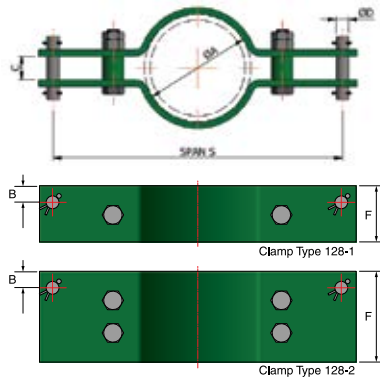


Part Number	Design Load kg	Max Temp. Deg.C	NB mm	O/D mm	Dia. A mm	Span S (Min) mm	Span S (Max) mm	Dia. D mm	Gap C mm	B mm	F (at Min Span) mm	F (at Max Span) mm	Weight (at Min Span) kg	Weight (at Max Span) kg	Clamp Material
	kg	Deg.C	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	
128-1-15-O-T0	460	400	15	21.3	23	200	800	12	15	18	50	90	2.0	18.0	Carbon Steel
128-1-20-O-T0	460	400	20	26.7	28	200	800	12	15	18	50	90	2.0	18.0	Carbon Steel
128-1-25-O-T0	460	400	25	33.4	36	200	800	12	15	18	50	90	2.1	18.1	Carbon Steel
128-1-32-O-T0	460	400	32	42.2	44	200	800	12	15	18	50	90	2.1	18.1	Carbon Steel
128-1-40-O-T0	460	400	40	48.3	50	250	800	12	15	18	60	90	3.0	18.2	Carbon Steel
128-1-50-O-T0	460	400	50	60.3	62	250	1000	12	15	18	60	110	3.0	27.5	Carbon Steel
128-1-50-A-T0	760	400	50	60.3	62	250	1000	16	15	24	70	100	4.4	33.8	Carbon Steel
128-1-50-B-T0	1120	400	50	60.3	62	250	1000	16	17	24	90	130	5.6	43.8	Carbon Steel
128-1-65-O-T0	460	400	65	73	80	250	1000	12	15	18	50	110	2.6	27.7	Carbon Steel
128-1-65-A-T0	760	400	65	73	80	300	1000	16	15	24	70	100	5.3	34.1	Carbon Steel
128-1-65-B-T0	1120	400	65	73	80	300	1000	16	17	24	70	140	6.5	47.6	Carbon Steel
128-1-80-O-T0	460	400	80	88.9	92	300	1000	12	15	18	70	110	4.2	27.8	Carbon Steel
128-1-80-A-T0	760	400	80	88.9	92	300	1000	16	15	24	70	100	5.3	34.2	Carbon Steel
128-1-80-B-T0	1120	400	80	88.9	92	300	1000	16	17	24	70	140	6.6	47.8	Carbon Steel
128-2-100-O-T0	460	400	100	114.3	118	300	1200	12	15	18	80	80	5.0	32.3	Carbon Steel
128-2-100-A-T0	760	400	100	114.3	118	300	1200	16	15	24	80	120	6.2	49.0	Carbon Steel
128-2-100-B-T0	1120	400	100	114.3	118	300	1200	16	17	24	90	110	7.0	56.0	Carbon Steel
128-2-100-C-T0	2080	400	100	114.3	118	350	1200	20	19	30	80	200	11.8	102.7	Carbon Steel
128-2-125-O-T0	460	400	125	141.3	144	350	1200	12	15	18	80	80	5.8	32.6	Carbon Steel
128-2-125-A-T0	760	400	125	141.3	144	350	1200	16	15	24	80	120	7.2	49.4	Carbon Steel
128-2-125-B-T0	1120	400	125	141.3	144	350	1200	16	17	24	80	120	8.9	61.6	Carbon Steel
128-2-125-C-T0	2080	400	125	141.3	144	400	1200	20	19	30	100	200	16.7	103.7	Carbon Steel
128-2-150-O-T0	460	400	150	168.3	172	350	1200	12	15	18	80	80	6.0	33.0	Carbon Steel
128-2-150-A-T0	760	400	150	168.3	172	400	1200	16	15	24	80	120	8.2	50.0	Carbon Steel
128-2-150-B-T0	1120	400	150	168.3	172	400	1200	16	17	24	80	120	10.1	62.2	Carbon Steel
128-2-150-C-T0	2080	400	150	168.3	172	450	1200	20	19	30	100	200	18.8	104.7	Carbon Steel
128-2-150-D-T0	3260	400	150	168.3	172	450	1200	24	24	36	140	210	26.7	133.0	Carbon Steel
128-2-200-A-T0	760	400	200	219.1	224	450	1500	16	15	24	80	150	9.3	77.8	Carbon Steel
128-2-200-B-T0	1120	400	200	219.1	224	450	1500	16	17	24	100	140	14.5	90.6	Carbon Steel
128-2-200-C-T0	2080	400	200	219.1	224	500	1500	20	19	30	100	180	21.1	140.4	Carbon Steel
128-2-200-D-T0	3260	400	200	219.1	224	500	1500	24	24	36	140	190	30.1	174.2	Carbon Steel
128-2-200-E-T0	4720	400	200	219.1	224	550	1500	30	28	45	150	210	44.6	222.4	Carbon Steel
128-2-200-F-T0	7500	400	200	219.1	224	600	1500	36	40	54	180	250	69.8	300.6	Carbon Steel
128-2-250-A-T0	760	400	250	273	278	500	1500	16	15	24	90	150	11.8	79.1	Carbon Steel
128-2-250-B-T0	1120	400	250	273	278	500	1500	16	17	24	100	140	16.4	92.1	Carbon Steel
128-2-250-C-T0	2080	400	250	273	278	550	1500	20	19	30	120	170	28.4	135.0	Carbon Steel
128-2-250-D-T0	3260	400	250	273	278	600	1500	24	24	36	160	190	40.9	176.9	Carbon Steel
128-2-250-E-T0	4720	400	250	273	278	650	1500	30	28	45	170	210	59.1	226.1	Carbon Steel
128-2-250-F-T0	7500	400	250	273	278	650	1500	36	40	54	190	250	80.4	304.8	Carbon Steel
128-2-250-G-T0	10920	400	250	273	278	700	1300	42	45	63	220	250	117.5	304.3	Carbon Steel
128-2-300-A-T0	760	400	300	323.9	330	550	1900	16	15	24	100	120	18.2	99.2	Carbon Steel
128-2-300-B-T0	1120	400	300	323.9	330	550	1900	16	17	24	100	170	18.2	140.3	Carbon Steel
128-2-300-C-T0	2080	400	300	323.9	330	600	1850	20	19	30	120	210	31.4	204.0	Carbon Steel
128-2-300-D-T0	3260	400	300	323.9	330	650	1850	24	24	36	150	240	52.4	273.2	Carbon Steel
128-2-300-E-T0	4720	400	300	323.9	330	700	1850	30	28	45	170	250	64.3	327.8	Carbon Steel
128-2-300-F-T0	7500	400	300	323.9	330	750	1800	36	40	54	210	250	101.1	401.7	Carbon Steel
128-2-300-G-T0	10920	400	300	323.9	330	800	1350	42	45	63	240	250	144.2	318.8	Carbon Steel
128-2-300-H-T0	14960	400	300	323.9	330	850	1050	48	52	72	220	240	179.9	254.0	Carbon Steel

RISER CLAMPS - FIG 128

Part Number	Design Load kg	Max Temp.	NB	O/D	Dia. A	Span S (Min)	Span S (Max)	Dia. D	Gap C	B	F (at Min Span)	F (at Max Span)	Weight (at Min Span)	Weight (at Max Span)	Clamp Material
	kg	Deg. C	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	
128-2-350-A-T0	760	400	350	355.6	362	600	1850	16	15	24	100	120	19.8	97.7	Carbon Steel
128-2-350-B-T0	1120	400	350	355.6	362	600	1850	16	17	24	100	170	19.8	138.1	Carbon Steel
128-2-350-C-T0	2080	400	350	355.6	362	650	1850	20	19	30	120	210	33.9	205.6	Carbon Steel
128-2-350-D-T0	3260	400	350	355.6	362	650	1850	24	24	36	160	230	45.7	263.9	Carbon Steel
128-2-350-E-T0	4720	400	350	355.6	362	700	1850	30	28	45	160	250	61.7	330.3	Carbon Steel
128-2-350-F-T0	7500	400	350	355.6	362	800	1850	36	40	54	220	250	113.4	415.3	Carbon Steel
128-2-350-G-T0	10920	400	350	355.6	362	800	1350	42	45	63	230	250	140.4	321.7	Carbon Steel
128-2-350-H-T0	14960	400	350	355.6	362	900	1100	48	52	72	230	250	199.6	278.4	Carbon Steel
128-2-400-A-T0	760	400	400	406.4	412	650	1850	16	15	24	100	120	21.6	98.9	Carbon Steel
128-2-400-B-T0	1120	400	400	406.4	412	650	1850	16	17	24	100	160	21.6	131.7	Carbon Steel
128-2-400-C-T0	2080	400	400	406.4	412	700	1850	20	19	30	120	200	36.8	198.3	Carbon Steel
128-2-400-D-T0	3260	400	400	406.4	412	750	1800	24	24	36	150	220	60.9	249.6	Carbon Steel
128-2-400-E-T0	4720	400	400	406.4	412	750	1800	30	28	45	170	240	70.6	314.2	Carbon Steel
128-2-400-F-T0	7500	400	400	406.4	412	850	1800	36	40	54	220	240	121.3	394.1	Carbon Steel
128-2-400-G-T0	10920	400	400	406.4	412	900	1400	42	45	63	250	250	170.6	337.5	Carbon Steel
128-2-400-H-T0	14960	400	400	406.4	412	950	1150	48	52	72	230	250	211.7	292.9	Carbon Steel
128-2-450-B-T0	1120	400	450	457.2	464	700	1800	16	17	24	110	150	25.8	122.4	Carbon Steel
128-2-450-C-T0	2080	400	450	457.2	464	800	1800	20	19	30	150	190	52.2	186.8	Carbon Steel
128-2-450-D-T0	3260	400	450	457.2	464	800	1800	24	24	36	180	210	79.0	242.1	Carbon Steel
128-2-450-E-T0	4720	400	450	457.2	464	850	1800	30	28	45	190	230	88.9	305.2	Carbon Steel
128-2-450-F-T0	7500	400	450	457.2	464	900	1800	36	40	54	230	230	135.0	382.3	Carbon Steel
128-2-450-G-T0	10920	400	450	457.2	464	950	1450	42	45	63	220	250	181.7	352.4	Carbon Steel
128-2-450-H-T0	14960	400	450	457.2	464	1000	1050	48	52	72	240	250	233.5	251.8	Carbon Steel
128-2-500-B-T0	1120	400	500	508	516	750	1800	16	17	24	120	150	30.3	124.1	Carbon Steel
128-2-500-C-T0	2080	400	500	508	516	850	1750	20	19	30	150	180	55.9	175.1	Carbon Steel
128-2-500-D-T0	3260	400	500	508	516	850	1750	24	24	36	180	200	84.5	228.2	Carbon Steel
128-2-500-E-T0	4720	400	500	508	516	900	1750	30	28	45	190	210	94.8	275.8	Carbon Steel
128-2-500-F-T0	7500	400	500	508	516	950	1750	36	40	54	230	220	143.5	363.0	Carbon Steel
128-2-500-G-T0	10920	400	500	508	516	1000	1500	42	45	63	220	250	192.3	367.3	Carbon Steel
128-1-15-O-T1	460	450	15	21.3	23	200	800	12	15	18	60	80	2.0	16.0	Alloy Steel
128-1-20-O-T1	460	450	20	26.7	28	200	800	12	15	18	60	80	2.0	16.0	Alloy Steel
128-1-25-O-T1	460	450	25	33.4	36	200	800	12	15	18	60	80	2.0	16.1	Alloy Steel
128-1-32-O-T1	460	450	32	42.2	44	200	800	12	15	18	60	80	2.0	16.1	Alloy Steel
128-1-40-O-T1	460	450	40	48.3	50	200	800	12	15	18	60	80	2.0	16.2	Alloy Steel
128-1-50-O-T1	460	450	50	60.3	62	250	1000	12	15	18	50	100	2.5	25.0	Alloy Steel
128-1-50-A-T1	760	450	50	60.3	62	250	1000	16	15	24	80	90	4.2	30.4	Alloy Steel
128-1-50-B-T1	1120	450	50	60.3	62	250	1000	16	17	24	80	120	5.0	40.5	Alloy Steel
128-1-65-O-T1	460	450	65	73	80	250	1000	12	15	18	50	100	2.6	25.2	Alloy Steel
128-1-65-A-T1	760	450	65	73	80	300	1000	16	15	24	70	90	5.3	30.7	Alloy Steel
128-1-65-B-T1	1120	450	65	73	80	300	1000	16	17	24	90	130	6.7	44.2	Alloy Steel
128-1-80-O-T1	460	450	80	88.9	92	300	1000	12	15	18	60	100	3.6	25.3	Alloy Steel
128-1-80-A-T1	760	450	80	88.9	92	300	1000	16	15	24	70	90	5.3	30.8	Alloy Steel
128-1-80-B-T1	1120	450	80	88.9	92	300	1000	16	17	24	90	130	6.8	44.4	Alloy Steel
128-2-100-O-T1	460	450	100	114.3	118	300	1200	12	15	18	80	120	5.0	36.4	Alloy Steel
128-2-100-A-T1	760	450	100	114.3	118	300	1200	16	15	24	80	110	5.2	44.9	Alloy Steel
128-2-125-A-T1	760	450	125	141.3	144	350	1200	16	15	24	80	110	7.2	45.3	Alloy Steel
128-2-125-B-T1	1120	450	125	141.3	144	350	1200	16	17	24	90	160	8.0	65.8	Alloy Steel
128-2-125-C-T1	2080	450	125	141.3	144	400	1200	20	19	30	100	190	16.7	98.6	Alloy Steel
128-2-150-O-T1	460	450	150	168.3	172	350	1200	12	15	18	80	120	6.0	37.2	Alloy Steel
128-2-150-A-T1	760	450	150	168.3	172	350	1200	16	15	24	80	110	6.2	45.8	Alloy Steel
128-2-150-B-T1	1120	450	150	168.3	172	400	1200	16	17	24	80	160	10.1	66.5	Alloy Steel
128-2-150-C-T1	2080	450	150	168.3	172	400	1200	20	19	30	120	190	15.5	99.5	Alloy Steel
128-2-150-D-T1	3260	450	150	168.3	172	450	1200	24	24	36	130	200	24.9	126.7	Alloy Steel
128-2-200-A-T1	760	450	200	219.1	224	450	1500	16	15	24	80	140	9.3	72.6	Alloy Steel
128-2-200-B-T1	1120	450	200	219.1	224	450	1500	16	17	24	100	130	14.5	84.1	Alloy Steel
128-2-200-C-T1	2080	450	200	219.1	224	450	1500	20	19	30	120	170	17.8	132.6	Alloy Steel
128-2-200-D-T1	3260	450	200	219.1	224	500	1500	24	24	36	130	190	28.0	174.0	Alloy Steel
128-2-200-E-T1	4720	450	200	219.1	224	550	1500	30	28	45	140	210	41.7	222.4	Alloy Steel
128-2-200-F-T1	7500	450	200	219.1	224	600	1500	36	40	54	180	250	69.4	300.2	Alloy Steel
128-2-250-A-T1	760	450	250	273	278	500	1500	16	15	24	80	140	10.5	73.9	Alloy Steel
128-2-250-B-T1	1120	450	250	273	278	500	1500	16	17	24	100	130	16.4	85.6	Alloy Steel
128-2-250-C-T1	2080	450	250	273	278	550	1500	20	19	30	120	160	28.4	127.1	Alloy Steel

RISER CLAMPS - FIG 128

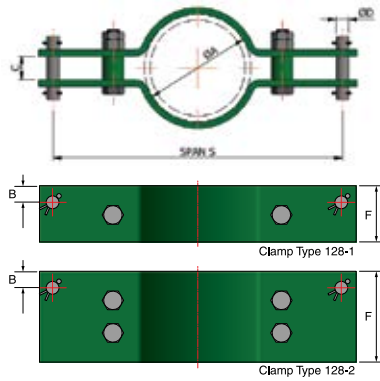


Part Number	Design Load	Max Temp.	NB	O/D	Dia. A	Span S (Min)	Span S (Max)	Dia. D	Gap C	B	F (at Min Span)	F (at Max Span)	Weight (at Min Span)	Weight (at Max Span)	Clamp Material
	kg	Deg.C	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	
128-2-250-D-T1	3260	450	250	273	278	600	1500	24	24	36	150	240	38.4	191.8	Alloy Steel
128-2-250-E-T1	4720	450	250	273	278	600	1500	30	28	45	140	200	45.9	215.1	Alloy Steel
128-2-250-F-T1	7500	450	250	273	278	650	1500	36	40	54	180	250	76.3	304.8	Alloy Steel
128-2-250-G-T1	10920	450	250	273	278	700	1300	42	45	63	210	250	112.3	304.3	Alloy Steel
128-2-300-A-T1	760	450	300	323.9	330	550	1900	16	15	24	100	120	18.2	99.2	Alloy Steel
128-2-300-B-T1	1120	450	300	323.9	330	550	1900	16	17	24	100	160	18.2	132.1	Alloy Steel
128-2-300-C-T1	2080	450	300	323.9	330	600	1850	20	19	30	120	200	31.4	194.3	Alloy Steel
128-2-300-D-T1	3260	450	300	323.9	330	650	1850	24	24	36	150	230	42.1	261.9	Alloy Steel
128-2-300-E-T1	4720	450	300	323.9	330	700	1850	30	28	45	160	250	60.6	327.8	Alloy Steel
128-2-300-F-T1	7500	450	300	323.9	330	750	1850	36	40	54	200	250	96.4	411.5	Alloy Steel
128-2-300-G-T1	10920	450	300	323.9	330	800	1350	42	45	63	230	250	138.4	318.8	Alloy Steel
128-2-300-H-T1	14960	450	300	323.9	330	850	1050	48	52	72	220	240	179.9	254.0	Alloy Steel
128-2-350-A-T1	760	450	350	355.6	362	600	1850	16	15	24	100	110	19.8	89.6	Alloy Steel
128-2-350-B-T1	1120	450	350	355.6	362	600	1850	16	17	24	100	160	19.8	130.0	Alloy Steel
128-2-350-C-T1	2080	450	350	355.6	362	650	1850	20	19	30	120	200	33.9	195.9	Alloy Steel
128-2-350-D-T1	3260	450	350	355.6	362	650	1850	24	24	36	150	230	42.9	263.9	Alloy Steel
128-2-350-E-T1	4720	450	350	355.6	362	700	1850	30	28	45	160	250	61.7	330.3	Alloy Steel
128-2-350-F-T1	7500	450	350	355.6	362	800	1850	36	40	54	210	250	108.4	415.3	Alloy Steel
128-2-350-G-T1	10920	450	350	355.6	362	800	1400	42	45	63	220	250	134.5	331.6	Alloy Steel
128-2-350-H-T1	14960	450	350	355.6	362	900	1100	48	52	72	230	250	199.6	278.4	Alloy Steel
128-2-400-A-T1	760	450	400	406.4	412	650	1850	16	15	24	100	160	21.6	105.8	Alloy Steel
128-2-400-B-T1	1120	450	400	406.4	412	650	1850	16	17	24	100	150	21.6	123.5	Alloy Steel
128-2-400-C-T1	2080	450	400	406.4	412	750	1850	20	19	30	150	190	48.5	188.8	Alloy Steel
128-2-400-D-T1	3260	450	400	406.4	412	750	1800	24	24	36	150	210	60.9	238.3	Alloy Steel
128-2-400-E-T1	4720	450	400	406.4	412	750	1800	30	28	45	160	230	66.5	301.3	Alloy Steel
128-2-400-F-T1	7500	450	400	406.4	412	850	1800	36	40	54	210	240	115.9	394.1	Alloy Steel
128-2-400-G-T1	10920	450	400	406.4	412	850	1400	42	45	63	230	250	149.9	336.3	Alloy Steel
128-2-400-H-T1	14960	450	400	406.4	412	950	1150	48	52	72	230	250	211.7	292.9	Alloy Steel
128-2-450-B-T1	1120	450	450	457.2	464	700	1800	16	17	24	100	140	23.5	114.1	Alloy Steel
128-2-450-C-T1	2080	450	450	457.2	464	800	1800	20	19	30	150	180	52.2	177.0	Alloy Steel
128-2-450-D-T1	3260	450	450	457.2	464	800	1800	24	24	36	150	210	65.5	241.4	Alloy Steel
128-2-450-E-T1	4720	450	450	457.2	464	850	1800	30	28	45	180	230	84.4	305.2	Alloy Steel
128-2-450-F-T1	7500	450	450	457.2	464	900	1800	36	40	54	220	230	129.3	382.3	Alloy Steel
128-2-450-G-T1	10920	450	450	457.2	464	950	1450	42	45	63	250	250	181.2	352.4	Alloy Steel
128-2-450-H-T1	14960	450	450	457.2	464	1000	1050	48	52	72	240	250	233.5	251.8	Alloy Steel
128-2-500-B-T1	1120	450	500	508	516	750	1800	16	17	24	110	140	27.8	115.9	Alloy Steel
128-2-500-C-T1	2080	450	500	508	516	850	1750	20	19	30	150	170	55.9	165.5	Alloy Steel
128-2-500-D-T1	3260	450	500	508	516	850	1750	24	24	36	180	190	84.5	216.9	Alloy Steel
128-2-500-E-T1	4720	450	500	508	516	900	1750	30	28	45	180	210	89.9	275.8	Alloy Steel
128-2-500-F-T1	7500	450	500	508	516	950	1750	36	40	54	220	220	137.4	361.9	Alloy Steel
128-2-500-G-T1	10920	450	500	508	516	1000	1500	42	45	63	220	250	192.3	367.3	Alloy Steel
128-1-15-O-T2	460	550	15	21.3	23	200	800	12	15	18	80	80	3.2	21.3	Alloy Steel
128-1-20-O-T2	460	550	20	26.7	28	200	800	12	15	18	80	80	3.2	21.3	Alloy Steel
128-1-25-O-T2	460	550	25	33.4	36	200	800	12	15	18	80	80	3.2	21.4	Alloy Steel
128-1-32-O-T2	460	550	32	42.2	44	200	800	12	15	18	80	80	3.3	21.4	Alloy Steel
128-1-40-O-T2	460	550	40	48.3	50	250	800	12	15	18	70	80	4.1	21.5	Alloy Steel
128-1-50-O-T2	460	550	50	60.3	62	250	1000	12	15	18	70	100	4.2	33.3	Alloy Steel
128-1-50-A-T2	760	550	50	60.3	62	250	1000	16	15	24	70	150	5.5	50.6	Alloy Steel

RISER CLAMPS - FIG 128

Part Number	Design Load kg	Max Temp.	NB	O/D	Dia. A	Span S (Min)	Span S (Max)	Dia. D	Gap C	B	F (at Min Span)	F (at Max Span)	Weight (at Min Span)	Weight (at Max Span)	Clamp Material
	kg	Deg. C	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	
128-1-50-B-T2	1120	550	50	60.3	62	250	1000	16	17	24	100	140	7.8	59.0	Alloy Steel
128-1-65-O-T2	460	550	65	73	80	250	1000	12	15	18	80	100	4.1	33.5	Alloy Steel
128-1-65-A-T2	760	550	65	73	80	300	1000	16	15	24	80	150	7.4	51.0	Alloy Steel
128-1-65-B-T2	1120	550	65	73	80	300	1000	16	17	24	110	130	10.0	55.1	Alloy Steel
128-1-80-O-T2	460	550	80	88.9	92	300	1000	12	15	18	80	100	5.7	33.7	Alloy Steel
128-1-80-A-T2	760	550	80	88.9	92	300	1000	16	15	24	80	160	7.5	54.6	Alloy Steel
128-1-80-B-T2	1120	550	80	88.9	92	300	1000	16	17	24	110	140	10.2	59.6	Alloy Steel
128-2-100-O-T2	460	550	100	114.3	118	300	1200	12	15	18	80	120	6.0	48.4	Alloy Steel
128-2-100-A-T2	760	550	100	114.3	118	350	1200	16	15	24	90	120	9.7	61.1	Alloy Steel
128-2-100-B-T2	1120	550	100	114.3	118	350	1200	16	17	24	120	170	12.8	86.4	Alloy Steel
128-2-100-C-T2	2080	550	100	114.3	118	350	1200	20	19	30	120	200	17.5	123.0	Alloy Steel
128-2-125-O-T2	460	550	125	141.3	144	350	1200	12	15	18	80	120	6.9	48.8	Alloy Steel
128-2-125-A-T2	760	550	125	141.3	144	350	1200	16	15	24	80	120	8.9	61.6	Alloy Steel
128-2-125-B-T2	1120	550	125	141.3	144	350	1200	16	17	24	110	170	12.1	87.1	Alloy Steel
128-2-125-C-T2	2080	550	125	141.3	144	400	1200	20	19	30	130	200	21.5	124.0	Alloy Steel
128-2-150-O-T2	460	550	150	168.3	172	350	1200	12	15	18	80	120	7.1	49.4	Alloy Steel
128-2-150-A-T2	760	550	150	168.3	172	400	1200	16	15	24	90	120	11.3	62.3	Alloy Steel
128-2-150-B-T2	1120	550	150	168.3	172	400	1200	16	17	24	120	170	15.0	88.0	Alloy Steel
128-2-150-C-T2	2080	550	150	168.3	172	450	1200	20	19	30	140	200	25.9	125.3	Alloy Steel
128-2-150-D-T2	3260	550	150	168.3	172	450	1200	24	24	36	140	220	33.1	162.1	Alloy Steel
128-2-200-A-T2	760	550	200	219.1	224	450	1500	16	15	24	90	150	13.0	96.9	Alloy Steel
128-2-200-B-T2	1120	550	200	219.1	224	450	1500	16	17	24	120	140	17.2	108.4	Alloy Steel
128-2-200-C-T2	2080	550	200	219.1	224	500	1500	20	19	30	140	180	29.4	163.4	Alloy Steel
128-2-200-D-T2	3260	550	200	219.1	224	550	1500	24	24	36	160	200	45.6	208.7	Alloy Steel
128-2-200-E-T2	4720	550	200	219.1	224	550	1500	30	28	45	160	220	56.4	261.6	Alloy Steel
128-2-200-F-T2	7500	550	200	219.1	224	600	1450	36	40	54	190	250	84.8	323.3	Alloy Steel
128-2-250-A-T2	760	550	250	273	278	500	1500	16	15	24	90	140	14.6	92.0	Alloy Steel
128-2-250-B-T2	1120	550	250	273	278	550	1500	16	17	24	100	200	23.1	131.4	Alloy Steel
128-2-250-C-T2	2080	550	250	273	278	550	1500	20	19	30	150	240	35.1	190.1	Alloy Steel
128-2-250-D-T2	3260	550	250	273	278	600	1500	24	24	36	160	200	50.6	212.1	Alloy Steel
128-2-250-E-T2	4720	550	250	273	278	650	1500	30	28	45	180	220	74.0	265.3	Alloy Steel
128-2-250-F-T2	7500	550	250	273	278	700	1450	36	40	54	210	250	108.3	328.2	Alloy Steel
128-2-250-G-T2	10920	550	250	273	278	700	1050	42	45	63	230	240	138.2	244.2	Alloy Steel
128-2-300-A-T2	760	550	300	323.9	330	550	1900	16	15	24	90	180	16.3	148.6	Alloy Steel
128-2-300-B-T2	1120	550	300	323.9	330	600	1900	16	17	24	100	180	25.5	177.7	Alloy Steel
128-2-300-C-T2	2080	550	300	323.9	330	600	1900	20	19	30	150	220	38.8	254.7	Alloy Steel
128-2-300-D-T2	3260	550	300	323.9	330	650	1850	24	24	36	160	240	55.5	311.1	Alloy Steel
128-2-300-E-T2	4720	550	300	323.9	330	700	1850	30	28	45	180	210	80.9	343.1	Alloy Steel
128-2-300-F-T2	7500	550	300	323.9	330	750	1500	36	40	54	220	250	122.4	342.8	Alloy Steel
128-2-300-G-T2	10920	550	300	323.9	330	800	1100	42	45	63	250	240	170.4	259.1	Alloy Steel
128-2-300-H-T2	14960	550	300	323.9	330	850	900	48	52	72	230	250	208.7	236.1	Alloy Steel
128-2-350-A-T2	760	550	350	355.6	362	600	1850	16	15	24	100	170	19.7	138.2	Alloy Steel
128-2-350-B-T2	1120	550	350	355.6	362	600	1850	16	17	24	100	170	26.0	165.2	Alloy Steel
128-2-350-C-T2	2080	550	350	355.6	362	650	1850	20	19	30	160	210	44.7	239.2	Alloy Steel
128-2-350-D-T2	3260	550	350	355.6	362	700	1850	24	24	36	170	240	63.4	313.5	Alloy Steel
128-2-350-E-T2	4720	550	350	355.6	362	750	1850	30	28	45	190	210	91.2	345.7	Alloy Steel
128-2-350-F-T2	7500	550	350	355.6	362	800	1500	36	40	54	230	250	136.2	345.7	Alloy Steel
128-2-350-G-T2	10920	550	350	355.6	362	850	1150	42	45	63	210	250	170.5	282.4	Alloy Steel
128-2-350-H-T2	14960	550	350	355.6	362	900	950	48	52	72	240	250	229.8	248.9	Alloy Steel
128-2-400-A-T2	760	550	400	406.4	412	650	1850	16	15	24	110	170	23.8	139.9	Alloy Steel
128-2-400-B-T2	1120	550	400	406.4	412	650	1850	16	17	24	100	170	28.5	167.4	Alloy Steel
128-2-400-C-T2	2080	550	400	406.4	412	750	1850	20	19	30	120	210	47.9	242.2	Alloy Steel
128-2-400-D-T2	3260	550	400	406.4	412	750	1850	24	24	36	180	240	72.5	317.6	Alloy Steel
128-2-400-E-T2	4720	550	400	406.4	412	800	1800	30	28	45	190	250	98.1	366.4	Alloy Steel
128-2-400-F-T2	7500	550	400	406.4	412	850	1550	36	40	54	230	250	146.7	361.3	Alloy Steel
128-2-400-G-T2	10920	550	400	406.4	412	900	1200	42	45	63	210	250	181.6	297.0	Alloy Steel
128-2-450-B-T2	1120	550	450	457.2	464	700	1800	16	17	24	100	150	31.0	146.1	Alloy Steel
128-2-450-C-T2	2080	550	450	457.2	464	800	1800	20	19	30	120	190	51.6	216.9	Alloy Steel
128-2-450-D-T2	3260	550	450	457.2	464	800	1800	24	24	36	180	220	78.3	288.1	Alloy Steel
128-2-450-E-T2	4720	550	450	457.2	464	850	1800	30	28	45	190	240	105.0	356.2	Alloy Steel
128-2-450-F-T2	7500	550	450	457.2	464	900	1600	36	40	54	230	250	156.4	376.0	Alloy Steel
128-2-450-G-T2	10920	550	450	457.2	464	1000	1250	42	45	63	230	250	220.2	313.1	Alloy Steel

RISER CLAMPS - FIG 128

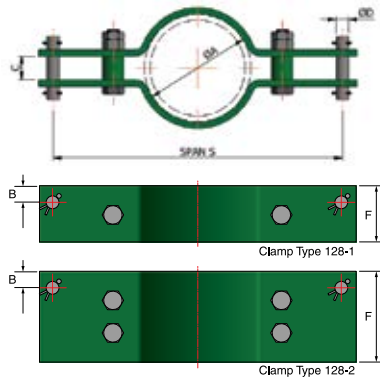


Part Number	Design Load kg	Max Temp. Deg.C	NB mm	O/D mm	Dia. A mm	Span S (Min) mm	Span S (Max) mm	Dia. D mm	Gap C mm	B mm	F (at Min Span) mm	F (at Max Span) mm	Weight (at Min Span) kg	Weight (at Max Span) kg	Clamp Material
	kg	Deg.C	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	
128-2-500-B-T2	1120	550	500	508	516	800	1800	16	17	24	110	150	38.5	148.2	Alloy Steel
128-2-500-C-T2	2080	550	500	508	516	850	1800	20	19	30	130	190	59.8	219.8	Alloy Steel
128-2-500-D-T2	3260	550	500	508	516	850	1750	24	24	36	180	200	83.8	259.2	Alloy Steel
128-2-500-E-T2	4720	550	500	508	516	900	1750	30	28	45	200	220	118.5	323.8	Alloy Steel
128-2-500-F-T2	7500	550	500	508	516	950	1650	36	40	54	240	250	173.2	391.1	Alloy Steel
128-2-500-G-T2	10920	550	500	508	516	1050	1300	42	45	63	230	250	232.7	328.0	Alloy Steel
128-1-15-O-T3	460	600	15	21.3	23	200	800	12	15	18	70	140	4.1	37.2	Alloy Steel
128-1-20-O-T3	460	600	20	26.7	28	200	800	12	15	18	70	140	4.1	37.3	Alloy Steel
128-1-25-O-T3	460	600	25	33.4	36	200	800	12	15	18	70	130	4.2	34.7	Alloy Steel
128-1-32-O-T3	460	600	32	42.2	44	250	800	12	15	18	80	130	5.8	34.8	Alloy Steel
128-1-40-O-T3	460	600	40	48.3	50	250	800	12	15	18	80	130	5.8	34.9	Alloy Steel
128-1-50-O-T3	460	600	50	60.3	62	250	1000	12	15	18	80	160	5.9	53.1	Alloy Steel
128-1-50-A-T3	760	600	50	60.3	62	250	1000	16	15	24	120	160	9.3	67.4	Alloy Steel
128-1-50-B-T3	1120	600	50	60.3	62	300	1000	16	17	24	120	160	14.1	80.7	Alloy Steel
128-1-65-O-T3	460	600	65	73	80	300	1000	12	15	18	80	160	7.0	53.5	Alloy Steel
128-1-65-A-T3	760	600	65	73	80	300	1000	16	15	24	80	150	9.7	63.6	Alloy Steel
128-1-65-B-T3	1120	600	65	73	80	300	1000	16	17	24	100	150	12.1	76.1	Alloy Steel
128-1-80-O-T3	460	600	80	88.9	92	300	1000	12	15	18	90	110	8.0	46.2	Alloy Steel
128-1-80-A-T3	760	600	80	88.9	92	350	1000	16	15	24	90	170	12.4	72.3	Alloy Steel
128-1-80-B-T3	1120	600	80	88.9	92	300	1000	16	17	24	110	160	13.4	81.5	Alloy Steel
128-2-100-O-T3	460	600	100	114.3	118	300	1200	12	15	18	80	130	7.4	65.4	Alloy Steel
128-2-100-A-T3	760	600	100	114.3	118	350	1200	16	15	24	90	200	12.8	101.6	Alloy Steel
128-2-100-B-T3	1120	600	100	114.3	118	350	1200	16	17	24	120	190	16.9	115.6	Alloy Steel
128-2-100-C-T3	2080	600	100	114.3	118	400	1200	20	19	30	150	230	30.0	164.8	Alloy Steel
128-2-125-O-T3	460	600	125	141.3	144	350	1200	12	15	18	90	130	9.6	66.0	Alloy Steel
128-2-125-A-T3	760	600	125	141.3	144	400	1200	16	15	24	90	140	14.5	86.0	Alloy Steel
128-2-125-B-T3	1120	600	125	141.3	144	400	1200	16	17	24	130	190	20.8	116.6	Alloy Steel
128-2-125-C-T3	2080	600	125	141.3	144	400	1200	20	19	30	150	240	30.6	173.2	Alloy Steel
128-2-150-O-T3	460	600	150	168.3	172	400	1200	12	15	18	90	130	11.0	66.6	Alloy Steel
128-2-150-A-T3	760	600	150	168.3	172	400	1200	16	15	24	90	200	14.9	103.6	Alloy Steel
128-2-450-D-T1	3260	450	450	457.2	464	800	1800	24	24	36	150	210	65.5	241.4	Alloy Steel
128-2-450-E-T1	4720	450	450	457.2	464	850	1800	30	28	45	180	230	84.4	305.2	Alloy Steel
128-2-450-F-T1	7500	450	450	457.2	464	900	1800	36	40	54	220	230	129.3	382.3	Alloy Steel
128-2-450-G-T1	10920	450	450	457.2	464	950	1450	42	45	63	250	250	181.2	352.4	Alloy Steel
128-2-450-H-T1	14960	450	450	457.2	464	1000	1050	48	52	72	240	250	233.5	251.8	Alloy Steel
128-2-500-B-T1	1120	450	500	508	516	750	1800	16	17	24	110	140	27.8	115.9	Alloy Steel
128-2-500-C-T1	2080	450	500	508	516	850	1750	20	19	30	150	170	55.9	165.5	Alloy Steel
128-2-500-D-T1	3260	450	500	508	516	850	1750	24	24	36	180	190	84.5	216.9	Alloy Steel
128-2-500-E-T1	4720	450	500	508	516	900	1750	30	28	45	180	210	89.9	275.8	Alloy Steel
128-2-500-F-T1	7500	450	500	508	516	950	1750	36	40	54	220	220	137.4	361.9	Alloy Steel
128-2-500-G-T1	10920	450	500	508	516	1000	1500	42	45	63	220	250	192.3	367.3	Alloy Steel
128-1-15-O-T2	460	550	15	21.3	23	200	800	12	15	18	80	80	3.2	21.3	Alloy Steel
128-1-20-O-T2	460	550	20	26.7	28	200	800	12	15	18	80	80	3.2	21.3	Alloy Steel
128-1-25-O-T2	460	550	25	33.4	36	200	800	12	15	18	80	80	3.2	21.4	Alloy Steel
128-1-32-O-T2	460	550	32	42.2	44	200	800	12	15	18	80	80	3.3	21.4	Alloy Steel
128-1-40-O-T2	460	550	40	48.3	50	250	800	12	15	18	70	80	4.1	21.5	Alloy Steel
128-1-50-O-T2	460	550	50	60.3	62	250	1000	12	15	18	70	100	4.2	33.3	Alloy Steel
128-1-50-A-T2	760	550	50	60.3	62	250	1000	16	15	24	70	150	5.5	50.6	Alloy Steel

RISER CLAMPS - FIG 128

Part Number	Design Load kg	Max Temp.	NB	O/D	Dia. A	Span S (Min)	Span S (Max)	Dia. D	Gap C	B	F (at Min Span)	F (at Max Span)	Weight (at Min Span)	Weight (at Max Span)	Clamp Material
	kg	Deg. C	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	
128-1-50-B-T2	1120	550	50	60.3	62	250	1000	16	17	24	100	140	7.8	59.0	Alloy Steel
128-1-65-O-T2	460	550	65	73	80	250	1000	12	15	18	80	100	4.1	33.5	Alloy Steel
128-1-65-A-T2	760	550	65	73	80	300	1000	16	15	24	80	150	7.4	51.0	Alloy Steel
128-1-65-B-T2	1120	550	65	73	80	300	1000	16	17	24	110	130	10.0	55.1	Alloy Steel
128-1-80-O-T2	460	550	80	88.9	92	300	1000	12	15	18	80	100	5.7	33.7	Alloy Steel
128-1-80-A-T2	760	550	80	88.9	92	300	1000	16	15	24	80	160	7.5	54.6	Alloy Steel
128-1-80-B-T2	1120	550	80	88.9	92	300	1000	16	17	24	110	140	10.2	59.6	Alloy Steel
128-2-100-O-T2	460	550	100	114.3	118	300	1200	12	15	18	80	120	6.0	48.4	Alloy Steel
128-2-100-A-T2	760	550	100	114.3	118	350	1200	16	15	24	90	120	9.7	61.1	Alloy Steel
128-2-100-B-T2	1120	550	100	114.3	118	350	1200	16	17	24	120	170	12.8	86.4	Alloy Steel
128-2-100-C-T2	2080	550	100	114.3	118	350	1200	20	19	30	120	200	17.5	123.0	Alloy Steel
128-2-125-O-T2	460	550	125	141.3	144	350	1200	12	15	18	80	120	6.9	48.8	Alloy Steel
128-2-125-A-T2	760	550	125	141.3	144	350	1200	16	15	24	80	120	8.9	61.6	Alloy Steel
128-2-125-B-T2	1120	550	125	141.3	144	350	1200	16	17	24	110	170	12.1	87.1	Alloy Steel
128-2-125-C-T2	2080	550	125	141.3	144	400	1200	20	19	30	130	200	21.5	124.0	Alloy Steel
128-2-150-O-T2	460	550	150	168.3	172	350	1200	12	15	18	80	120	7.1	49.4	Alloy Steel
128-2-150-A-T2	760	550	150	168.3	172	400	1200	16	15	24	90	120	11.3	62.3	Alloy Steel
128-2-150-B-T2	1120	550	150	168.3	172	400	1200	16	17	24	120	170	15.0	88.0	Alloy Steel
128-2-150-C-T2	2080	550	150	168.3	172	450	1200	20	19	30	140	200	25.9	125.3	Alloy Steel
128-2-150-D-T2	3260	550	150	168.3	172	450	1200	24	24	36	140	220	33.1	162.1	Alloy Steel
128-2-200-A-T2	760	550	200	219.1	224	450	1500	16	15	24	90	150	13.0	96.9	Alloy Steel
128-2-200-B-T2	1120	550	200	219.1	224	450	1500	16	17	24	120	140	17.2	108.4	Alloy Steel
128-2-200-C-T2	2080	550	200	219.1	224	500	1500	20	19	30	140	180	29.4	163.4	Alloy Steel
128-2-200-D-T2	3260	550	200	219.1	224	550	1500	24	24	36	160	200	45.6	208.7	Alloy Steel
128-2-200-E-T2	4720	550	200	219.1	224	550	1500	30	28	45	160	220	56.4	261.6	Alloy Steel
128-2-200-F-T2	7500	550	200	219.1	224	600	1450	36	40	54	190	250	84.8	323.3	Alloy Steel
128-2-250-A-T2	760	550	250	273	278	500	1500	16	15	24	90	140	14.6	92.0	Alloy Steel
128-2-250-B-T2	1120	550	250	273	278	550	1500	16	17	24	100	200	23.1	131.4	Alloy Steel
128-2-250-C-T2	2080	550	250	273	278	550	1500	20	19	30	150	240	35.1	190.1	Alloy Steel
128-2-250-D-T2	3260	550	250	273	278	600	1500	24	24	36	160	200	50.6	212.1	Alloy Steel
128-2-250-E-T2	4720	550	250	273	278	650	1500	30	28	45	180	220	74.0	265.3	Alloy Steel
128-2-250-F-T2	7500	550	250	273	278	700	1450	36	40	54	210	250	108.3	328.2	Alloy Steel
128-2-250-G-T2	10920	550	250	273	278	700	1050	42	45	63	230	240	138.2	244.2	Alloy Steel
128-2-300-A-T2	760	550	300	323.9	330	550	1900	16	15	24	90	180	16.3	148.6	Alloy Steel
128-2-300-B-T2	1120	550	300	323.9	330	600	1900	16	17	24	100	180	25.5	177.7	Alloy Steel
128-2-300-C-T2	2080	550	300	323.9	330	600	1900	20	19	30	150	220	38.8	254.7	Alloy Steel
128-2-300-D-T2	3260	550	300	323.9	330	650	1850	24	24	36	160	240	55.5	311.1	Alloy Steel
128-2-300-E-T2	4720	550	300	323.9	330	700	1850	30	28	45	180	210	80.9	343.1	Alloy Steel
128-2-300-F-T2	7500	550	300	323.9	330	750	1500	36	40	54	220	250	122.4	342.8	Alloy Steel
128-2-300-G-T2	10920	550	300	323.9	330	800	1100	42	45	63	250	240	170.4	259.1	Alloy Steel
128-2-300-H-T2	14960	550	300	323.9	330	850	900	48	52	72	230	250	208.7	236.1	Alloy Steel
128-2-350-A-T2	760	550	350	355.6	362	600	1850	16	15	24	100	170	19.7	138.2	Alloy Steel
128-2-350-B-T2	1120	550	350	355.6	362	600	1850	16	17	24	100	170	26.0	165.2	Alloy Steel
128-2-350-C-T2	2080	550	350	355.6	362	650	1850	20	19	30	160	210	44.7	239.2	Alloy Steel
128-2-350-D-T2	3260	550	350	355.6	362	700	1850	24	24	36	170	240	63.4	313.5	Alloy Steel
128-2-350-E-T2	4720	550	350	355.6	362	750	1850	30	28	45	190	210	91.2	345.7	Alloy Steel
128-2-350-F-T2	7500	550	350	355.6	362	800	1500	36	40	54	230	250	136.2	345.7	Alloy Steel
128-2-350-G-T2	10920	550	350	355.6	362	850	1150	42	45	63	210	250	170.5	282.4	Alloy Steel
128-2-350-H-T2	14960	550	350	355.6	362	900	950	48	52	72	240	250	229.8	248.9	Alloy Steel
128-2-400-A-T2	760	550	400	406.4	412	650	1850	16	15	24	110	170	23.8	139.9	Alloy Steel
128-2-400-B-T2	1120	550	400	406.4	412	650	1850	16	17	24	100	170	28.5	167.4	Alloy Steel
128-2-400-C-T2	2080	550	400	406.4	412	750	1850	20	19	30	120	210	47.9	242.2	Alloy Steel
128-2-400-D-T2	3260	550	400	406.4	412	750	1850	24	24	36	180	240	72.5	317.6	Alloy Steel
128-2-400-E-T2	4720	550	400	406.4	412	800	1800	30	28	45	190	250	98.1	366.4	Alloy Steel
128-2-400-F-T2	7500	550	400	406.4	412	850	1550	36	40	54	230	250	146.7	361.3	Alloy Steel
128-2-400-G-T2	10920	550	400	406.4	412	900	1200	42	45	63	210	250	181.6	297.0	Alloy Steel
128-2-450-B-T2	1120	550	450	457.2	464	700	1800	16	17	24	100	150	31.0	146.1	Alloy Steel
128-2-450-C-T2	2080	550	450	457.2	464	800	1800	20	19	30	120	190	51.6	216.9	Alloy Steel
128-2-450-D-T2	3260	550	450	457.2	464	800	1800	24	24	36	180	220	78.3	288.1	Alloy Steel
128-2-450-E-T2	4720	550	450	457.2	464	850	1800	30	28	45	190	240	105.0	356.2	Alloy Steel
128-2-450-F-T2	7500	550	450	457.2	464	900	1600	36	40	54	230	250	156.4	376.0	Alloy Steel
128-2-450-G-T2	10920	550	450	457.2	464	1000	1250	42	45	63	230	250	220.2	313.1	Alloy Steel

RISER CLAMPS - FIG 128

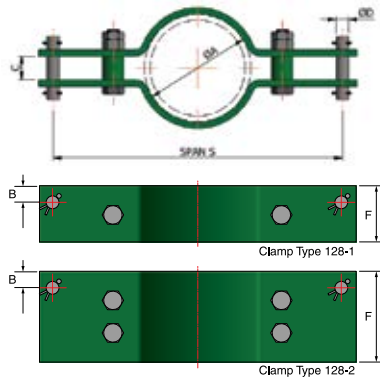


Part Number	Design Load kg	Max Temp. Deg.C	NB mm	O/D mm	Dia. A mm	Span S (Min) mm	Span S (Max) mm	Dia. D mm	Gap C mm	B mm	F (at Min Span) mm	F (at Max Span) mm	Weight (at Min Span) kg	Weight (at Max Span) kg	Clamp Material
	kg	Deg.C	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	
128-2-500-B-T2	1120	550	500	508	516	800	1800	16	17	24	110	150	38.5	148.2	Alloy Steel
128-2-500-C-T2	2080	550	500	508	516	850	1800	20	19	30	130	190	59.8	219.8	Alloy Steel
128-2-500-D-T2	3260	550	500	508	516	850	1750	24	24	36	180	200	83.8	259.2	Alloy Steel
128-2-500-E-T2	4720	550	500	508	516	900	1750	30	28	45	200	220	118.5	323.8	Alloy Steel
128-2-500-F-T2	7500	550	500	508	516	950	1650	36	40	54	240	250	173.2	391.1	Alloy Steel
128-2-500-G-T2	10920	550	500	508	516	1050	1300	42	45	63	230	250	232.7	328.0	Alloy Steel
128-1-15-O-T3	460	600	15	21.3	23	200	800	12	15	18	70	140	4.1	37.2	Alloy Steel
128-1-20-O-T3	460	600	20	26.7	28	200	800	12	15	18	70	140	4.1	37.3	Alloy Steel
128-1-25-O-T3	460	600	25	33.4	36	200	800	12	15	18	70	130	4.2	34.7	Alloy Steel
128-1-32-O-T3	460	600	32	42.2	44	250	800	12	15	18	80	130	5.8	34.8	Alloy Steel
128-1-40-O-T3	460	600	40	48.3	50	250	800	12	15	18	80	130	5.8	34.9	Alloy Steel
128-1-50-O-T3	460	600	50	60.3	62	250	1000	12	15	18	80	160	5.9	53.1	Alloy Steel
128-1-50-A-T3	760	600	50	60.3	62	250	1000	16	15	24	120	160	9.3	67.4	Alloy Steel
128-1-50-B-T3	1120	600	50	60.3	62	300	1000	16	17	24	120	160	14.1	80.7	Alloy Steel
128-1-65-O-T3	460	600	65	73	80	300	1000	12	15	18	80	160	7.0	53.5	Alloy Steel
128-1-65-A-T3	760	600	65	73	80	300	1000	16	15	24	80	150	9.7	63.6	Alloy Steel
128-1-65-B-T3	1120	600	65	73	80	300	1000	16	17	24	100	150	12.1	76.1	Alloy Steel
128-1-80-O-T3	460	600	80	88.9	92	300	1000	12	15	18	90	110	8.0	46.2	Alloy Steel
128-1-80-A-T3	760	600	80	88.9	92	350	1000	16	15	24	90	170	12.4	72.3	Alloy Steel
128-1-80-B-T3	1120	600	80	88.9	92	300	1000	16	17	24	110	160	13.4	81.5	Alloy Steel
128-2-100-O-T3	460	600	100	114.3	118	300	1200	12	15	18	80	130	7.4	65.4	Alloy Steel
128-2-100-A-T3	760	600	100	114.3	118	350	1200	16	15	24	90	200	12.8	101.6	Alloy Steel
128-2-100-B-T3	1120	600	100	114.3	118	350	1200	16	17	24	120	190	16.9	115.6	Alloy Steel
128-2-100-C-T3	2080	600	100	114.3	118	400	1200	20	19	30	150	230	30.0	164.8	Alloy Steel
128-2-125-O-T3	460	600	125	141.3	144	350	1200	12	15	18	90	130	9.6	66.0	Alloy Steel
128-2-125-A-T3	760	600	125	141.3	144	400	1200	16	15	24	90	140	14.5	86.0	Alloy Steel
128-2-125-B-T3	1120	600	125	141.3	144	400	1200	16	17	24	130	190	20.8	116.6	Alloy Steel
128-2-125-C-T3	2080	600	125	141.3	144	400	1200	20	19	30	150	240	30.6	173.2	Alloy Steel
128-2-150-O-T3	460	600	150	168.3	172	400	1200	12	15	18	90	130	11.0	66.6	Alloy Steel
128-2-150-A-T3	760	600	150	168.3	172	400	1200	16	15	24	90	200	14.9	103.6	Alloy Steel
128-2-150-B-T3	1120	600	150	168.3	172	400	1200	16	17	24	120	190	19.8	117.7	Alloy Steel
128-2-150-C-T3	2080	600	150	168.3	172	450	1200	20	19	30	150	240	34.3	174.8	Alloy Steel
128-2-150-D-T3	3260	600	150	168.3	172	450	1200	24	24	36	160	200	44.7	188.6	Alloy Steel
128-2-200-A-T3	760	600	200	219.1	224	450	1500	16	15	24	90	170	17.1	131.5	Alloy Steel
128-2-200-B-T3	1120	600	200	219.1	224	450	1500	16	17	24	120	240	22.6	185.4	Alloy Steel
128-2-200-C-T3	2080	600	200	219.1	224	500	1500	20	19	30	160	220	41.4	227.7	Alloy Steel
128-2-200-D-T3	3260	600	200	219.1	224	550	1500	24	24	36	180	250	60.9	292.9	Alloy Steel
128-2-200-E-T3	4720	600	200	219.1	224	550	1400	30	28	45	190	250	77.0	309.7	Alloy Steel
128-2-200-F-T3	7500	600	200	219.1	224	600	950	36	40	54	230	250	115.7	225.0	Alloy Steel
128-2-250-A-T3	760	600	250	273	278	500	1500	16	15	24	90	160	19.3	125.8	Alloy Steel
128-2-250-B-T3	1120	600	250	273	278	500	1500	16	17	24	130	230	27.7	180.6	Alloy Steel
128-2-250-C-T3	2080	600	250	273	278	550	1500	20	19	30	160	210	46.4	220.8	Alloy Steel
128-2-250-D-T3	3260	600	250	273	278	600	1500	24	24	36	190	240	71.2	285.5	Alloy Steel
128-2-250-E-T3	4720	600	250	273	278	650	1400	30	28	45	210	250	99.8	314.6	Alloy Steel
128-2-250-F-T3	7500	600	250	273	278	700	1000	36	40	54	200	250	130.8	239.4	Alloy Steel
128-2-300-A-T3	760	600	300	323.9	330	600	1900	16	15	24	110	200	27.9	197.5	Alloy Steel
128-2-300-B-T3	1120	600	300	323.9	330	600	1900	16	17	24	150	210	37.9	241.3	Alloy Steel
128-2-300-C-T3	2080	600	300	323.9	330	600	1900	20	19	30	160	210	51.3	311.1	Alloy Steel

RISER CLAMPS - FIG 128

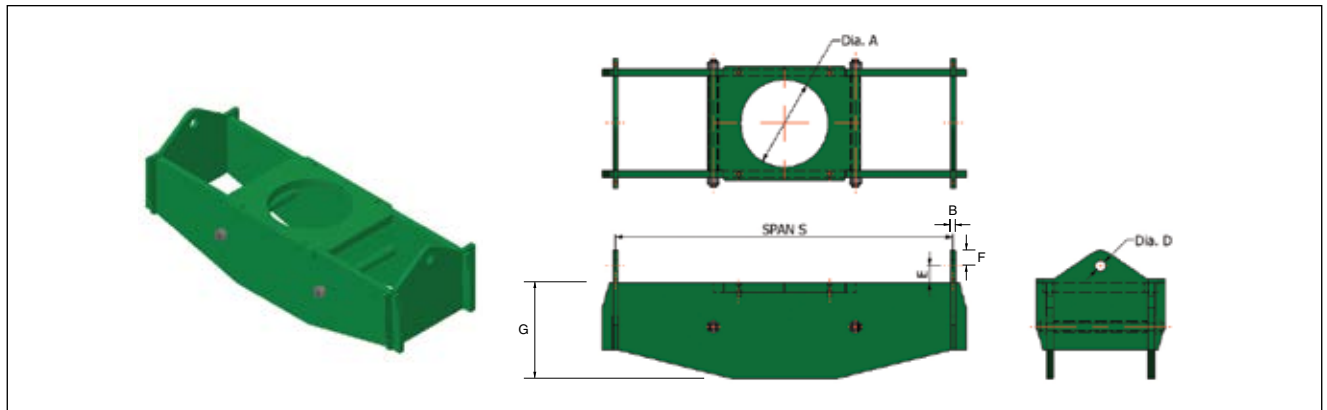
Part Number	Design Load kg	Max Temp.	NB	O/D	Dia. A	Span S (Min)	Span S (Max)	Dia. D	Gap C	B	F (at Min Span)	F (at Max Span)	Weight (at Min Span)	Weight (at Max Span)	Clamp Material
	kg	Deg. C	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	
128-2-300-D-T3	3260	600	300	323.9	330	650	1900	24	24	36	190	240	78.1	396.7	Alloy Steel
128-2-300-E-T3	4720	600	300	323.9	330	700	1450	30	28	45	210	250	108.6	329.2	Alloy Steel
128-2-300-F-T3	7500	600	300	323.9	330	800	1050	36	40	54	220	250	163.5	254.3	Alloy Steel
128-2-350-A-T3	760	600	350	355.6	362	600	1850	16	15	24	100	190	26.1	184.8	Alloy Steel
128-2-350-B-T3	1120	600	350	355.6	362	600	1850	16	17	24	140	200	36.3	226.2	Alloy Steel
128-2-350-C-T3	2080	600	350	355.6	362	650	1850	20	19	30	170	200	58.9	291.5	Alloy Steel
128-2-350-D-T3	3260	600	350	355.6	362	700	1850	24	24	36	200	230	88.6	374.1	Alloy Steel
128-2-350-E-T3	4720	600	350	355.6	362	750	1500	30	28	45	220	250	121.7	342.1	Alloy Steel
128-2-350-F-T3	7500	600	350	355.6	362	800	1050	36	40	54	210	240	158.4	247.1	Alloy Steel
128-2-400-A-T3	760	600	400	406.4	412	650	1850	16	15	24	110	190	31.3	187.1	Alloy Steel
128-2-400-B-T3	1120	600	400	406.4	412	650	1850	16	17	24	160	190	45.4	217.6	Alloy Steel
128-2-400-C-T3	2080	600	400	406.4	412	700	1850	20	19	30	180	250	67.7	328.7	Alloy Steel
128-2-400-D-T3	3260	600	400	406.4	412	750	1850	24	24	36	210	230	100.5	378.6	Alloy Steel
128-2-400-E-T3	4720	600	400	406.4	412	800	1550	30	28	45	230	250	137.1	357.0	Alloy Steel
128-2-400-F-T3	7500	600	400	406.4	412	900	1100	36	40	54	240	240	202.7	262.1	Alloy Steel
128-2-450-B-T3	1120	600	450	457.2	464	750	1800	16	17	24	110	180	44.3	203.9	Alloy Steel
128-2-450-C-T3	2080	600	450	457.2	464	750	1800	20	19	30	190	230	77.4	299.1	Alloy Steel
128-2-450-D-T3	3260	600	450	457.2	464	800	1800	24	24	36	210	210	108.2	341.8	Alloy Steel
128-2-450-E-T3	4720	600	450	457.2	464	850	1600	30	28	45	230	250	146.9	371.9	Alloy Steel
128-2-450-F-T3	7500	600	450	457.2	464	950	1150	36	40	54	240	240	215.6	276.2	Alloy Steel
128-2-500-B-T3	1120	600	500	508	516	800	1800	16	17	24	120	240	52.0	236.8	Alloy Steel
128-2-500-C-T3	2080	600	500	508	516	850	1800	20	19	30	140	220	76.7	289.9	Alloy Steel
128-2-500-D-T3	3260	600	500	508	516	850	1800	24	24	36	210	250	116.0	372.0	Alloy Steel
128-2-500-E-T3	4720	600	500	508	516	900	1650	30	28	45	230	250	156.8	387.1	Alloy Steel
128-2-500-F-T3	7500	600	500	508	516	1000	1250	36	40	54	240	250	228.7	312.5	Alloy Steel
128-1-15-O-T4	460	600	15	21.3	23	200	800	12	15	18	60	100	2.4	20.0	9% Cr Steel
128-1-20-O-T4	460	600	20	26.7	28	200	800	12	15	18	60	100	2.4	20.0	9% Cr Steel
128-1-25-O-T4	460	600	25	33.4	36	200	800	12	15	18	60	100	2.4	20.1	9% Cr Steel
128-1-32-O-T4	460	600	32	42.2	44	200	800	12	15	18	60	100	2.5	20.1	9% Cr Steel
128-1-40-O-T4	460	600	40	48.3	50	250	800	12	15	18	70	100	3.4	20.2	9% Cr Steel
128-1-50-O-T4	460	600	50	60.3	62	250	1000	12	15	18	70	70	3.5	23.3	9% Cr Steel
128-1-50-A-T4	760	600	50	60.3	62	250	1000	16	15	24	80	110	5.1	37.2	9% Cr Steel
128-1-50-B-T4	1120	600	50	60.3	62	250	1000	16	17	24	70	160	5.5	54.0	9% Cr Steel
128-1-65-O-T4	460	600	65	73	80	250	1000	12	15	18	60	70	3.2	23.6	9% Cr Steel
128-1-65-A-T4	760	600	65	73	80	300	1000	16	15	24	90	110	6.7	37.5	9% Cr Steel
128-1-65-B-T4	1120	600	65	73	80	300	1000	16	17	24	80	160	7.4	54.3	9% Cr Steel
128-1-80-O-T4	460	600	80	88.9	92	300	1000	12	15	18	80	80	4.8	27.0	9% Cr Steel
128-1-80-A-T4	760	600	80	88.9	92	300	1000	16	15	24	90	120	6.8	41.0	9% Cr Steel
128-1-80-B-T4	1120	600	80	88.9	92	300	1000	16	17	24	80	110	7.5	46.9	9% Cr Steel
128-2-100-O-T4	460	600	100	114.3	118	300	1200	12	15	18	80	90	5.0	36.3	9% Cr Steel
128-2-100-A-T4	760	600	100	114.3	118	300	1200	16	15	24	80	140	6.2	57.1	9% Cr Steel
128-2-100-B-T4	1120	600	100	114.3	118	350	1200	16	17	24	90	130	9.7	66.1	9% Cr Steel
128-2-100-C-T4	2080	600	100	114.3	118	350	1200	20	19	30	90	150	13.2	92.3	9% Cr Steel
128-2-125-O-T4	460	600	125	141.3	144	350	1200	12	15	18	80	90	5.8	36.7	9% Cr Steel
128-2-125-A-T4	760	600	125	141.3	144	350	1200	16	15	24	90	140	8.1	57.6	9% Cr Steel
128-2-125-B-T4	1120	600	125	141.3	144	350	1200	16	17	24	80	130	8.9	66.7	9% Cr Steel
128-2-125-C-T4	2080	600	125	141.3	144	400	1200	20	19	30	100	160	16.7	99.4	9% Cr Steel
128-2-150-O-T4	460	600	150	168.3	172	350	1200	12	15	18	80	90	6.0	37.1	9% Cr Steel
128-2-150-A-T4	760	600	150	168.3	172	400	1200	16	15	24	80	140	10.1	58.3	9% Cr Steel
128-2-150-B-T4	1120	600	150	168.3	172	400	1200	16	17	24	90	130	11.3	67.4	9% Cr Steel
128-2-150-C-T4	2080	600	150	168.3	172	450	1200	20	19	30	110	160	20.6	100.4	9% Cr Steel
128-2-150-D-T4	3260	600	150	168.3	172	450	1200	24	24	36	160	230	30.4	145.5	9% Cr Steel
128-2-200-A-T4	760	600	200	219.1	224	450	1500	16	15	24	80	110	11.5	71.1	9% Cr Steel
128-2-200-B-T4	1120	600	200	219.1	224	450	1500	16	17	24	100	160	14.5	103.5	9% Cr Steel
128-2-200-C-T4	2080	600	200	219.1	224	500	1500	20	19	30	110	190	23.2	148.2	9% Cr Steel
128-2-200-D-T4	3260	600	200	219.1	224	500	1500	24	24	36	160	210	34.2	192.4	9% Cr Steel
128-2-200-E-T4	4720	600	200	219.1	224	550	1500	30	28	45	170	220	50.3	233.0	9% Cr Steel
128-2-200-F-T4	7500	600	200	219.1	224	600	1500	36	40	54	200	220	76.9	293.4	9% Cr Steel
128-2-250-A-T4	760	600	250	273	278	500	1500	16	15	24	100	110	16.4	72.5	9% Cr Steel
128-2-250-B-T4	1120	600	250	273	278	500	1500	16	17	24	100	160	16.4	105.2	9% Cr Steel
128-2-250-C-T4	2080	600	250	273	278	550	1500	20	19	30	120	190	28.4	150.8	9% Cr Steel
128-2-250-D-T4	3260	600	250	273	278	600	1500	24	24	36	130	210	41.3	195.4	9% Cr Steel

RISER CLAMPS - FIG 128



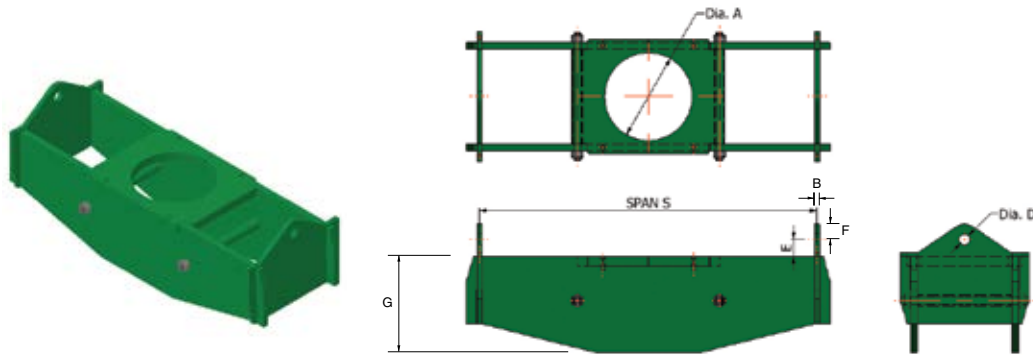
Part Number	Design Load kg	Max Temp. Deg.C	NB mm	O/D mm	Dia. A mm	Span S (Min) mm	Span S (Max) mm	Dia. D mm	Gap C mm	B mm	F (at Min Span) mm	F (at Max Span) mm	Weight (at Min Span) kg	Weight (at Max Span) kg	Clamp Material
	kg	Deg.C	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	
128-2-250-E-T4	4720	600	250	273	278	600	1500	30	28	45	170	220	55.4	236.4	9% Cr Steel
128-2-250-F-T4	7500	600	250	273	278	650	1500	36	40	54	210	210	88.2	284.4	9% Cr Steel
128-2-250-G-T4	10920	600	250	273	278	700	1300	42	45	63	230	250	121.7	303.4	9% Cr Steel
128-2-300-A-T4	760	600	300	323.9	330	550	1900	16	15	24	100	140	18.2	115.6	9% Cr Steel
128-2-300-B-T4	1120	600	300	323.9	330	550	1900	16	17	24	100	200	18.2	165.0	9% Cr Steel
128-2-300-C-T4	2080	600	300	323.9	330	600	1850	20	19	30	120	230	31.4	223.3	9% Cr Steel
128-2-300-D-T4	3260	600	300	323.9	330	650	1850	24	24	36	130	250	45.3	284.2	9% Cr Steel
128-2-300-E-T4	4720	600	300	323.9	330	650	1850	30	28	45	180	210	64.1	309.4	9% Cr Steel
128-2-300-F-T4	7500	600	300	323.9	330	750	1800	36	40	54	230	250	110.4	401.7	9% Cr Steel
128-2-300-G-T4	10920	600	300	323.9	330	800	1300	42	45	63	200	250	137.2	309.0	9% Cr Steel
128-2-300-H-T4	14960	600	300	323.9	330	850	1050	48	52	72	230	250	189.1	265.6	9% Cr Steel
128-2-350-A-T4	760	600	350	355.6	362	600	1850	16	15	24	100	130	19.8	105.8	9% Cr Steel
128-2-350-B-T4	1120	600	350	355.6	362	600	1850	16	17	24	110	190	21.7	154.3	9% Cr Steel
128-2-350-C-T4	2080	600	350	355.6	362	650	1850	20	19	30	120	230	33.9	225.2	9% Cr Steel
128-2-350-D-T4	3260	600	350	355.6	362	700	1850	24	24	36	150	250	56.4	286.7	9% Cr Steel
128-2-350-E-T4	4720	600	350	355.6	362	700	1850	30	28	45	190	210	72.9	311.8	9% Cr Steel
128-2-350-F-T4	7500	600	350	355.6	362	750	1800	36	40	54	220	250	107.4	405.5	9% Cr Steel
128-2-350-G-T4	10920	600	350	355.6	362	800	1350	42	45	63	250	250	152.3	321.7	9% Cr Steel
128-2-350-H-T4	14960	600	350	355.6	362	900	1050	48	52	72	240	240	208.0	258.1	9% Cr Steel
128-2-400-A-T4	760	600	400	406.4	412	650	1850	16	15	24	100	130	21.6	107.1	9% Cr Steel
128-2-400-B-T4	1120	600	400	406.4	412	650	1850	16	17	24	120	180	25.9	148.1	9% Cr Steel
128-2-400-C-T4	2080	600	400	406.4	412	700	1850	20	19	30	130	220	39.8	218.1	9% Cr Steel
128-2-400-D-T4	3260	600	400	406.4	412	750	1800	24	24	36	150	240	60.9	272.1	9% Cr Steel
128-2-400-E-T4	4720	600	400	406.4	412	750	1800	30	28	45	190	250	78.7	327.2	9% Cr Steel
128-2-400-F-T4	7500	600	400	406.4	412	850	1800	36	40	54	240	250	132.0	410.4	9% Cr Steel
128-2-400-G-T4	10920	600	400	406.4	412	900	1400	42	45	63	210	250	162.3	336.3	9% Cr Steel
128-2-400-H-T4	14960	600	400	406.4	412	950	1100	48	52	72	240	240	220.6	272.0	9% Cr Steel
128-2-450-B-T4	1120	600	450	457.2	464	750	1800	16	17	24	120	170	39.2	138.6	9% Cr Steel
128-2-450-C-T4	2080	600	450	457.2	464	750	1800	20	19	30	130	210	43.0	206.0	9% Cr Steel
128-2-450-D-T4	3260	600	450	457.2	464	800	1800	24	24	36	150	230	65.5	264.3	9% Cr Steel
128-2-450-E-T4	4720	600	450	457.2	464	850	1800	30	28	45	180	240	100.3	318.3	9% Cr Steel
128-2-450-F-T4	7500	600	450	457.2	464	900	1800	36	40	54	190	240	129.8	398.8	9% Cr Steel
128-2-450-G-T4	10920	600	450	457.2	464	950	1450	42	45	63	220	250	181.7	352.4	9% Cr Steel
128-2-500-B-T4	1120	600	500	508	516	800	1800	16	17	24	120	160	42.1	132.3	9% Cr Steel
128-2-500-C-T4	2080	600	500	508	516	800	1750	20	19	30	150	190	53.2	184.8	9% Cr Steel
128-2-500-D-T4	3260	600	500	508	516	850	1750	24	24	36	150	210	70.1	238.8	9% Cr Steel
128-2-500-E-T4	4720	600	500	508	516	900	1750	30	28	45	180	230	106.9	301.8	9% Cr Steel
128-2-500-F-T4	7500	600	500	508	516	950	1750	36	40	54	190	220	137.9	361.9	9% Cr Steel
128-2-500-G-T4	10920	600	500	508	516	1000	1500	42	45	63	220	250	192.3	367.3	9% Cr Steel

FLAT PLATE RISER CLAMP - FIG 129



Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-250-T0-B1	250	273	400	1120	490	1000	278	10	19	50	25	130	Carbon Steel	29	42
129-250-T0-B2	250	273	400	1120	1001	1500	278	10	19	50	25	130	Carbon Steel	42	54
129-250-T0-C1	250	273	400	2080	490	1000	278	12	27	80	35	130	Carbon Steel	32	45
129-250-T0-C2	250	273	400	2080	1001	1500	278	12	27	80	35	160	Carbon Steel	53	68
129-250-T0-D1	250	273	400	3260	490	1000	278	15	33	90	45	162	Carbon Steel	42	58
129-250-T0-D2	250	273	400	3260	1001	1500	278	15	33	90	45	212	Carbon Steel	88	115
129-250-T0-E1	250	273	400	4720	490	1000	278	15	39	110	65	215	Carbon Steel	63	91
129-250-T0-E2	250	273	400	4720	1001	1500	278	15	39	110	65	215	Carbon Steel	91	119
129-250-T0-F1	250	273	400	7500	510	1000	278	20	45	130	70	220	Carbon Steel	77	105
129-250-T0-F2	250	273	400	7500	1001	1500	278	20	45	130	70	270	Carbon Steel	144	188
129-250-T0-G1	250	273	400	10920	520	1000	278	20	52	150	85	275	Carbon Steel	109	151
129-250-T0-G2	250	273	400	10920	1001	1500	278	20	52	150	85	325	Carbon Steel	199	262
129-250-T0-H1	250	273	400	14960	530	1000	278	25	60	170	90	275	Carbon Steel	122	164
129-250-T0-H2	250	273	400	14960	1001	1500	278	25	60	170	90	325	Carbon Steel	213	276
129-300-T0-B1	300	323.9	400	1120	570	1000	330	10	19	50	25	130	Carbon Steel	35	45
129-300-T0-B2	300	323.9	400	1120	1001	1500	330	10	19	50	25	130	Carbon Steel	45	58
129-300-T0-C1	300	323.9	400	2080	570	1000	330	12	27	80	35	130	Carbon Steel	38	49
129-300-T0-C2	300	323.9	400	2080	1001	1500	330	12	27	80	35	160	Carbon Steel	57	73
129-300-T0-D1	300	323.9	400	3260	580	1000	330	15	33	90	45	162	Carbon Steel	50	64
129-300-T0-D2	300	323.9	400	3260	1001	1500	330	15	33	90	45	212	Carbon Steel	94	121
129-300-T0-E1	300	323.9	400	4720	580	1000	330	15	39	110	65	215	Carbon Steel	75	98
129-300-T0-E2	300	323.9	400	4720	1001	1500	330	15	39	110	65	215	Carbon Steel	99	126
129-300-T0-F1	300	323.9	400	7500	590	1000	330	20	45	130	70	220	Carbon Steel	92	115
129-300-T0-F2	300	323.9	400	7500	1001	1500	330	20	45	130	70	270	Carbon Steel	155	199
129-300-T0-G1	300	323.9	400	10920	600	1000	330	20	52	150	85	275	Carbon Steel	129	164
129-300-T0-G2	300	323.9	400	10920	1001	1500	330	20	52	150	85	275	Carbon Steel	164	208
129-300-T0-H1	300	323.9	400	14960	610	1000	330	25	60	170	90	275	Carbon Steel	143	178
129-300-T0-H2	300	323.9	400	14960	1001	1500	330	25	60	170	90	325	Carbon Steel	228	291
129-300-T0-I1	300	323.9	400	19640	630	1000	330	30	76	220	105	330	Carbon Steel	209	256
129-300-T0-I2	300	323.9	400	19640	1001	1500	330	30	76	220	105	380	Carbon Steel	317	403
129-350-T0-B1	350	355.6	400	1120	620	1000	362	10	19	50	25	130	Carbon Steel	38	48
129-350-T0-B2	350	355.6	400	1120	1001	1500	362	10	19	50	25	130	Carbon Steel	48	61
129-350-T0-C1	350	355.6	400	2080	620	1000	362	12	27	80	35	130	Carbon Steel	42	52
129-350-T0-C2	350	355.6	400	2080	1001	1500	362	12	27	80	35	160	Carbon Steel	60	76
129-350-T0-D1	350	355.6	400	3260	630	1000	362	15	33	90	45	162	Carbon Steel	56	67
129-350-T0-D2	350	355.6	400	3260	1001	1500	362	15	33	90	45	212	Carbon Steel	98	125
129-350-T0-E1	350	355.6	400	4720	630	1000	362	15	39	110	65	215	Carbon Steel	83	103
129-350-T0-E2	350	355.6	400	4720	1001	1500	362	15	39	110	65	215	Carbon Steel	103	131
129-350-T0-F1	350	355.6	400	7500	640	1000	362	20	45	130	70	220	Carbon Steel	101	121
129-350-T0-F2	350	355.6	400	7500	1001	1500	362	20	45	130	70	270	Carbon Steel	162	206
129-350-T0-G1	350	355.6	400	10920	660	1000	362	20	52	150	85	275	Carbon Steel	142	172
129-350-T0-G2	350	355.6	400	10920	1001	1500	362	20	52	150	85	275	Carbon Steel	172	216
129-350-T0-H1	350	355.6	400	14960	660	1000	362	25	60	170	90	275	Carbon Steel	157	187
129-350-T0-H2	350	355.6	400	14960	1001	1500	362	25	60	170	90	325	Carbon Steel	238	301
129-350-T0-I1	350	355.6	400	19640	680	1000	362	30	76	220	105	330	Carbon Steel	228	269
129-350-T0-I2	350	355.6	400	19640	1001	1500	362	30	76	220	105	380	Carbon Steel	330	416
129-350-T0-J1	350	355.6	400	27120	700	1000	362	30	85	240	120	330	Carbon Steel	237	275
129-350-T0-J2	350	355.6	400	27120	1001	1500	362	30	85	240	120	380	Carbon Steel	337	422

FLAT PLATE RISER CLAMP - FIG 129

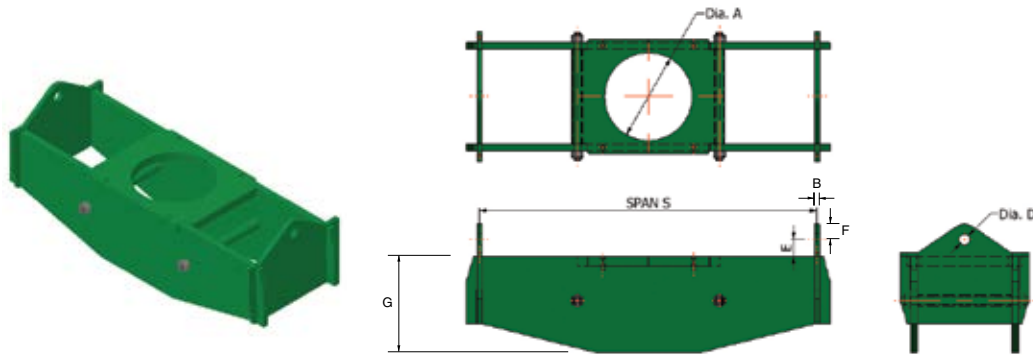


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-400-T0-B1	400	406.4	400	1120	700	1500	412	10	19	50	25	130	Carbon Steel	45	65
129-400-T0-B2	400	406.4	400	1120	1501	2000	412	10	19	50	25	130	Carbon Steel	65	77
129-400-T0-C1	400	406.4	400	2080	700	1500	412	12	27	80	35	160	Carbon Steel	56	81
129-400-T0-C2	400	406.4	400	2080	1501	2000	412	12	27	80	35	210	Carbon Steel	123	150
129-400-T0-D1	400	406.4	400	3260	710	1500	412	15	33	90	45	212	Carbon Steel	89	132
129-400-T0-D2	400	406.4	400	3260	1501	2000	412	15	33	90	45	212	Carbon Steel	132	160
129-400-T0-E1	400	406.4	400	4720	710	1500	412	15	39	110	65	215	Carbon Steel	95	139
129-400-T0-E2	400	406.4	400	4720	1501	2000	412	15	39	110	65	265	Carbon Steel	193	236
129-400-T0-F1	400	406.4	400	7500	720	1500	412	20	45	130	70	270	Carbon Steel	149	217
129-400-T0-F2	400	406.4	400	7500	1501	2000	412	20	45	130	70	270	Carbon Steel	217	261
129-400-T0-G1	400	406.4	400	10920	740	1500	412	20	52	150	85	275	Carbon Steel	162	229
129-400-T0-G2	400	406.4	400	10920	1501	2000	412	20	52	150	85	325	Carbon Steel	298	361
129-400-T0-H1	400	406.4	400	14960	740	1500	412	25	60	170	90	325	Carbon Steel	221	317
129-400-T0-H2	400	406.4	400	14960	1501	2000	412	25	60	170	90	375	Carbon Steel	399	484
129-400-T0-I1	400	406.4	400	19640	760	1500	412	30	76	220	105	330	Carbon Steel	258	353
129-400-T0-I2	400	406.4	400	19640	1501	2000	412	30	76	220	105	380	Carbon Steel	438	523
129-400-T0-J1	400	406.4	400	27120	780	1500	412	30	85	240	120	380	Carbon Steel	321	444
129-400-T0-J2	400	406.4	400	27120	1501	2000	412	30	85	240	120	430	Carbon Steel	541	652
129-400-T0-K1	400	406.4	400	35800	780	1500	412	35	85	240	120	435	Carbon Steel	412	574
129-400-T0-K2	400	406.4	400	35800	1501	2000	412	35	85	240	120	485	Carbon Steel	685	826
129-450-T0-B1	450	457.2	400	1120	770	1500	464	10	19	50	25	130	Carbon Steel	51	69
129-450-T0-B2	450	457.2	400	1120	1501	2000	464	10	19	50	25	130	Carbon Steel	69	82
129-450-T0-C1	450	457.2	400	2080	780	1500	464	12	27	80	35	160	Carbon Steel	63	86
129-450-T0-C2	450	457.2	400	2080	1501	2000	464	12	27	80	35	210	Carbon Steel	128	156
129-450-T0-D1	450	457.2	400	3260	780	1500	464	15	33	90	45	212	Carbon Steel	99	139
129-450-T0-D2	450	457.2	400	3260	1501	2000	464	15	33	90	45	212	Carbon Steel	139	167
129-450-T0-E1	450	457.2	400	4720	780	1500	464	15	39	110	65	215	Carbon Steel	107	147
129-450-T0-E2	450	457.2	400	4720	1501	2000	464	15	39	110	65	265	Carbon Steel	202	245
129-450-T0-F1	450	457.2	400	7500	800	1500	464	20	45	130	70	270	Carbon Steel	168	229
129-450-T0-F2	450	457.2	400	7500	1501	2000	464	20	45	130	70	270	Carbon Steel	229	272
129-450-T0-G1	450	457.2	400	10920	810	1500	464	20	52	150	85	275	Carbon Steel	182	243
129-450-T0-G2	450	457.2	400	10920	1501	2000	464	20	52	150	85	325	Carbon Steel	312	375
129-450-T0-H1	450	457.2	400	14960	810	1500	464	25	60	170	90	325	Carbon Steel	246	333
129-450-T0-H2	450	457.2	400	14960	1501	2000	464	25	60	170	90	375	Carbon Steel	417	502
129-450-T0-I1	450	457.2	400	19640	830	1500	464	30	76	220	105	330	Carbon Steel	288	373
129-450-T0-I2	450	457.2	400	19640	1501	2000	464	30	76	220	105	380	Carbon Steel	460	545
129-450-T0-J1	450	457.2	400	27120	850	1500	464	30	85	240	120	380	Carbon Steel	356	467
129-450-T0-J2	450	457.2	400	27120	1501	2000	464	30	85	240	120	430	Carbon Steel	565	676
129-450-T0-K1	450	457.2	400	35800	850	1500	464	35	85	240	120	435	Carbon Steel	455	601
129-450-T0-K2	450	457.2	400	35800	1501	2000	464	35	85	240	120	485	Carbon Steel	715	856
129-450-T0-L1	450	457.2	400	45480	880	1500	464	40	85	240	120	440	Carbon Steel	501	641
129-450-T0-L2	450	457.2	400	45480	1501	2000	464	40	85	240	120	490	Carbon Steel	758	900
129-500-T0-B1	500	508	400	1120	850	1500	516	10	19	50	25	130	Carbon Steel	57	74
129-500-T0-B2	500	508	400	1120	1501	2000	516	10	19	50	25	130	Carbon Steel	74	86
129-500-T0-C1	500	508	400	2080	850	1500	516	12	27	80	35	160	Carbon Steel	71	91
129-500-T0-C2	500	508	400	2080	1501	2000	516	12	27	80	35	210	Carbon Steel	134	162
129-500-T0-D1	500	508	400	3260	850	1500	516	15	33	90	45	212	Carbon Steel	110	146
129-500-T0-D2	500	508	400	3260	1501	2000	516	15	33	90	45	212	Carbon Steel	146	174

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-500-T0-E1	500	508	400	4720	850	1500	516	15	39	110	65	215	Carbon Steel	119	155
129-500-T0-E2	500	508	400	4720	1501	2000	516	15	39	110	65	265	Carbon Steel	211	254
129-500-T0-F1	500	508	400	7500	870	1500	516	20	45	130	70	270	Carbon Steel	186	241
129-500-T0-F2	500	508	400	7500	1501	2000	516	20	45	130	70	270	Carbon Steel	241	285
129-500-T0-G1	500	508	400	10920	880	1500	516	20	52	150	85	275	Carbon Steel	202	257
129-500-T0-G2	500	508	400	10920	1501	2000	516	20	52	150	85	325	Carbon Steel	328	390
129-500-T0-H1	500	508	400	14960	890	1500	516	25	60	170	90	325	Carbon Steel	273	350
129-500-T0-H2	500	508	400	14960	1501	2000	516	25	60	170	90	375	Carbon Steel	435	520
129-500-T0-I1	500	508	400	19640	900	1500	516	30	76	220	105	330	Carbon Steel	318	395
129-500-T0-I2	500	508	400	19640	1501	2000	516	30	76	220	105	380	Carbon Steel	482	568
129-500-T0-J1	500	508	400	27120	920	1500	516	30	85	240	120	380	Carbon Steel	391	491
129-500-T0-J2	500	508	400	27120	1501	2000	516	30	85	240	120	430	Carbon Steel	590	701
129-500-T0-K1	500	508	400	35800	930	1500	516	35	85	240	120	435	Carbon Steel	502	630
129-500-T0-K2	500	508	400	35800	1501	2000	516	35	85	240	120	485	Carbon Steel	745	886
129-500-T0-L1	500	508	400	45480	950	1500	516	40	85	240	120	440	Carbon Steel	550	674
129-500-T0-L2	500	508	400	45480	1501	2000	516	40	85	240	120	490	Carbon Steel	792	934
129-500-T0-M1	500	508	400	57200	950	1500	516	40	85	240	120	490	Carbon Steel	636	792
129-500-T0-M2	500	508	400	57200	1501	2000	516	40	85	240	120	540	Carbon Steel	922	1097
129-550-T0-C1	550	558.8	400	2080	930	1500	566	12	27	80	35	160	Carbon Steel	79	97
129-550-T0-C2	550	558.8	400	2080	1501	2000	566	12	27	80	35	210	Carbon Steel	141	168
129-550-T0-D1	550	558.8	400	3260	930	1500	566	15	33	90	45	212	Carbon Steel	122	154
129-550-T0-D2	550	558.8	400	3260	1501	2000	566	15	33	90	45	212	Carbon Steel	154	182
129-550-T0-E1	550	558.8	400	4720	930	1500	566	15	39	110	65	215	Carbon Steel	132	164
129-550-T0-E2	550	558.8	400	4720	1501	2000	566	15	39	110	65	265	Carbon Steel	221	264
129-550-T0-F1	550	558.8	400	7500	950	1500	566	20	45	130	70	270	Carbon Steel	206	254
129-550-T0-F2	550	558.8	400	7500	1501	2000	566	20	45	130	70	270	Carbon Steel	254	298
129-550-T0-G1	550	558.8	400	10920	960	1500	566	20	52	150	85	275	Carbon Steel	225	273
129-550-T0-G2	550	558.8	400	10920	1501	2000	566	20	52	150	85	325	Carbon Steel	344	407
129-550-T0-H1	550	558.8	400	14960	970	1500	566	25	60	170	90	325	Carbon Steel	302	368
129-550-T0-H2	550	558.8	400	14960	1501	2000	566	25	60	170	90	375	Carbon Steel	454	539
129-550-T0-I1	550	558.8	400	19640	980	1500	566	30	76	220	105	330	Carbon Steel	351	417
129-550-T0-I2	550	558.8	400	19640	1501	2000	566	30	76	220	105	380	Carbon Steel	506	592
129-550-T0-J1	550	558.8	400	27120	1000	1500	566	30	85	240	120	380	Carbon Steel	430	515
129-550-T0-J2	550	558.8	400	27120	1501	2000	566	30	85	240	120	430	Carbon Steel	616	727
129-550-T0-K1	550	558.8	400	35800	1010	1500	566	35	85	240	120	435	Carbon Steel	550	660
129-550-T0-K2	550	558.8	400	35800	1501	2000	566	35	85	240	120	485	Carbon Steel	776	917
129-550-T0-L1	550	558.8	400	45480	1030	1500	566	40	85	240	120	440	Carbon Steel	602	708
129-550-T0-L2	550	558.8	400	45480	1501	2000	566	40	85	240	120	490	Carbon Steel	828	970
129-550-T0-M1	550	558.8	400	57200	1030	1500	566	40	85	240	120	490	Carbon Steel	694	828
129-550-T0-M2	550	558.8	400	57200	1501	2000	566	40	85	240	120	540	Carbon Steel	960	1134
129-600-T0-C1	600	609.6	400	2080	1000	1500	618	12	27	80	35	160	Carbon Steel	87	103
129-600-T0-C2	600	609.6	400	2080	1501	2000	618	12	27	80	35	210	Carbon Steel	147	175
129-600-T0-D1	600	609.6	400	3260	1000	1500	618	15	33	90	45	212	Carbon Steel	134	162
129-600-T0-D2	600	609.6	400	3260	1501	2000	618	15	33	90	45	212	Carbon Steel	162	189
129-600-T0-E1	600	609.6	400	4720	1000	1500	618	15	39	110	65	215	Carbon Steel	145	173
129-600-T0-E2	600	609.6	400	4720	1501	2000	618	15	39	110	65	265	Carbon Steel	231	274
129-600-T0-F1	600	609.6	400	7500	1020	1500	618	20	45	130	70	270	Carbon Steel	225	267
129-600-T0-F2	600	609.6	400	7500	1501	2000	618	20	45	130	70	270	Carbon Steel	267	311
129-600-T0-G1	600	609.6	400	10920	1030	1500	618	20	52	150	85	275	Carbon Steel	247	288
129-600-T0-G2	600	609.6	400	10920	1501	2000	618	20	52	150	85	325	Carbon Steel	360	423
129-600-T0-H1	600	609.6	400	14960	1040	1500	618	25	60	170	90	325	Carbon Steel	329	387
129-600-T0-H2	600	609.6	400	14960	1501	2000	618	25	60	170	90	325	Carbon Steel	387	450
129-600-T0-I1	600	609.6	400	19640	1050	1500	618	30	76	220	105	330	Carbon Steel	383	441
129-600-T0-I2	600	609.6	400	19640	1501	2000	618	30	76	220	105	380	Carbon Steel	531	617
129-600-T0-J1	600	609.6	400	27120	1070	1500	618	30	85	240	120	380	Carbon Steel	467	541
129-600-T0-J2	600	609.6	400	27120	1501	2000	618	30	85	240	120	430	Carbon Steel	643	754
129-600-T0-K1	600	609.6	400	35800	1080	1500	618	35	85	240	120	435	Carbon Steel	596	690
129-600-T0-K2	600	609.6	400	35800	1501	2000	618	35	85	240	120	435	Carbon Steel	691	803
129-600-T0-L1	600	609.6	400	45480	1100	1500	618	40	85	240	120	440	Carbon Steel	652	743
129-600-T0-L2	600	609.6	400	45480	1501	2000	618	40	85	240	120	490	Carbon Steel	865	1007
129-600-T0-M1	600	609.6	400	57200	1100	1500	618	40	85	240	120	490	Carbon Steel	751	864
129-600-T0-M2	600	609.6	400	57200	1501	2000	618	40	85	240	120	540	Carbon Steel	998	1173
129-650-T0-C1	650	660.4	400	2080	1070	1500	670	12	27	80	35	160	Carbon Steel	96	109
129-650-T0-C2	650	660.4	400	2080	1501	2000	670	12	27	80	35	210	Carbon Steel	154	181

FLAT PLATE RISER CLAMP - FIG 129

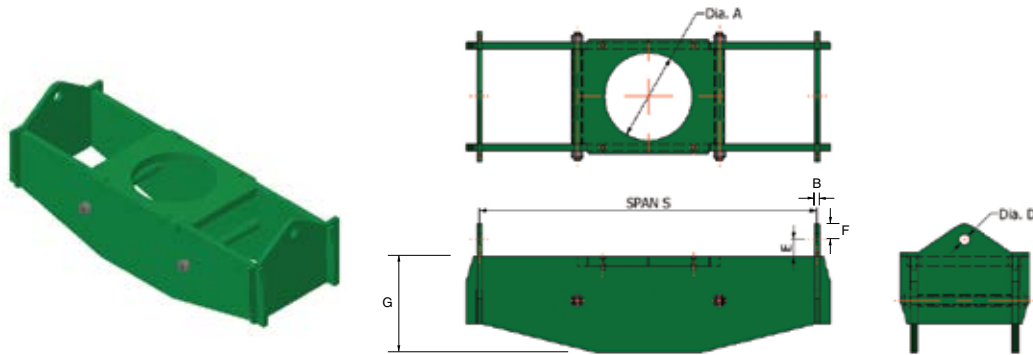


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-650-T0-D1	650	660.4	400	3260	1080	1500	670	15	33	90	45	212	Carbon Steel	147	170
129-650-T0-D2	650	660.4	400	3260	1501	2000	670	15	33	90	45	212	Carbon Steel	170	198
129-650-T0-E1	650	660.4	400	4720	1080	1500	670	15	39	110	65	215	Carbon Steel	159	183
129-650-T0-E2	650	660.4	400	4720	1501	2000	670	15	39	110	65	265	Carbon Steel	241	284
129-650-T0-F1	650	660.4	400	7500	1090	1500	670	20	45	130	70	270	Carbon Steel	245	281
129-650-T0-F2	650	660.4	400	7500	1501	2000	670	20	45	130	70	270	Carbon Steel	281	325
129-650-T0-G1	650	660.4	400	10920	1100	1500	670	20	52	150	85	275	Carbon Steel	269	304
129-650-T0-G2	650	660.4	400	10920	1501	2000	670	20	52	150	85	325	Carbon Steel	378	440
129-650-T0-H1	650	660.4	400	14960	1110	1500	670	25	60	170	90	325	Carbon Steel	357	406
129-650-T0-H2	650	660.4	400	14960	1501	2000	670	25	60	170	90	325	Carbon Steel	406	469
129-650-T0-I1	650	660.4	400	19640	1130	1500	670	30	76	220	105	330	Carbon Steel	417	464
129-650-T0-I2	650	660.4	400	19640	1501	2000	670	30	76	220	105	380	Carbon Steel	556	642
129-650-T0-J1	650	660.4	400	27120	1140	1500	670	30	85	240	120	380	Carbon Steel	505	567
129-650-T0-J2	650	660.4	400	27120	1501	2000	670	30	85	240	120	430	Carbon Steel	670	781
129-650-T0-K1	650	660.4	400	35800	1150	1500	670	35	85	240	120	435	Carbon Steel	643	722
129-650-T0-K2	650	660.4	400	35800	1501	2000	670	35	85	240	120	435	Carbon Steel	722	834
129-650-T0-L1	650	660.4	400	45480	1170	1500	670	40	85	240	120	440	Carbon Steel	704	778
129-650-T0-L2	650	660.4	400	45480	1501	2000	670	40	85	240	120	490	Carbon Steel	902	1044
129-650-T0-M1	650	660.4	400	57200	1170	1500	670	40	85	240	120	490	Carbon Steel	808	902
129-650-T0-M2	650	660.4	400	57200	1501	2000	670	40	85	240	120	540	Carbon Steel	1037	1212
129-700-T0-C1	700	711.2	400	2080	1140	1500	721	12	27	80	35	160	Carbon Steel	104	115
129-700-T0-C2	700	711.2	400	2080	1501	2000	721	12	27	80	35	210	Carbon Steel	161	188
129-700-T0-D1	700	711.2	400	3260	1150	1500	721	15	33	90	45	212	Carbon Steel	159	178
129-700-T0-D2	700	711.2	400	3260	1501	2000	721	15	33	90	45	212	Carbon Steel	178	206
129-700-T0-E1	700	711.2	400	4720	1150	1500	721	15	39	110	65	215	Carbon Steel	173	193
129-700-T0-E2	700	711.2	400	4720	1501	2000	721	15	39	110	65	265	Carbon Steel	252	295
129-700-T0-F1	700	711.2	400	7500	1160	1500	721	20	45	130	70	270	Carbon Steel	266	295
129-700-T0-F2	700	711.2	400	7500	1501	2000	721	20	45	130	70	270	Carbon Steel	295	339
129-700-T0-G1	700	711.2	400	10920	1180	1500	721	20	52	150	85	275	Carbon Steel	293	321
129-700-T0-G2	700	711.2	400	10920	1501	2000	721	20	52	150	85	325	Carbon Steel	395	458
129-700-T0-H1	700	711.2	400	14960	1180	1500	721	25	60	170	90	325	Carbon Steel	385	425
129-700-T0-H2	700	711.2	400	14960	1501	2000	721	25	60	170	90	325	Carbon Steel	425	488
129-700-T0-I1	700	711.2	400	19640	1200	1500	721	30	76	220	105	330	Carbon Steel	451	489
129-700-T0-I2	700	711.2	400	19640	1501	2000	721	30	76	220	105	380	Carbon Steel	582	667
129-700-T0-J1	700	711.2	400	27120	1220	1500	721	30	85	240	120	380	Carbon Steel	545	593
129-700-T0-J2	700	711.2	400	27120	1501	2000	721	30	85	240	120	430	Carbon Steel	698	809
129-700-T0-K1	700	711.2	400	35800	1220	1500	721	35	85	240	120	435	Carbon Steel	691	754
129-700-T0-K2	700	711.2	400	35800	1501	2000	721	35	85	240	120	435	Carbon Steel	754	866
129-700-T0-L1	700	711.2	400	45480	1240	1500	721	40	85	240	120	440	Carbon Steel	756	815
129-700-T0-L2	700	711.2	400	45480	1501	2000	721	40	85	240	120	490	Carbon Steel	940	1082
129-700-T0-M1	700	711.2	400	57200	1240	1500	721	40	85	240	120	490	Carbon Steel	866	940
129-700-T0-M2	700	711.2	400	57200	1501	2000	721	40	85	240	120	540	Carbon Steel	1077	1252
129-750-T0-D1	750	762	400	3260	1230	1500	773	15	33	90	45	212	Carbon Steel	173	188
129-750-T0-D2	750	762	400	3260	1501	2000	773	15	33	90	45	212	Carbon Steel	188	215
129-750-T0-E1	750	762	400	4720	1230	1500	773	15	39	110	65	215	Carbon Steel	189	204
129-750-T0-E2	750	762	400	4720	1501	2000	773	15	39	110	65	265	Carbon Steel	264	307
129-750-T0-F1	750	762	400	7500	1250	1500	773	20	45	130	70	270	Carbon Steel	289	311
129-750-T0-F2	750	762	400	7500	1501	2000	773	20	45	130	70	270	Carbon Steel	311	355

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-750-T0-G1	750	762	400	10920	1260	1500	773	20	52	150	85	275	Carbon Steel	319	340
129-750-T0-G2	750	762	400	10920	1501	2000	773	20	52	150	85	325	Carbon Steel	415	478
129-750-T0-H1	750	762	400	14960	1260	1500	773	25	60	170	90	325	Carbon Steel	417	447
129-750-T0-H2	750	762	400	14960	1501	2000	773	25	60	170	90	325	Carbon Steel	447	510
129-750-T0-I1	750	762	400	19640	1280	1500	773	30	76	220	105	330	Carbon Steel	488	516
129-750-T0-I2	750	762	400	19640	1501	2000	773	30	76	220	105	380	Carbon Steel	610	696
129-750-T0-J1	750	762	400	27120	1300	1500	773	30	85	240	120	380	Carbon Steel	588	622
129-750-T0-J2	750	762	400	27120	1501	2000	773	30	85	240	120	430	Carbon Steel	728	840
129-750-T0-K1	750	762	400	35800	1300	1500	773	35	85	240	120	385	Carbon Steel	644	679
129-750-T0-K2	750	762	400	35800	1501	2000	773	35	85	240	120	435	Carbon Steel	789	901
129-750-T0-L1	750	762	400	45480	1330	1500	773	40	85	240	120	440	Carbon Steel	817	855
129-750-T0-L2	750	762	400	45480	1501	2000	773	40	85	240	120	490	Carbon Steel	982	1124
129-750-T0-M1	750	762	400	57200	1330	1500	773	40	85	240	120	490	Carbon Steel	934	982
129-750-T0-M2	750	762	400	57200	1501	2000	773	40	85	240	120	540	Carbon Steel	1121	1295
129-800-T0-D1	800	812.8	400	3260	1300	1500	824	15	33	90	45	212	Carbon Steel	186	197
129-800-T0-D2	800	812.8	400	3260	1501	2000	824	15	33	90	45	212	Carbon Steel	197	224
129-800-T0-E1	800	812.8	400	4720	1300	1500	824	15	39	110	65	215	Carbon Steel	203	214
129-800-T0-E2	800	812.8	400	4720	1501	2000	824	15	39	110	65	215	Carbon Steel	214	242
129-800-T0-F1	800	812.8	400	7500	1320	1500	824	20	45	130	70	270	Carbon Steel	311	326
129-800-T0-F2	800	812.8	400	7500	1501	2000	824	20	45	130	70	270	Carbon Steel	326	370
129-800-T0-G1	800	812.8	400	10920	1330	1500	824	20	52	150	85	275	Carbon Steel	343	358
129-800-T0-G2	800	812.8	400	10920	1501	2000	824	20	52	150	85	325	Carbon Steel	434	497
129-800-T0-H1	800	812.8	400	14960	1330	1500	824	25	60	170	90	325	Carbon Steel	446	468
129-800-T0-H2	800	812.8	400	14960	1501	2000	824	25	60	170	90	325	Carbon Steel	468	531
129-800-T0-I1	800	812.8	400	19640	1350	1500	824	30	76	220	105	330	Carbon Steel	522	541
129-800-T0-I2	800	812.8	400	19640	1501	2000	824	30	76	220	105	380	Carbon Steel	637	723
129-800-T0-J1	800	812.8	400	27120	1370	1500	824	30	85	240	120	380	Carbon Steel	627	650
129-800-T0-J2	800	812.8	400	27120	1501	2000	824	30	85	240	120	430	Carbon Steel	757	869
129-800-T0-K1	800	812.8	400	35800	1370	1500	824	35	85	240	120	385	Carbon Steel	688	711
129-800-T0-K2	800	812.8	400	35800	1501	2000	824	35	85	240	120	435	Carbon Steel	823	935
129-800-T0-L1	800	812.8	400	45480	1400	1500	824	40	85	240	120	440	Carbon Steel	871	893
129-800-T0-L2	800	812.8	400	45480	1501	2000	824	40	85	240	120	490	Carbon Steel	1022	1164
129-800-T0-M1	800	812.8	400	57200	1400	1500	824	40	85	240	120	490	Carbon Steel	993	1022
129-800-T0-M2	800	812.8	400	57200	1501	2000	824	40	85	240	120	540	Carbon Steel	1163	1337
129-850-T0-D1	850	863.6	400	3260	1370	1750	872	15	33	90	45	212	Carbon Steel	198	219
129-850-T0-D2	850	863.6	400	3260	1751	2250	872	15	33	90	45	212	Carbon Steel	219	247
129-850-T0-E1	850	863.6	400	4720	1370	1750	872	15	39	110	65	215	Carbon Steel	217	239
129-850-T0-E2	850	863.6	400	4720	1751	2250	872	15	39	110	65	265	Carbon Steel	307	350
129-850-T0-F1	850	863.6	400	7500	1380	1750	872	20	45	130	70	270	Carbon Steel	331	363
129-850-T0-F2	850	863.6	400	7500	1751	2250	872	20	45	130	70	270	Carbon Steel	363	407
129-850-T0-G1	850	863.6	400	10920	1400	1750	872	20	52	150	85	275	Carbon Steel	366	397
129-850-T0-G2	850	863.6	400	10920	1751	2250	872	20	52	150	85	325	Carbon Steel	484	547
129-850-T0-H1	850	863.6	400	14960	1400	1750	872	25	60	170	90	325	Carbon Steel	475	519
129-850-T0-H2	850	863.6	400	14960	1751	2250	872	25	60	170	90	375	Carbon Steel	623	708
129-850-T0-I1	850	863.6	400	19640	1420	1750	872	30	76	220	105	380	Carbon Steel	650	706
129-850-T0-I2	850	863.6	400	19640	1751	2250	872	30	76	220	105	380	Carbon Steel	706	792
129-850-T0-J1	850	863.6	400	27120	1440	1750	872	30	85	240	120	380	Carbon Steel	667	720
129-850-T0-J2	850	863.6	400	27120	1751	2250	872	30	85	240	120	430	Carbon Steel	842	953
129-850-T0-K1	850	863.6	400	35800	1440	1750	872	35	85	240	120	435	Carbon Steel	842	911
129-850-T0-K2	850	863.6	400	35800	1751	2250	872	35	85	240	120	485	Carbon Steel	1051	1192
129-850-T0-L1	850	863.6	400	45480	1460	1750	872	40	85	240	120	440	Carbon Steel	921	987
129-850-T0-L2	850	863.6	400	45480	1751	2250	872	40	85	240	120	490	Carbon Steel	1132	1274
129-850-T0-M1	850	863.6	400	57200	1460	1750	872	40	85	240	120	490	Carbon Steel	1049	1132
129-850-T0-M2	850	863.6	400	57200	1751	2250	872	40	85	240	120	540	Carbon Steel	1291	1465
129-900-T0-D1	900	914.4	400	3260	1440	1750	926	15	33	90	45	212	Carbon Steel	212	229
129-900-T0-D2	900	914.4	400	3260	1751	2250	926	15	33	90	45	212	Carbon Steel	229	257
129-900-T0-E1	900	914.4	400	4720	1440	1750	926	15	39	110	65	215	Carbon Steel	233	250
129-900-T0-E2	900	914.4	400	4720	1751	2250	926	15	39	110	65	265	Carbon Steel	320	363
129-900-T0-F1	900	914.4	400	7500	1460	1750	926	20	45	130	70	270	Carbon Steel	354	380
129-900-T0-F2	900	914.4	400	7500	1751	2250	926	20	45	130	70	270	Carbon Steel	380	423
129-900-T0-G1	900	914.4	400	10920	1470	1750	926	20	52	150	85	275	Carbon Steel	393	417
129-900-T0-G2	900	914.4	400	10920	1751	2250	926	20	52	150	85	325	Carbon Steel	505	568
129-900-T0-H1	900	914.4	400	14960	1480	1750	926	25	60	170	90	325	Carbon Steel	508	542
129-900-T0-H2	900	914.4	400	14960	1751	2250	926	25	60	170	90	375	Carbon Steel	647	732

FLAT PLATE RISER CLAMP - FIG 129

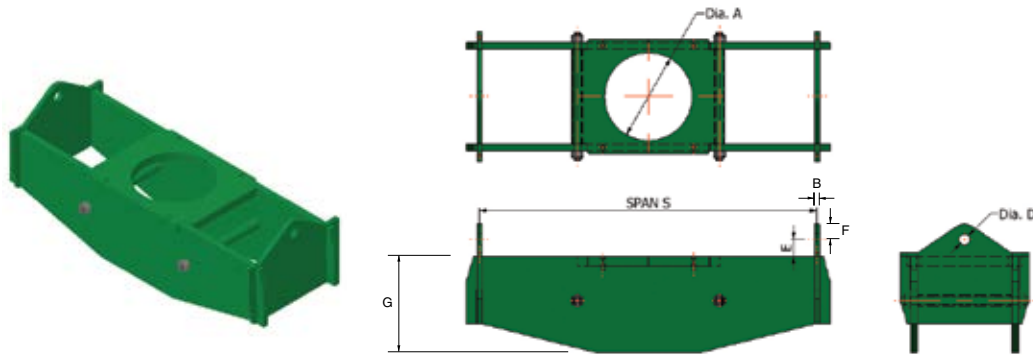


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-900-T0-I1	900	914.4	400	19640	1490	1750	926	30	76	220	105	330	Carbon Steel	594	627
129-900-T0-I2	900	914.4	400	19640	1751	2250	926	30	76	220	105	380	Carbon Steel	736	822
129-900-T0-J1	900	914.4	400	27120	1510	1750	926	30	85	240	120	380	Carbon Steel	709	751
129-900-T0-J2	900	914.4	400	27120	1751	2250	926	30	85	240	120	430	Carbon Steel	874	985
129-900-T0-K1	900	914.4	400	35800	1520	1750	926	35	85	240	120	435	Carbon Steel	897	948
129-900-T0-K2	900	914.4	400	35800	1751	2250	926	35	85	240	120	485	Carbon Steel	1090	1231
129-900-T0-L1	900	914.4	400	45480	1540	1750	926	40	85	240	120	440	Carbon Steel	982	1029
129-900-T0-L2	900	914.4	400	45480	1751	2250	926	40	85	240	120	490	Carbon Steel	1176	1318
129-900-T0-M1	900	914.4	400	57200	1540	1750	926	40	85	240	120	490	Carbon Steel	1116	1176
129-900-T0-M2	900	914.4	400	57200	1751	2250	926	40	85	240	120	540	Carbon Steel	1336	1511
129-950-T0-D1	950	965.2	400	3260	1510	1750	976	15	33	90	45	212	Carbon Steel	226	239
129-950-T0-D2	950	965.2	400	3260	1751	2250	976	15	33	90	45	212	Carbon Steel	239	266
129-950-T0-E1	950	965.2	400	4720	1510	1750	976	15	39	110	65	215	Carbon Steel	249	262
129-950-T0-E2	950	965.2	400	4720	1751	2250	976	15	39	110	65	265	Carbon Steel	332	375
129-950-T0-F1	950	965.2	400	7500	1530	1750	976	20	45	130	70	270	Carbon Steel	377	396
129-950-T0-F2	950	965.2	400	7500	1751	2250	976	20	45	130	70	270	Carbon Steel	396	440
129-950-T0-G1	950	965.2	400	10920	1540	1750	976	20	52	150	85	275	Carbon Steel	418	437
129-950-T0-G2	950	965.2	400	10920	1751	2250	976	20	52	150	85	325	Carbon Steel	525	588
129-950-T0-H1	950	965.2	400	14960	1550	1750	976	25	60	170	90	325	Carbon Steel	539	564
129-950-T0-H2	950	965.2	400	14960	1751	2250	976	25	60	170	90	375	Carbon Steel	670	755
129-950-T0-I1	950	965.2	400	19640	1560	1750	976	30	76	220	105	330	Carbon Steel	630	655
129-950-T0-I2	950	965.2	400	19640	1751	2250	976	30	76	220	105	380	Carbon Steel	765	851
129-950-T0-J1	950	965.2	400	27120	1580	1750	976	30	85	240	120	380	Carbon Steel	751	780
129-950-T0-J2	950	965.2	400	27120	1751	2250	976	30	85	240	120	430	Carbon Steel	905	1016
129-950-T0-K1	950	965.2	400	35800	1590	1750	976	35	85	240	120	435	Carbon Steel	948	984
129-950-T0-K2	950	965.2	400	35800	1751	2250	976	35	85	240	120	485	Carbon Steel	1127	1268
129-950-T0-L1	950	965.2	400	45480	1610	1750	976	40	85	240	120	440	Carbon Steel	1038	1070
129-950-T0-L2	950	965.2	400	45480	1751	2250	976	40	85	240	120	490	Carbon Steel	1218	1360
129-950-T0-M1	950	965.2	400	57200	1610	1750	976	40	85	240	120	490	Carbon Steel	1178	1218
129-950-T0-M2	950	965.2	400	57200	1751	2250	976	40	85	240	120	540	Carbon Steel	1380	1555
129-1000-T0-D1	1000	1016	400	3260	1580	1750	1026	15	33	90	45	212	Carbon Steel	239	249
129-1000-T0-D2	1000	1016	400	3260	1751	2250	1026	15	33	90	45	212	Carbon Steel	249	276
129-1000-T0-E1	1000	1016	400	4720	1580	1750	1026	15	39	110	65	215	Carbon Steel	264	274
129-1000-T0-E2	1000	1016	400	4720	1751	2250	1026	15	39	110	65	265	Carbon Steel	345	388
129-1000-T0-F1	1000	1016	400	7500	1600	1750	1026	20	45	130	70	270	Carbon Steel	400	413
129-1000-T0-F2	1000	1016	400	7500	1751	2250	1026	20	45	130	70	270	Carbon Steel	413	457
129-1000-T0-G1	1000	1016	400	10920	1610	1750	1026	20	52	150	85	275	Carbon Steel	444	457
129-1000-T0-G2	1000	1016	400	10920	1751	2250	1026	20	52	150	85	325	Carbon Steel	546	609
129-1000-T0-H1	1000	1016	400	14960	1620	1750	1026	25	60	170	90	325	Carbon Steel	571	587
129-1000-T0-H2	1000	1016	400	14960	1751	2250	1026	25	60	170	90	375	Carbon Steel	694	779
129-1000-T0-I1	1000	1016	400	19640	1630	1750	1026	30	76	220	105	330	Carbon Steel	668	683
129-1000-T0-I2	1000	1016	400	19640	1751	2250	1026	30	76	220	105	380	Carbon Steel	795	880
129-1000-T0-J1	1000	1016	400	27120	1650	1750	1026	30	85	240	120	380	Carbon Steel	793	810
129-1000-T0-J2	1000	1016	400	27120	1751	2250	1026	30	85	240	120	430	Carbon Steel	936	1047
129-1000-T0-K1	1000	1016	400	35800	1660	1750	1026	35	85	240	120	435	Carbon Steel	1000	1020
129-1000-T0-K2	1000	1016	400	35800	1751	2250	1026	35	85	240	120	485	Carbon Steel	1165	1306
129-1000-T0-L1	1000	1016	400	45480	1680	1750	1026	40	85	240	120	440	Carbon Steel	1095	1111
129-1000-T0-L2	1000	1016	400	45480	1751	2250	1026	40	85	240	120	490	Carbon Steel	1261	1403

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-1000-T0-M1	1000	1016	400	57200	1680	1750	1026	40	85	240	120	490	Carbon Steel	1241	1261
129-1000-T0-M2	1000	1016	400	57200	1751	2250	1026	40	85	240	120	540	Carbon Steel	1425	1600
129-250-T1-B1	250	273	450	1120	490	1000	278	10	19	50	25	130	Alloy Steel	29	42
129-250-T1-B2	250	273	450	1120	1001	1500	278	10	19	50	25	130	Alloy Steel	42	54
129-250-T1-C1	250	273	450	2080	490	1000	278	12	27	80	35	130	Alloy Steel	32	45
129-250-T1-C2	250	273	450	2080	1001	1500	278	12	27	80	35	160	Alloy Steel	53	68
129-250-T1-D1	250	273	450	3260	490	1000	278	15	33	90	45	162	Alloy Steel	42	58
129-250-T1-D2	250	273	450	3260	1001	1500	278	15	33	90	45	212	Alloy Steel	88	115
129-250-T1-E1	250	273	450	4720	490	1000	278	15	39	110	65	215	Alloy Steel	63	91
129-250-T1-E2	250	273	450	4720	1001	1500	278	15	39	110	65	215	Alloy Steel	91	119
129-250-T1-F1	250	273	450	7500	510	1000	278	20	45	130	70	220	Alloy Steel	77	105
129-250-T1-F2	250	273	450	7500	1001	1500	278	20	45	130	70	270	Alloy Steel	144	188
129-250-T1-G1	250	273	450	10920	520	1000	278	20	52	150	85	275	Alloy Steel	109	151
129-250-T1-G2	250	273	450	10920	1001	1500	278	20	52	150	85	275	Alloy Steel	152	196
129-250-T1-H1	250	273	450	14960	530	1000	278	25	60	170	90	275	Alloy Steel	122	164
129-250-T1-H2	250	273	450	14960	1001	1500	278	25	60	170	90	325	Alloy Steel	213	276
129-300-T1-B1	300	323.9	450	1120	570	1000	330	10	19	50	25	130	Alloy Steel	35	45
129-300-T1-B2	300	323.9	450	1120	1001	1500	330	10	19	50	25	130	Alloy Steel	45	58
129-300-T1-C1	300	323.9	450	2080	570	1000	330	12	27	80	35	130	Alloy Steel	38	49
129-300-T1-C2	300	323.9	450	2080	1001	1500	330	12	27	80	35	160	Alloy Steel	57	73
129-300-T1-D1	300	323.9	450	3260	580	1000	330	15	33	90	45	162	Alloy Steel	50	64
129-300-T1-D2	300	323.9	450	3260	1001	1500	330	15	33	90	45	212	Alloy Steel	94	121
129-300-T1-E1	300	323.9	450	4720	580	1000	330	15	39	110	65	215	Alloy Steel	75	98
129-300-T1-E2	300	323.9	450	4720	1001	1500	330	15	39	110	65	215	Alloy Steel	99	126
129-300-T1-F1	300	323.9	450	7500	590	1000	330	20	45	130	70	220	Alloy Steel	92	115
129-300-T1-F2	300	323.9	450	7500	1001	1500	330	20	45	130	70	270	Alloy Steel	155	199
129-300-T1-G1	300	323.9	450	10920	600	1000	330	20	52	150	85	275	Alloy Steel	129	164
129-300-T1-G2	300	323.9	450	10920	1001	1500	330	20	52	150	85	275	Alloy Steel	164	208
129-300-T1-H1	300	323.9	450	14960	610	1000	330	25	60	170	90	275	Alloy Steel	143	178
129-300-T1-H2	300	323.9	450	14960	1001	1500	330	25	60	170	90	325	Alloy Steel	228	291
129-300-T1-I1	300	323.9	450	19640	620	1000	330	25	76	220	105	280	Alloy Steel	157	191
129-300-T1-I2	300	323.9	450	19640	1001	1500	330	30	76	220	105	330	Alloy Steel	257	320
129-350-T1-B1	350	355.6	450	1120	620	1000	362	10	19	50	25	130	Alloy Steel	38	48
129-350-T1-B2	350	355.6	450	1120	1001	1500	362	10	19	50	25	130	Alloy Steel	48	61
129-350-T1-C1	350	355.6	450	2080	620	1000	362	12	27	80	35	130	Alloy Steel	42	52
129-350-T1-C2	350	355.6	450	2080	1001	1500	362	12	27	80	35	160	Alloy Steel	60	76
129-350-T1-D1	350	355.6	450	3260	630	1000	362	15	33	90	45	162	Alloy Steel	56	67
129-350-T1-D2	350	355.6	450	3260	1001	1500	362	15	33	90	45	212	Alloy Steel	98	125
129-350-T1-E1	350	355.6	450	4720	630	1000	362	15	39	110	65	215	Alloy Steel	83	103
129-350-T1-E2	350	355.6	450	4720	1001	1500	362	15	39	110	65	215	Alloy Steel	103	131
129-350-T1-F1	350	355.6	450	7500	640	1000	362	20	45	130	70	220	Alloy Steel	101	121
129-350-T1-F2	350	355.6	450	7500	1001	1500	362	20	45	130	70	270	Alloy Steel	162	206
129-350-T1-G1	350	355.6	450	10920	660	1000	362	20	52	150	85	275	Alloy Steel	142	172
129-350-T1-G2	350	355.6	450	10920	1001	1500	362	20	52	150	85	275	Alloy Steel	172	216
129-350-T1-H1	350	355.6	450	14960	660	1000	362	25	60	170	90	275	Alloy Steel	157	187
129-350-T1-H2	350	355.6	450	14960	1001	1500	362	25	60	170	90	325	Alloy Steel	238	301
129-350-T1-I1	350	355.6	450	19640	670	1000	362	25	76	220	105	280	Alloy Steel	172	202
129-350-T1-I2	350	355.6	450	19640	1001	1500	362	30	76	220	105	330	Alloy Steel	269	332
129-350-T1-J1	350	355.6	450	27120	700	1000	362	30	85	240	120	330	Alloy Steel	237	275
129-350-T1-J2	350	355.6	450	27120	1001	1500	362	30	85	240	120	380	Alloy Steel	337	422
129-400-T1-B1	400	406.4	450	1120	700	1500	412	10	19	50	25	130	Alloy Steel	45	65
129-400-T1-B2	400	406.4	450	1120	1501	2000	412	10	19	50	25	130	Alloy Steel	65	77
129-400-T1-C1	400	406.4	450	2080	700	1500	412	12	27	80	35	160	Alloy Steel	56	81
129-400-T1-C2	400	406.4	450	2080	1501	2000	412	12	27	80	35	210	Alloy Steel	123	150
129-400-T1-D1	400	406.4	450	3260	710	1500	412	15	33	90	45	212	Alloy Steel	89	132
129-400-T1-D2	400	406.4	450	3260	1501	2000	412	15	33	90	45	212	Alloy Steel	132	160
129-400-T1-E1	400	406.4	450	4720	710	1500	412	15	39	110	65	215	Alloy Steel	95	139
129-400-T1-E2	400	406.4	450	4720	1501	2000	412	15	39	110	65	215	Alloy Steel	139	167
129-400-T1-F1	400	406.4	450	7500	720	1500	412	20	45	130	70	270	Alloy Steel	149	217
129-400-T1-F2	400	406.4	450	7500	1501	2000	412	20	45	130	70	270	Alloy Steel	217	261
129-400-T1-G1	400	406.4	450	10920	740	1500	412	20	52	150	85	275	Alloy Steel	162	229
129-400-T1-G2	400	406.4	450	10920	1501	2000	412	20	52	150	85	325	Alloy Steel	298	361
129-400-T1-H1	400	406.4	450	14960	740	1500	412	25	60	170	90	325	Alloy Steel	221	317
129-400-T1-H2	400	406.4	450	14960	1501	2000	412	25	60	170	90	325	Alloy Steel	317	380

FLAT PLATE RISER CLAMP - FIG 129

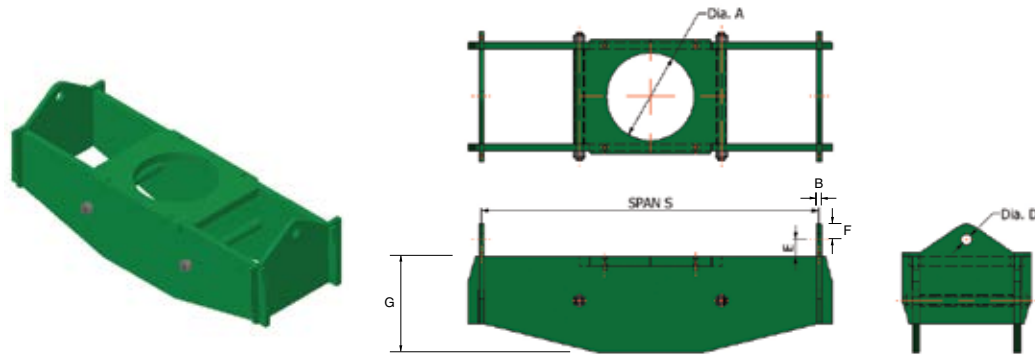


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-400-T1-I1	400	406.4	450	19640	760	1500	412	30	76	220	105	330	Alloy Steel	258	353
129-400-T1-I2	400	406.4	450	19640	1501	2000	412	30	76	220	105	380	Alloy Steel	438	523
129-400-T1-J1	400	406.4	450	27120	780	1500	412	30	85	240	120	380	Alloy Steel	321	444
129-400-T1-J2	400	406.4	450	27120	1501	2000	412	30	85	240	120	430	Alloy Steel	541	652
129-400-T1-K1	400	406.4	450	35800	780	1500	412	35	85	240	120	435	Alloy Steel	412	574
129-400-T1-K2	400	406.4	450	35800	1501	2000	412	35	85	240	120	435	Alloy Steel	574	686
129-450-T1-B1	450	457.2	450	1120	770	1500	464	10	19	50	25	130	Alloy Steel	51	69
129-450-T1-B2	450	457.2	450	1120	1501	2000	464	10	19	50	25	130	Alloy Steel	69	82
129-450-T1-C1	450	457.2	450	2080	780	1500	464	12	27	80	35	160	Alloy Steel	63	86
129-450-T1-C2	450	457.2	450	2080	1501	2000	464	12	27	80	35	210	Alloy Steel	128	156
129-450-T1-D1	450	457.2	450	3260	780	1500	464	15	33	90	45	212	Alloy Steel	99	139
129-450-T1-D2	450	457.2	450	3260	1501	2000	464	15	33	90	45	212	Alloy Steel	139	167
129-450-T1-E1	450	457.2	450	4720	780	1500	464	15	39	110	65	215	Alloy Steel	107	147
129-450-T1-E2	450	457.2	450	4720	1501	2000	464	15	39	110	65	215	Alloy Steel	147	175
129-450-T1-F1	450	457.2	450	7500	800	1500	464	20	45	130	70	270	Alloy Steel	168	229
129-450-T1-F2	450	457.2	450	7500	1501	2000	464	20	45	130	70	270	Alloy Steel	229	272
129-450-T1-G1	450	457.2	450	10920	810	1500	464	20	52	150	85	275	Alloy Steel	182	243
129-450-T1-G2	450	457.2	450	10920	1501	2000	464	20	52	150	85	325	Alloy Steel	312	375
129-450-T1-H1	450	457.2	450	14960	810	1500	464	25	60	170	90	325	Alloy Steel	246	333
129-450-T1-H2	450	457.2	450	14960	1501	2000	464	25	60	170	90	325	Alloy Steel	333	396
129-450-T1-I1	450	457.2	450	19640	830	1500	464	30	76	220	105	330	Alloy Steel	288	373
129-450-T1-I2	450	457.2	450	19640	1501	2000	464	30	76	220	105	380	Alloy Steel	460	545
129-450-T1-J1	450	457.2	450	27120	850	1500	464	30	85	240	120	380	Alloy Steel	356	467
129-450-T1-J2	450	457.2	450	27120	1501	2000	464	30	85	240	120	430	Alloy Steel	565	676
129-450-T1-K1	450	457.2	450	35800	850	1500	464	35	85	240	120	385	Alloy Steel	388	500
129-450-T1-K2	450	457.2	450	35800	1501	2000	464	35	85	240	120	435	Alloy Steel	602	714
129-450-T1-L1	450	457.2	450	45480	880	1500	464	40	85	240	120	435	Alloy Steel	492	631
129-450-T1-L2	450	457.2	450	45480	1501	2000	464	40	85	240	120	485	Alloy Steel	747	888
129-500-T1-B1	500	508	450	1120	850	1500	516	10	19	50	25	130	Alloy Steel	57	74
129-500-T1-B2	500	508	450	1120	1501	2000	516	10	19	50	25	130	Alloy Steel	74	86
129-500-T1-C1	500	508	450	2080	850	1500	516	12	27	80	35	160	Alloy Steel	71	91
129-500-T1-C2	500	508	450	2080	1501	2000	516	12	27	80	35	210	Alloy Steel	134	162
129-500-T1-D1	500	508	450	3260	850	1500	516	15	33	90	45	212	Alloy Steel	110	146
129-500-T1-D2	500	508	450	3260	1501	2000	516	15	33	90	45	212	Alloy Steel	146	174
129-500-T1-E1	500	508	450	4720	850	1500	516	15	39	110	65	215	Alloy Steel	119	155
129-500-T1-E2	500	508	450	4720	1501	2000	516	15	39	110	65	215	Alloy Steel	155	183
129-500-T1-F1	500	508	450	7500	870	1500	516	20	45	130	70	270	Alloy Steel	186	241
129-500-T1-F2	500	508	450	7500	1501	2000	516	20	45	130	70	270	Alloy Steel	241	285
129-500-T1-G1	500	508	450	10920	880	1500	516	20	52	150	85	275	Alloy Steel	202	257
129-500-T1-G2	500	508	450	10920	1501	2000	516	20	52	150	85	325	Alloy Steel	328	390
129-500-T1-H1	500	508	450	14960	890	1500	516	25	60	170	90	325	Alloy Steel	273	350
129-500-T1-H2	500	508	450	14960	1501	2000	516	25	60	170	90	325	Alloy Steel	350	413
129-500-T1-I1	500	508	450	19640	900	1500	516	30	76	220	105	330	Alloy Steel	318	395
129-500-T1-I2	500	508	450	19640	1501	2000	516	30	76	220	105	380	Alloy Steel	482	568
129-500-T1-J1	500	508	450	27120	920	1500	516	30	85	240	120	380	Alloy Steel	391	491
129-500-T1-J2	500	508	450	27120	1501	2000	516	30	85	240	120	430	Alloy Steel	590	701
129-500-T1-K1	500	508	450	35800	930	1500	516	35	85	240	120	385	Alloy Steel	429	527
129-500-T1-K2	500	508	450	35800	1501	2000	516	35	85	240	120	435	Alloy Steel	630	742

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-500-T1-L1	500	508	450	45480	950	1500	516	40	85	240	120	435	Alloy Steel	538	662
129-500-T1-L2	500	508	450	45480	1501	2000	516	40	85	240	120	485	Alloy Steel	780	921
129-500-T1-M1	500	508	450	57200	950	1500	516	40	85	240	120	490	Alloy Steel	636	792
129-500-T1-M2	500	508	450	57200	1501	2000	516	40	85	240	120	540	Alloy Steel	922	1097
129-550-T1-C1	550	558.8	450	2080	930	1500	566	12	27	80	35	160	Alloy Steel	79	97
129-550-T1-C2	550	558.8	450	2080	1501	2000	566	12	27	80	35	160	Alloy Steel	97	113
129-550-T1-D1	550	558.8	450	3260	930	1500	566	15	33	90	45	212	Alloy Steel	122	154
129-550-T1-D2	550	558.8	450	3260	1501	2000	566	15	33	90	45	212	Alloy Steel	154	182
129-550-T1-E1	550	558.8	450	4720	930	1500	566	15	39	110	65	215	Alloy Steel	132	164
129-550-T1-E2	550	558.8	450	4720	1501	2000	566	15	39	110	65	215	Alloy Steel	164	192
129-550-T1-F1	550	558.8	450	7500	950	1500	566	20	45	130	70	270	Alloy Steel	206	254
129-550-T1-F2	550	558.8	450	7500	1501	2000	566	20	45	130	70	270	Alloy Steel	254	298
129-550-T1-G1	550	558.8	450	10920	960	1500	566	20	52	150	85	275	Alloy Steel	225	273
129-550-T1-G2	550	558.8	450	10920	1501	2000	566	20	52	150	85	325	Alloy Steel	344	407
129-550-T1-H1	550	558.8	450	14960	970	1500	566	25	60	170	90	325	Alloy Steel	302	368
129-550-T1-H2	550	558.8	450	14960	1501	2000	566	25	60	170	90	325	Alloy Steel	368	431
129-550-T1-I1	550	558.8	450	19640	980	1500	566	30	76	220	105	330	Alloy Steel	351	417
129-550-T1-I2	550	558.8	450	19640	1501	2000	566	30	76	220	105	380	Alloy Steel	506	592
129-550-T1-J1	550	558.8	450	27120	1000	1500	566	30	85	240	120	380	Alloy Steel	430	515
129-550-T1-J2	550	558.8	450	27120	1501	2000	566	30	85	240	120	430	Alloy Steel	616	727
129-550-T1-K1	550	558.8	450	35800	1010	1500	566	35	85	240	120	385	Alloy Steel	471	556
129-550-T1-K2	550	558.8	450	35800	1501	2000	566	35	85	240	120	435	Alloy Steel	660	772
129-550-T1-L1	550	558.8	450	45480	1030	1500	566	40	85	240	120	435	Alloy Steel	589	694
129-550-T1-L2	550	558.8	450	45480	1501	2000	566	40	85	240	120	485	Alloy Steel	814	955
129-550-T1-M1	550	558.8	450	57200	1030	1500	566	40	85	240	120	490	Alloy Steel	694	828
129-550-T1-M2	550	558.8	450	57200	1501	2000	566	40	85	240	120	540	Alloy Steel	960	1134
129-600-T1-C1	600	609.6	450	2080	1000	1500	618	12	27	80	35	160	Alloy Steel	87	103
129-600-T1-C2	600	609.6	450	2080	1501	2000	618	12	27	80	35	160	Alloy Steel	103	119
129-600-T1-D1	600	609.6	450	3260	1000	1500	618	15	33	90	45	212	Alloy Steel	134	162
129-600-T1-D2	600	609.6	450	3260	1501	2000	618	15	33	90	45	212	Alloy Steel	162	189
129-600-T1-E1	600	609.6	450	4720	1000	1500	618	15	39	110	65	215	Alloy Steel	145	173
129-600-T1-E2	600	609.6	450	4720	1501	2000	618	15	39	110	65	215	Alloy Steel	173	201
129-600-T1-F1	600	609.6	450	7500	1020	1500	618	20	45	130	70	270	Alloy Steel	225	267
129-600-T1-F2	600	609.6	450	7500	1501	2000	618	20	45	130	70	270	Alloy Steel	267	311
129-600-T1-G1	600	609.6	450	10920	1030	1500	618	20	52	150	85	275	Alloy Steel	247	288
129-600-T1-G2	600	609.6	450	10920	1501	2000	618	20	52	150	85	325	Alloy Steel	360	423
129-600-T1-H1	600	609.6	450	14960	1040	1500	618	25	60	170	90	325	Alloy Steel	329	387
129-600-T1-H2	600	609.6	450	14960	1501	2000	618	25	60	170	90	325	Alloy Steel	387	450
129-600-T1-I1	600	609.6	450	19640	1050	1500	618	30	76	220	105	330	Alloy Steel	383	441
129-600-T1-I2	600	609.6	450	19640	1501	2000	618	30	76	220	105	380	Alloy Steel	531	617
129-600-T1-J1	600	609.6	450	27120	1070	1500	618	30	85	240	120	380	Alloy Steel	467	541
129-600-T1-J2	600	609.6	450	27120	1501	2000	618	30	85	240	120	430	Alloy Steel	643	754
129-600-T1-K1	600	609.6	450	35800	1080	1500	618	35	85	240	120	385	Alloy Steel	512	585
129-600-T1-K2	600	609.6	450	35800	1501	2000	618	35	85	240	120	435	Alloy Steel	691	803
129-600-T1-L1	600	609.6	450	45480	1100	1500	618	40	85	240	120	435	Alloy Steel	637	727
129-600-T1-L2	600	609.6	450	45480	1501	2000	618	40	85	240	120	485	Alloy Steel	848	989
129-600-T1-M1	600	609.6	450	57200	1100	1500	618	40	85	240	120	440	Alloy Steel	652	743
129-600-T1-M2	600	609.6	450	57200	1501	2000	618	40	85	240	120	490	Alloy Steel	865	1007
129-650-T1-C1	650	660.4	450	2080	1070	1500	670	12	27	80	35	160	Alloy Steel	96	109
129-650-T1-C2	650	660.4	450	2080	1501	2000	670	12	27	80	35	160	Alloy Steel	109	125
129-650-T1-D1	650	660.4	450	3260	1080	1500	670	15	33	90	45	212	Alloy Steel	147	170
129-650-T1-D2	650	660.4	450	3260	1501	2000	670	15	33	90	45	212	Alloy Steel	170	198
129-650-T1-E1	650	660.4	450	4720	1080	1500	670	15	39	110	65	215	Alloy Steel	159	183
129-650-T1-E2	650	660.4	450	4720	1501	2000	670	15	39	110	65	215	Alloy Steel	183	211
129-650-T1-F1	650	660.4	450	7500	1090	1500	670	20	45	130	70	270	Alloy Steel	245	281
129-650-T1-F2	650	660.4	450	7500	1501	2000	670	20	45	130	70	270	Alloy Steel	281	325
129-650-T1-G1	650	660.4	450	10920	1100	1500	670	20	52	150	85	275	Alloy Steel	269	304
129-650-T1-G2	650	660.4	450	10920	1501	2000	670	20	52	150	85	325	Alloy Steel	378	440
129-650-T1-H1	650	660.4	450	14960	1110	1500	670	25	60	170	90	325	Alloy Steel	357	406
129-650-T1-H2	650	660.4	450	14960	1501	2000	670	25	60	170	90	325	Alloy Steel	406	469
129-650-T1-I1	650	660.4	450	19640	1130	1500	670	30	76	220	105	330	Alloy Steel	417	464
129-650-T1-I2	650	660.4	450	19640	1501	2000	670	30	76	220	105	380	Alloy Steel	556	642
129-650-T1-J1	650	660.4	450	27120	1140	1500	670	30	85	240	120	380	Alloy Steel	505	567
129-650-T1-J2	650	660.4	450	27120	1501	2000	670	30	85	240	120	380	Alloy Steel	567	652

FLAT PLATE RISER CLAMP - FIG 129

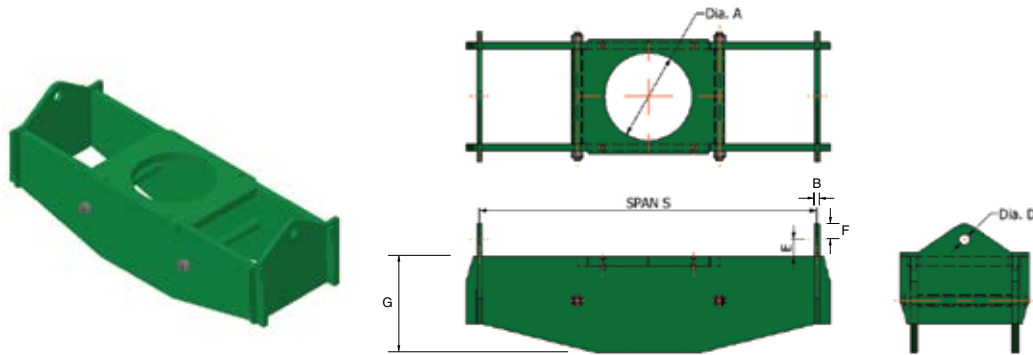


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-650-T1-K1	650	660.4	450	35800	1150	1500	670	35	85	240	120	385	Alloy Steel	554	615
129-650-T1-K2	650	660.4	450	35800	1501	2000	670	35	85	240	120	435	Alloy Steel	722	834
129-650-T1-L1	650	660.4	450	45480	1170	1500	670	40	85	240	120	435	Alloy Steel	687	761
129-650-T1-L2	650	660.4	450	45480	1501	2000	670	40	85	240	120	485	Alloy Steel	884	1025
129-650-T1-M1	650	660.4	450	57200	1170	1500	670	40	85	240	120	440	Alloy Steel	704	778
129-650-T1-M2	650	660.4	450	57200	1501	2000	670	40	85	240	120	490	Alloy Steel	902	1044
129-700-T1-C1	700	711.2	450	2080	1140	1500	721	12	27	80	35	160	Alloy Steel	104	115
129-700-T1-C2	700	711.2	450	2080	1501	2000	721	12	27	80	35	160	Alloy Steel	115	131
129-700-T1-D1	700	711.2	450	3260	1150	1500	721	15	33	90	45	212	Alloy Steel	159	178
129-700-T1-D2	700	711.2	450	3260	1501	2000	721	15	33	90	45	212	Alloy Steel	178	206
129-700-T1-E1	700	711.2	450	4720	1150	1500	721	15	39	110	65	215	Alloy Steel	173	193
129-700-T1-E2	700	711.2	450	4720	1501	2000	721	15	39	110	65	215	Alloy Steel	193	221
129-700-T1-F1	700	711.2	450	7500	1160	1500	721	20	45	130	70	270	Alloy Steel	266	295
129-700-T1-F2	700	711.2	450	7500	1501	2000	721	20	45	130	70	270	Alloy Steel	295	339
129-700-T1-G1	700	711.2	450	10920	1180	1500	721	20	52	150	85	275	Alloy Steel	293	321
129-700-T1-G2	700	711.2	450	10920	1501	2000	721	20	52	150	85	325	Alloy Steel	395	458
129-700-T1-H1	700	711.2	450	14960	1180	1500	721	25	60	170	90	325	Alloy Steel	385	425
129-700-T1-H2	700	711.2	450	14960	1501	2000	721	25	60	170	90	325	Alloy Steel	425	488
129-700-T1-I1	700	711.2	450	19640	1200	1500	721	30	76	220	105	330	Alloy Steel	451	489
129-700-T1-I2	700	711.2	450	19640	1501	2000	721	30	76	220	105	380	Alloy Steel	582	667
129-700-T1-J1	700	711.2	450	27120	1220	1500	721	30	85	240	120	380	Alloy Steel	545	593
129-700-T1-J2	700	711.2	450	27120	1501	2000	721	30	85	240	120	380	Alloy Steel	593	679
129-700-T1-K1	700	711.2	450	35800	1220	1500	721	35	85	240	120	385	Alloy Steel	597	645
129-700-T1-K2	700	711.2	450	35800	1501	2000	721	35	85	240	120	435	Alloy Steel	754	866
129-700-T1-L1	700	711.2	450	45480	1240	1500	721	40	85	240	120	435	Alloy Steel	736	795
129-700-T1-L2	700	711.2	450	45480	1501	2000	721	40	85	240	120	485	Alloy Steel	920	1061
129-700-T1-M1	700	711.2	450	57200	1240	1500	721	40	85	240	120	440	Alloy Steel	756	815
129-700-T1-M2	700	711.2	450	57200	1501	2000	721	40	85	240	120	490	Alloy Steel	940	1082
129-750-T1-D1	750	762	450	3260	1230	1500	773	15	33	90	45	212	Alloy Steel	173	188
129-750-T1-D2	750	762	450	3260	1501	2000	773	15	33	90	45	212	Alloy Steel	188	215
129-750-T1-E1	750	762	450	4720	1230	1500	773	15	39	110	65	215	Alloy Steel	189	204
129-750-T1-E2	750	762	450	4720	1501	2000	773	15	39	110	65	215	Alloy Steel	204	232
129-750-T1-F1	750	762	450	7500	1250	1500	773	20	45	130	70	220	Alloy Steel	234	248
129-750-T1-F2	750	762	450	7500	1501	2000	773	20	45	130	70	270	Alloy Steel	311	355
129-750-T1-G1	750	762	450	10920	1260	1500	773	20	52	150	85	275	Alloy Steel	319	340
129-750-T1-G2	750	762	450	10920	1501	2000	773	20	52	150	85	325	Alloy Steel	415	478
129-750-T1-H1	750	762	450	14960	1260	1500	773	25	60	170	90	325	Alloy Steel	417	447
129-750-T1-H2	750	762	450	14960	1501	2000	773	25	60	170	90	325	Alloy Steel	447	510
129-750-T1-I1	750	762	450	19640	1280	1500	773	30	76	220	105	330	Alloy Steel	488	516
129-750-T1-I2	750	762	450	19640	1501	2000	773	30	76	220	105	380	Alloy Steel	610	696
129-750-T1-J1	750	762	450	27120	1300	1500	773	30	85	240	120	380	Alloy Steel	588	622
129-750-T1-J2	750	762	450	27120	1501	2000	773	30	85	240	120	380	Alloy Steel	622	708
129-750-T1-K1	750	762	450	35800	1300	1500	773	35	85	240	120	385	Alloy Steel	644	679
129-750-T1-K2	750	762	450	35800	1501	2000	773	35	85	240	120	435	Alloy Steel	789	901
129-750-T1-L1	750	762	450	45480	1330	1500	773	40	85	240	120	435	Alloy Steel	795	833
129-750-T1-L2	750	762	450	45480	1501	2000	773	40	85	240	120	485	Alloy Steel	959	1100
129-750-T1-M1	750	762	450	57200	1330	1500	773	40	85	240	120	440	Alloy Steel	817	855
129-750-T1-M2	750	762	450	57200	1501	2000	773	40	85	240	120	490	Alloy Steel	982	1124

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-800-T1-D1	800	812.8	450	3260	1300	1500	824	15	33	90	45	162	Alloy Steel	142	148
129-800-T1-D2	800	812.8	450	3260	1501	2000	824	15	33	90	45	212	Alloy Steel	197	224
129-800-T1-E1	800	812.8	450	4720	1300	1500	824	15	39	110	65	215	Alloy Steel	203	214
129-800-T1-E2	800	812.8	450	4720	1501	2000	824	15	39	110	65	215	Alloy Steel	214	242
129-800-T1-F1	800	812.8	450	7500	1320	1500	824	20	45	130	70	220	Alloy Steel	252	262
129-800-T1-F2	800	812.8	450	7500	1501	2000	824	20	45	130	70	270	Alloy Steel	326	370
129-800-T1-G1	800	812.8	450	10920	1330	1500	824	20	52	150	85	275	Alloy Steel	343	358
129-800-T1-G2	800	812.8	450	10920	1501	2000	824	20	52	150	85	325	Alloy Steel	434	497
129-800-T1-H1	800	812.8	450	14960	1330	1500	824	25	60	170	90	275	Alloy Steel	373	388
129-800-T1-H2	800	812.8	450	14960	1501	2000	824	25	60	170	90	325	Alloy Steel	468	531
129-800-T1-I1	800	812.8	450	19640	1350	1500	824	30	76	220	105	330	Alloy Steel	522	541
129-800-T1-I2	800	812.8	450	19640	1501	2000	824	30	76	220	105	380	Alloy Steel	637	723
129-800-T1-J1	800	812.8	450	27120	1370	1500	824	30	85	240	120	380	Alloy Steel	627	650
129-800-T1-J2	800	812.8	450	27120	1501	2000	824	30	85	240	120	380	Alloy Steel	650	736
129-800-T1-K1	800	812.8	450	35800	1370	1500	824	35	85	240	120	385	Alloy Steel	688	711
129-800-T1-K2	800	812.8	450	35800	1501	2000	824	35	85	240	120	435	Alloy Steel	823	935
129-800-T1-L1	800	812.8	450	45480	1400	1500	824	40	85	240	120	435	Alloy Steel	846	868
129-800-T1-L2	800	812.8	450	45480	1501	2000	824	40	85	240	120	485	Alloy Steel	997	1138
129-800-T1-M1	800	812.8	450	57200	1400	1500	824	40	85	240	120	440	Alloy Steel	871	893
129-800-T1-M2	800	812.8	450	57200	1501	2000	824	40	85	240	120	490	Alloy Steel	1022	1164
129-850-T1-D1	850	863.6	450	3260	1370	1750	872	15	33	90	45	212	Alloy Steel	198	219
129-850-T1-D2	850	863.6	450	3260	1751	2250	872	15	33	90	45	212	Alloy Steel	219	247
129-850-T1-E1	850	863.6	450	4720	1370	1750	872	15	39	110	65	215	Alloy Steel	217	239
129-850-T1-E2	850	863.6	450	4720	1751	2250	872	15	39	110	65	265	Alloy Steel	307	350
129-850-T1-F1	850	863.6	450	7500	1380	1750	872	20	45	130	70	270	Alloy Steel	331	363
129-850-T1-F2	850	863.6	450	7500	1751	2250	872	20	45	130	70	270	Alloy Steel	363	407
129-850-T1-G1	850	863.6	450	10920	1400	1750	872	20	52	150	85	275	Alloy Steel	366	397
129-850-T1-G2	850	863.6	450	10920	1751	2250	872	20	52	150	85	325	Alloy Steel	484	547
129-850-T1-H1	850	863.6	450	14960	1400	1750	872	25	60	170	90	325	Alloy Steel	475	519
129-850-T1-H2	850	863.6	450	14960	1751	2250	872	25	60	170	90	325	Alloy Steel	519	582
129-850-T1-I1	850	863.6	450	19640	1420	1750	872	30	76	220	105	330	Alloy Steel	557	598
129-850-T1-I2	850	863.6	450	19640	1751	2250	872	30	76	220	105	380	Alloy Steel	706	792
129-850-T1-J1	850	863.6	450	27120	1440	1750	872	30	85	240	120	380	Alloy Steel	667	720
129-850-T1-J2	850	863.6	450	27120	1751	2250	872	30	85	240	120	430	Alloy Steel	842	953
129-850-T1-K1	850	863.6	450	35800	1440	1750	872	35	85	240	120	435	Alloy Steel	842	911
129-850-T1-K2	850	863.6	450	35800	1751	2250	872	35	85	240	120	435	Alloy Steel	911	1023
129-850-T1-L1	850	863.6	450	45480	1460	1750	872	40	85	240	120	435	Alloy Steel	894	960
129-850-T1-L2	850	863.6	450	45480	1751	2250	872	40	85	240	120	485	Alloy Steel	1104	1245
129-850-T1-M1	850	863.6	450	57200	1460	1750	872	40	85	240	120	490	Alloy Steel	1049	1132
129-850-T1-M2	850	863.6	450	57200	1751	2250	872	40	85	240	120	540	Alloy Steel	1291	1465
129-900-T1-D1	900	914.4	450	3260	1440	1750	926	15	33	90	45	212	Alloy Steel	212	229
129-900-T1-D2	900	914.4	450	3260	1751	2250	926	15	33	90	45	212	Alloy Steel	229	257
129-900-T1-E1	900	914.4	450	4720	1440	1750	926	15	39	110	65	215	Alloy Steel	233	250
129-900-T1-E2	900	914.4	450	4720	1751	2250	926	15	39	110	65	215	Alloy Steel	251	278
129-900-T1-F1	900	914.4	450	7500	1460	1750	926	20	45	130	70	270	Alloy Steel	354	380
129-900-T1-F2	900	914.4	450	7500	1751	2250	926	20	45	130	70	270	Alloy Steel	380	423
129-900-T1-G1	900	914.4	450	10920	1470	1750	926	20	52	150	85	275	Alloy Steel	393	417
129-900-T1-G2	900	914.4	450	10920	1751	2250	926	20	52	150	85	325	Alloy Steel	505	568
129-900-T1-H1	900	914.4	450	14960	1480	1750	926	25	60	170	90	325	Alloy Steel	508	542
129-900-T1-H2	900	914.4	450	14960	1751	2250	926	25	60	170	90	325	Alloy Steel	542	605
129-900-T1-I1	900	914.4	450	19640	1490	1750	926	30	76	220	105	330	Alloy Steel	594	627
129-900-T1-I2	900	914.4	450	19640	1751	2250	926	30	76	220	105	380	Alloy Steel	736	822
129-900-T1-J1	900	914.4	450	27120	1510	1750	926	30	85	240	120	380	Alloy Steel	709	751
129-900-T1-J2	900	914.4	450	27120	1751	2250	926	30	85	240	120	430	Alloy Steel	874	985
129-900-T1-K1	900	914.4	450	35800	1520	1750	926	35	85	240	120	435	Alloy Steel	897	948
129-900-T1-K2	900	914.4	450	35800	1751	2250	926	35	85	240	120	435	Alloy Steel	948	1060
129-900-T1-L1	900	914.4	450	45480	1540	1750	926	40	85	240	120	435	Alloy Steel	952	999
129-900-T1-L2	900	914.4	450	45480	1751	2250	926	40	85	240	120	485	Alloy Steel	1145	1286
129-900-T1-M1	900	914.4	450	57200	1540	1750	926	40	85	240	120	490	Alloy Steel	1116	1176
129-900-T1-M2	900	914.4	450	57200	1751	2250	926	40	85	240	120	540	Alloy Steel	1336	1511
129-950-T1-D1	950	965.2	450	3260	1510	1750	976	15	33	90	45	212	Alloy Steel	226	239
129-950-T1-D2	950	965.2	450	3260	1751	2250	976	15	33	90	45	212	Alloy Steel	239	266
129-950-T1-E1	950	965.2	450	4720	1510	1750	976	15	39	110	65	215	Alloy Steel	249	262
129-950-T1-E2	950	965.2	450	4720	1751	2250	976	15	39	110	65	215	Alloy Steel	262	290

FLAT PLATE RISER CLAMP - FIG 129

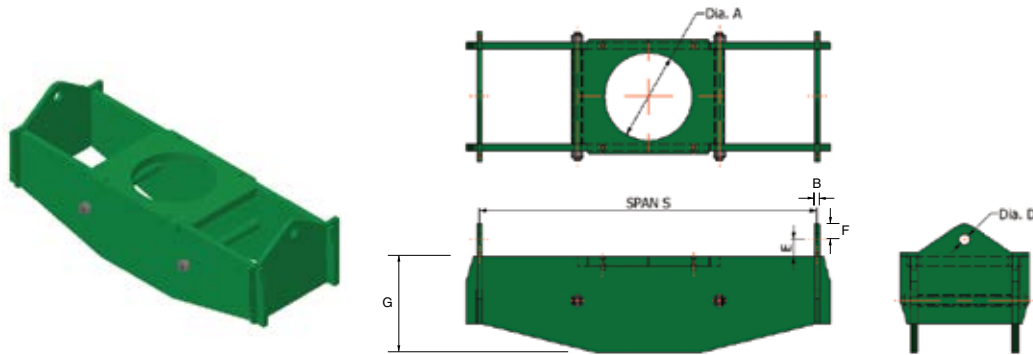


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-950-T1-F1	950	965.2	450	7500	1530	1750	976	20	45	130	70	270	Alloy Steel	377	396
129-950-T1-F2	950	965.2	450	7500	1751	2250	976	20	45	130	70	270	Alloy Steel	396	440
129-950-T1-G1	950	965.2	450	10920	1540	1750	976	20	52	150	85	275	Alloy Steel	418	437
129-950-T1-G2	950	965.2	450	10920	1751	2250	976	20	52	150	85	325	Alloy Steel	525	588
129-950-T1-H1	950	965.2	450	14960	1550	1750	976	25	60	170	90	325	Alloy Steel	539	564
129-950-T1-H2	950	965.2	450	14960	1751	2250	976	25	60	170	90	325	Alloy Steel	564	627
129-950-T1-I1	950	965.2	450	19640	1560	1750	976	30	76	220	105	330	Alloy Steel	630	655
129-950-T1-I2	950	965.2	450	19640	1751	2250	976	30	76	220	105	380	Alloy Steel	765	851
129-950-T1-J1	950	965.2	450	27120	1580	1750	976	30	85	240	120	380	Alloy Steel	751	780
129-950-T1-J2	950	965.2	450	27120	1751	2250	976	30	85	240	120	430	Alloy Steel	905	1016
129-950-T1-K1	950	965.2	450	35800	1590	1750	976	35	85	240	120	385	Alloy Steel	827	855
129-950-T1-K2	950	965.2	450	35800	1751	2250	976	35	85	240	120	435	Alloy Steel	984	1096
129-950-T1-L1	950	965.2	450	45480	1610	1750	976	40	85	240	120	435	Alloy Steel	1005	1037
129-950-T1-L2	950	965.2	450	45480	1751	2250	976	40	85	240	120	485	Alloy Steel	1185	1326
129-950-T1-M1	950	965.2	450	57200	1610	1750	976	40	85	240	120	490	Alloy Steel	1178	1218
129-950-T1-M2	950	965.2	450	57200	1751	2250	976	40	85	240	120	540	Alloy Steel	1380	1555
129-1000-T1-D1	1000	1016	450	3260	1580	1750	1026	15	33	90	45	212	Alloy Steel	239	249
129-1000-T1-D2	1000	1016	450	3260	1751	2250	1026	15	33	90	45	212	Alloy Steel	249	276
129-1000-T1-E1	1000	1016	450	4720	1580	1750	1026	15	39	110	65	215	Alloy Steel	264	274
129-1000-T1-E2	1000	1016	450	4720	1751	2250	1026	15	39	110	65	215	Alloy Steel	274	302
129-1000-T1-F1	1000	1016	450	7500	1600	1750	1026	20	45	130	70	270	Alloy Steel	400	413
129-1000-T1-F2	1000	1016	450	7500	1751	2250	1026	20	45	130	70	270	Alloy Steel	413	457
129-1000-T1-G1	1000	1016	450	10920	1610	1750	1026	20	52	150	85	275	Alloy Steel	444	457
129-1000-T1-G2	1000	1016	450	10920	1751	2250	1026	20	52	150	85	325	Alloy Steel	546	609
129-1000-T1-H1	1000	1016	450	14960	1620	1750	1026	25	60	170	90	325	Alloy Steel	571	587
129-1000-T1-H2	1000	1016	450	14960	1751	2250	1026	25	60	170	90	325	Alloy Steel	587	650
129-1000-T1-I1	1000	1016	450	19640	1630	1750	1026	30	76	220	105	330	Alloy Steel	668	683
129-1000-T1-I2	1000	1016	450	19640	1751	2250	1026	30	76	220	105	380	Alloy Steel	795	880
129-1000-T1-J1	1000	1016	450	27120	1650	1750	1026	30	85	240	120	380	Alloy Steel	793	810
129-1000-T1-J2	1000	1016	450	27120	1751	2250	1026	30	85	240	120	430	Alloy Steel	936	1047
129-1000-T1-K1	1000	1016	450	35800	1660	1750	1026	35	85	240	120	385	Alloy Steel	874	890
129-1000-T1-K2	1000	1016	450	35800	1751	2250	1026	35	85	240	120	435	Alloy Steel	1020	1132
129-1000-T1-L1	1000	1016	450	45480	1680	1750	1026	40	85	240	120	435	Alloy Steel	1060	1076
129-1000-T1-L2	1000	1016	450	45480	1751	2250	1026	40	85	240	120	485	Alloy Steel	1225	1366
129-1000-T1-M1	1000	1016	450	57200	1680	1750	1026	40	85	240	120	490	Alloy Steel	1241	1261
129-1000-T1-M2	1000	1016	450	57200	1751	2250	1026	40	85	240	120	540	Alloy Steel	1425	1600
129-250-T2-B1	250	273	550	1120	490	1000	278	10	19	50	25	130	Alloy Steel	29	42
129-250-T2-B2	250	273	550	1120	1001	1500	278	10	19	50	25	160	Alloy Steel	49	65
129-250-T2-C1	250	273	550	2080	490	1000	278	12	27	80	35	162	Alloy Steel	38	54
129-250-T2-C2	250	273	550	2080	1001	1500	278	12	27	80	35	212	Alloy Steel	83	110
129-250-T2-D1	250	273	550	3260	490	1000	278	15	33	90	45	215	Alloy Steel	61	90
129-250-T2-D2	250	273	550	3260	1001	1500	278	15	33	90	45	215	Alloy Steel	90	118
129-250-T2-E1	250	273	550	4720	490	1000	278	15	39	110	65	220	Alloy Steel	66	95
129-250-T2-E2	250	273	550	4720	1001	1500	278	15	39	110	65	270	Alloy Steel	133	176
129-250-T2-F1	250	273	550	7500	510	1000	278	20	45	130	70	275	Alloy Steel	105	149
129-250-T2-F2	250	273	550	7500	1001	1500	278	20	45	130	70	325	Alloy Steel	196	259
129-250-T2-G1	250	273	550	10920	520	1000	278	20	52	150	85	330	Alloy Steel	142	203
129-250-T2-G2	250	273	550	10920	1001	1500	278	20	52	150	85	330	Alloy Steel	203	267

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-250-T2-H1	250	273	550	14960	530	1000	278	25	60	170	90	335	Alloy Steel	161	222
129-250-T2-H2	250	273	550	14960	1001	1500	278	25	60	170	90	385	Alloy Steel	279	366
129-300-T2-B1	300	323.9	550	1120	570	1000	330	10	19	50	25	130	Alloy Steel	35	45
129-300-T2-B2	300	323.9	550	1120	1001	1500	330	10	19	50	25	160	Alloy Steel	53	69
129-300-T2-C1	300	323.9	550	2080	570	1000	330	12	27	80	35	162	Alloy Steel	46	59
129-300-T2-C2	300	323.9	550	2080	1001	1500	330	12	27	80	35	212	Alloy Steel	88	116
129-300-T2-D1	300	323.9	550	3260	580	1000	330	15	33	90	45	215	Alloy Steel	73	97
129-300-T2-D2	300	323.9	550	3260	1001	1500	330	15	33	90	45	215	Alloy Steel	97	125
129-300-T2-E1	300	323.9	550	4720	580	1000	330	15	39	110	65	220	Alloy Steel	80	104
129-300-T2-E2	300	323.9	550	4720	1001	1500	330	15	39	110	65	270	Alloy Steel	142	186
129-300-T2-F1	300	323.9	550	7500	590	1000	330	20	45	130	70	275	Alloy Steel	124	160
129-300-T2-F2	300	323.9	550	7500	1001	1500	330	20	45	130	70	325	Alloy Steel	209	271
129-300-T2-G1	300	323.9	550	10920	600	1000	330	20	52	150	85	330	Alloy Steel	167	218
129-300-T2-G2	300	323.9	550	10920	1001	1500	330	20	52	150	85	330	Alloy Steel	218	281
129-300-T2-H1	300	323.9	550	14960	610	1000	330	25	60	170	90	335	Alloy Steel	189	239
129-300-T2-H2	300	323.9	550	14960	1001	1500	330	25	60	170	90	385	Alloy Steel	298	384
129-300-T2-I1	300	323.9	550	19640	630	1000	330	30	76	220	105	385	Alloy Steel	259	323
129-300-T2-I2	300	323.9	550	19640	1001	1500	330	30	76	220	105	435	Alloy Steel	392	504
129-350-T2-B1	350	355.6	550	1120	620	1000	362	10	19	50	25	130	Alloy Steel	38	48
129-350-T2-B2	350	355.6	550	1120	1001	1500	362	10	19	50	25	160	Alloy Steel	56	72
129-350-T2-C1	350	355.6	550	2080	620	1000	362	12	27	80	35	162	Alloy Steel	51	63
129-350-T2-C2	350	355.6	550	2080	1001	1500	362	12	27	80	35	212	Alloy Steel	92	120
129-350-T2-D1	350	355.6	550	3260	630	1000	362	15	33	90	45	215	Alloy Steel	81	101
129-350-T2-D2	350	355.6	550	3260	1001	1500	362	15	33	90	45	215	Alloy Steel	101	129
129-350-T2-E1	350	355.6	550	4720	630	1000	362	15	39	110	65	220	Alloy Steel	88	109
129-350-T2-E2	350	355.6	550	4720	1001	1500	362	15	39	110	65	270	Alloy Steel	148	192
129-350-T2-F1	350	355.6	550	7500	640	1000	362	20	45	130	70	275	Alloy Steel	136	168
129-350-T2-F2	350	355.6	550	7500	1001	1500	362	20	45	130	70	325	Alloy Steel	217	280
129-350-T2-G1	350	355.6	550	10920	660	1000	362	20	52	150	85	330	Alloy Steel	184	227
129-350-T2-G2	350	355.6	550	10920	1001	1500	362	20	52	150	85	330	Alloy Steel	227	291
129-350-T2-H1	350	355.6	550	14960	660	1000	362	25	60	170	90	335	Alloy Steel	207	251
129-350-T2-H2	350	355.6	550	14960	1001	1500	362	25	60	170	90	385	Alloy Steel	310	397
129-350-T2-I1	350	355.6	550	19640	680	1000	362	30	76	220	105	385	Alloy Steel	282	337
129-350-T2-I2	350	355.6	550	19640	1001	1500	362	30	76	220	105	435	Alloy Steel	407	519
129-350-T2-J1	350	355.6	550	27120	700	1000	362	30	85	240	120	390	Alloy Steel	298	350
129-350-T2-J2	350	355.6	550	27120	1001	1500	362	30	85	240	120	440	Alloy Steel	420	533
129-400-T2-B1	400	406.4	550	1120	700	1500	412	10	19	50	25	160	Alloy Steel	51	76
129-400-T2-B2	400	406.4	550	1120	1501	2000	412	10	19	50	25	210	Alloy Steel	117	145
129-400-T2-C1	400	406.4	550	2080	700	1500	412	12	27	80	35	212	Alloy Steel	82	126
129-400-T2-C2	400	406.4	550	2080	1501	2000	412	12	27	80	35	212	Alloy Steel	126	153
129-400-T2-D1	400	406.4	550	3260	710	1500	412	15	33	90	45	215	Alloy Steel	93	137
129-400-T2-D2	400	406.4	550	3260	1501	2000	412	15	33	90	45	265	Alloy Steel	191	234
129-400-T2-E1	400	406.4	550	4720	710	1500	412	15	39	110	65	270	Alloy Steel	132	201
129-400-T2-E2	400	406.4	550	4720	1501	2000	412	15	39	110	65	270	Alloy Steel	202	245
129-400-T2-F1	400	406.4	550	7500	720	1500	412	20	45	130	70	325	Alloy Steel	195	294
129-400-T2-F2	400	406.4	550	7500	1501	2000	412	20	45	130	70	325	Alloy Steel	294	357
129-400-T2-G1	400	406.4	550	10920	740	1500	412	20	52	150	85	330	Alloy Steel	210	306
129-400-T2-G2	400	406.4	550	10920	1501	2000	412	20	52	150	85	380	Alloy Steel	387	472
129-400-T2-H1	400	406.4	550	14960	740	1500	412	25	60	170	90	385	Alloy Steel	285	417
129-400-T2-H2	400	406.4	550	14960	1501	2000	412	25	60	170	90	435	Alloy Steel	511	623
129-400-T2-I1	400	406.4	550	19640	760	1500	412	30	76	220	105	435	Alloy Steel	377	543
129-400-T2-I2	400	406.4	550	19640	1501	2000	412	30	76	220	105	435	Alloy Steel	543	655
129-400-T2-J1	400	406.4	550	27120	780	1500	412	30	85	240	120	440	Alloy Steel	397	559
129-400-T2-J2	400	406.4	550	27120	1501	2000	412	30	85	240	120	490	Alloy Steel	669	810
129-400-T2-K1	400	406.4	550	35800	780	1500	412	35	85	240	120	495	Alloy Steel	498	704
129-400-T2-K2	400	406.4	550	35800	1501	2000	412	35	85	240	120	545	Alloy Steel	828	1004
129-450-T2-B1	450	457.2	550	1120	770	1500	464	10	19	50	25	160	Alloy Steel	58	80
129-450-T2-B2	450	457.2	550	1120	1501	2000	464	10	19	50	25	210	Alloy Steel	122	150
129-450-T2-C1	450	457.2	550	2080	780	1500	464	12	27	80	35	212	Alloy Steel	92	132
129-450-T2-C2	450	457.2	550	2080	1501	2000	464	12	27	80	35	212	Alloy Steel	132	160
129-450-T2-D1	450	457.2	550	3260	780	1500	464	15	33	90	45	215	Alloy Steel	104	145
129-450-T2-D2	450	457.2	550	3260	1501	2000	464	15	33	90	45	265	Alloy Steel	200	243
129-450-T2-E1	450	457.2	550	4720	780	1500	464	15	39	110	65	270	Alloy Steel	149	211
129-450-T2-E2	450	457.2	550	4720	1501	2000	464	15	39	110	65	270	Alloy Steel	212	255

FLAT PLATE RISER CLAMP - FIG 129

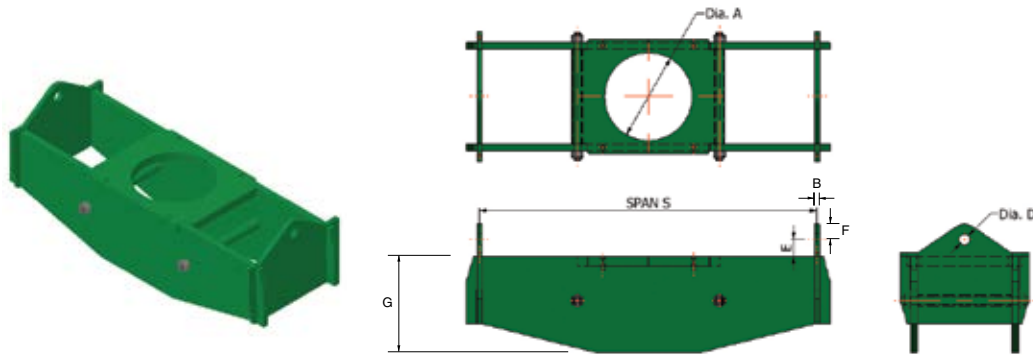


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-450-T2-F1	450	457.2	550	7500	800	1500	464	20	45	130	70	325	Alloy Steel	219	308
129-450-T2-F2	450	457.2	550	7500	1501	2000	464	20	45	130	70	325	Alloy Steel	308	371
129-450-T2-G1	450	457.2	550	10920	810	1500	464	20	52	150	85	330	Alloy Steel	234	322
129-450-T2-G2	450	457.2	550	10920	1501	2000	464	20	52	150	85	380	Alloy Steel	403	489
129-450-T2-H1	450	457.2	550	14960	810	1500	464	25	60	170	90	385	Alloy Steel	317	437
129-450-T2-H2	450	457.2	550	14960	1501	2000	464	25	60	170	90	435	Alloy Steel	533	645
129-450-T2-I1	450	457.2	550	19640	830	1500	464	30	76	220	105	435	Alloy Steel	417	568
129-450-T2-I2	450	457.2	550	19640	1501	2000	464	30	76	220	105	435	Alloy Steel	568	680
129-450-T2-J1	450	457.2	550	27120	850	1500	464	30	85	240	120	440	Alloy Steel	439	586
129-450-T2-J2	450	457.2	550	27120	1501	2000	464	30	85	240	120	490	Alloy Steel	697	839
129-450-T2-K1	450	457.2	550	35800	850	1500	464	35	85	240	120	495	Alloy Steel	550	736
129-450-T2-K2	450	457.2	550	35800	1501	2000	464	35	85	240	120	545	Alloy Steel	862	1037
129-450-T2-L1	450	457.2	550	45480	880	1500	464	40	85	240	120	550	Alloy Steel	690	909
129-450-T2-L2	450	457.2	550	45480	1501	2000	464	40	85	240	120	650	Alloy Steel	1203	1455
129-500-T2-B1	500	508	550	1120	850	1500	516	10	19	50	25	160	Alloy Steel	65	85
129-500-T2-B2	500	508	550	1120	1501	2000	516	10	19	50	25	210	Alloy Steel	127	155
129-500-T2-C1	500	508	550	2080	850	1500	516	12	27	80	35	212	Alloy Steel	103	138
129-500-T2-C2	500	508	550	2080	1501	2000	516	12	27	80	35	212	Alloy Steel	139	166
129-500-T2-D1	500	508	550	3260	850	1500	516	15	33	90	45	215	Alloy Steel	116	153
129-500-T2-D2	500	508	550	3260	1501	2000	516	15	33	90	45	265	Alloy Steel	209	252
129-500-T2-E1	500	508	550	4720	850	1500	516	15	39	110	65	270	Alloy Steel	165	222
129-500-T2-E2	500	508	550	4720	1501	2000	516	15	39	110	65	270	Alloy Steel	222	266
129-500-T2-F1	500	508	550	7500	870	1500	516	20	45	130	70	325	Alloy Steel	243	322
129-500-T2-F2	500	508	550	7500	1501	2000	516	20	45	130	70	325	Alloy Steel	322	385
129-500-T2-G1	500	508	550	10920	880	1500	516	20	52	150	85	330	Alloy Steel	260	339
129-500-T2-G2	500	508	550	10920	1501	2000	516	20	52	150	85	380	Alloy Steel	421	507
129-500-T2-H1	500	508	550	14960	890	1500	516	25	60	170	90	385	Alloy Steel	353	458
129-500-T2-H2	500	508	550	14960	1501	2000	516	25	60	170	90	435	Alloy Steel	555	667
129-500-T2-I1	500	508	550	19640	900	1500	516	30	76	220	105	435	Alloy Steel	459	594
129-500-T2-I2	500	508	550	19640	1501	2000	516	30	76	220	105	435	Alloy Steel	594	706
129-500-T2-J1	500	508	550	27120	920	1500	516	30	85	240	120	440	Alloy Steel	483	614
129-500-T2-J2	500	508	550	27120	1501	2000	516	30	85	240	120	490	Alloy Steel	726	868
129-500-T2-K1	500	508	550	35800	930	1500	516	35	85	240	120	495	Alloy Steel	606	770
129-500-T2-K2	500	508	550	35800	1501	2000	516	35	85	240	120	545	Alloy Steel	897	1072
129-500-T2-L1	500	508	550	45480	950	1500	516	40	85	240	120	550	Alloy Steel	754	948
129-500-T2-L2	500	508	550	45480	1501	2000	516	40	85	240	120	650	Alloy Steel	1246	1498
129-500-T2-M1	500	508	550	57200	950	1500	516	40	85	240	120	660	Alloy Steel	993	1273
129-500-T2-M2	500	508	550	57200	1501	2000	516	40	85	240	120	660	Alloy Steel	1274	1528
129-550-T2-C1	550	558.8	550	2080	930	1500	566	12	27	80	35	212	Alloy Steel	114	146
129-550-T2-C2	550	558.8	550	2080	1501	2000	566	12	27	80	35	212	Alloy Steel	146	173
129-550-T2-D1	550	558.8	550	3260	930	1500	566	15	33	90	45	215	Alloy Steel	130	161
129-550-T2-D2	550	558.8	550	3260	1501	2000	566	15	33	90	45	265	Alloy Steel	218	261
129-550-T2-E1	550	558.8	550	4720	930	1500	566	15	39	110	65	270	Alloy Steel	184	234
129-550-T2-E2	550	558.8	550	4720	1501	2000	566	15	39	110	65	270	Alloy Steel	234	277
129-550-T2-F1	550	558.8	550	7500	950	1500	566	20	45	130	70	325	Alloy Steel	269	338
129-550-T2-F2	550	558.8	550	7500	1501	2000	566	20	45	130	70	325	Alloy Steel	338	401
129-550-T2-G1	550	558.8	550	10920	960	1500	566	20	52	150	85	330	Alloy Steel	288	357
129-550-T2-G2	550	558.8	550	10920	1501	2000	566	20	52	150	85	380	Alloy Steel	440	526

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-550-T2-H1	550	558.8	550	14960	970	1500	566	25	60	170	90	385	Alloy Steel	390	481
129-550-T2-H2	550	558.8	550	14960	1501	2000	566	25	60	170	90	435	Alloy Steel	579	691
129-550-T2-I1	550	558.8	550	19640	980	1500	566	30	76	220	105	385	Alloy Steel	430	520
129-550-T2-I2	550	558.8	550	19640	1501	2000	566	30	76	220	105	435	Alloy Steel	621	733
129-550-T2-J1	550	558.8	550	27120	1000	1500	566	30	85	240	120	440	Alloy Steel	531	644
129-550-T2-J2	550	558.8	550	27120	1501	2000	566	30	85	240	120	490	Alloy Steel	758	900
129-550-T2-K1	550	558.8	550	35800	1010	1500	566	35	85	240	120	495	Alloy Steel	665	805
129-550-T2-K2	550	558.8	550	35800	1501	2000	566	35	85	240	120	545	Alloy Steel	934	1109
129-550-T2-L1	550	558.8	550	45480	1030	1500	566	40	85	240	120	550	Alloy Steel	823	989
129-550-T2-L2	550	558.8	550	45480	1501	2000	566	40	85	240	120	650	Alloy Steel	1291	1543
129-550-T2-M1	550	558.8	550	57200	1030	1500	566	40	85	240	120	560	Alloy Steel	851	1019
129-550-T2-M2	550	558.8	550	57200	1501	2000	566	40	85	240	120	660	Alloy Steel	1323	1577
129-600-T2-C1	600	609.6	550	2080	1000	1500	618	12	27	80	35	212	Alloy Steel	125	153
129-600-T2-C2	600	609.6	550	2080	1501	2000	618	12	27	80	35	212	Alloy Steel	153	180
129-600-T2-D1	600	609.6	550	3260	1000	1500	618	15	33	90	45	215	Alloy Steel	142	170
129-600-T2-D2	600	609.6	550	3260	1501	2000	618	15	33	90	45	265	Alloy Steel	228	271
129-600-T2-E1	600	609.6	550	4720	1000	1500	618	15	39	110	65	270	Alloy Steel	202	245
129-600-T2-E2	600	609.6	550	4720	1501	2000	618	15	39	110	65	270	Alloy Steel	245	289
129-600-T2-F1	600	609.6	550	7500	1020	1500	618	20	45	130	70	325	Alloy Steel	294	354
129-600-T2-F2	600	609.6	550	7500	1501	2000	618	20	45	130	70	325	Alloy Steel	354	417
129-600-T2-G1	600	609.6	550	10920	1030	1500	618	20	52	150	85	330	Alloy Steel	316	375
129-600-T2-G2	600	609.6	550	10920	1501	2000	618	20	52	150	85	380	Alloy Steel	460	545
129-600-T2-H1	600	609.6	550	14960	1040	1500	618	25	60	170	90	385	Alloy Steel	425	504
129-600-T2-H2	600	609.6	550	14960	1501	2000	618	25	60	170	90	435	Alloy Steel	604	716
129-600-T2-I1	600	609.6	550	19640	1050	1500	618	30	76	220	105	385	Alloy Steel	468	546
129-600-T2-I2	600	609.6	550	19640	1501	2000	618	30	76	220	105	435	Alloy Steel	649	761
129-600-T2-J1	600	609.6	550	27120	1070	1500	618	30	85	240	120	440	Alloy Steel	577	674
129-600-T2-J2	600	609.6	550	27120	1501	2000	618	30	85	240	120	490	Alloy Steel	789	931
129-600-T2-K1	600	609.6	550	35800	1080	1500	618	35	85	240	120	495	Alloy Steel	721	841
129-600-T2-K2	600	609.6	550	35800	1501	2000	618	35	85	240	120	545	Alloy Steel	971	1147
129-600-T2-L1	600	609.6	550	45480	1100	1500	618	40	85	240	120	550	Alloy Steel	890	1031
129-600-T2-L2	600	609.6	550	45480	1501	2000	618	40	85	240	120	650	Alloy Steel	1337	1589
129-600-T2-M1	600	609.6	550	57200	1100	1500	618	40	85	240	120	560	Alloy Steel	922	1065
129-600-T2-M2	600	609.6	550	57200	1501	2000	618	40	85	240	120	660	Alloy Steel	1372	1626
129-650-T2-C1	650	660.4	550	2080	1070	1500	670	12	27	80	35	212	Alloy Steel	136	160
129-650-T2-C2	650	660.4	550	2080	1501	2000	670	12	27	80	35	212	Alloy Steel	160	188
129-650-T2-D1	650	660.4	550	3260	1080	1500	670	15	33	90	45	215	Alloy Steel	156	180
129-650-T2-D2	650	660.4	550	3260	1501	2000	670	15	33	90	45	265	Alloy Steel	238	281
129-650-T2-E1	650	660.4	550	4720	1080	1500	670	15	39	110	65	270	Alloy Steel	221	258
129-650-T2-E2	650	660.4	550	4720	1501	2000	670	15	39	110	65	270	Alloy Steel	258	301
129-650-T2-F1	650	660.4	550	7500	1090	1500	670	20	45	130	70	275	Alloy Steel	261	298
129-650-T2-F2	650	660.4	550	7500	1501	2000	670	20	45	130	70	325	Alloy Steel	371	434
129-650-T2-G1	650	660.4	550	10920	1100	1500	670	20	52	150	85	330	Alloy Steel	344	394
129-650-T2-G2	650	660.4	550	10920	1501	2000	670	20	52	150	85	380	Alloy Steel	480	566
129-650-T2-H1	650	660.4	550	14960	1110	1500	670	25	60	170	90	385	Alloy Steel	461	529
129-650-T2-H2	650	660.4	550	14960	1501	2000	670	25	60	170	90	435	Alloy Steel	629	741
129-650-T2-I1	650	660.4	550	19640	1130	1500	670	30	76	220	105	385	Alloy Steel	509	573
129-650-T2-I2	650	660.4	550	19640	1501	2000	670	30	76	220	105	435	Alloy Steel	677	789
129-650-T2-J1	650	660.4	550	27120	1140	1500	670	30	85	240	120	440	Alloy Steel	624	706
129-650-T2-J2	650	660.4	550	27120	1501	2000	670	30	85	240	120	490	Alloy Steel	822	964
129-650-T2-K1	650	660.4	550	35800	1150	1500	670	35	85	240	120	495	Alloy Steel	777	878
129-650-T2-K2	650	660.4	550	35800	1501	2000	670	35	85	240	120	545	Alloy Steel	1010	1185
129-650-T2-L1	650	660.4	550	45480	1170	1500	670	40	85	240	120	550	Alloy Steel	958	1074
129-650-T2-L2	650	660.4	550	45480	1501	2000	670	40	85	240	120	650	Alloy Steel	1384	1636
129-650-T2-M1	650	660.4	550	57200	1170	1500	670	40	85	240	120	560	Alloy Steel	994	1112
129-650-T2-M2	650	660.4	550	57200	1501	2000	670	40	85	240	120	660	Alloy Steel	1423	1677
129-700-T2-C1	700	711.2	550	2080	1140	1500	721	12	27	80	35	212	Alloy Steel	148	168
129-700-T2-C2	700	711.2	550	2080	1501	2000	721	12	27	80	35	212	Alloy Steel	168	196
129-700-T2-D1	700	711.2	550	3260	1150	1500	721	15	33	90	45	215	Alloy Steel	170	189
129-700-T2-D2	700	711.2	550	3260	1501	2000	721	15	33	90	45	265	Alloy Steel	248	291
129-700-T2-E1	700	711.2	550	4720	1150	1500	721	15	39	110	65	270	Alloy Steel	240	270
129-700-T2-E2	700	711.2	550	4720	1501	2000	721	15	39	110	65	270	Alloy Steel	270	314
129-700-T2-F1	700	711.2	550	7500	1160	1500	721	20	45	130	70	275	Alloy Steel	284	314
129-700-T2-F2	700	711.2	550	7500	1501	2000	721	20	45	130	70	325	Alloy Steel	388	451

FLAT PLATE RISER CLAMP - FIG 129

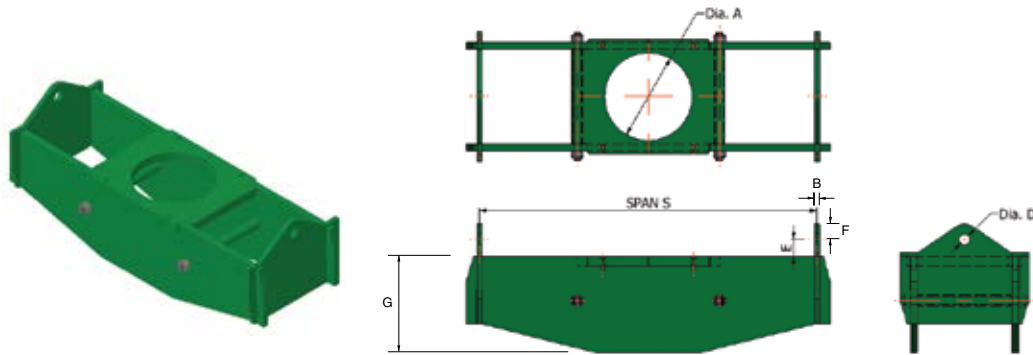


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-700-T2-G1	700	711.2	550	10920	1180	1500	721	20	52	150	85	330	Alloy Steel	373	414
129-700-T2-G2	700	711.2	550	10920	1501	2000	721	20	52	150	85	380	Alloy Steel	501	586
129-700-T2-H1	700	711.2	550	14960	1180	1500	721	25	60	170	90	385	Alloy Steel	498	553
129-700-T2-H2	700	711.2	550	14960	1501	2000	721	25	60	170	90	435	Alloy Steel	655	767
129-700-T2-I1	700	711.2	550	19640	1200	1500	721	30	76	220	105	385	Alloy Steel	549	601
129-700-T2-I2	700	711.2	550	19640	1501	2000	721	30	76	220	105	435	Alloy Steel	706	818
129-700-T2-J1	700	711.2	550	27120	1220	1500	721	30	85	240	120	440	Alloy Steel	674	737
129-700-T2-J2	700	711.2	550	27120	1501	2000	721	30	85	240	120	490	Alloy Steel	855	997
129-700-T2-K1	700	711.2	550	35800	1220	1500	721	35	85	240	120	495	Alloy Steel	835	915
129-700-T2-K2	700	711.2	550	35800	1501	2000	721	35	85	240	120	545	Alloy Steel	1049	1225
129-700-T2-L1	700	711.2	550	45480	1240	1500	721	40	85	240	120	550	Alloy Steel	1027	1118
129-700-T2-L2	700	711.2	550	45480	1501	2000	721	40	85	240	120	650	Alloy Steel	1432	1683
129-700-T2-M1	700	711.2	550	57200	1240	1500	721	40	85	240	120	560	Alloy Steel	1067	1160
129-700-T2-M2	700	711.2	550	57200	1501	2000	721	40	85	240	120	660	Alloy Steel	1475	1729
129-750-T2-D1	750	762	550	3260	1230	1500	773	15	33	90	45	215	Alloy Steel	185	200
129-750-T2-D2	750	762	550	3260	1501	2000	773	15	33	90	45	265	Alloy Steel	260	303
129-750-T2-E1	750	762	550	4720	1230	1500	773	15	39	110	65	270	Alloy Steel	261	285
129-750-T2-E2	750	762	550	4720	1501	2000	773	15	39	110	65	270	Alloy Steel	285	328
129-750-T2-F1	750	762	550	7500	1250	1500	773	20	45	130	70	275	Alloy Steel	310	332
129-750-T2-F2	750	762	550	7500	1501	2000	773	20	45	130	70	325	Alloy Steel	408	470
129-750-T2-G1	750	762	550	10920	1260	1500	773	20	52	150	85	330	Alloy Steel	406	437
129-750-T2-G2	750	762	550	10920	1501	2000	773	20	52	150	85	380	Alloy Steel	524	610
129-750-T2-H1	750	762	550	14960	1260	1500	773	25	60	170	90	385	Alloy Steel	540	581
129-750-T2-H2	750	762	550	14960	1501	2000	773	25	60	170	90	385	Alloy Steel	582	668
129-750-T2-I1	750	762	550	19640	1280	1500	773	30	76	220	105	385	Alloy Steel	594	632
129-750-T2-I2	750	762	550	19640	1501	2000	773	30	76	220	105	435	Alloy Steel	739	851
129-750-T2-J1	750	762	550	27120	1300	1500	773	30	85	240	120	440	Alloy Steel	728	773
129-750-T2-J2	750	762	550	27120	1501	2000	773	30	85	240	120	490	Alloy Steel	893	1034
129-750-T2-K1	750	762	550	35800	1300	1500	773	35	85	240	120	495	Alloy Steel	900	957
129-750-T2-K2	750	762	550	35800	1501	2000	773	35	85	240	120	545	Alloy Steel	1093	1268
129-750-T2-L1	750	762	550	45480	1330	1500	773	40	85	240	120	500	Alloy Steel	979	1028
129-750-T2-L2	750	762	550	45480	1501	2000	773	40	85	240	120	650	Alloy Steel	1485	1736
129-750-T2-M1	750	762	550	57200	1330	1500	773	40	85	240	120	560	Alloy Steel	1153	1214
129-750-T2-M2	750	762	550	57200	1501	2000	773	40	85	240	120	660	Alloy Steel	1533	1787
129-800-T2-D1	800	812.8	550	3260	1300	1500	824	15	33	90	45	215	Alloy Steel	199	210
129-800-T2-D2	800	812.8	550	3260	1501	2000	824	15	33	90	45	265	Alloy Steel	271	314
129-800-T2-E1	800	812.8	550	4720	1300	1500	824	15	39	110	65	270	Alloy Steel	281	298
129-800-T2-E2	800	812.8	550	4720	1501	2000	824	15	39	110	65	270	Alloy Steel	298	342
129-800-T2-F1	800	812.8	550	7500	1320	1500	824	20	45	130	70	275	Alloy Steel	334	350
129-800-T2-F2	800	812.8	550	7500	1501	2000	824	20	45	130	70	325	Alloy Steel	426	489
129-800-T2-G1	800	812.8	550	10920	1330	1500	824	20	52	150	85	330	Alloy Steel	436	458
129-800-T2-G2	800	812.8	550	10920	1501	2000	824	20	52	150	85	380	Alloy Steel	546	632
129-800-T2-H1	800	812.8	550	14960	1330	1500	824	25	60	170	90	385	Alloy Steel	578	608
129-800-T2-H2	800	812.8	550	14960	1501	2000	824	25	60	170	90	385	Alloy Steel	608	694
129-800-T2-I1	800	812.8	550	19640	1350	1500	824	30	76	220	105	385	Alloy Steel	635	661
129-800-T2-I2	800	812.8	550	19640	1501	2000	824	30	76	220	105	435	Alloy Steel	769	881
129-800-T2-J1	800	812.8	550	27120	1370	1500	824	30	85	240	120	440	Alloy Steel	777	807
129-800-T2-J2	800	812.8	550	27120	1501	2000	824	30	85	240	120	490	Alloy Steel	928	1069

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-800-T2-K1	800	812.8	550	35800	1370	1500	824	35	85	240	120	495	Alloy Steel	960	997
129-800-T2-K2	800	812.8	550	35800	1501	2000	824	35	85	240	120	545	Alloy Steel	1134	1309
129-800-T2-L1	800	812.8	550	45480	1400	1500	824	40	85	240	120	500	Alloy Steel	1043	1072
129-800-T2-L2	800	812.8	550	45480	1501	2000	824	40	85	240	120	650	Alloy Steel	1535	1786
129-800-T2-M1	800	812.8	550	57200	1400	1500	824	40	85	240	120	560	Alloy Steel	1229	1265
129-800-T2-M2	800	812.8	550	57200	1501	2000	824	40	85	240	120	660	Alloy Steel	1588	1842
129-850-T2-D1	850	863.6	550	3260	1370	1750	872	15	33	90	45	215	Alloy Steel	213	234
129-850-T2-D2	850	863.6	550	3260	1751	2250	872	15	33	90	45	265	Alloy Steel	303	346
129-850-T2-E1	850	863.6	550	4720	1370	1750	872	15	39	110	65	270	Alloy Steel	300	333
129-850-T2-E2	850	863.6	550	4720	1751	2250	872	15	39	110	65	270	Alloy Steel	333	377
129-850-T2-F1	850	863.6	550	7500	1380	1750	872	20	45	130	70	325	Alloy Steel	429	475
129-850-T2-F2	850	863.6	550	7500	1751	2250	872	20	45	130	70	325	Alloy Steel	475	538
129-850-T2-G1	850	863.6	550	10920	1400	1750	872	20	52	150	85	330	Alloy Steel	466	510
129-850-T2-G2	850	863.6	550	10920	1751	2250	872	20	52	150	85	380	Alloy Steel	611	696
129-850-T2-H1	850	863.6	550	14960	1400	1750	872	25	60	170	90	385	Alloy Steel	616	677
129-850-T2-H2	850	863.6	550	14960	1751	2250	872	25	60	170	90	435	Alloy Steel	795	907
129-850-T2-I1	850	863.6	550	19640	1420	1750	872	30	76	220	105	435	Alloy Steel	781	855
129-850-T2-I2	850	863.6	550	19640	1751	2250	872	30	76	220	105	435	Alloy Steel	855	967
129-850-T2-J1	850	863.6	550	27120	1440	1750	872	30	85	240	120	440	Alloy Steel	826	896
129-850-T2-J2	850	863.6	550	27120	1751	2250	872	30	85	240	120	490	Alloy Steel	1033	1175
129-850-T2-K1	850	863.6	550	35800	1440	1750	872	35	85	240	120	495	Alloy Steel	1018	1107
129-850-T2-K2	850	863.6	550	35800	1751	2250	872	35	85	240	120	545	Alloy Steel	1262	1438
129-850-T2-L1	850	863.6	550	45480	1460	1750	872	40	85	240	120	550	Alloy Steel	1245	1347
129-850-T2-L2	850	863.6	550	45480	1751	2250	872	40	85	240	120	650	Alloy Steel	1710	1961
129-850-T2-M1	850	863.6	550	57200	1460	1750	872	40	85	240	120	660	Alloy Steel	1621	1768
129-850-T2-M2	850	863.6	550	57200	1751	2250	872	40	85	240	120	660	Alloy Steel	1769	2022
129-900-T2-D1	900	914.4	550	3260	1440	1750	926	15	33	90	45	215	Alloy Steel	229	246
129-900-T2-D2	900	914.4	550	3260	1751	2250	926	15	33	90	45	265	Alloy Steel	315	359
129-900-T2-E1	900	914.4	550	4720	1440	1750	926	15	39	110	65	270	Alloy Steel	321	348
129-900-T2-E2	900	914.4	550	4720	1751	2250	926	15	39	110	65	270	Alloy Steel	349	392
129-900-T2-F1	900	914.4	550	7500	1460	1750	926	20	45	130	70	325	Alloy Steel	459	496
129-900-T2-F2	900	914.4	550	7500	1751	2250	926	20	45	130	70	325	Alloy Steel	496	559
129-900-T2-G1	900	914.4	550	10920	1470	1750	926	20	52	150	85	330	Alloy Steel	498	534
129-900-T2-G2	900	914.4	550	10920	1751	2250	926	20	52	150	85	380	Alloy Steel	635	721
129-900-T2-H1	900	914.4	550	14960	1480	1750	926	25	60	170	90	385	Alloy Steel	660	706
129-900-T2-H2	900	914.4	550	14960	1751	2250	926	25	60	170	90	435	Alloy Steel	826	938
129-900-T2-I1	900	914.4	550	19640	1490	1750	926	30	76	220	105	435	Alloy Steel	831	889
129-900-T2-I2	900	914.4	550	19640	1751	2250	926	30	76	220	105	435	Alloy Steel	889	1001
129-900-T2-J1	900	914.4	550	27120	1510	1750	926	30	85	240	120	440	Alloy Steel	880	934
129-900-T2-J2	900	914.4	550	27120	1751	2250	926	30	85	240	120	490	Alloy Steel	1072	1214
129-900-T2-K1	900	914.4	550	35800	1520	1750	926	35	85	240	120	495	Alloy Steel	1085	1151
129-900-T2-K2	900	914.4	550	35800	1751	2250	926	35	85	240	120	545	Alloy Steel	1308	1483
129-900-T2-L1	900	914.4	550	45480	1540	1750	926	40	85	240	120	550	Alloy Steel	1324	1398
129-900-T2-L2	900	914.4	550	45480	1751	2250	926	40	85	240	120	650	Alloy Steel	1765	2016
129-900-T2-M1	900	914.4	550	57200	1540	1750	926	40	85	240	120	660	Alloy Steel	1722	1829
129-900-T2-M2	900	914.4	550	57200	1751	2250	926	40	85	240	120	660	Alloy Steel	1829	2083
129-950-T2-D1	950	965.2	550	3260	1510	1750	976	15	33	90	45	215	Alloy Steel	244	257
129-950-T2-D2	950	965.2	550	3260	1751	2250	976	15	33	90	45	265	Alloy Steel	327	370
129-950-T2-E1	950	965.2	550	4720	1510	1750	976	15	39	110	65	270	Alloy Steel	342	363
129-950-T2-E2	950	965.2	550	4720	1751	2250	976	15	39	110	65	270	Alloy Steel	363	407
129-950-T2-F1	950	965.2	550	7500	1530	1750	976	20	45	130	70	325	Alloy Steel	488	516
129-950-T2-F2	950	965.2	550	7500	1751	2250	976	20	45	130	70	325	Alloy Steel	516	579
129-950-T2-G1	950	965.2	550	10920	1540	1750	976	20	52	150	85	330	Alloy Steel	530	557
129-950-T2-G2	950	965.2	550	10920	1751	2250	976	20	52	150	85	380	Alloy Steel	659	745
129-950-T2-H1	950	965.2	550	14960	1550	1750	976	25	60	170	90	385	Alloy Steel	700	735
129-950-T2-H2	950	965.2	550	14960	1751	2250	976	25	60	170	90	435	Alloy Steel	856	968
129-950-T2-I1	950	965.2	550	19640	1560	1750	976	30	76	220	105	435	Alloy Steel	879	922
129-950-T2-I2	950	965.2	550	19640	1751	2250	976	30	76	220	105	435	Alloy Steel	922	1034
129-950-T2-J1	950	965.2	550	27120	1580	1750	976	30	85	240	120	440	Alloy Steel	932	970
129-950-T2-J2	950	965.2	550	27120	1751	2250	976	30	85	240	120	490	Alloy Steel	1110	1252
129-950-T2-K1	950	965.2	550	35800	1590	1750	976	35	85	240	120	495	Alloy Steel	1148	1194
129-950-T2-K2	950	965.2	550	35800	1751	2250	976	35	85	240	120	545	Alloy Steel	1352	1527
129-950-T2-L1	950	965.2	550	45480	1610	1750	976	40	85	240	120	550	Alloy Steel	1398	1448
129-950-T2-L2	950	965.2	550	45480	1751	2250	976	40	85	240	120	650	Alloy Steel	1818	2069

FLAT PLATE RISER CLAMP - FIG 129

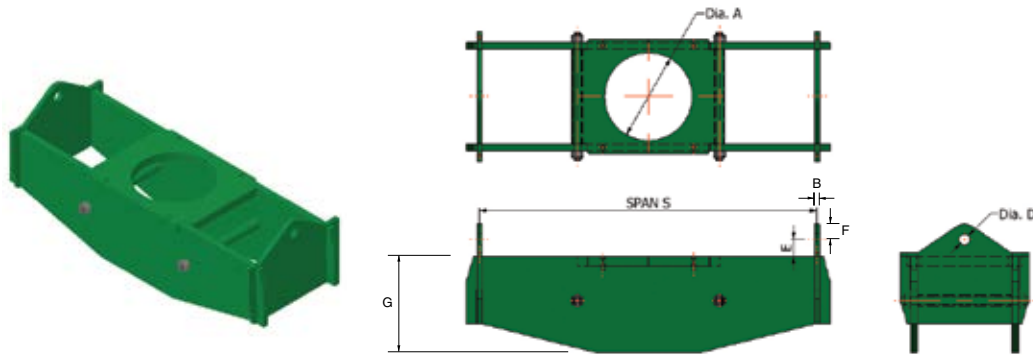


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-950-T2-M1	950	965.2	550	57200	1610	1750	976	40	85	240	120	660	Alloy Steel	1816	1887
129-950-T2-M2	950	965.2	550	57200	1751	2250	976	40	85	240	120	660	Alloy Steel	1888	2141
129-1000-T2-D1	1000	1016	550	3260	1580	1750	1026	15	33	90	45	215	Alloy Steel	259	269
129-1000-T2-D2	1000	1016	550	3260	1751	2250	1026	15	33	90	45	265	Alloy Steel	340	383
129-1000-T2-E1	1000	1016	550	4720	1580	1750	1026	15	39	110	65	270	Alloy Steel	364	379
129-1000-T2-E2	1000	1016	550	4720	1751	2250	1026	15	39	110	65	270	Alloy Steel	379	422
129-1000-T2-F1	1000	1016	550	7500	1600	1750	1026	20	45	130	70	325	Alloy Steel	517	536
129-1000-T2-F2	1000	1016	550	7500	1751	2250	1026	20	45	130	70	325	Alloy Steel	536	599
129-1000-T2-G1	1000	1016	550	10920	1610	1750	1026	20	52	150	85	330	Alloy Steel	563	581
129-1000-T2-G2	1000	1016	550	10920	1751	2250	1026	20	52	150	85	380	Alloy Steel	684	770
129-1000-T2-H1	1000	1016	550	14960	1620	1750	1026	25	60	170	90	385	Alloy Steel	742	764
129-1000-T2-H2	1000	1016	550	14960	1751	2250	1026	25	60	170	90	435	Alloy Steel	886	998
129-1000-T2-I1	1000	1016	550	19640	1630	1750	1026	30	76	220	105	435	Alloy Steel	929	956
129-1000-T2-I2	1000	1016	550	19640	1751	2250	1026	30	76	220	105	435	Alloy Steel	956	1068
129-1000-T2-J1	1000	1016	550	27120	1650	1750	1026	30	85	240	120	440	Alloy Steel	985	1007
129-1000-T2-J2	1000	1016	550	27120	1751	2250	1026	30	85	240	120	490	Alloy Steel	1148	1290
129-1000-T2-K1	1000	1016	550	35800	1660	1750	1026	35	85	240	120	495	Alloy Steel	1211	1237
129-1000-T2-K2	1000	1016	550	35800	1751	2250	1026	35	85	240	120	545	Alloy Steel	1397	1573
129-1000-T2-L1	1000	1016	550	45480	1680	1750	1026	40	85	240	120	550	Alloy Steel	1474	1498
129-1000-T2-L2	1000	1016	550	45480	1751	2250	1026	40	85	240	120	650	Alloy Steel	1872	2124
129-1000-T2-M1	1000	1016	550	57200	1680	1750	1026	40	85	240	120	660	Alloy Steel	1911	1947
129-1000-T2-M2	1000	1016	550	57200	1751	2250	1026	40	85	240	120	660	Alloy Steel	1948	2201
129-250-T3-B1	250	273	600	1120	490	1000	278	10	19	50	25	162	Alloy Steel	35	51
129-250-T3-B2	250	273	600	1120	1001	1500	278	10	19	50	25	212	Alloy Steel	79	106
129-250-T3-C1	250	273	600	2080	490	1000	278	12	27	80	35	220	Alloy Steel	60	89
129-250-T3-C2	250	273	600	2080	1001	1500	278	12	27	80	35	270	Alloy Steel	126	169
129-250-T3-D1	250	273	600	3260	490	1000	278	15	33	90	45	270	Alloy Steel	87	131
129-250-T3-D2	250	273	600	3260	1001	1500	278	15	33	90	45	270	Alloy Steel	131	175
129-250-T3-E1	250	273	600	4720	490	1000	278	15	39	110	65	275	Alloy Steel	92	137
129-250-T3-E2	250	273	600	4720	1001	1500	278	15	39	110	65	325	Alloy Steel	182	245
129-250-T3-F1	250	273	600	7500	510	1000	278	20	45	130	70	330	Alloy Steel	138	200
129-250-T3-F2	250	273	600	7500	1001	1500	278	20	45	130	70	380	Alloy Steel	255	341
129-250-T3-G1	250	273	600	10920	520	1000	278	20	52	150	85	390	Alloy Steel	184	268
129-250-T3-G2	250	273	600	10920	1001	1500	278	20	52	150	85	440	Alloy Steel	331	444
129-250-T3-H1	250	273	600	14960	530	1000	278	25	60	170	90	445	Alloy Steel	247	354
129-250-T3-H2	250	273	600	14960	1001	1500	278	25	60	170	90	495	Alloy Steel	428	571
129-300-T3-B1	300	323.9	600	1120	570	1000	330	10	19	50	25	162	Alloy Steel	42	55
129-300-T3-B2	300	323.9	600	1120	1001	1500	330	10	19	50	25	212	Alloy Steel	84	111
129-300-T3-C1	300	323.9	600	2080	570	1000	330	12	27	80	35	220	Alloy Steel	72	97
129-300-T3-C2	300	323.9	600	2080	1001	1500	330	12	27	80	35	270	Alloy Steel	134	177
129-300-T3-D1	300	323.9	600	3260	580	1000	330	15	33	90	45	270	Alloy Steel	104	140
129-300-T3-D2	300	323.9	600	3260	1001	1500	330	15	33	90	45	270	Alloy Steel	140	184
129-300-T3-E1	300	323.9	600	4720	580	1000	330	15	39	110	65	275	Alloy Steel	110	147
129-300-T3-E2	300	323.9	600	4720	1001	1500	330	15	39	110	65	325	Alloy Steel	193	256
129-300-T3-F1	300	323.9	600	7500	590	1000	330	20	45	130	70	330	Alloy Steel	162	214
129-300-T3-F2	300	323.9	600	7500	1001	1500	330	20	45	130	70	380	Alloy Steel	270	356
129-300-T3-G1	300	323.9	600	10920	600	1000	330	20	52	150	85	390	Alloy Steel	216	286
129-300-T3-G2	300	323.9	600	10920	1001	1500	330	20	52	150	85	440	Alloy Steel	350	463

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-300-T3-H1	300	323.9	600	14960	610	1000	330	25	60	170	90	395	Alloy Steel	241	310
129-300-T3-H2	300	323.9	600	14960	1001	1500	330	25	60	170	90	495	Alloy Steel	452	595
129-300-T3-I1	300	323.9	600	19640	630	1000	330	30	76	220	105	450	Alloy Steel	325	410
129-300-T3-I2	300	323.9	600	19640	1001	1500	330	30	76	220	105	500	Alloy Steel	488	632
129-350-T3-B1	350	355.6	600	1120	620	1000	362	10	19	50	25	162	Alloy Steel	46	58
129-350-T3-B2	350	355.6	600	1120	1001	1500	362	10	19	50	25	212	Alloy Steel	87	115
129-350-T3-C1	350	355.6	600	2080	620	1000	362	12	27	80	35	220	Alloy Steel	80	102
129-350-T3-C2	350	355.6	600	2080	1001	1500	362	12	27	80	35	270	Alloy Steel	139	183
129-350-T3-D1	350	355.6	600	3260	630	1000	362	15	33	90	45	270	Alloy Steel	114	146
129-350-T3-D2	350	355.6	600	3260	1001	1500	362	15	33	90	45	270	Alloy Steel	146	190
129-350-T3-E1	350	355.6	600	4720	630	1000	362	15	39	110	65	275	Alloy Steel	121	154
129-350-T3-E2	350	355.6	600	4720	1001	1500	362	15	39	110	65	325	Alloy Steel	201	264
129-350-T3-F1	350	355.6	600	7500	640	1000	362	20	45	130	70	330	Alloy Steel	178	223
129-350-T3-F2	350	355.6	600	7500	1001	1500	362	20	45	130	70	380	Alloy Steel	280	366
129-350-T3-G1	350	355.6	600	10920	660	1000	362	20	52	150	85	390	Alloy Steel	238	297
129-350-T3-G2	350	355.6	600	10920	1001	1500	362	20	52	150	85	440	Alloy Steel	363	475
129-350-T3-H1	350	355.6	600	14960	660	1000	362	25	60	170	90	395	Alloy Steel	264	323
129-350-T3-H2	350	355.6	600	14960	1001	1500	362	25	60	170	90	495	Alloy Steel	467	610
129-350-T3-I1	350	355.6	600	19640	680	1000	362	30	76	220	105	450	Alloy Steel	354	428
129-350-T3-I2	350	355.6	600	19640	1001	1500	362	30	76	220	105	500	Alloy Steel	507	651
129-350-T3-J1	350	355.6	600	27120	700	1000	362	30	85	240	120	510	Alloy Steel	440	527
129-350-T3-J2	350	355.6	600	27120	1001	1500	362	30	85	240	120	560	Alloy Steel	615	793
129-400-T3-B1	400	406.4	600	1120	700	1500	412	10	19	50	25	212	Alloy Steel	76	120
129-400-T3-B2	400	406.4	600	1120	1501	2000	412	10	19	50	25	212	Alloy Steel	120	148
129-400-T3-C1	400	406.4	600	2080	700	1500	412	12	27	80	35	270	Alloy Steel	122	192
129-400-T3-C2	400	406.4	600	2080	1501	2000	412	12	27	80	35	270	Alloy Steel	192	235
129-400-T3-D1	400	406.4	600	3260	710	1500	412	15	33	90	45	270	Alloy Steel	130	199
129-400-T3-D2	400	406.4	600	3260	1501	2000	412	15	33	90	45	320	Alloy Steel	265	328
129-400-T3-E1	400	406.4	600	4720	710	1500	412	15	39	110	65	325	Alloy Steel	176	276
129-400-T3-E2	400	406.4	600	4720	1501	2000	412	15	39	110	65	375	Alloy Steel	353	438
129-400-T3-F1	400	406.4	600	7500	720	1500	412	20	45	130	70	380	Alloy Steel	248	382
129-400-T3-F2	400	406.4	600	7500	1501	2000	412	20	45	130	70	430	Alloy Steel	474	585
129-400-T3-G1	400	406.4	600	10920	740	1500	412	20	52	150	85	440	Alloy Steel	324	496
129-400-T3-G2	400	406.4	600	10920	1501	2000	412	20	52	150	85	490	Alloy Steel	600	741
129-400-T3-H1	400	406.4	600	14960	740	1500	412	25	60	170	90	445	Alloy Steel	356	529
129-400-T3-H2	400	406.4	600	14960	1501	2000	412	25	60	170	90	495	Alloy Steel	636	779
129-400-T3-I1	400	406.4	600	19640	760	1500	412	30	76	220	105	500	Alloy Steel	467	680
129-400-T3-I2	400	406.4	600	19640	1501	2000	412	30	76	220	105	550	Alloy Steel	802	978
129-400-T3-J1	400	406.4	600	27120	780	1500	412	30	85	240	120	560	Alloy Steel	571	828
129-400-T3-J2	400	406.4	600	27120	1501	2000	412	30	85	240	120	660	Alloy Steel	1108	1361
129-400-T3-K1	400	406.4	600	35800	780	1500	412	35	85	240	120	660	Alloy Steel	777	1143
129-400-T3-K2	400	406.4	600	35800	1501	2000	412	35	85	240	120	660	Alloy Steel	1143	1397
129-450-T3-B1	450	457.2	600	1120	770	1500	464	10	19	50	25	212	Alloy Steel	85	126
129-450-T3-B2	450	457.2	600	1120	1501	2000	464	10	19	50	25	212	Alloy Steel	126	153
129-450-T3-C1	450	457.2	600	2080	780	1500	464	12	27	80	35	270	Alloy Steel	138	201
129-450-T3-C2	450	457.2	600	2080	1501	2000	464	12	27	80	35	270	Alloy Steel	201	245
129-450-T3-D1	450	457.2	600	3260	780	1500	464	15	33	90	45	270	Alloy Steel	146	209
129-450-T3-D2	450	457.2	600	3260	1501	2000	464	15	33	90	45	320	Alloy Steel	276	338
129-450-T3-E1	450	457.2	600	4720	780	1500	464	15	39	110	65	325	Alloy Steel	197	288
129-450-T3-E2	450	457.2	600	4720	1501	2000	464	15	39	110	65	375	Alloy Steel	366	451
129-450-T3-F1	450	457.2	600	7500	800	1500	464	20	45	130	70	380	Alloy Steel	278	399
129-450-T3-F2	450	457.2	600	7500	1501	2000	464	20	45	130	70	430	Alloy Steel	491	602
129-450-T3-G1	450	457.2	600	10920	810	1500	464	20	52	150	85	440	Alloy Steel	361	517
129-450-T3-G2	450	457.2	600	10920	1501	2000	464	20	52	150	85	440	Alloy Steel	517	630
129-450-T3-H1	450	457.2	600	14960	810	1500	464	25	60	170	90	445	Alloy Steel	396	554
129-450-T3-H2	450	457.2	600	14960	1501	2000	464	25	60	170	90	495	Alloy Steel	662	804
129-450-T3-I1	450	457.2	600	19640	830	1500	464	30	76	220	105	500	Alloy Steel	518	711
129-450-T3-I2	450	457.2	600	19640	1501	2000	464	30	76	220	105	550	Alloy Steel	834	1010
129-450-T3-J1	450	457.2	600	27120	850	1500	464	30	85	240	120	560	Alloy Steel	632	864
129-450-T3-J2	450	457.2	600	27120	1501	2000	464	30	85	240	120	660	Alloy Steel	1147	1400
129-450-T3-K1	450	457.2	600	35800	850	1500	464	35	85	240	120	660	Alloy Steel	854	1185
129-450-T3-K2	450	457.2	600	35800	1501	2000	464	35	85	240	120	660	Alloy Steel	1185	1439
129-450-T3-L1	450	457.2	600	45480	880	1500	464	40	85	240	120	665	Alloy Steel	922	1239
129-450-T3-L2	450	457.2	600	45480	1501	2000	464	40	85	240	120	715	Alloy Steel	1406	1704

FLAT PLATE RISER CLAMP - FIG 129

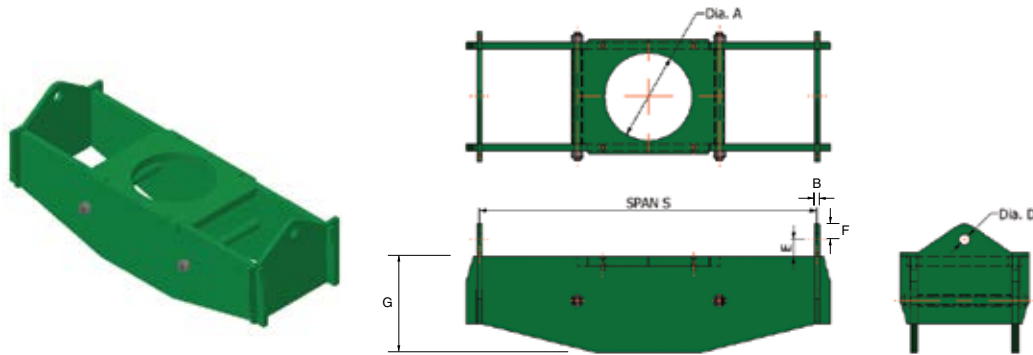


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-500-T3-B1	500	508	600	1120	850	1500	516	10	19	50	25	212	Alloy Steel	96	132
129-500-T3-B2	500	508	600	1120	1501	2000	516	10	19	50	25	212	Alloy Steel	132	159
129-500-T3-C1	500	508	600	2080	850	1500	516	12	27	80	35	270	Alloy Steel	154	210
129-500-T3-C2	500	508	600	2080	1501	2000	516	12	27	80	35	270	Alloy Steel	211	254
129-500-T3-D1	500	508	600	3260	850	1500	516	15	33	90	45	270	Alloy Steel	163	220
129-500-T3-D2	500	508	600	3260	1501	2000	516	15	33	90	45	320	Alloy Steel	287	349
129-500-T3-E1	500	508	600	4720	850	1500	516	15	39	110	65	325	Alloy Steel	219	301
129-500-T3-E2	500	508	600	4720	1501	2000	516	15	39	110	65	375	Alloy Steel	380	465
129-500-T3-F1	500	508	600	7500	870	1500	516	20	45	130	70	380	Alloy Steel	308	416
129-500-T3-F2	500	508	600	7500	1501	2000	516	20	45	130	70	430	Alloy Steel	509	621
129-500-T3-G1	500	508	600	10920	880	1500	516	20	52	150	85	440	Alloy Steel	399	539
129-500-T3-G2	500	508	600	10920	1501	2000	516	20	52	150	85	440	Alloy Steel	539	652
129-500-T3-H1	500	508	600	14960	890	1500	516	25	60	170	90	445	Alloy Steel	440	579
129-500-T3-H2	500	508	600	14960	1501	2000	516	25	60	170	90	495	Alloy Steel	689	831
129-500-T3-I1	500	508	600	19640	900	1500	516	30	76	220	105	500	Alloy Steel	570	743
129-500-T3-I2	500	508	600	19640	1501	2000	516	30	76	220	105	550	Alloy Steel	867	1044
129-500-T3-J1	500	508	600	27120	920	1500	516	30	85	240	120	560	Alloy Steel	694	901
129-500-T3-J2	500	508	600	27120	1501	2000	516	30	85	240	120	660	Alloy Steel	1187	1441
129-500-T3-K1	500	508	600	35800	930	1500	516	35	85	240	120	660	Alloy Steel	938	1228
129-500-T3-K2	500	508	600	35800	1501	2000	516	35	85	240	120	660	Alloy Steel	1228	1482
129-500-T3-L1	500	508	600	45480	950	1500	516	40	85	240	120	665	Alloy Steel	1006	1287
129-500-T3-L2	500	508	600	45480	1501	2000	516	40	85	240	120	715	Alloy Steel	1456	1754
129-500-T3-M1	500	508	600	57200	950	1500	516	40	85	240	120	720	Alloy Steel	1140	1469
129-500-T3-M2	500	508	600	57200	1501	2000	516	40	85	240	120	770	Alloy Steel	1651	1996
129-550-T3-C1	550	558.8	600	2080	930	1500	566	12	27	80	35	270	Alloy Steel	171	221
129-550-T3-C2	550	558.8	600	2080	1501	2000	566	12	27	80	35	270	Alloy Steel	221	265
129-550-T3-D1	550	558.8	600	3260	930	1500	566	15	33	90	45	270	Alloy Steel	181	231
129-550-T3-D2	550	558.8	600	3260	1501	2000	566	15	33	90	45	320	Alloy Steel	299	362
129-550-T3-E1	550	558.8	600	4720	930	1500	566	15	39	110	65	325	Alloy Steel	243	315
129-550-T3-E2	550	558.8	600	4720	1501	2000	566	15	39	110	65	325	Alloy Steel	315	378
129-550-T3-F1	550	558.8	600	7500	950	1500	566	20	45	130	70	380	Alloy Steel	340	435
129-550-T3-F2	550	558.8	600	7500	1501	2000	566	20	45	130	70	380	Alloy Steel	435	520
129-550-T3-G1	550	558.8	600	10920	960	1500	566	20	52	150	85	440	Alloy Steel	441	563
129-550-T3-G2	550	558.8	600	10920	1501	2000	566	20	52	150	85	440	Alloy Steel	563	676
129-550-T3-H1	550	558.8	600	14960	970	1500	566	25	60	170	90	445	Alloy Steel	487	607
129-550-T3-H2	550	558.8	600	14960	1501	2000	566	25	60	170	90	495	Alloy Steel	718	861
129-550-T3-I1	550	558.8	600	19640	980	1500	566	30	76	220	105	500	Alloy Steel	627	777
129-550-T3-I2	550	558.8	600	19640	1501	2000	566	30	76	220	105	550	Alloy Steel	903	1079
129-550-T3-J1	550	558.8	600	27120	1000	1500	566	30	85	240	120	560	Alloy Steel	763	942
129-550-T3-J2	550	558.8	600	27120	1501	2000	566	30	85	240	120	660	Alloy Steel	1231	1485
129-550-T3-K1	550	558.8	600	35800	1010	1500	566	35	85	240	120	660	Alloy Steel	1025	1274
129-550-T3-K2	550	558.8	600	35800	1501	2000	566	35	85	240	120	660	Alloy Steel	1274	1528
129-550-T3-L1	550	558.8	600	45480	1030	1500	566	40	85	240	120	665	Alloy Steel	1098	1338
129-550-T3-L2	550	558.8	600	45480	1501	2000	566	40	85	240	120	715	Alloy Steel	1509	1807
129-550-T3-M1	550	558.8	600	57200	1030	1500	566	40	85	240	120	720	Alloy Steel	1242	1524
129-550-T3-M2	550	558.8	600	57200	1501	2000	566	40	85	240	120	770	Alloy Steel	1708	2053
129-600-T3-C1	600	609.6	600	2080	1000	1500	618	12	27	80	35	270	Alloy Steel	188	232
129-600-T3-C2	600	609.6	600	2080	1501	2000	618	12	27	80	35	270	Alloy Steel	232	275

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-600-T3-D1	600	609.6	600	3260	1000	1500	618	15	33	90	45	270	Alloy Steel	199	242
129-600-T3-D2	600	609.6	600	3260	1501	2000	618	15	33	90	45	320	Alloy Steel	311	374
129-600-T3-E1	600	609.6	600	4720	1000	1500	618	15	39	110	65	325	Alloy Steel	266	329
129-600-T3-E2	600	609.6	600	4720	1501	2000	618	15	39	110	65	325	Alloy Steel	330	392
129-600-T3-F1	600	609.6	600	7500	1020	1500	618	20	45	130	70	380	Alloy Steel	371	453
129-600-T3-F2	600	609.6	600	7500	1501	2000	618	20	45	130	70	380	Alloy Steel	454	539
129-600-T3-G1	600	609.6	600	10920	1030	1500	618	20	52	150	85	440	Alloy Steel	481	587
129-600-T3-G2	600	609.6	600	10920	1501	2000	618	20	52	150	85	440	Alloy Steel	587	700
129-600-T3-H1	600	609.6	600	14960	1040	1500	618	25	60	170	90	445	Alloy Steel	531	635
129-600-T3-H2	600	609.6	600	14960	1501	2000	618	25	60	170	90	495	Alloy Steel	747	890
129-600-T3-I1	600	609.6	600	19640	1050	1500	618	30	76	220	105	500	Alloy Steel	682	812
129-600-T3-I2	600	609.6	600	19640	1501	2000	618	30	76	220	105	550	Alloy Steel	939	1116
129-600-T3-J1	600	609.6	600	27120	1070	1500	618	30	85	240	120	560	Alloy Steel	829	982
129-600-T3-J2	600	609.6	600	27120	1501	2000	618	30	85	240	120	660	Alloy Steel	1275	1528
129-600-T3-K1	600	609.6	600	35800	1080	1500	618	35	85	240	120	660	Alloy Steel	1107	1320
129-600-T3-K2	600	609.6	600	35800	1501	2000	618	35	85	240	120	660	Alloy Steel	1321	1575
129-600-T3-L1	600	609.6	600	45480	1100	1500	618	40	85	240	120	665	Alloy Steel	1185	1389
129-600-T3-L2	600	609.6	600	45480	1501	2000	618	40	85	240	120	715	Alloy Steel	1562	1860
129-600-T3-M1	600	609.6	600	57200	1100	1500	618	40	85	240	120	720	Alloy Steel	1340	1580
129-600-T3-M2	600	609.6	600	57200	1501	2000	618	40	85	240	120	770	Alloy Steel	1765	2111
129-650-T3-C1	650	660.4	600	2080	1070	1500	670	12	27	80	35	270	Alloy Steel	205	243
129-650-T3-C2	650	660.4	600	2080	1501	2000	670	12	27	80	35	270	Alloy Steel	243	287
129-650-T3-D1	650	660.4	600	3260	1080	1500	670	15	33	90	45	270	Alloy Steel	218	254
129-650-T3-D2	650	660.4	600	3260	1501	2000	670	15	33	90	45	320	Alloy Steel	324	387
129-650-T3-E1	650	660.4	600	4720	1080	1500	670	15	39	110	65	325	Alloy Steel	291	344
129-650-T3-E2	650	660.4	600	4720	1501	2000	670	15	39	110	65	325	Alloy Steel	345	407
129-650-T3-F1	650	660.4	600	7500	1090	1500	670	20	45	130	70	380	Alloy Steel	403	473
129-650-T3-F2	650	660.4	600	7500	1501	2000	670	20	45	130	70	380	Alloy Steel	473	559
129-650-T3-G1	650	660.4	600	10920	1100	1500	670	20	52	150	85	390	Alloy Steel	445	515
129-650-T3-G2	650	660.4	600	10920	1501	2000	670	20	52	150	85	440	Alloy Steel	612	725
129-650-T3-H1	650	660.4	600	14960	1110	1500	670	25	60	170	90	445	Alloy Steel	576	665
129-650-T3-H2	650	660.4	600	14960	1501	2000	670	25	60	170	90	495	Alloy Steel	778	921
129-650-T3-I1	650	660.4	600	19640	1130	1500	670	30	76	220	105	500	Alloy Steel	741	847
129-650-T3-I2	650	660.4	600	19640	1501	2000	670	30	76	220	105	550	Alloy Steel	977	1153
129-650-T3-J1	650	660.4	600	27120	1140	1500	670	30	85	240	120	560	Alloy Steel	896	1024
129-650-T3-J2	650	660.4	600	27120	1501	2000	670	30	85	240	120	660	Alloy Steel	1320	1574
129-650-T3-K1	650	660.4	600	35800	1150	1500	670	35	85	240	120	660	Alloy Steel	1191	1369
129-650-T3-K2	650	660.4	600	35800	1501	2000	670	35	85	240	120	660	Alloy Steel	1369	1623
129-650-T3-L1	650	660.4	600	45480	1170	1500	670	40	85	240	120	665	Alloy Steel	1274	1442
129-650-T3-L2	650	660.4	600	45480	1501	2000	670	40	85	240	120	715	Alloy Steel	1617	1915
129-650-T3-M1	650	660.4	600	57200	1170	1500	670	40	85	240	120	720	Alloy Steel	1439	1637
129-650-T3-M2	650	660.4	600	57200	1501	2000	670	40	85	240	120	770	Alloy Steel	1824	2170
129-700-T3-C1	700	711.2	600	2080	1140	1500	721	12	27	80	35	220	Alloy Steel	177	197
129-700-T3-C2	700	711.2	600	2080	1501	2000	721	12	27	80	35	270	Alloy Steel	255	298
129-700-T3-D1	700	711.2	600	3260	1150	1500	721	15	33	90	45	270	Alloy Steel	236	267
129-700-T3-D2	700	711.2	600	3260	1501	2000	721	15	33	90	45	320	Alloy Steel	337	400
129-700-T3-E1	700	711.2	600	4720	1150	1500	721	15	39	110	65	325	Alloy Steel	316	360
129-700-T3-E2	700	711.2	600	4720	1501	2000	721	15	39	110	65	325	Alloy Steel	360	423
129-700-T3-F1	700	711.2	600	7500	1160	1500	721	20	45	130	70	380	Alloy Steel	435	493
129-700-T3-F2	700	711.2	600	7500	1501	2000	721	20	45	130	70	380	Alloy Steel	493	579
129-700-T3-G1	700	711.2	600	10920	1180	1500	721	20	52	150	85	390	Alloy Steel	484	539
129-700-T3-G2	700	711.2	600	10920	1501	2000	721	20	52	150	85	440	Alloy Steel	638	751
129-700-T3-H1	700	711.2	600	14960	1180	1500	721	25	60	170	90	445	Alloy Steel	622	695
129-700-T3-H2	700	711.2	600	14960	1501	2000	721	25	60	170	90	495	Alloy Steel	809	952
129-700-T3-I1	700	711.2	600	19640	1200	1500	721	30	76	220	105	500	Alloy Steel	798	884
129-700-T3-I2	700	711.2	600	19640	1501	2000	721	30	76	220	105	550	Alloy Steel	1015	1191
129-700-T3-J1	700	711.2	600	27120	1220	1500	721	30	85	240	120	560	Alloy Steel	968	1068
129-700-T3-J2	700	711.2	600	27120	1501	2000	721	30	85	240	120	660	Alloy Steel	1366	1620
129-700-T3-K1	700	711.2	600	35800	1220	1500	721	35	85	240	120	660	Alloy Steel	1275	1418
129-700-T3-K2	700	711.2	600	35800	1501	2000	721	35	85	240	120	660	Alloy Steel	1418	1672
129-700-T3-L1	700	711.2	600	45480	1240	1500	721	40	85	240	120	665	Alloy Steel	1363	1496
129-700-T3-L2	700	711.2	600	45480	1501	2000	721	40	85	240	120	715	Alloy Steel	1674	1971
129-700-T3-M1	700	711.2	600	57200	1240	1500	721	40	85	240	120	670	Alloy Steel	1384	1518
129-700-T3-M2	700	711.2	600	57200	1501	2000	721	40	85	240	120	770	Alloy Steel	1885	2230

FLAT PLATE RISER CLAMP - FIG 129

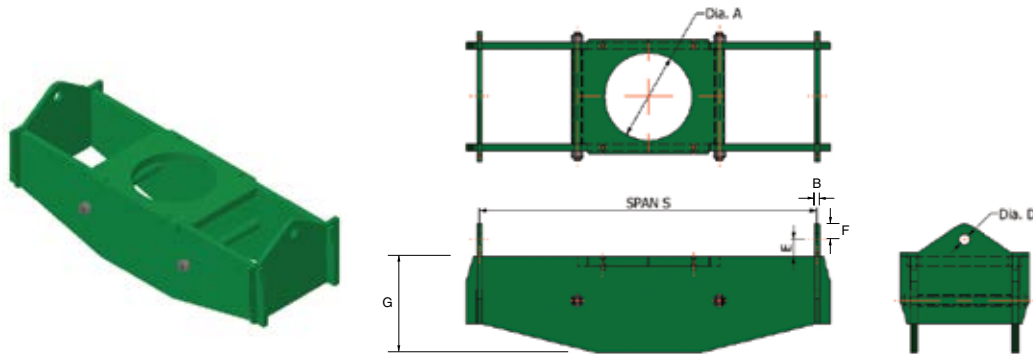


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-750-T3-D1	750	762	600	3260	1230	1500	773	15	33	90	45	270	Alloy Steel	257	281
129-750-T3-D2	750	762	600	3260	1501	2000	773	15	33	90	45	320	Alloy Steel	352	415
129-750-T3-E1	750	762	600	4720	1230	1500	773	15	39	110	65	325	Alloy Steel	344	378
129-750-T3-E2	750	762	600	4720	1501	2000	773	15	39	110	65	325	Alloy Steel	378	441
129-750-T3-F1	750	762	600	7500	1250	1500	773	20	45	130	70	380	Alloy Steel	473	516
129-750-T3-F2	750	762	600	7500	1501	2000	773	20	45	130	70	380	Alloy Steel	517	602
129-750-T3-G1	750	762	600	10920	1260	1500	773	20	52	150	85	390	Alloy Steel	526	568
129-750-T3-G2	750	762	600	10920	1501	2000	773	20	52	150	85	440	Alloy Steel	668	781
129-750-T3-H1	750	762	600	14960	1260	1500	773	25	60	170	90	445	Alloy Steel	674	729
129-750-T3-H2	750	762	600	14960	1501	2000	773	25	60	170	90	495	Alloy Steel	845	988
129-750-T3-I1	750	762	600	19640	1280	1500	773	30	76	220	105	500	Alloy Steel	862	926
129-750-T3-I2	750	762	600	19640	1501	2000	773	30	76	220	105	550	Alloy Steel	1058	1234
129-750-T3-J1	750	762	600	27120	1300	1500	773	30	85	240	120	560	Alloy Steel	1045	1116
129-750-T3-J2	750	762	600	27120	1501	2000	773	30	85	240	120	660	Alloy Steel	1419	1672
129-750-T3-K1	750	762	600	35800	1300	1500	773	35	85	240	120	660	Alloy Steel	1371	1473
129-750-T3-K2	750	762	600	35800	1501	2000	773	35	85	240	120	660	Alloy Steel	1473	1727
129-750-T3-L1	750	762	600	45480	1330	1500	773	40	85	240	120	665	Alloy Steel	1470	1557
129-750-T3-L2	750	762	600	45480	1501	2000	773	40	85	240	120	715	Alloy Steel	1736	2034
129-750-T3-M1	750	762	600	57200	1330	1500	773	40	85	240	120	670	Alloy Steel	1494	1581
129-750-T3-M2	750	762	600	57200	1501	2000	773	40	85	240	120	770	Alloy Steel	1952	2297
129-800-T3-D1	800	812.8	600	3260	1300	1500	824	15	33	90	45	270	Alloy Steel	277	294
129-800-T3-D2	800	812.8	600	3260	1501	2000	824	15	33	90	45	320	Alloy Steel	366	429
129-800-T3-E1	800	812.8	600	4720	1300	1500	824	15	39	110	65	325	Alloy Steel	369	394
129-800-T3-E2	800	812.8	600	4720	1501	2000	824	15	39	110	65	325	Alloy Steel	394	457
129-800-T3-F1	800	812.8	600	7500	1320	1500	824	20	45	130	70	380	Alloy Steel	507	538
129-800-T3-F2	800	812.8	600	7500	1501	2000	824	20	45	130	70	380	Alloy Steel	538	624
129-800-T3-G1	800	812.8	600	10920	1330	1500	824	20	52	150	85	390	Alloy Steel	565	595
129-800-T3-G2	800	812.8	600	10920	1501	2000	824	20	52	150	85	440	Alloy Steel	695	808
129-800-T3-H1	800	812.8	600	14960	1330	1500	824	25	60	170	90	445	Alloy Steel	722	761
129-800-T3-H2	800	812.8	600	14960	1501	2000	824	25	60	170	90	495	Alloy Steel	878	1021
129-800-T3-I1	800	812.8	600	19640	1350	1500	824	30	76	220	105	500	Alloy Steel	921	965
129-800-T3-I2	800	812.8	600	19640	1501	2000	824	30	76	220	105	550	Alloy Steel	1098	1275
129-800-T3-J1	800	812.8	600	27120	1370	1500	824	30	85	240	120	560	Alloy Steel	1116	1162
129-800-T3-J2	800	812.8	600	27120	1501	2000	824	30	85	240	120	660	Alloy Steel	1468	1721
129-800-T3-K1	800	812.8	600	35800	1370	1500	824	35	85	240	120	660	Alloy Steel	1458	1524
129-800-T3-K2	800	812.8	600	35800	1501	2000	824	35	85	240	120	660	Alloy Steel	1525	1779
129-800-T3-L1	800	812.8	600	45480	1400	1500	824	40	85	240	120	665	Alloy Steel	1563	1614
129-800-T3-L2	800	812.8	600	45480	1501	2000	824	40	85	240	120	715	Alloy Steel	1795	2093
129-800-T3-M1	800	812.8	600	57200	1400	1500	824	40	85	240	120	670	Alloy Steel	1589	1640
129-800-T3-M2	800	812.8	600	57200	1501	2000	824	40	85	240	120	770	Alloy Steel	2015	2361
129-850-T3-D1	850	863.6	600	3260	1370	1750	872	15	33	90	45	270	Alloy Steel	296	329
129-850-T3-D2	850	863.6	600	3260	1751	2250	872	15	33	90	45	320	Alloy Steel	411	474
129-850-T3-E1	850	863.6	600	4720	1370	1750	872	15	39	110	65	325	Alloy Steel	394	442
129-850-T3-E2	850	863.6	600	4720	1751	2250	872	15	39	110	65	375	Alloy Steel	538	623
129-850-T3-F1	850	863.6	600	7500	1380	1750	872	20	45	130	70	380	Alloy Steel	539	602
129-850-T3-F2	850	863.6	600	7500	1751	2250	872	20	45	130	70	430	Alloy Steel	716	827
129-850-T3-G1	850	863.6	600	10920	1400	1750	872	20	52	150	85	440	Alloy Steel	700	779
129-850-T3-G2	850	863.6	600	10920	1751	2250	872	20	52	150	85	490	Alloy Steel	908	1050

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-850-T3-H1	850	863.6	600	14960	1400	1750	872	25	60	170	90	495	Alloy Steel	882	983
129-850-T3-H2	850	863.6	600	14960	1751	2250	872	25	60	170	90	495	Alloy Steel	983	1126
129-850-T3-I1	850	863.6	600	19640	1420	1750	872	30	76	220	105	500	Alloy Steel	980	1075
129-850-T3-I2	850	863.6	600	19640	1751	2250	872	30	76	220	105	550	Alloy Steel	1226	1403
129-850-T3-J1	850	863.6	600	27120	1440	1750	872	30	85	240	120	560	Alloy Steel	1186	1297
129-850-T3-J2	850	863.6	600	27120	1751	2250	872	30	85	240	120	660	Alloy Steel	1643	1897
129-850-T3-K1	850	863.6	600	35800	1440	1750	872	35	85	240	120	660	Alloy Steel	1545	1702
129-850-T3-K2	850	863.6	600	35800	1751	2250	872	35	85	240	120	660	Alloy Steel	1703	1957
129-850-T3-L1	850	863.6	600	45480	1460	1750	872	40	85	240	120	665	Alloy Steel	1649	1798
129-850-T3-L2	850	863.6	600	45480	1751	2250	872	40	85	240	120	715	Alloy Steel	2002	2300
129-850-T3-M1	850	863.6	600	57200	1460	1750	872	40	85	240	120	720	Alloy Steel	1858	2031
129-850-T3-M2	850	863.6	600	57200	1751	2250	872	40	85	240	120	770	Alloy Steel	2251	2596
129-900-T3-D1	900	914.4	600	3260	1440	1750	926	15	33	90	45	270	Alloy Steel	317	344
129-900-T3-D2	900	914.4	600	3260	1751	2250	926	15	33	90	45	320	Alloy Steel	427	490
129-900-T3-E1	900	914.4	600	4720	1440	1750	926	15	39	110	65	325	Alloy Steel	422	461
129-900-T3-E2	900	914.4	600	4720	1751	2250	926	15	39	110	65	375	Alloy Steel	558	643
129-900-T3-F1	900	914.4	600	7500	1460	1750	926	20	45	130	70	380	Alloy Steel	576	626
129-900-T3-F2	900	914.4	600	7500	1751	2250	926	20	45	130	70	430	Alloy Steel	741	853
129-900-T3-G1	900	914.4	600	10920	1470	1750	926	20	52	150	85	440	Alloy Steel	747	810
129-900-T3-G2	900	914.4	600	10920	1751	2250	926	20	52	150	85	490	Alloy Steel	940	1082
129-900-T3-H1	900	914.4	600	14960	1480	1750	926	25	60	170	90	445	Alloy Steel	824	886
129-900-T3-H2	900	914.4	600	14960	1751	2250	926	25	60	170	90	495	Alloy Steel	1020	1163
129-900-T3-I1	900	914.4	600	19640	1490	1750	926	30	76	220	105	500	Alloy Steel	1044	1119
129-900-T3-I2	900	914.4	600	19640	1751	2250	926	30	76	220	105	550	Alloy Steel	1272	1448
129-900-T3-J1	900	914.4	600	27120	1510	1750	926	30	85	240	120	560	Alloy Steel	1262	1348
129-900-T3-J2	900	914.4	600	27120	1751	2250	926	30	85	240	120	660	Alloy Steel	1698	1952
129-900-T3-K1	900	914.4	600	35800	1520	1750	926	35	85	240	120	660	Alloy Steel	1643	1760
129-900-T3-K2	900	914.4	600	35800	1751	2250	926	35	85	240	120	660	Alloy Steel	1760	2014
129-900-T3-L1	900	914.4	600	45480	1540	1750	926	40	85	240	120	665	Alloy Steel	1754	1861
129-900-T3-L2	900	914.4	600	45480	1751	2250	926	40	85	240	120	715	Alloy Steel	2068	2366
129-900-T3-M1	900	914.4	600	57200	1540	1750	926	40	85	240	120	720	Alloy Steel	1974	2100
129-900-T3-M2	900	914.4	600	57200	1751	2250	926	40	85	240	120	770	Alloy Steel	2321	2667
129-950-T3-D1	950	965.2	600	3260	1510	1750	976	15	33	90	45	270	Alloy Steel	338	359
129-950-T3-D2	950	965.2	600	3260	1751	2250	976	15	33	90	45	320	Alloy Steel	443	505
129-950-T3-E1	950	965.2	600	4720	1510	1750	976	15	39	110	65	325	Alloy Steel	449	479
129-950-T3-E2	950	965.2	600	4720	1751	2250	976	15	39	110	65	375	Alloy Steel	577	662
129-950-T3-F1	950	965.2	600	7500	1530	1750	976	20	45	130	70	380	Alloy Steel	612	650
129-950-T3-F2	950	965.2	600	7500	1751	2250	976	20	45	130	70	430	Alloy Steel	766	877
129-950-T3-G1	950	965.2	600	10920	1540	1750	976	20	52	150	85	440	Alloy Steel	793	841
129-950-T3-G2	950	965.2	600	10920	1751	2250	976	20	52	150	85	440	Alloy Steel	841	954
129-950-T3-H1	950	965.2	600	14960	1550	1750	976	25	60	170	90	445	Alloy Steel	875	921
129-950-T3-H2	950	965.2	600	14960	1751	2250	976	25	60	170	90	495	Alloy Steel	1057	1200
129-950-T3-I1	950	965.2	600	19640	1560	1750	976	30	76	220	105	500	Alloy Steel	1106	1161
129-950-T3-I2	950	965.2	600	19640	1751	2250	976	30	76	220	105	550	Alloy Steel	1315	1492
129-950-T3-J1	950	965.2	600	27120	1580	1750	976	30	85	240	120	560	Alloy Steel	1337	1398
129-950-T3-J2	950	965.2	600	27120	1751	2250	976	30	85	240	120	660	Alloy Steel	1751	2005
129-950-T3-K1	950	965.2	600	35800	1590	1750	976	35	85	240	120	660	Alloy Steel	1734	1815
129-950-T3-K2	950	965.2	600	35800	1751	2250	976	35	85	240	120	660	Alloy Steel	1816	2070
129-950-T3-L1	950	965.2	600	45480	1610	1750	976	40	85	240	120	665	Alloy Steel	1850	1922
129-950-T3-L2	950	965.2	600	45480	1751	2250	976	40	85	240	120	715	Alloy Steel	2131	2429
129-950-T3-M1	950	965.2	600	57200	1610	1750	976	40	85	240	120	720	Alloy Steel	2082	2166
129-950-T3-M2	950	965.2	600	57200	1751	2250	976	40	85	240	120	770	Alloy Steel	2389	2734
129-1000-T3-D1	1000	1016	600	3260	1580	1750	1026	15	33	90	45	270	Alloy Steel	359	374
129-1000-T3-D2	1000	1016	600	3260	1751	2250	1026	15	33	90	45	320	Alloy Steel	458	521
129-1000-T3-E1	1000	1016	600	4720	1580	1750	1026	15	39	110	65	325	Alloy Steel	476	498
129-1000-T3-E2	1000	1016	600	4720	1751	2250	1026	15	39	110	65	375	Alloy Steel	597	682
129-1000-T3-F1	1000	1016	600	7500	1600	1750	1026	20	45	130	70	380	Alloy Steel	648	674
129-1000-T3-F2	1000	1016	600	7500	1751	2250	1026	20	45	130	70	430	Alloy Steel	791	902
129-1000-T3-G1	1000	1016	600	10920	1610	1750	1026	20	52	150	85	440	Alloy Steel	840	872
129-1000-T3-G2	1000	1016	600	10920	1751	2250	1026	20	52	150	85	440	Alloy Steel	872	985
129-1000-T3-H1	1000	1016	600	14960	1620	1750	1026	25	60	170	90	445	Alloy Steel	928	957
129-1000-T3-H2	1000	1016	600	14960	1751	2250	1026	25	60	170	90	495	Alloy Steel	1094	1237
129-1000-T3-I1	1000	1016	600	19640	1630	1750	1026	30	76	220	105	500	Alloy Steel	1170	1204
129-1000-T3-I2	1000	1016	600	19640	1751	2250	1026	30	76	220	105	550	Alloy Steel	1360	1536

FLAT PLATE RISER CLAMP - FIG 129

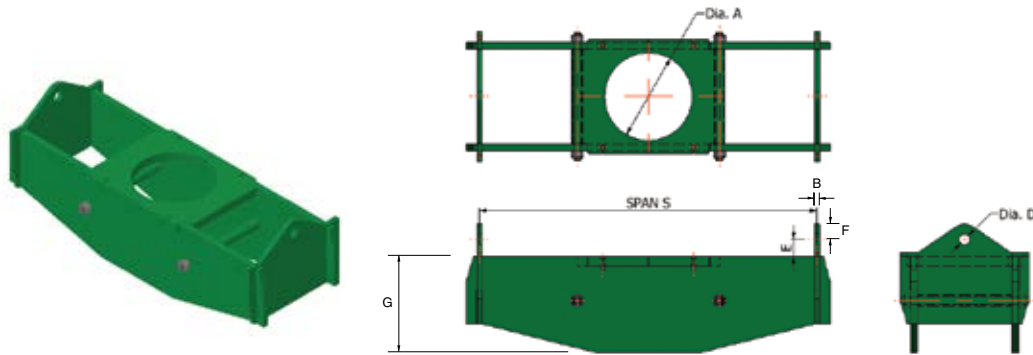


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-1000-T3-J1	1000	1016	600	27120	1650	1750	1026	30	85	240	120	560	Alloy Steel	1413	1449
129-1000-T3-J2	1000	1016	600	27120	1751	2250	1026	30	85	240	120	660	Alloy Steel	1805	2059
129-1000-T3-K1	1000	1016	600	35800	1660	1750	1026	35	85	240	120	660	Alloy Steel	1827	1872
129-1000-T3-K2	1000	1016	600	35800	1751	2250	1026	35	85	240	120	660	Alloy Steel	1873	2127
129-1000-T3-L1	1000	1016	600	45480	1680	1750	1026	40	85	240	120	665	Alloy Steel	1949	1985
129-1000-T3-L2	1000	1016	600	45480	1751	2250	1026	40	85	240	120	715	Alloy Steel	2195	2493
129-1000-T3-M1	1000	1016	600	57200	1680	1750	1026	40	85	240	120	720	Alloy Steel	2191	2233
129-1000-T3-M2	1000	1016	600	57200	1751	2250	1026	40	85	240	120	770	Alloy Steel	2458	2804
129-250-T4-B1	250	273	600	1120	490	1000	278	10	19	50	25	130	9% Cr Steel	29	42
129-250-T4-B2	250	273	600	1120	1001	1500	278	10	19	50	25	130	9% Cr Steel	42	54
129-250-T4-C1	250	273	600	2080	490	1000	278	12	27	80	35	160	9% Cr Steel	37	53
129-250-T4-C2	250	273	600	2080	1001	1500	278	12	27	80	35	210	9% Cr Steel	81	109
129-250-T4-D1	250	273	600	3260	490	1000	278	15	33	90	45	212	9% Cr Steel	59	87
129-250-T4-D2	250	273	600	3260	1001	1500	278	15	33	90	45	212	9% Cr Steel	88	115
129-250-T4-E1	250	273	600	4720	490	1000	278	15	39	110	65	215	9% Cr Steel	63	91
129-250-T4-E2	250	273	600	4720	1001	1500	278	15	39	110	65	265	9% Cr Steel	129	172
129-250-T4-F1	250	273	600	7500	510	1000	278	20	45	130	70	270	9% Cr Steel	102	144
129-250-T4-F2	250	273	600	7500	1001	1500	278	20	45	130	70	270	9% Cr Steel	144	188
129-250-T4-G1	250	273	600	10920	520	1000	278	20	52	150	85	275	9% Cr Steel	109	151
129-250-T4-G2	250	273	600	10920	1001	1500	278	20	52	150	85	325	9% Cr Steel	199	262
129-250-T4-H1	250	273	600	14960	530	1000	278	25	60	170	90	330	9% Cr Steel	157	217
129-250-T4-H2	250	273	600	14960	1001	1500	278	25	60	170	90	330	9% Cr Steel	217	281
129-300-T4-B1	300	323.9	600	1120	570	1000	330	10	19	50	25	130	9% Cr Steel	35	45
129-300-T4-B2	300	323.9	600	1120	1001	1500	330	10	19	50	25	130	9% Cr Steel	45	58
129-300-T4-C1	300	323.9	600	2080	570	1000	330	12	27	80	35	160	9% Cr Steel	44	57
129-300-T4-C2	300	323.9	600	2080	1001	1500	330	12	27	80	35	210	9% Cr Steel	86	114
129-300-T4-D1	300	323.9	600	3260	580	1000	330	15	33	90	45	212	9% Cr Steel	71	94
129-300-T4-D2	300	323.9	600	3260	1001	1500	330	15	33	90	45	212	9% Cr Steel	94	121
129-300-T4-E1	300	323.9	600	4720	580	1000	330	15	39	110	65	215	9% Cr Steel	75	98
129-300-T4-E2	300	323.9	600	4720	1001	1500	330	15	39	110	65	265	9% Cr Steel	137	180
129-300-T4-F1	300	323.9	600	7500	590	1000	330	20	45	130	70	270	9% Cr Steel	119	155
129-300-T4-F2	300	323.9	600	7500	1001	1500	330	20	45	130	70	270	9% Cr Steel	155	199
129-300-T4-G1	300	323.9	600	10920	600	1000	330	20	52	150	85	275	9% Cr Steel	129	164
129-300-T4-G2	300	323.9	600	10920	1001	1500	330	20	52	150	85	325	9% Cr Steel	212	275
129-300-T4-H1	300	323.9	600	14960	610	1000	330	25	60	170	90	330	9% Cr Steel	184	234
129-300-T4-H2	300	323.9	600	14960	1001	1500	330	25	60	170	90	330	9% Cr Steel	234	297
129-300-T4-I1	300	323.9	600	19640	630	1000	330	30	76	220	105	330	9% Cr Steel	209	256
129-300-T4-I2	300	323.9	600	19640	1001	1500	330	30	76	220	105	380	9% Cr Steel	317	403
129-350-T4-B1	350	355.6	600	1120	620	1000	362	10	19	50	25	130	9% Cr Steel	38	48
129-350-T4-B2	350	355.6	600	1120	1001	1500	362	10	19	50	25	130	9% Cr Steel	48	61
129-350-T4-C1	350	355.6	600	2080	620	1000	362	12	27	80	35	160	9% Cr Steel	48	60
129-350-T4-C2	350	355.6	600	2080	1001	1500	362	12	27	80	35	210	9% Cr Steel	90	117
129-350-T4-D1	350	355.6	600	3260	630	1000	362	15	33	90	45	212	9% Cr Steel	77	98
129-350-T4-D2	350	355.6	600	3260	1001	1500	362	15	33	90	45	212	9% Cr Steel	98	125
129-350-T4-E1	350	355.6	600	4720	630	1000	362	15	39	110	65	215	9% Cr Steel	83	103
129-350-T4-E2	350	355.6	600	4720	1001	1500	362	15	39	110	65	265	9% Cr Steel	142	185
129-350-T4-F1	350	355.6	600	7500	640	1000	362	20	45	130	70	220	9% Cr Steel	101	121
129-350-T4-F2	350	355.6	600	7500	1001	1500	362	20	45	130	70	270	9% Cr Steel	162	206

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-350-T4-G1	350	355.6	600	10920	660	1000	362	20	52	150	85	275	9% Cr Steel	142	172
129-350-T4-G2	350	355.6	600	10920	1001	1500	362	20	52	150	85	325	9% Cr Steel	221	284
129-350-T4-H1	350	355.6	600	14960	660	1000	362	25	60	170	90	330	9% Cr Steel	201	244
129-350-T4-H2	350	355.6	600	14960	1001	1500	362	25	60	170	90	330	9% Cr Steel	244	308
129-350-T4-I1	350	355.6	600	19640	680	1000	362	30	76	220	105	330	9% Cr Steel	228	269
129-350-T4-I2	350	355.6	600	19640	1001	1500	362	30	76	220	105	380	9% Cr Steel	330	416
129-350-T4-J1	350	355.6	600	27120	700	1000	362	30	85	240	120	385	9% Cr Steel	291	343
129-350-T4-J2	350	355.6	600	27120	1001	1500	362	30	85	240	120	435	9% Cr Steel	413	525
129-400-T4-B1	400	406.4	600	1120	700	1500	412	10	19	50	25	130	9% Cr Steel	45	65
129-400-T4-B2	400	406.4	600	1120	1501	2000	412	10	19	50	25	160	9% Cr Steel	76	92
129-400-T4-C1	400	406.4	600	2080	700	1500	412	12	27	80	35	210	9% Cr Steel	79	123
129-400-T4-C2	400	406.4	600	2080	1501	2000	412	12	27	80	35	210	9% Cr Steel	123	150
129-400-T4-D1	400	406.4	600	3260	710	1500	412	15	33	90	45	212	9% Cr Steel	89	132
129-400-T4-D2	400	406.4	600	3260	1501	2000	412	15	33	90	45	212	9% Cr Steel	132	160
129-400-T4-E1	400	406.4	600	4720	710	1500	412	15	39	110	65	215	9% Cr Steel	95	139
129-400-T4-E2	400	406.4	600	4720	1501	2000	412	15	39	110	65	265	9% Cr Steel	193	236
129-400-T4-F1	400	406.4	600	7500	720	1500	412	20	45	130	70	270	9% Cr Steel	149	217
129-400-T4-F2	400	406.4	600	7500	1501	2000	412	20	45	130	70	320	9% Cr Steel	285	348
129-400-T4-G1	400	406.4	600	10920	740	1500	412	20	52	150	85	325	9% Cr Steel	202	298
129-400-T4-G2	400	406.4	600	10920	1501	2000	412	20	52	150	85	325	9% Cr Steel	298	361
129-400-T4-H1	400	406.4	600	14960	740	1500	412	25	60	170	90	330	9% Cr Steel	229	325
129-400-T4-H2	400	406.4	600	14960	1501	2000	412	25	60	170	90	380	9% Cr Steel	408	494
129-400-T4-I1	400	406.4	600	19640	760	1500	412	30	76	220	105	380	9% Cr Steel	310	438
129-400-T4-I2	400	406.4	600	19640	1501	2000	412	30	76	220	105	430	9% Cr Steel	534	645
129-400-T4-J1	400	406.4	600	27120	780	1500	412	30	85	240	120	435	9% Cr Steel	388	550
129-400-T4-J2	400	406.4	600	27120	1501	2000	412	30	85	240	120	435	9% Cr Steel	550	662
129-400-T4-K1	400	406.4	600	35800	780	1500	412	35	85	240	120	435	9% Cr Steel	412	574
129-400-T4-K2	400	406.4	600	35800	1501	2000	412	35	85	240	120	485	9% Cr Steel	685	826
129-450-T4-B1	450	457.2	600	1120	770	1500	464	10	19	50	25	130	9% Cr Steel	51	69
129-450-T4-B2	450	457.2	600	1120	1501	2000	464	10	19	50	25	160	9% Cr Steel	81	96
129-450-T4-C1	450	457.2	600	2080	780	1500	464	12	27	80	35	210	9% Cr Steel	89	128
129-450-T4-C2	450	457.2	600	2080	1501	2000	464	12	27	80	35	210	9% Cr Steel	128	156
129-450-T4-D1	450	457.2	600	3260	780	1500	464	15	33	90	45	212	9% Cr Steel	99	139
129-450-T4-D2	450	457.2	600	3260	1501	2000	464	15	33	90	45	212	9% Cr Steel	139	167
129-450-T4-E1	450	457.2	600	4720	780	1500	464	15	39	110	65	215	9% Cr Steel	107	147
129-450-T4-E2	450	457.2	600	4720	1501	2000	464	15	39	110	65	265	9% Cr Steel	202	245
129-450-T4-F1	450	457.2	600	7500	800	1500	464	20	45	130	70	270	9% Cr Steel	168	229
129-450-T4-F2	450	457.2	600	7500	1501	2000	464	20	45	130	70	320	9% Cr Steel	298	360
129-450-T4-G1	450	457.2	600	10920	810	1500	464	20	52	150	85	325	9% Cr Steel	225	312
129-450-T4-G2	450	457.2	600	10920	1501	2000	464	20	52	150	85	325	9% Cr Steel	312	375
129-450-T4-H1	450	457.2	600	14960	810	1500	464	25	60	170	90	330	9% Cr Steel	255	343
129-450-T4-H2	450	457.2	600	14960	1501	2000	464	25	60	170	90	380	9% Cr Steel	427	512
129-450-T4-I1	450	457.2	600	19640	830	1500	464	30	76	220	105	380	9% Cr Steel	344	459
129-450-T4-I2	450	457.2	600	19640	1501	2000	464	30	76	220	105	430	9% Cr Steel	558	669
129-450-T4-J1	450	457.2	600	27120	850	1500	464	30	85	240	120	435	9% Cr Steel	430	576
129-450-T4-J2	450	457.2	600	27120	1501	2000	464	30	85	240	120	435	9% Cr Steel	576	688
129-450-T4-K1	450	457.2	600	35800	850	1500	464	35	85	240	120	435	9% Cr Steel	455	601
129-450-T4-K2	450	457.2	600	35800	1501	2000	464	35	85	240	120	485	9% Cr Steel	715	856
129-450-T4-L1	450	457.2	600	45480	880	1500	464	40	85	240	120	490	9% Cr Steel	581	758
129-450-T4-L2	450	457.2	600	45480	1501	2000	464	40	85	240	120	540	9% Cr Steel	886	1061
129-500-T4-B1	500	508	600	1120	850	1500	516	10	19	50	25	130	9% Cr Steel	57	74
129-500-T4-B2	500	508	600	1120	1501	2000	516	10	19	50	25	160	9% Cr Steel	85	101
129-500-T4-C1	500	508	600	2080	850	1500	516	12	27	80	35	160	9% Cr Steel	71	91
129-500-T4-C2	500	508	600	2080	1501	2000	516	12	27	80	35	210	9% Cr Steel	134	162
129-500-T4-D1	500	508	600	3260	850	1500	516	15	33	90	45	212	9% Cr Steel	110	146
129-500-T4-D2	500	508	600	3260	1501	2000	516	15	33	90	45	212	9% Cr Steel	146	174
129-500-T4-E1	500	508	600	4720	850	1500	516	15	39	110	65	215	9% Cr Steel	119	155
129-500-T4-E2	500	508	600	4720	1501	2000	516	15	39	110	65	265	9% Cr Steel	211	254
129-500-T4-F1	500	508	600	7500	870	1500	516	20	45	130	70	270	9% Cr Steel	186	241
129-500-T4-F2	500	508	600	7500	1501	2000	516	20	45	130	70	320	9% Cr Steel	311	373
129-500-T4-G1	500	508	600	10920	880	1500	516	20	52	150	85	325	9% Cr Steel	249	327
129-500-T4-G2	500	508	600	10920	1501	2000	516	20	52	150	85	325	9% Cr Steel	328	390
129-500-T4-H1	500	508	600	14960	890	1500	516	25	60	170	90	330	9% Cr Steel	284	362
129-500-T4-H2	500	508	600	14960	1501	2000	516	25	60	170	90	380	9% Cr Steel	447	532

FLAT PLATE RISER CLAMP - FIG 129

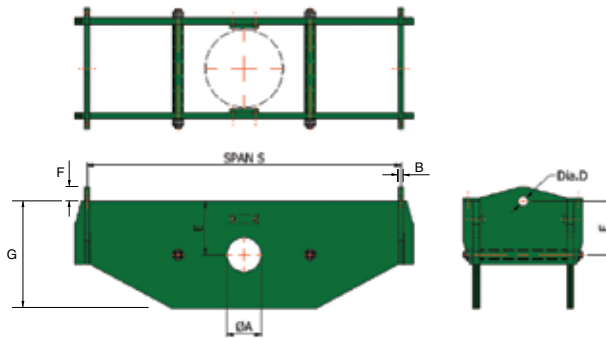


Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-500-T4-I1	500	508	600	19640	900	1500	516	30	76	220	105	380	9% Cr Steel	379	482
129-500-T4-I2	500	508	600	19640	1501	2000	516	30	76	220	105	430	9% Cr Steel	582	693
129-500-T4-J1	500	508	600	27120	920	1500	516	30	85	240	120	435	9% Cr Steel	472	602
129-500-T4-J2	500	508	600	27120	1501	2000	516	30	85	240	120	435	9% Cr Steel	602	714
129-500-T4-K1	500	508	600	35800	930	1500	516	35	85	240	120	435	9% Cr Steel	502	630
129-500-T4-K2	500	508	600	35800	1501	2000	516	35	85	240	120	485	9% Cr Steel	745	886
129-500-T4-L1	500	508	600	45480	950	1500	516	40	85	240	120	490	9% Cr Steel	636	792
129-500-T4-L2	500	508	600	45480	1501	2000	516	40	85	240	120	540	9% Cr Steel	922	1097
129-500-T4-M1	500	508	600	57200	950	1500	516	40	85	240	120	545	9% Cr Steel	742	935
129-500-T4-M2	500	508	600	57200	1501	2000	516	40	85	240	120	645	9% Cr Steel	1233	1483
129-550-T4-C1	550	558.8	600	2080	930	1500	566	12	27	80	35	160	9% Cr Steel	79	97
129-550-T4-C2	550	558.8	600	2080	1501	2000	566	12	27	80	35	210	9% Cr Steel	141	168
129-550-T4-D1	550	558.8	600	3260	930	1500	566	15	33	90	45	212	9% Cr Steel	122	154
129-550-T4-D2	550	558.8	600	3260	1501	2000	566	15	33	90	45	212	9% Cr Steel	154	182
129-550-T4-E1	550	558.8	600	4720	930	1500	566	15	39	110	65	215	9% Cr Steel	132	164
129-550-T4-E2	550	558.8	600	4720	1501	2000	566	15	39	110	65	265	9% Cr Steel	221	264
129-550-T4-F1	550	558.8	600	7500	950	1500	566	20	45	130	70	270	9% Cr Steel	206	254
129-550-T4-F2	550	558.8	600	7500	1501	2000	566	20	45	130	70	320	9% Cr Steel	325	387
129-550-T4-G1	550	558.8	600	10920	960	1500	566	20	52	150	85	325	9% Cr Steel	276	344
129-550-T4-G2	550	558.8	600	10920	1501	2000	566	20	52	150	85	325	9% Cr Steel	344	407
129-550-T4-H1	550	558.8	600	14960	970	1500	566	25	60	170	90	330	9% Cr Steel	314	382
129-550-T4-H2	550	558.8	600	14960	1501	2000	566	25	60	170	90	380	9% Cr Steel	468	553
129-550-T4-I1	550	558.8	600	19640	980	1500	566	30	76	220	105	380	9% Cr Steel	417	506
129-550-T4-I2	550	558.8	600	19640	1501	2000	566	30	76	220	105	430	9% Cr Steel	607	718
129-550-T4-J1	550	558.8	600	27120	1000	1500	566	30	85	240	120	385	9% Cr Steel	443	529
129-550-T4-J2	550	558.8	600	27120	1501	2000	566	30	85	240	120	435	9% Cr Steel	630	742
129-550-T4-K1	550	558.8	600	35800	1010	1500	566	35	85	240	120	435	9% Cr Steel	550	660
129-550-T4-K2	550	558.8	600	35800	1501	2000	566	35	85	240	120	485	9% Cr Steel	776	917
129-550-T4-L1	550	558.8	600	45480	1030	1500	566	40	85	240	120	490	9% Cr Steel	694	828
129-550-T4-L2	550	558.8	600	45480	1501	2000	566	40	85	240	120	540	9% Cr Steel	960	1134
129-550-T4-M1	550	558.8	600	57200	1030	1500	566	40	85	240	120	495	9% Cr Steel	708	842
129-550-T4-M2	550	558.8	600	57200	1501	2000	566	40	85	240	120	645	9% Cr Steel	1276	1526
129-600-T4-C1	600	609.6	600	2080	1000	1500	618	12	27	80	35	160	9% Cr Steel	87	103
129-600-T4-C2	600	609.6	600	2080	1501	2000	618	12	27	80	35	210	9% Cr Steel	147	175
129-600-T4-D1	600	609.6	600	3260	1000	1500	618	15	33	90	45	212	9% Cr Steel	134	162
129-600-T4-D2	600	609.6	600	3260	1501	2000	618	15	33	90	45	212	9% Cr Steel	162	189
129-600-T4-E1	600	609.6	600	4720	1000	1500	618	15	39	110	65	215	9% Cr Steel	145	173
129-600-T4-E2	600	609.6	600	4720	1501	2000	618	15	39	110	65	265	9% Cr Steel	231	274
129-600-T4-F1	600	609.6	600	7500	1020	1500	618	20	45	130	70	270	9% Cr Steel	225	267
129-600-T4-F2	600	609.6	600	7500	1501	2000	618	20	45	130	70	320	9% Cr Steel	339	402
129-600-T4-G1	600	609.6	600	10920	1030	1500	618	20	52	150	85	325	9% Cr Steel	301	360
129-600-T4-G2	600	609.6	600	10920	1501	2000	618	20	52	150	85	325	9% Cr Steel	360	423
129-600-T4-H1	600	609.6	600	14960	1040	1500	618	25	60	170	90	330	9% Cr Steel	343	402
129-600-T4-H2	600	609.6	600	14960	1501	2000	618	25	60	170	90	380	9% Cr Steel	489	575
129-600-T4-I1	600	609.6	600	19640	1050	1500	618	30	76	220	105	380	9% Cr Steel	453	531
129-600-T4-I2	600	609.6	600	19640	1501	2000	618	30	76	220	105	430	9% Cr Steel	531	617
129-600-T4-J1	600	609.6	600	27120	1070	1500	618	30	85	240	120	385	9% Cr Steel	482	556
129-600-T4-J2	600	609.6	600	27120	1501	2000	618	30	85	240	120	435	9% Cr Steel	659	771

FLAT PLATE RISER CLAMP - FIG 129

Part No.	Pipe NB	Pipe O/D	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Clamp Material	Weight at Max Span	Weight (at Max Span)
	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm		kg	kg
129-600-T4-K1	600	609.6	600	35800	1080	1500	618	35	85	240	120	435	9% Cr Steel	596	690
129-600-T4-K2	600	609.6	600	35800	1501	2000	618	35	85	240	120	485	9% Cr Steel	808	949
129-600-T4-L1	600	609.6	600	45480	1100	1500	618	40	85	240	120	490	9% Cr Steel	751	864
129-600-T4-L2	600	609.6	600	45480	1501	2000	618	40	85	240	120	540	9% Cr Steel	998	1173
129-600-T4-M1	600	609.6	600	57200	1100	1500	618	40	85	240	120	495	9% Cr Steel	766	881
129-600-T4-M2	600	609.6	600	57200	1501	2000	618	40	85	240	120	545	9% Cr Steel	1015	1190
129-650-T4-C1	650	660.4	600	2080	1070	1500	670	12	27	80	35	160	9% Cr Steel	96	109
129-650-T4-C2	650	660.4	600	2080	1501	2000	670	12	27	80	35	210	9% Cr Steel	154	181
129-650-T4-D1	650	660.4	600	3260	1080	1500	670	15	33	90	45	212	9% Cr Steel	147	170
129-650-T4-D2	650	660.4	600	3260	1501	2000	670	15	33	90	45	212	9% Cr Steel	170	198
129-650-T4-E1	650	660.4	600	4720	1080	1500	670	15	39	110	65	215	9% Cr Steel	159	183
129-650-T4-E2	650	660.4	600	4720	1501	2000	670	15	39	110	65	265	9% Cr Steel	241	284
129-650-T4-F1	650	660.4	600	7500	1090	1500	670	20	45	130	70	270	9% Cr Steel	245	281
129-650-T4-F2	650	660.4	600	7500	1501	2000	670	20	45	130	70	320	9% Cr Steel	354	416
129-650-T4-G1	650	660.4	600	10920	1100	1500	670	20	52	150	85	325	9% Cr Steel	327	377
129-650-T4-G2	650	660.4	600	10920	1501	2000	670	20	52	150	85	325	9% Cr Steel	378	440
129-650-T4-H1	650	660.4	600	14960	1110	1500	670	25	60	170	90	330	9% Cr Steel	373	423
129-650-T4-H2	650	660.4	600	14960	1501	2000	670	25	60	170	90	380	9% Cr Steel	511	597
129-650-T4-I1	650	660.4	600	19640	1130	1500	670	30	76	220	105	380	9% Cr Steel	492	556
129-650-T4-I2	650	660.4	600	19640	1501	2000	670	30	76	220	105	380	9% Cr Steel	556	642
129-650-T4-J1	650	660.4	600	27120	1140	1500	670	30	85	240	120	385	9% Cr Steel	522	584
129-650-T4-J2	650	660.4	600	27120	1501	2000	670	30	85	240	120	435	9% Cr Steel	688	800
129-650-T4-K1	650	660.4	600	35800	1150	1500	670	35	85	240	120	435	9% Cr Steel	643	722
129-650-T4-K2	650	660.4	600	35800	1501	2000	670	35	85	240	120	485	9% Cr Steel	841	982
129-650-T4-L1	650	660.4	600	45480	1170	1500	670	40	85	240	120	490	9% Cr Steel	808	902
129-650-T4-L2	650	660.4	600	45480	1501	2000	670	40	85	240	120	540	9% Cr Steel	1037	1212
129-650-T4-M1	650	660.4	600	57200	1170	1500	670	40	85	240	120	495	9% Cr Steel	826	920
129-650-T4-M2	650	660.4	600	57200	1501	2000	670	40	85	240	120	545	9% Cr Steel	1056	1231
129-700-T4-C1	700	711.2	600	2080	1140	1500	721	12	27	80	35	160	9% Cr Steel	104	115
129-700-T4-C2	700	711.2	600	2080	1501	2000	721	12	27	80	35	210	9% Cr Steel	161	188
129-700-T4-D1	700	711.2	600	3260	1150	1500	721	15	33	90	45	212	9% Cr Steel	159	178
129-700-T4-D2	700	711.2	600	3260	1501	2000	721	15	33	90	45	212	9% Cr Steel	178	206
129-700-T4-E1	700	711.2	600	4720	1150	1500	721	15	39	110	65	215	9% Cr Steel	173	193
129-700-T4-E2	700	711.2	600	4720	1501	2000	721	15	39	110	65	265	9% Cr Steel	252	295
129-700-T4-F1	700	711.2	600	7500	1160	1500	721	20	45	130	70	270	9% Cr Steel	266	295
129-700-T4-F2	700	711.2	600	7500	1501	2000	721	20	45	130	70	320	9% Cr Steel	369	431
129-700-T4-G1	700	711.2	600	10920	1180	1500	721	20	52	150	85	325	9% Cr Steel	355	395
129-700-T4-G2	700	711.2	600	10920	1501	2000	721	20	52	150	85	325	9% Cr Steel	395	458
129-700-T4-H1	700	711.2	600	14960	1180	1500	721	25	60	170	90	330	9% Cr Steel	404	444
129-700-T4-H2	700	711.2	600	14960	1501	2000	721	25	60	170	90	380	9% Cr Steel	534	620
129-700-T4-I1	700	711.2	600	19640	1200	1500	721	30	76	220	105	380	9% Cr Steel	530	581
129-700-T4-I2	700	711.2	600	19640	1501	2000	721	30	76	220	105	380	9% Cr Steel	582	667
129-700-T4-J1	700	711.2	600	27120	1220	1500	721	30	85	240	120	385	9% Cr Steel	564	612
129-700-T4-J2	700	711.2	600	27120	1501	2000	721	30	85	240	120	435	9% Cr Steel	718	830
129-700-T4-K1	700	711.2	600	35800	1220	1500	721	35	85	240	120	435	9% Cr Steel	691	754
129-700-T4-K2	700	711.2	600	35800	1501	2000	721	35	85	240	120	485	9% Cr Steel	875	1016
129-700-T4-L1	700	711.2	600	45480	1240	1500	721	40	85	240	120	490	9% Cr Steel	866	940
129-700-T4-L2	700	711.2	600	45480	1501	2000	721	40	85	240	120	540	9% Cr Steel	1077	1252
129-700-T4-M1	700	711.2	600	57200	1240	1500	721	40	85	240	120	495	9% Cr Steel	886	960
129-700-T4-M2	700	711.2	600	57200	1501	2000	721	40	85	240	120	545	9% Cr Steel	1098	1273
129-750-T4-D1	750	762	600	3260	1230	1500	773	15	33	90	45	212	9% Cr Steel	173	188
129-750-T4-D2	750	762	600	3260	1501	2000	773	15	33	90	45	212	9% Cr Steel	188	215
129-750-T4-E1	750	762	600	4720	1230	1500	773	15	39	110	65	215	9% Cr Steel	189	204
129-750-T4-E2	750	762	600	4720	1501	2000	773	15	39	110	65	265	9% Cr Steel	264	307
129-750-T4-F1	750	762	600	7500	1250	1500	773	20	45	130	70	270	9% Cr Steel	289	311
129-750-T4-F2	750	762	600	7500	1501	2000	773	20	45	130	70	270	9% Cr Steel	311	355
129-750-T4-G1	750	762	600	10920	1260	1500	773	20	52	150	85	325	9% Cr Steel	385	415
129-750-T4-G2	750	762	600	10920	1501	2000	773	20	52	150	85	325	9% Cr Steel	415	478
129-750-T4-H1	750	762	600	14960	1260	1500	773	25	60	170	90	330	9% Cr Steel	438	469
129-750-T4-H2	750	762	600	14960	1501	2000	773	25	60	170	90	380	9% Cr Steel	559	645
129-750-T4-I1	750	762	600	19640	1280	1500	773	30	76	220	105	380	9% Cr Steel	572	610
129-750-T4-I2	750	762	600	19640	1501	2000	773	30	76	220	105	380	9% Cr Steel	610	696
129-750-T4-J1	750	762	600	27120	1300	1500	773	30	85	240	120	385	9% Cr Steel	610	644
129-750-T4-J2	750	762	600	27120	1501	2000	773	30	85	240	120	435	9% Cr Steel	751	863

FLAT PLATE RISER CLAMP - FIG 130



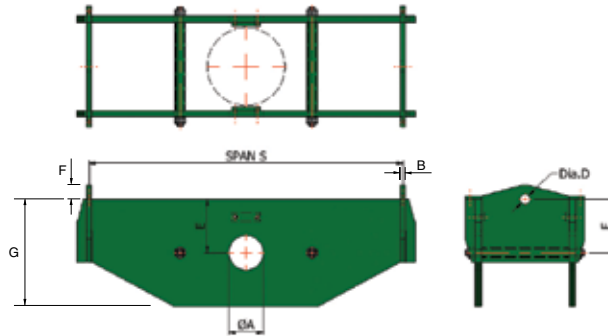
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-500-T0-M1	500	508	168.3	25	400	57200	840	1500	171	40	85	315	120	630	711	989
130-500-T0-M2	500	508	168.3	25	400	57200	1501	2000	171	40	85	365	120	730	1316	1608
130-550-T0-C1	550	558.8	168.3	10	400	2080	710	1500	171	12	27	165	35	330	105	174
130-550-T0-C2	550	558.8	168.3	10	400	2080	1501	2000	171	12	27	165	35	330	175	219
130-550-T0-D1	550	558.8	168.3	10	400	3260	720	1500	171	15	33	165	45	330	116	185
130-550-T0-D2	550	558.8	168.3	10	400	3260	1501	2000	171	15	33	190	45	380	254	318
130-550-T0-E1	550	558.8	168.3	10	400	4720	720	1500	171	15	39	190	65	380	158	257
130-550-T0-E2	550	558.8	168.3	10	400	4720	1501	2000	171	15	39	190	65	380	257	321
130-550-T0-F1	550	558.8	168.3	10	400	7500	750	1500	171	20	45	190	70	380	184	279
130-550-T0-F2	550	558.8	168.3	10	400	7500	1501	2000	171	20	45	215	70	430	363	449
130-550-T0-G1	550	558.8	168.3	12	400	10920	770	1500	171	20	52	215	85	430	243	369
130-550-T0-G2	550	558.8	168.3	12	400	10920	1501	2000	171	20	52	215	85	430	369	455
130-550-T0-H1	550	558.8	168.3	15	400	14960	780	1500	171	25	60	240	90	480	332	494
130-550-T0-H2	550	558.8	168.3	15	400	14960	1501	2000	171	25	60	240	90	480	494	606
130-550-T0-I1	550	558.8	168.3	20	400	19640	800	1500	171	30	76	240	105	480	374	531
130-550-T0-I2	550	558.8	168.3	20	400	19640	1501	2000	171	30	76	265	105	530	645	786
130-550-T0-J1	550	558.8	168.3	20	400	27120	840	1500	171	30	85	265	120	530	468	654
130-550-T0-J2	550	558.8	168.3	20	400	27120	1501	2000	171	30	85	290	120	580	781	955
130-550-T0-K1	550	558.8	168.3	25	400	35800	850	1500	171	35	85	290	120	580	596	822
130-550-T0-K2	550	558.8	168.3	25	400	35800	1501	2000	171	35	85	290	120	580	822	996
130-550-T0-L1	550	558.8	168.3	25	400	45480	890	1500	171	40	85	290	120	580	653	865
130-550-T0-L2	550	558.8	168.3	25	400	45480	1501	2000	171	40	85	315	120	630	1012	1222
130-550-T0-M1	550	558.8	168.3	25	400	57200	890	1500	171	40	85	315	120	630	755	1012
130-550-T0-M2	550	558.8	168.3	25	400	57200	1501	2000	171	40	85	365	120	730	1343	1634
130-600-T0-C1	600	609.6	219.1	10	400	2080	770	1500	223	12	27	185	35	370	123	195
130-600-T0-C2	600	609.6	219.1	10	400	2080	1501	2000	223	12	27	185	35	370	195	244
130-600-T0-D1	600	609.6	219.1	10	400	3260	770	1500	223	15	33	185	45	370	135	207
130-600-T0-D2	600	609.6	219.1	10	400	3260	1501	2000	223	15	33	210	45	420	280	350
130-600-T0-E1	600	609.6	219.1	10	400	4720	770	1500	223	15	39	210	65	420	181	283
130-600-T0-E2	600	609.6	219.1	10	400	4720	1501	2000	223	15	39	210	65	420	284	354
130-600-T0-F1	600	609.6	219.1	10	400	7500	800	1500	223	20	45	210	70	420	211	309
130-600-T0-F2	600	609.6	219.1	10	400	7500	1501	2000	223	20	45	235	70	470	397	491
130-600-T0-G1	600	609.6	219.1	12	400	10920	820	1500	223	20	52	235	85	470	276	404
130-600-T0-G2	600	609.6	219.1	12	400	10920	1501	2000	223	20	52	235	85	470	404	498
130-600-T0-H1	600	609.6	219.1	15	400	14960	830	1500	223	25	60	260	90	520	374	537
130-600-T0-H2	600	609.6	219.1	15	400	14960	1501	2000	223	25	60	260	90	520	537	658
130-600-T0-I1	600	609.6	219.1	20	400	19640	860	1500	223	30	76	260	105	520	423	578
130-600-T0-I2	600	609.6	219.1	20	400	19640	1501	2000	223	30	76	285	105	570	697	849
130-600-T0-J1	600	609.6	219.1	20	400	27120	890	1500	223	30	85	285	120	570	522	707
130-600-T0-J2	600	609.6	219.1	20	400	27120	1501	2000	223	30	85	310	120	620	839	1025
130-600-T0-K1	600	609.6	219.1	25	400	35800	900	1500	223	35	85	310	120	620	661	885
130-600-T0-K2	600	609.6	219.1	25	400	35800	1501	2000	223	35	85	310	120	620	885	1071
130-600-T0-L1	600	609.6	219.1	25	400	45480	940	1500	223	40	85	310	120	620	724	933
130-600-T0-L2	600	609.6	219.1	25	400	45480	1501	2000	223	40	85	335	120	670	1085	1308
130-600-T0-M1	600	609.6	219.1	25	400	57200	940	1500	223	40	85	335	120	670	834	1085
130-600-T0-M2	600	609.6	219.1	25	400	57200	1501	2000	223	40	85	385	120	770	1427	1735
130-650-T0-C1	650	660.4	219.1	10	400	2080	820	1500	223	12	27	185	35	370	132	199
130-650-T0-C2	650	660.4	219.1	10	400	2080	1501	2000	223	12	27	185	35	370	199	248

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-650-T0-D1	650	660.4	219.1	10	400	3260	820	1500	223	15	33	185	45	370	145	212
130-650-T0-D2	650	660.4	219.1	10	400	3260	1501	2000	223	15	33	210	45	420	286	356
130-650-T0-E1	650	660.4	219.1	10	400	4720	820	1500	223	15	39	210	65	420	194	289
130-650-T0-E2	650	660.4	219.1	10	400	4720	1501	2000	223	15	39	210	65	420	290	360
130-650-T0-F1	650	660.4	219.1	10	400	7500	850	1500	223	20	45	210	70	420	225	316
130-650-T0-F2	650	660.4	219.1	10	400	7500	1501	2000	223	20	45	235	70	470	405	499
130-650-T0-G1	650	660.4	219.1	12	400	10920	870	1500	223	20	52	235	85	470	294	413
130-650-T0-G2	650	660.4	219.1	12	400	10920	1501	2000	223	20	52	235	85	470	413	507
130-650-T0-H1	650	660.4	219.1	15	400	14960	880	1500	223	25	60	260	90	520	398	549
130-650-T0-H2	650	660.4	219.1	15	400	14960	1501	2000	223	25	60	260	90	520	549	670
130-650-T0-I1	650	660.4	219.1	20	400	19640	910	1500	223	30	76	260	105	520	450	593
130-650-T0-I2	650	660.4	219.1	20	400	19640	1501	2000	223	30	76	285	105	570	713	865
130-650-T0-J1	650	660.4	219.1	20	400	27120	940	1500	223	30	85	285	120	570	554	724
130-650-T0-J2	650	660.4	219.1	20	400	27120	1501	2000	223	30	85	310	120	620	857	1043
130-650-T0-K1	650	660.4	219.1	25	400	35800	950	1500	223	35	85	310	120	620	700	905
130-650-T0-K2	650	660.4	219.1	25	400	35800	1501	2000	223	35	85	310	120	620	906	1091
130-650-T0-L1	650	660.4	219.1	25	400	45480	990	1500	223	40	85	310	120	620	766	956
130-650-T0-L2	650	660.4	219.1	25	400	45480	1501	2000	223	40	85	335	120	670	1110	1333
130-650-T0-M1	650	660.4	219.1	25	400	57200	990	1500	223	40	85	335	120	670	882	1110
130-650-T0-M2	650	660.4	219.1	25	400	57200	1501	2000	223	40	85	385	120	770	1456	1763
130-700-T0-C1	700	711.2	219.1	10	400	2080	870	1500	223	12	27	185	35	370	140	203
130-700-T0-C2	700	711.2	219.1	10	400	2080	1501	2000	223	12	27	185	35	370	203	252
130-700-T0-D1	700	711.2	219.1	10	400	3260	870	1500	223	15	33	185	45	370	155	217
130-700-T0-D2	700	711.2	219.1	10	400	3260	1501	2000	223	15	33	210	45	420	292	362
130-700-T0-E1	700	711.2	219.1	10	400	4720	870	1500	223	15	39	210	65	420	207	295
130-700-T0-E2	700	711.2	219.1	10	400	4720	1501	2000	223	15	39	210	65	420	296	365
130-700-T0-F1	700	711.2	219.1	10	400	7500	900	1500	223	20	45	210	70	420	240	324
130-700-T0-F2	700	711.2	219.1	10	400	7500	1501	2000	223	20	45	235	70	470	414	508
130-700-T0-G1	700	711.2	219.1	12	400	10920	930	1500	223	20	52	235	85	470	314	422
130-700-T0-G2	700	711.2	219.1	12	400	10920	1501	2000	223	20	52	235	85	470	422	516
130-700-T0-H1	700	711.2	219.1	15	400	14960	930	1500	223	25	60	260	90	520	422	561
130-700-T0-H2	700	711.2	219.1	15	400	14960	1501	2000	223	25	60	260	90	520	561	682
130-700-T0-I1	700	711.2	219.1	20	400	19640	960	1500	223	30	76	260	105	520	476	607
130-700-T0-I2	700	711.2	219.1	20	400	19640	1501	2000	223	30	76	285	105	570	729	881
130-700-T0-J1	700	711.2	219.1	20	400	27120	1000	1500	223	30	85	285	120	570	588	740
130-700-T0-J2	700	711.2	219.1	20	400	27120	1501	2000	223	30	85	310	120	620	875	1061
130-700-T0-K1	700	711.2	219.1	25	400	35800	1000	1500	223	35	85	310	120	620	739	925
130-700-T0-K2	700	711.2	219.1	25	400	35800	1501	2000	223	35	85	310	120	620	926	1111
130-700-T0-L1	700	711.2	219.1	25	400	45480	1040	1500	223	40	85	310	120	620	807	979
130-700-T0-L2	700	711.2	219.1	25	400	45480	1501	2000	223	40	85	335	120	670	1134	1358
130-700-T0-M1	700	711.2	219.1	25	400	57200	1040	1500	223	40	85	335	120	670	928	1134
130-700-T0-M2	700	711.2	219.1	25	400	57200	1501	2000	223	40	85	385	120	770	1484	1792
130-750-T0-D1	750	762	273.1	10	400	3260	920	1500	278	15	33	205	45	410	175	239
130-750-T0-D2	750	762	273.1	10	400	3260	1501	2000	278	15	33	230	45	460	318	394
130-750-T0-E1	750	762	273.1	10	400	4720	920	1500	278	15	39	230	65	460	232	321
130-750-T0-E2	750	762	273.1	10	400	4720	1501	2000	278	15	39	230	65	460	322	398
130-750-T0-F1	750	762	273.1	10	400	7500	950	1500	278	20	45	230	70	460	269	354
130-750-T0-F2	750	762	273.1	10	400	7500	1501	2000	278	20	45	255	70	510	448	550
130-750-T0-G1	750	762	273.1	12	400	10920	980	1500	278	20	52	255	85	510	350	456
130-750-T0-G2	750	762	273.1	12	400	10920	1501	2000	278	20	52	255	85	510	456	558
130-750-T0-H1	750	762	273.1	15	400	14960	980	1500	278	25	60	280	90	560	468	604
130-750-T0-H2	750	762	273.1	15	400	14960	1501	2000	278	25	60	280	90	560	604	734
130-750-T0-I1	750	762	273.1	20	400	19640	1010	1500	278	30	76	280	105	560	527	655
130-750-T0-I2	750	762	273.1	20	400	19640	1501	2000	278	30	76	305	105	610	781	944
130-750-T0-J1	750	762	273.1	20	400	27120	1050	1500	278	30	85	305	120	610	647	793
130-750-T0-J2	750	762	273.1	20	400	27120	1501	2000	278	30	85	330	120	660	933	1131
130-750-T0-K1	750	762	273.1	25	400	35800	1050	1500	278	35	85	330	120	660	810	988
130-750-T0-K2	750	762	273.1	25	400	35800	1501	2000	278	35	85	330	120	660	988	1186
130-750-T0-L1	750	762	273.1	25	400	45480	1090	1500	278	40	85	330	120	660	884	1047
130-750-T0-L2	750	762	273.1	25	400	45480	1501	2000	278	40	85	355	120	710	1208	1444
130-750-T0-M1	750	762	273.1	25	400	57200	1090	1500	278	40	85	355	120	710	1013	1207
130-750-T0-M2	750	762	273.1	25	400	57200	1501	2000	278	40	85	405	120	810	1568	1891
130-800-T0-D1	800	812.8	273.1	10	400	3260	980	1500	278	15	33	205	45	410	187	244
130-800-T0-D2	800	812.8	273.1	10	400	3260	1501	2000	278	15	33	230	45	460	324	400

FLAT PLATE RISER CLAMP - FIG 130



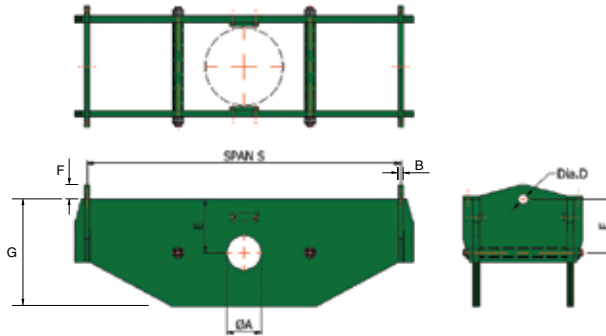
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-800-T0-E1	800	812.8	273.1	10	400	4720	980	1500	278	15	39	230	65	460	248	328
130-800-T0-E2	800	812.8	273.1	10	400	4720	1501	2000	278	15	39	230	65	460	328	404
130-800-T0-F1	800	812.8	273.1	10	400	7500	1000	1500	278	20	45	230	70	460	285	362
130-800-T0-F2	800	812.8	273.1	10	400	7500	1501	2000	278	20	45	255	70	510	457	559
130-800-T0-G1	800	812.8	273.1	12	400	10920	1030	1500	278	20	52	255	85	510	370	465
130-800-T0-G2	800	812.8	273.1	12	400	10920	1501	2000	278	20	52	255	85	510	466	568
130-800-T0-H1	800	812.8	273.1	15	400	14960	1030	1500	278	25	60	280	90	560	493	616
130-800-T0-H2	800	812.8	273.1	15	400	14960	1501	2000	278	25	60	280	90	560	617	747
130-800-T0-I1	800	812.8	273.1	20	400	19640	1060	1500	278	30	76	280	105	560	555	670
130-800-T0-I2	800	812.8	273.1	20	400	19640	1501	2000	278	30	76	305	105	610	798	960
130-800-T0-J1	800	812.8	273.1	20	400	27120	1100	1500	278	30	85	305	120	610	680	811
130-800-T0-J2	800	812.8	273.1	20	400	27120	1501	2000	278	30	85	330	120	660	952	1149
130-800-T0-K1	800	812.8	273.1	25	400	35800	1100	1500	278	35	85	330	120	660	850	1009
130-800-T0-K2	800	812.8	273.1	25	400	35800	1501	2000	278	35	85	330	120	660	1009	1207
130-800-T0-L1	800	812.8	273.1	25	400	45480	1140	1500	278	40	85	330	120	660	928	1071
130-800-T0-L2	800	812.8	273.1	25	400	45480	1501	2000	278	40	85	355	120	710	1233	1470
130-800-T0-M1	800	812.8	273.1	25	400	57200	1140	1500	278	40	85	355	120	710	1062	1233
130-800-T0-M2	800	812.8	273.1	25	400	57200	1501	2000	278	40	85	405	120	810	1597	1921
130-850-T0-D1	850	863.6	273.1	10	400	3260	1020	1750	278	15	33	205	45	410	197	277
130-850-T0-D2	850	863.6	273.1	10	400	3260	1751	2250	278	15	33	230	45	460	368	444
130-850-T0-E1	850	863.6	273.1	10	400	4720	1020	1750	278	15	39	230	65	460	260	372
130-850-T0-E2	850	863.6	273.1	10	400	4720	1751	2250	278	15	39	230	65	460	372	449
130-850-T0-F1	850	863.6	273.1	10	400	7500	1050	1750	278	20	45	255	70	510	374	516
130-850-T0-F2	850	863.6	273.1	10	400	7500	1751	2250	278	20	45	255	70	510	517	619
130-850-T0-G1	850	863.6	273.1	12	400	10920	1080	1750	278	20	52	255	85	510	389	526
130-850-T0-G2	850	863.6	273.1	12	400	10920	1751	2250	278	20	52	280	85	560	648	779
130-850-T0-H1	850	863.6	273.1	15	400	14960	1080	1750	278	25	60	280	90	560	518	694
130-850-T0-H2	850	863.6	273.1	15	400	14960	1751	2250	278	25	60	280	90	560	694	824
130-850-T0-I1	850	863.6	273.1	20	400	19640	1110	1750	278	30	76	280	105	560	582	750
130-850-T0-I2	850	863.6	273.1	20	400	19640	1751	2250	278	30	76	305	105	610	895	1057
130-850-T0-J1	850	863.6	273.1	20	400	27120	1150	1750	278	30	85	305	120	610	713	908
130-850-T0-J2	850	863.6	273.1	20	400	27120	1751	2250	278	30	85	330	120	660	1068	1266
130-850-T0-K1	850	863.6	273.1	25	400	35800	1150	1750	278	35	85	330	120	660	890	1128
130-850-T0-K2	850	863.6	273.1	25	400	35800	1751	2250	278	35	85	355	120	710	1307	1543
130-850-T0-L1	850	863.6	273.1	25	400	45480	1190	1750	278	40	85	355	120	710	1110	1376
130-850-T0-L2	850	863.6	273.1	25	400	45480	1751	2250	278	40	85	405	120	810	1787	2111
130-850-T0-M1	850	863.6	273.1	25	400	57200	1190	1750	278	40	85	355	120	710	1110	1376
130-850-T0-M2	850	863.6	273.1	25	400	57200	1751	2250	278	40	85	405	120	810	1787	2111
130-900-T0-D1	900	914.4	273.1	10	400	3260	1080	1750	278	15	33	205	45	410	209	282
130-900-T0-D2	900	914.4	273.1	10	400	3260	1751	2250	278	15	33	230	45	460	374	451
130-900-T0-E1	900	914.4	273.1	10	400	4720	1080	1750	278	15	39	230	65	460	276	379
130-900-T0-E2	900	914.4	273.1	10	400	4720	1751	2250	278	15	39	230	65	460	379	455
130-900-T0-F1	900	914.4	273.1	10	400	7500	1110	1750	278	20	45	255	70	510	395	526
130-900-T0-F2	900	914.4	273.1	10	400	7500	1751	2250	278	20	45	255	70	510	526	628
130-900-T0-G1	900	914.4	273.1	12	400	10920	1130	1750	278	20	52	255	85	510	409	536
130-900-T0-G2	900	914.4	273.1	12	400	10920	1751	2250	278	20	52	280	85	560	660	790
130-900-T0-H1	900	914.4	273.1	15	400	14960	1140	1750	278	25	60	280	90	560	548	707
130-900-T0-H2	900	914.4	273.1	15	400	14960	1751	2250	278	25	60	280	90	560	707	838

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-900-T0-I1	900	914.4	273.1	20	400	19640	1160	1750	278	30	76	280	105	560	611	766
130-900-T0-I2	900	914.4	273.1	20	400	19640	1751	2250	278	30	76	305	105	610	912	1075
130-900-T0-J1	900	914.4	273.1	20	400	27120	1200	1750	278	30	85	305	120	610	747	926
130-900-T0-J2	900	914.4	273.1	20	400	27120	1751	2250	278	30	85	330	120	660	1088	1286
130-900-T0-K1	900	914.4	273.1	25	400	35800	1210	1750	278	35	85	330	120	660	936	1150
130-900-T0-K2	900	914.4	273.1	25	400	35800	1751	2250	278	35	85	355	120	710	1331	1567
130-900-T0-L1	900	914.4	273.1	25	400	45480	1250	1750	278	40	85	355	120	710	1166	1403
130-900-T0-L2	900	914.4	273.1	25	400	45480	1751	2250	278	40	85	405	120	810	1818	2142
130-900-T0-M1	900	914.4	273.1	25	400	57200	1250	1750	278	40	85	355	120	710	1166	1403
130-900-T0-M2	900	914.4	273.1	25	400	57200	1751	2250	278	40	85	405	120	810	1818	2142
130-950-T0-D1	950	965.2	273.1	10	400	3260	1130	1750	278	15	33	205	45	410	219	287
130-950-T0-D2	950	965.2	273.1	10	400	3260	1751	2250	278	15	33	230	45	460	380	457
130-950-T0-E1	950	965.2	273.1	10	400	4720	1130	1750	278	15	39	230	65	460	290	385
130-950-T0-E2	950	965.2	273.1	10	400	4720	1751	2250	278	15	39	230	65	460	385	462
130-950-T0-F1	950	965.2	273.1	10	400	7500	1160	1750	278	20	45	255	70	510	415	535
130-950-T0-F2	950	965.2	273.1	10	400	7500	1751	2250	278	20	45	255	70	510	535	637
130-950-T0-G1	950	965.2	273.1	12	400	10920	1180	1750	278	20	52	255	85	510	429	545
130-950-T0-G2	950	965.2	273.1	12	400	10920	1751	2250	278	20	52	280	85	560	670	800
130-950-T0-H1	950	965.2	273.1	15	400	14960	1190	1750	278	25	60	280	90	560	573	720
130-950-T0-H2	950	965.2	273.1	15	400	14960	1751	2250	278	25	60	280	90	560	720	850
130-950-T0-I1	950	965.2	273.1	20	400	19640	1210	1750	278	30	76	280	105	560	639	780
130-950-T0-I2	950	965.2	273.1	20	400	19640	1751	2250	278	30	76	305	105	610	929	1091
130-950-T0-J1	950	965.2	273.1	20	400	27120	1250	1750	278	30	85	305	120	610	780	943
130-950-T0-J2	950	965.2	273.1	20	400	27120	1751	2250	278	30	85	330	120	660	1106	1304
130-950-T0-K1	950	965.2	273.1	25	400	35800	1260	1750	278	35	85	330	120	660	976	1171
130-950-T0-K2	950	965.2	273.1	25	400	35800	1751	2250	278	35	85	355	120	710	1353	1589
130-950-T0-L1	950	965.2	273.1	25	400	45480	1300	1750	278	40	85	355	120	710	1214	1428
130-950-T0-L2	950	965.2	273.1	25	400	45480	1751	2250	278	40	85	405	120	810	1847	2171
130-950-T0-M1	950	965.2	273.1	25	400	57200	1300	1750	278	40	85	355	120	710	1214	1428
130-950-T0-M2	950	965.2	273.1	25	400	57200	1751	2250	278	40	85	405	120	810	1847	2171
130-1000-T0-D1	1000	1016	273.1	10	400	3260	1180	1750	278	15	33	205	45	410	230	293
130-1000-T0-D2	1000	1016	273.1	10	400	3260	1751	2250	278	15	33	230	45	460	386	463
130-1000-T0-E1	1000	1016	273.1	10	400	4720	1180	1750	278	15	39	230	65	460	304	391
130-1000-T0-E2	1000	1016	273.1	10	400	4720	1751	2250	278	15	39	230	65	460	391	468
130-1000-T0-F1	1000	1016	273.1	10	400	7500	1210	1750	278	20	45	255	70	510	434	544
130-1000-T0-F2	1000	1016	273.1	10	400	7500	1751	2250	278	20	45	255	70	510	544	646
130-1000-T0-G1	1000	1016	273.1	12	400	10920	1230	1750	278	20	52	255	85	510	448	554
130-1000-T0-G2	1000	1016	273.1	12	400	10920	1751	2250	278	20	52	280	85	560	680	811
130-1000-T0-H1	1000	1016	273.1	15	400	14960	1240	1750	278	25	60	280	90	560	599	732
130-1000-T0-H2	1000	1016	273.1	15	400	14960	1751	2250	278	25	60	280	90	560	732	863
130-1000-T0-I1	1000	1016	273.1	20	400	19640	1260	1750	278	30	76	280	105	560	667	795
130-1000-T0-I2	1000	1016	273.1	20	400	19640	1751	2250	278	30	76	305	105	610	945	1107
130-1000-T0-J1	1000	1016	273.1	20	400	27120	1300	1750	278	30	85	305	120	610	813	960
130-1000-T0-J2	1000	1016	273.1	20	400	27120	1751	2250	278	30	85	330	120	660	1124	1322
130-1000-T0-K1	1000	1016	273.1	25	400	35800	1310	1750	278	35	85	330	120	660	1017	1191
130-1000-T0-K2	1000	1016	273.1	25	400	35800	1751	2250	278	35	85	355	120	710	1375	1612
130-1000-T0-L1	1000	1016	273.1	25	400	45480	1350	1750	278	40	85	355	120	710	1263	1453
130-1000-T0-L2	1000	1016	273.1	25	400	45480	1751	2250	278	40	85	405	120	810	1876	2199
130-1000-T0-M1	1000	1016	273.1	25	400	57200	1350	1750	278	40	85	355	120	710	1263	1453
130-1000-T0-M2	1000	1016	273.1	25	400	57200	1751	2250	278	40	85	405	120	810	1876	2199
130-250-T1-B1	250	273	88.9	10	450	1120	420	1000	91	10	19	95	25	190	29	51
130-250-T1-B2	250	273	88.9	10	450	1120	1001	1500	91	10	19	95	25	190	51	70
130-250-T1-C1	250	273	88.9	10	450	2080	430	1000	91	12	27	110	35	220	36	61
130-250-T1-C2	250	273	88.9	10	450	2080	1001	1500	91	12	27	135	35	270	95	131
130-250-T1-D1	250	273	88.9	10	450	3260	430	1000	91	15	33	135	45	270	59	100
130-250-T1-D2	250	273	88.9	10	450	3260	1001	1500	91	15	33	135	45	270	100	136
130-250-T1-E1	250	273	88.9	10	450	4720	430	1000	91	15	39	135	65	270	60	101
130-250-T1-E2	250	273	88.9	10	450	4720	1001	1500	91	15	39	135	65	270	102	138
130-250-T1-F1	250	273	88.9	10	450	7500	460	1000	91	20	45	160	70	320	97	155
130-250-T1-F2	250	273	88.9	10	450	7500	1001	1500	91	20	45	160	70	320	155	208
130-250-T1-G1	250	273	88.9	12	450	10920	480	1000	91	20	52	160	85	320	104	159
130-250-T1-G2	250	273	88.9	12	450	10920	1001	1500	91	20	52	185	85	370	211	285
130-250-T1-H1	250	273	88.9	15	450	14960	490	1000	91	25	60	185	90	370	150	226
130-250-T1-H2	250	273	88.9	15	450	14960	1001	1500	91	25	60	185	90	370	226	300

FLAT PLATE RISER CLAMP - FIG 130



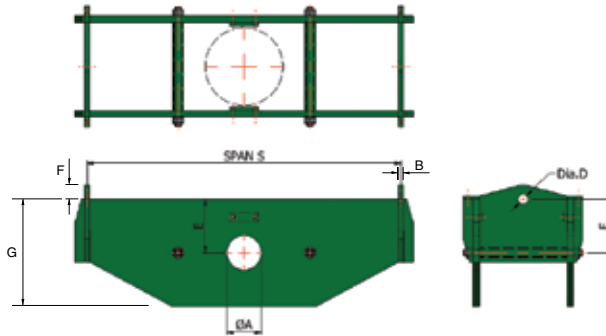
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-300-T1-B1	300	323.9	114.3	10	450	1120	480	1000	117	10	19	105	25	210	35	57
130-300-T1-B2	300	323.9	114.3	10	450	1120	1001	1500	117	10	19	105	25	210	57	78
130-300-T1-C1	300	323.9	114.3	10	450	2080	480	1000	117	12	27	120	35	240	43	68
130-300-T1-C2	300	323.9	114.3	10	450	2080	1001	1500	117	12	27	145	35	290	103	142
130-300-T1-D1	300	323.9	114.3	10	450	3260	480	1000	117	15	33	145	45	290	70	110
130-300-T1-D2	300	323.9	114.3	10	450	3260	1001	1500	117	15	33	145	45	290	110	148
130-300-T1-E1	300	323.9	114.3	10	450	4720	480	1000	117	15	39	145	65	290	71	112
130-300-T1-E2	300	323.9	114.3	10	450	4720	1001	1500	117	15	39	145	65	290	112	150
130-300-T1-F1	300	323.9	114.3	10	450	7500	510	1000	117	20	45	170	70	340	114	169
130-300-T1-F2	300	323.9	114.3	10	450	7500	1001	1500	117	20	45	170	70	340	169	226
130-300-T1-G1	300	323.9	114.3	12	450	10920	530	1000	117	20	52	170	85	340	120	174
130-300-T1-G2	300	323.9	114.3	12	450	10920	1001	1500	117	20	52	195	85	390	228	306
130-300-T1-H1	300	323.9	114.3	15	450	14960	540	1000	117	25	60	195	90	390	173	245
130-300-T1-H2	300	323.9	114.3	15	450	14960	1001	1500	117	25	60	195	90	390	245	323
130-300-T1-I1	300	323.9	114.3	20	450	19640	570	1000	117	30	76	195	105	390	200	267
130-300-T1-I2	300	323.9	114.3	20	450	19640	1001	1500	117	30	76	220	105	440	335	438
130-350-T1-B1	350	355.6	114.3	10	450	1120	510	1000	117	10	19	105	25	210	38	58
130-350-T1-B2	350	355.6	114.3	10	450	1120	1001	1500	117	10	19	105	25	210	58	79
130-350-T1-C1	350	355.6	114.3	10	450	2080	510	1000	117	12	27	120	35	240	46	70
130-350-T1-C2	350	355.6	114.3	10	450	2080	1001	1500	117	12	27	145	35	290	106	144
130-350-T1-D1	350	355.6	114.3	10	450	3260	510	1000	117	15	33	145	45	290	74	112
130-350-T1-D2	350	355.6	114.3	10	450	3260	1001	1500	117	15	33	145	45	290	112	151
130-350-T1-E1	350	355.6	114.3	10	450	4720	510	1000	117	15	39	145	65	290	76	114
130-350-T1-E2	350	355.6	114.3	10	450	4720	1001	1500	117	15	39	145	65	290	114	153
130-350-T1-F1	350	355.6	114.3	10	450	7500	540	1000	117	20	45	170	70	340	121	173
130-350-T1-F2	350	355.6	114.3	10	450	7500	1001	1500	117	20	45	170	70	340	173	230
130-350-T1-G1	350	355.6	114.3	12	450	10920	570	1000	117	20	52	170	85	340	129	178
130-350-T1-G2	350	355.6	114.3	12	450	10920	1001	1500	117	20	52	195	85	390	233	311
130-350-T1-H1	350	355.6	114.3	15	450	14960	570	1000	117	25	60	195	90	390	183	251
130-350-T1-H2	350	355.6	114.3	15	450	14960	1001	1500	117	25	60	195	90	390	251	329
130-350-T1-I1	350	355.6	114.3	20	450	19640	600	1000	117	30	76	195	105	390	212	274
130-350-T1-I2	350	355.6	114.3	20	450	19640	1001	1500	117	30	76	220	105	440	343	446
130-350-T1-J1	350	355.6	114.3	20	450	27120	640	1000	117	30	85	220	120	440	276	349
130-350-T1-J2	350	355.6	114.3	20	450	27120	1001	1500	117	30	85	245	120	490	427	557
130-400-T1-B1	400	406.4	141.3	10	450	1120	560	1500	144	10	19	115	25	230	44	87
130-400-T1-B2	400	406.4	141.3	10	450	1120	1501	2000	144	10	19	130	25	260	99	125
130-400-T1-C1	400	406.4	141.3	10	450	2080	560	1500	144	12	27	155	35	310	78	156
130-400-T1-C2	400	406.4	141.3	10	450	2080	1501	2000	144	12	27	155	35	310	156	197
130-400-T1-D1	400	406.4	141.3	10	450	3260	560	1500	144	15	33	155	45	310	86	164
130-400-T1-D2	400	406.4	141.3	10	450	3260	1501	2000	144	15	33	155	45	310	164	205
130-400-T1-E1	400	406.4	141.3	10	450	4720	560	1500	144	15	39	155	65	310	88	166
130-400-T1-E2	400	406.4	141.3	10	450	4720	1501	2000	144	15	39	180	65	360	231	291
130-400-T1-F1	400	406.4	141.3	10	450	7500	590	1500	144	20	45	180	70	360	138	247
130-400-T1-F2	400	406.4	141.3	10	450	7500	1501	2000	144	20	45	205	70	410	326	408
130-400-T1-G1	400	406.4	141.3	12	450	10920	620	1500	144	20	52	205	85	410	187	331
130-400-T1-G2	400	406.4	141.3	12	450	10920	1501	2000	144	20	52	205	85	410	331	413
130-400-T1-H1	400	406.4	141.3	15	450	14960	620	1500	144	25	60	205	90	410	207	352
130-400-T1-H2	400	406.4	141.3	15	450	14960	1501	2000	144	25	60	230	90	460	445	552

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-400-T1-I1	400	406.4	141.3	20	450	19640	650	1500	144	30	76	230	105	460	292	474
130-400-T1-I2	400	406.4	141.3	20	450	19640	1501	2000	144	30	76	255	105	510	583	718
130-400-T1-J1	400	406.4	141.3	20	450	27120	690	1500	144	30	85	255	120	510	370	590
130-400-T1-J2	400	406.4	141.3	20	450	27120	1501	2000	144	30	85	255	120	510	590	726
130-400-T1-K1	400	406.4	141.3	25	450	35800	690	1500	144	35	85	255	120	510	400	621
130-400-T1-K2	400	406.4	141.3	25	450	35800	1501	2000	144	35	85	280	120	560	745	912
130-450-T1-B1	450	457.2	141.3	10	450	1120	610	1500	144	10	19	115	25	230	49	90
130-450-T1-B2	450	457.2	141.3	10	450	1120	1501	2000	144	10	19	130	25	260	101	127
130-450-T1-C1	450	457.2	141.3	10	450	2080	610	1500	144	12	27	155	35	310	86	159
130-450-T1-C2	450	457.2	141.3	10	450	2080	1501	2000	144	12	27	155	35	310	159	201
130-450-T1-D1	450	457.2	141.3	10	450	3260	620	1500	144	15	33	155	45	310	95	168
130-450-T1-D2	450	457.2	141.3	10	450	3260	1501	2000	144	15	33	155	45	310	168	209
130-450-T1-E1	450	457.2	141.3	10	450	4720	620	1500	144	15	39	155	65	310	97	170
130-450-T1-E2	450	457.2	141.3	10	450	4720	1501	2000	144	15	39	180	65	360	236	296
130-450-T1-F1	450	457.2	141.3	10	450	7500	640	1500	144	20	45	180	70	360	151	254
130-450-T1-F2	450	457.2	141.3	10	450	7500	1501	2000	144	20	45	205	70	410	334	416
130-450-T1-G1	450	457.2	141.3	12	450	10920	670	1500	144	20	52	205	85	410	203	340
130-450-T1-G2	450	457.2	141.3	12	450	10920	1501	2000	144	20	52	205	85	410	340	422
130-450-T1-H1	450	457.2	141.3	15	450	14960	670	1500	144	25	60	205	90	410	225	361
130-450-T1-H2	450	457.2	141.3	15	450	14960	1501	2000	144	25	60	230	90	460	456	563
130-450-T1-I1	450	457.2	141.3	20	450	19640	700	1500	144	30	76	230	105	460	316	488
130-450-T1-I2	450	457.2	141.3	20	450	19640	1501	2000	144	30	76	255	105	510	597	733
130-450-T1-J1	450	457.2	141.3	20	450	27120	740	1500	144	30	85	255	120	510	398	605
130-450-T1-J2	450	457.2	141.3	20	450	27120	1501	2000	144	30	85	255	120	510	606	741
130-450-T1-K1	450	457.2	141.3	25	450	35800	740	1500	144	35	85	255	120	510	431	638
130-450-T1-K2	450	457.2	141.3	25	450	35800	1501	2000	144	35	85	280	120	560	763	931
130-450-T1-L1	450	457.2	141.3	25	450	45480	780	1500	144	40	85	280	120	560	558	800
130-450-T1-L2	450	457.2	141.3	25	450	45480	1501	2000	144	40	85	305	120	610	942	1145
130-500-T1-B1	500	508	168.3	10	450	1120	660	1500	171	10	19	125	25	250	56	98
130-500-T1-B2	500	508	168.3	10	450	1120	1501	2000	171	10	19	140	25	280	110	138
130-500-T1-C1	500	508	168.3	10	450	2080	660	1500	171	12	27	165	35	330	97	171
130-500-T1-C2	500	508	168.3	10	450	2080	1501	2000	171	12	27	165	35	330	171	215
130-500-T1-D1	500	508	168.3	10	450	3260	670	1500	171	15	33	165	45	330	108	181
130-500-T1-D2	500	508	168.3	10	450	3260	1501	2000	171	15	33	165	45	330	181	225
130-500-T1-E1	500	508	168.3	10	450	4720	670	1500	171	15	39	165	65	330	110	184
130-500-T1-E2	500	508	168.3	10	450	4720	1501	2000	171	15	39	190	65	380	252	315
130-500-T1-F1	500	508	168.3	10	450	7500	700	1500	171	20	45	190	70	380	171	272
130-500-T1-F2	500	508	168.3	10	450	7500	1501	2000	171	20	45	215	70	430	355	441
130-500-T1-G1	500	508	168.3	12	450	10920	720	1500	171	20	52	215	85	430	227	361
130-500-T1-G2	500	508	168.3	12	450	10920	1501	2000	171	20	52	215	85	430	361	447
130-500-T1-H1	500	508	168.3	15	450	14960	730	1500	171	25	60	215	90	430	253	385
130-500-T1-H2	500	508	168.3	15	450	14960	1501	2000	171	25	60	240	90	480	483	595
130-500-T1-I1	500	508	168.3	20	450	19640	750	1500	171	30	76	240	105	480	350	518
130-500-T1-I2	500	508	168.3	20	450	19640	1501	2000	171	30	76	265	105	530	631	772
130-500-T1-J1	500	508	168.3	20	450	27120	790	1500	171	30	85	265	120	530	438	639
130-500-T1-J2	500	508	168.3	20	450	27120	1501	2000	171	30	85	265	120	530	640	781
130-500-T1-K1	500	508	168.3	25	450	35800	800	1500	171	35	85	265	120	530	477	675
130-500-T1-K2	500	508	168.3	25	450	35800	1501	2000	171	35	85	290	120	580	804	978
130-500-T1-L1	500	508	168.3	25	450	45480	840	1500	171	40	85	290	120	580	614	844
130-500-T1-L2	500	508	168.3	25	450	45480	1501	2000	171	40	85	315	120	630	989	1199
130-500-T1-M1	500	508	168.3	25	450	57200	840	1500	171	40	85	315	120	630	711	989
130-500-T1-M2	500	508	168.3	25	450	57200	1501	2000	171	40	85	315	120	630	989	1199
130-550-T1-C1	550	558.8	168.3	10	450	2080	710	1500	171	12	27	165	35	330	105	174
130-550-T1-C2	550	558.8	168.3	10	450	2080	1501	2000	171	12	27	165	35	330	175	219
130-550-T1-D1	550	558.8	168.3	10	450	3260	720	1500	171	15	33	165	45	330	116	185
130-550-T1-D2	550	558.8	168.3	10	450	3260	1501	2000	171	15	33	165	45	330	185	229
130-550-T1-E1	550	558.8	168.3	10	450	4720	720	1500	171	15	39	165	65	330	119	188
130-550-T1-E2	550	558.8	168.3	10	450	4720	1501	2000	171	15	39	190	65	380	257	321
130-550-T1-F1	550	558.8	168.3	10	450	7500	750	1500	171	20	45	190	70	380	184	279
130-550-T1-F2	550	558.8	168.3	10	450	7500	1501	2000	171	20	45	215	70	430	363	449
130-550-T1-G1	550	558.8	168.3	12	450	10920	770	1500	171	20	52	215	85	430	243	369
130-550-T1-G2	550	558.8	168.3	12	450	10920	1501	2000	171	20	52	215	85	430	369	455
130-550-T1-H1	550	558.8	168.3	15	450	14960	780	1500	171	25	60	215	90	430	271	395
130-550-T1-H2	550	558.8	168.3	15	450	14960	1501	2000	171	25	60	240	90	480	494	606

FLAT PLATE RISER CLAMP - FIG 130



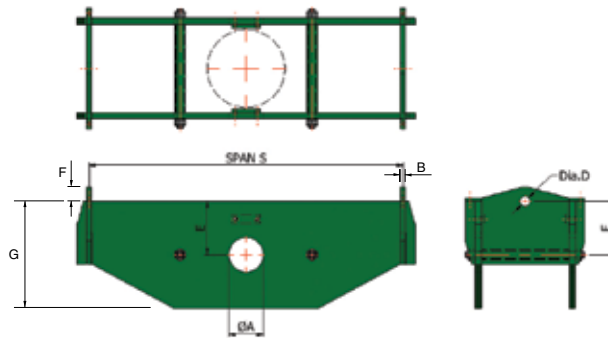
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-550-T1-I1	550	558.8	168.3	20	450	19640	800	1500	171	30	76	240	105	480	374	531
130-550-T1-I2	550	558.8	168.3	20	450	19640	1501	2000	171	30	76	265	105	530	645	786
130-550-T1-J1	550	558.8	168.3	20	450	27120	840	1500	171	30	85	265	120	530	468	654
130-550-T1-J2	550	558.8	168.3	20	450	27120	1501	2000	171	30	85	265	120	530	655	796
130-550-T1-K1	550	558.8	168.3	25	450	35800	850	1500	171	35	85	265	120	530	508	692
130-550-T1-K2	550	558.8	168.3	25	450	35800	1501	2000	171	35	85	290	120	580	822	996
130-550-T1-L1	550	558.8	168.3	25	450	45480	890	1500	171	40	85	290	120	580	653	865
130-550-T1-L2	550	558.8	168.3	25	450	45480	1501	2000	171	40	85	315	120	630	1012	1222
130-550-T1-M1	550	558.8	168.3	25	450	57200	890	1500	171	40	85	315	120	630	755	1012
130-550-T1-M2	550	558.8	168.3	25	450	57200	1501	2000	171	40	85	315	120	630	1012	1222
130-600-T1-C1	600	609.6	219.1	10	450	2080	770	1500	223	12	27	185	35	370	123	195
130-600-T1-C2	600	609.6	219.1	10	450	2080	1501	2000	223	12	27	185	35	370	195	244
130-600-T1-D1	600	609.6	219.1	10	450	3260	770	1500	223	15	33	185	45	370	135	207
130-600-T1-D2	600	609.6	219.1	10	450	3260	1501	2000	223	15	33	185	45	370	207	257
130-600-T1-E1	600	609.6	219.1	10	450	4720	770	1500	223	15	39	185	65	370	138	210
130-600-T1-E2	600	609.6	219.1	10	450	4720	1501	2000	223	15	39	210	65	420	284	354
130-600-T1-F1	600	609.6	219.1	10	450	7500	800	1500	223	20	45	210	70	420	211	309
130-600-T1-F2	600	609.6	219.1	10	450	7500	1501	2000	223	20	45	235	70	470	397	491
130-600-T1-G1	600	609.6	219.1	12	450	10920	820	1500	223	20	52	235	85	470	276	404
130-600-T1-G2	600	609.6	219.1	12	450	10920	1501	2000	223	20	52	235	85	470	404	498
130-600-T1-H1	600	609.6	219.1	15	450	14960	830	1500	223	25	60	235	90	470	307	433
130-600-T1-H2	600	609.6	219.1	15	450	14960	1501	2000	223	25	60	260	90	520	537	658
130-600-T1-I1	600	609.6	219.1	20	450	19640	860	1500	223	30	76	260	105	520	423	578
130-600-T1-I2	600	609.6	219.1	20	450	19640	1501	2000	223	30	76	285	105	570	697	849
130-600-T1-J1	600	609.6	219.1	20	450	27120	890	1500	223	30	85	285	120	570	522	707
130-600-T1-J2	600	609.6	219.1	20	450	27120	1501	2000	223	30	85	285	120	570	708	859
130-600-T1-K1	600	609.6	219.1	25	450	35800	900	1500	223	35	85	285	120	570	567	749
130-600-T1-K2	600	609.6	219.1	25	450	35800	1501	2000	223	35	85	310	120	620	885	1071
130-600-T1-L1	600	609.6	219.1	25	450	45480	940	1500	223	40	85	310	120	620	724	933
130-600-T1-L2	600	609.6	219.1	25	450	45480	1501	2000	223	40	85	335	120	670	1085	1308
130-600-T1-M1	600	609.6	219.1	25	450	57200	940	1500	223	40	85	335	120	670	834	1085
130-600-T1-M2	600	609.6	219.1	25	450	57200	1501	2000	223	40	85	335	120	670	1085	1308
130-650-T1-C1	650	660.4	219.1	10	450	2080	820	1500	223	12	27	185	35	370	132	199
130-650-T1-C2	650	660.4	219.1	10	450	2080	1501	2000	223	12	27	185	35	370	199	248
130-650-T1-D1	650	660.4	219.1	10	450	3260	820	1500	223	15	33	185	45	370	145	212
130-650-T1-D2	650	660.4	219.1	10	450	3260	1501	2000	223	15	33	185	45	370	212	261
130-650-T1-E1	650	660.4	219.1	10	450	4720	820	1500	223	15	39	185	65	370	148	216
130-650-T1-E2	650	660.4	219.1	10	450	4720	1501	2000	223	15	39	210	65	420	290	360
130-650-T1-F1	650	660.4	219.1	10	450	7500	850	1500	223	20	45	210	70	420	225	316
130-650-T1-F2	650	660.4	219.1	10	450	7500	1501	2000	223	20	45	235	70	470	405	499
130-650-T1-G1	650	660.4	219.1	12	450	10920	870	1500	223	20	52	235	85	470	294	413
130-650-T1-G2	650	660.4	219.1	12	450	10920	1501	2000	223	20	52	235	85	470	413	507
130-650-T1-H1	650	660.4	219.1	15	450	14960	880	1500	223	25	60	235	90	470	328	444
130-650-T1-H2	650	660.4	219.1	15	450	14960	1501	2000	223	25	60	260	90	520	549	670
130-650-T1-I1	650	660.4	219.1	20	450	19640	910	1500	223	30	76	260	105	520	450	593
130-650-T1-I2	650	660.4	219.1	20	450	19640	1501	2000	223	30	76	285	105	570	713	865
130-650-T1-J1	650	660.4	219.1	20	450	27120	940	1500	223	30	85	285	120	570	554	724
130-650-T1-J2	650	660.4	219.1	20	450	27120	1501	2000	223	30	85	285	120	570	724	876

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-650-T1-K1	650	660.4	219.1	25	450	35800	950	1500	223	35	85	285	120	570	601	768
130-650-T1-K2	650	660.4	219.1	25	450	35800	1501	2000	223	35	85	310	120	620	906	1091
130-650-T1-L1	650	660.4	219.1	25	450	45480	990	1500	223	40	85	310	120	620	766	956
130-650-T1-L2	650	660.4	219.1	25	450	45480	1501	2000	223	40	85	335	120	670	1110	1333
130-650-T1-M1	650	660.4	219.1	25	450	57200	990	1500	223	40	85	335	120	670	882	1110
130-650-T1-M2	650	660.4	219.1	25	450	57200	1501	2000	223	40	85	335	120	670	1110	1333
130-700-T1-C1	700	711.2	219.1	10	450	2080	870	1500	223	12	27	185	35	370	140	203
130-700-T1-C2	700	711.2	219.1	10	450	2080	1501	2000	223	12	27	185	35	370	203	252
130-700-T1-D1	700	711.2	219.1	10	450	3260	870	1500	223	15	33	185	45	370	155	217
130-700-T1-D2	700	711.2	219.1	10	450	3260	1501	2000	223	15	33	185	45	370	217	266
130-700-T1-E1	700	711.2	219.1	10	450	4720	870	1500	223	15	39	185	65	370	158	221
130-700-T1-E2	700	711.2	219.1	10	450	4720	1501	2000	223	15	39	210	65	420	296	365
130-700-T1-F1	700	711.2	219.1	10	450	7500	900	1500	223	20	45	210	70	420	240	324
130-700-T1-F2	700	711.2	219.1	10	450	7500	1501	2000	223	20	45	235	70	470	414	508
130-700-T1-G1	700	711.2	219.1	12	450	10920	930	1500	223	20	52	235	85	470	314	422
130-700-T1-G2	700	711.2	219.1	12	450	10920	1501	2000	223	20	52	235	85	470	422	516
130-700-T1-H1	700	711.2	219.1	15	450	14960	930	1500	223	25	60	235	90	470	348	455
130-700-T1-H2	700	711.2	219.1	15	450	14960	1501	2000	223	25	60	260	90	520	561	682
130-700-T1-I1	700	711.2	219.1	20	450	19640	960	1500	223	30	76	260	105	520	476	607
130-700-T1-I2	700	711.2	219.1	20	450	19640	1501	2000	223	30	76	285	105	570	729	881
130-700-T1-J1	700	711.2	219.1	20	450	27120	1000	1500	223	30	85	285	120	570	588	740
130-700-T1-J2	700	711.2	219.1	20	450	27120	1501	2000	223	30	85	285	120	570	741	892
130-700-T1-K1	700	711.2	219.1	25	450	35800	1000	1500	223	35	85	285	120	570	634	786
130-700-T1-K2	700	711.2	219.1	25	450	35800	1501	2000	223	35	85	310	120	620	926	1111
130-700-T1-L1	700	711.2	219.1	25	450	45480	1040	1500	223	40	85	310	120	620	807	979
130-700-T1-L2	700	711.2	219.1	25	450	45480	1501	2000	223	40	85	335	120	670	1134	1358
130-700-T1-M1	700	711.2	219.1	25	450	57200	1040	1500	223	40	85	335	120	670	928	1134
130-700-T1-M2	700	711.2	219.1	25	450	57200	1501	2000	223	40	85	335	120	670	1134	1358
130-750-T1-D1	750	762	273.1	10	450	3260	920	1500	278	15	33	205	45	410	175	239
130-750-T1-D2	750	762	273.1	10	450	3260	1501	2000	278	15	33	205	45	410	239	294
130-750-T1-E1	750	762	273.1	10	450	4720	920	1500	278	15	39	205	65	410	179	243
130-750-T1-E2	750	762	273.1	10	450	4720	1501	2000	278	15	39	230	65	460	322	398
130-750-T1-F1	750	762	273.1	10	450	7500	950	1500	278	20	45	230	70	460	269	354
130-750-T1-F2	750	762	273.1	10	450	7500	1501	2000	278	20	45	255	70	510	448	550
130-750-T1-G1	750	762	273.1	12	450	10920	980	1500	278	20	52	255	85	510	350	456
130-750-T1-G2	750	762	273.1	12	450	10920	1501	2000	278	20	52	255	85	510	456	558
130-750-T1-H1	750	762	273.1	15	450	14960	980	1500	278	25	60	255	90	510	387	494
130-750-T1-H2	750	762	273.1	15	450	14960	1501	2000	278	25	60	280	90	560	604	734
130-750-T1-I1	750	762	273.1	20	450	19640	1010	1500	278	30	76	280	105	560	527	655
130-750-T1-I2	750	762	273.1	20	450	19640	1501	2000	278	30	76	305	105	610	781	944
130-750-T1-J1	750	762	273.1	20	450	27120	1050	1500	278	30	85	305	120	610	647	793
130-750-T1-J2	750	762	273.1	20	450	27120	1501	2000	278	30	85	305	120	610	794	956
130-750-T1-K1	750	762	273.1	25	450	35800	1050	1500	278	35	85	305	120	610	698	844
130-750-T1-K2	750	762	273.1	25	450	35800	1501	2000	278	35	85	330	120	660	988	1186
130-750-T1-L1	750	762	273.1	25	450	45480	1090	1500	278	40	85	330	120	660	884	1047
130-750-T1-L2	750	762	273.1	25	450	45480	1501	2000	278	40	85	355	120	710	1208	1444
130-750-T1-M1	750	762	273.1	25	450	57200	1090	1500	278	40	85	355	120	710	1013	1207
130-750-T1-M2	750	762	273.1	25	450	57200	1501	2000	278	40	85	355	120	710	1208	1444
130-800-T1-D1	800	812.8	273.1	10	450	3260	980	1500	278	15	33	205	45	410	187	244
130-800-T1-D2	800	812.8	273.1	10	450	3260	1501	2000	278	15	33	205	45	410	244	299
130-800-T1-E1	800	812.8	273.1	10	450	4720	980	1500	278	15	39	205	65	410	191	248
130-800-T1-E2	800	812.8	273.1	10	450	4720	1501	2000	278	15	39	230	65	460	328	404
130-800-T1-F1	800	812.8	273.1	10	450	7500	1000	1500	278	20	45	230	70	460	285	362
130-800-T1-F2	800	812.8	273.1	10	450	7500	1501	2000	278	20	45	255	70	510	457	559
130-800-T1-G1	800	812.8	273.1	12	450	10920	1030	1500	278	20	52	255	85	510	370	465
130-800-T1-G2	800	812.8	273.1	12	450	10920	1501	2000	278	20	52	255	85	510	466	568
130-800-T1-H1	800	812.8	273.1	15	450	14960	1030	1500	278	25	60	255	90	510	409	505
130-800-T1-H2	800	812.8	273.1	15	450	14960	1501	2000	278	25	60	280	90	560	617	747
130-800-T1-I1	800	812.8	273.1	20	450	19640	1060	1500	278	30	76	280	105	560	555	670
130-800-T1-I2	800	812.8	273.1	20	450	19640	1501	2000	278	30	76	305	105	610	798	960
130-800-T1-J1	800	812.8	273.1	20	450	27120	1100	1500	278	30	85	305	120	610	680	811
130-800-T1-J2	800	812.8	273.1	20	450	27120	1501	2000	278	30	85	305	120	610	811	973
130-800-T1-K1	800	812.8	273.1	25	450	35800	1100	1500	278	35	85	305	120	610	733	864
130-800-T1-K2	800	812.8	273.1	25	450	35800	1501	2000	278	35	85	330	120	660	1009	1207

FLAT PLATE RISER CLAMP - FIG 130



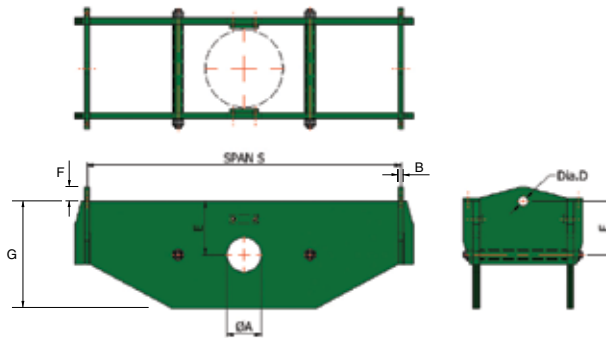
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-800-T1-L1	800	812.8	273.1	25	450	45480	1140	1500	278	40	85	330	120	660	928	1071
130-800-T1-L2	800	812.8	273.1	25	450	45480	1501	2000	278	40	85	355	120	710	1233	1470
130-800-T1-M1	800	812.8	273.1	25	450	57200	1140	1500	278	40	85	355	120	710	1062	1233
130-800-T1-M2	800	812.8	273.1	25	450	57200	1501	2000	278	40	85	355	120	710	1233	1470
130-850-T1-D1	850	863.6	273.1	10	450	3260	1020	1750	278	15	33	205	45	410	197	277
130-850-T1-D2	850	863.6	273.1	10	450	3260	1751	2250	278	15	33	230	45	460	368	444
130-850-T1-E1	850	863.6	273.1	10	450	4720	1020	1750	278	15	39	230	65	460	260	372
130-850-T1-E2	850	863.6	273.1	10	450	4720	1751	2250	278	15	39	230	65	460	372	449
130-850-T1-F1	850	863.6	273.1	10	450	7500	1050	1750	278	20	45	230	70	460	301	408
130-850-T1-F2	850	863.6	273.1	10	450	7500	1751	2250	278	20	45	255	70	510	517	619
130-850-T1-G1	850	863.6	273.1	12	450	10920	1080	1750	278	20	52	255	85	510	389	526
130-850-T1-G2	850	863.6	273.1	12	450	10920	1751	2250	278	20	52	255	85	510	526	628
130-850-T1-H1	850	863.6	273.1	15	450	14960	1080	1750	278	25	60	280	90	560	518	694
130-850-T1-H2	850	863.6	273.1	15	450	14960	1751	2250	278	25	60	280	90	560	694	824
130-850-T1-I1	850	863.6	273.1	20	450	19640	1110	1750	278	30	76	280	105	560	582	750
130-850-T1-I2	850	863.6	273.1	20	450	19640	1751	2250	278	30	76	305	105	610	895	1057
130-850-T1-J1	850	863.6	273.1	20	450	27120	1150	1750	278	30	85	305	120	610	713	908
130-850-T1-J2	850	863.6	273.1	20	450	27120	1751	2250	278	30	85	330	120	660	1068	1266
130-850-T1-K1	850	863.6	273.1	25	450	35800	1150	1750	278	35	85	330	120	660	890	1128
130-850-T1-K2	850	863.6	273.1	25	450	35800	1751	2250	278	35	85	330	120	660	1128	1326
130-850-T1-L1	850	863.6	273.1	25	450	45480	1190	1750	278	40	85	330	120	660	970	1192
130-850-T1-L2	850	863.6	273.1	25	450	45480	1751	2250	278	40	85	355	120	710	1376	1612
130-850-T1-M1	850	863.6	273.1	25	450	57200	1190	1750	278	40	85	355	120	710	1110	1376
130-850-T1-M2	850	863.6	273.1	25	450	57200	1751	2250	278	40	85	405	120	810	1787	2111
130-900-T1-D1	900	914.4	273.1	10	450	3260	1080	1750	278	15	33	205	45	410	209	282
130-900-T1-D2	900	914.4	273.1	10	450	3260	1751	2250	278	15	33	230	45	460	374	451
130-900-T1-E1	900	914.4	273.1	10	450	4720	1080	1750	278	15	39	230	65	460	276	379
130-900-T1-E2	900	914.4	273.1	10	450	4720	1751	2250	278	15	39	230	65	460	379	455
130-900-T1-F1	900	914.4	273.1	10	450	7500	1110	1750	278	20	45	230	70	460	318	417
130-900-T1-F2	900	914.4	273.1	10	450	7500	1751	2250	278	20	45	255	70	510	526	628
130-900-T1-G1	900	914.4	273.1	12	450	10920	1130	1750	278	20	52	255	85	510	409	536
130-900-T1-G2	900	914.4	273.1	12	450	10920	1751	2250	278	20	52	255	85	510	536	638
130-900-T1-H1	900	914.4	273.1	15	450	14960	1140	1750	278	25	60	280	90	560	548	707
130-900-T1-H2	900	914.4	273.1	15	450	14960	1751	2250	278	25	60	280	90	560	707	838
130-900-T1-I1	900	914.4	273.1	20	450	19640	1160	1750	278	30	76	280	105	560	611	766
130-900-T1-I2	900	914.4	273.1	20	450	19640	1751	2250	278	30	76	305	105	610	912	1075
130-900-T1-J1	900	914.4	273.1	20	450	27120	1200	1750	278	30	85	305	120	610	747	926
130-900-T1-J2	900	914.4	273.1	20	450	27120	1751	2250	278	30	85	330	120	660	1088	1286
130-900-T1-K1	900	914.4	273.1	25	450	35800	1210	1750	278	35	85	330	120	660	936	1150
130-900-T1-K2	900	914.4	273.1	25	450	35800	1751	2250	278	35	85	330	120	660	1150	1348
130-900-T1-L1	900	914.4	273.1	25	450	45480	1250	1750	278	40	85	330	120	660	1019	1217
130-900-T1-L2	900	914.4	273.1	25	450	45480	1751	2250	278	40	85	355	120	710	1403	1639
130-900-T1-M1	900	914.4	273.1	25	450	57200	1250	1750	278	40	85	355	120	710	1166	1403
130-900-T1-M2	900	914.4	273.1	25	450	57200	1751	2250	278	40	85	405	120	810	1818	2142
130-950-T1-D1	950	965.2	273.1	10	450	3260	1130	1750	278	15	33	205	45	410	219	287
130-950-T1-D2	950	965.2	273.1	10	450	3260	1751	2250	278	15	33	230	45	460	380	457
130-950-T1-E1	950	965.2	273.1	10	450	4720	1130	1750	278	15	39	230	65	460	290	385
130-950-T1-E2	950	965.2	273.1	10	450	4720	1751	2250	278	15	39	230	65	460	385	462

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-950-T1-F1	950	965.2	273.1	10	450	7500	1160	1750	278	20	45	230	70	460	334	424
130-950-T1-F2	950	965.2	273.1	10	450	7500	1751	2250	278	20	45	255	70	510	535	637
130-950-T1-G1	950	965.2	273.1	12	450	10920	1180	1750	278	20	52	255	85	510	429	545
130-950-T1-G2	950	965.2	273.1	12	450	10920	1751	2250	278	20	52	255	85	510	545	647
130-950-T1-H1	950	965.2	273.1	15	450	14960	1190	1750	278	25	60	280	90	560	573	720
130-950-T1-H2	950	965.2	273.1	15	450	14960	1751	2250	278	25	60	280	90	560	720	850
130-950-T1-I1	950	965.2	273.1	20	450	19640	1210	1750	278	30	76	280	105	560	639	780
130-950-T1-I2	950	965.2	273.1	20	450	19640	1751	2250	278	30	76	305	105	610	929	1091
130-950-T1-J1	950	965.2	273.1	20	450	27120	1250	1750	278	30	85	305	120	610	780	943
130-950-T1-J2	950	965.2	273.1	20	450	27120	1751	2250	278	30	85	330	120	660	1106	1304
130-950-T1-K1	950	965.2	273.1	25	450	35800	1260	1750	278	35	85	330	120	660	976	1171
130-950-T1-K2	950	965.2	273.1	25	450	35800	1751	2250	278	35	85	330	120	660	1171	1369
130-950-T1-L1	950	965.2	273.1	25	450	45480	1300	1750	278	40	85	330	120	660	1062	1240
130-950-T1-L2	950	965.2	273.1	25	450	45480	1751	2250	278	40	85	355	120	710	1428	1665
130-950-T1-M1	950	965.2	273.1	25	450	57200	1300	1750	278	40	85	355	120	710	1214	1428
130-950-T1-M2	950	965.2	273.1	25	450	57200	1751	2250	278	40	85	405	120	810	1847	2171
130-1000-T1-D1	1000	1016	273.1	10	450	3260	1180	1750	278	15	33	205	45	410	230	293
130-1000-T1-D2	1000	1016	273.1	10	450	3260	1751	2250	278	15	33	230	45	460	386	463
130-1000-T1-E1	1000	1016	273.1	10	450	4720	1180	1750	278	15	39	230	65	460	304	391
130-1000-T1-E2	1000	1016	273.1	10	450	4720	1751	2250	278	15	39	230	65	460	391	468
130-1000-T1-F1	1000	1016	273.1	10	450	7500	1210	1750	278	20	45	230	70	460	350	432
130-1000-T1-F2	1000	1016	273.1	10	450	7500	1751	2250	278	20	45	255	70	510	544	646
130-1000-T1-G1	1000	1016	273.1	12	450	10920	1230	1750	278	20	52	255	85	510	448	554
130-1000-T1-G2	1000	1016	273.1	12	450	10920	1751	2250	278	20	52	255	85	510	554	656
130-1000-T1-H1	1000	1016	273.1	15	450	14960	1240	1750	278	25	60	280	90	560	599	732
130-1000-T1-H2	1000	1016	273.1	15	450	14960	1751	2250	278	25	60	280	90	560	732	863
130-1000-T1-I1	1000	1016	273.1	20	450	19640	1260	1750	278	30	76	280	105	560	667	795
130-1000-T1-I2	1000	1016	273.1	20	450	19640	1751	2250	278	30	76	305	105	610	945	1107
130-1000-T1-J1	1000	1016	273.1	20	450	27120	1300	1750	278	30	85	305	120	610	813	960
130-1000-T1-J2	1000	1016	273.1	20	450	27120	1751	2250	278	30	85	330	120	660	1124	1322
130-1000-T1-K1	1000	1016	273.1	25	450	35800	1310	1750	278	35	85	330	120	660	1017	1191
130-1000-T1-K2	1000	1016	273.1	25	450	35800	1751	2250	278	35	85	330	120	660	1192	1389
130-1000-T1-L1	1000	1016	273.1	25	450	45480	1350	1750	278	40	85	330	120	660	1105	1264
130-1000-T1-L2	1000	1016	273.1	25	450	45480	1751	2250	278	40	85	355	120	710	1453	1690
130-1000-T1-M1	1000	1016	273.1	25	450	57200	1350	1750	278	40	85	355	120	710	1263	1453
130-1000-T1-M2	1000	1016	273.1	25	450	57200	1751	2250	278	40	85	405	120	810	1876	2199
130-250-T2-B1	250	273	88.9	10	550	1120	420	1000	91	10	19	110	25	220	33	58
130-250-T2-B2	250	273	88.9	10	550	1120	1001	1500	91	10	19	135	25	270	91	127
130-250-T2-C1	250	273	88.9	10	550	2080	430	1000	91	12	27	135	35	270	53	95
130-250-T2-C2	250	273	88.9	10	550	2080	1001	1500	91	12	27	135	35	270	95	131
130-250-T2-D1	250	273	88.9	10	550	3260	430	1000	91	15	33	135	45	270	59	100
130-250-T2-D2	250	273	88.9	10	550	3260	1001	1500	91	15	33	160	45	320	142	195
130-250-T2-E1	250	273	88.9	10	550	4720	430	1000	91	15	39	160	65	320	83	144
130-250-T2-E2	250	273	88.9	10	550	4720	1001	1500	91	15	39	160	65	320	144	197
130-250-T2-F1	250	273	88.9	10	550	7500	460	1000	91	20	45	160	70	320	97	155
130-250-T2-F2	250	273	88.9	10	550	7500	1001	1500	91	20	45	185	70	370	207	281
130-250-T2-G1	250	273	88.9	12	550	10920	480	1000	91	20	52	185	85	370	134	211
130-250-T2-G2	250	273	88.9	12	550	10920	1001	1500	91	20	52	210	85	420	271	369
130-250-T2-H1	250	273	88.9	15	550	14960	490	1000	91	25	60	210	90	420	188	288
130-250-T2-H2	250	273	88.9	15	550	14960	1001	1500	91	25	60	235	90	470	359	484
130-300-T2-B1	300	323.9	114.3	10	550	1120	480	1000	117	10	19	120	25	240	40	65
130-300-T2-B2	300	323.9	114.3	10	550	1120	1001	1500	117	10	19	145	25	290	99	138
130-300-T2-C1	300	323.9	114.3	10	550	2080	480	1000	117	12	27	145	35	290	63	103
130-300-T2-C2	300	323.9	114.3	10	550	2080	1001	1500	117	12	27	145	35	290	103	142
130-300-T2-D1	300	323.9	114.3	10	550	3260	480	1000	117	15	33	145	45	290	70	110
130-300-T2-D2	300	323.9	114.3	10	550	3260	1001	1500	117	15	33	170	45	340	154	210
130-300-T2-E1	300	323.9	114.3	10	550	4720	480	1000	117	15	39	170	65	340	97	156
130-300-T2-E2	300	323.9	114.3	10	550	4720	1001	1500	117	15	39	170	65	340	156	212
130-300-T2-F1	300	323.9	114.3	10	550	7500	510	1000	117	20	45	170	70	340	114	169
130-300-T2-F2	300	323.9	114.3	10	550	7500	1001	1500	117	20	45	195	70	390	223	301
130-300-T2-G1	300	323.9	114.3	12	550	10920	530	1000	117	20	52	195	85	390	154	228
130-300-T2-G2	300	323.9	114.3	12	550	10920	1001	1500	117	20	52	220	85	440	290	393
130-300-T2-H1	300	323.9	114.3	15	550	14960	540	1000	117	25	60	220	90	440	215	309
130-300-T2-H2	300	323.9	114.3	15	550	14960	1001	1500	117	25	60	245	90	490	383	513

FLAT PLATE RISER CLAMP - FIG 130



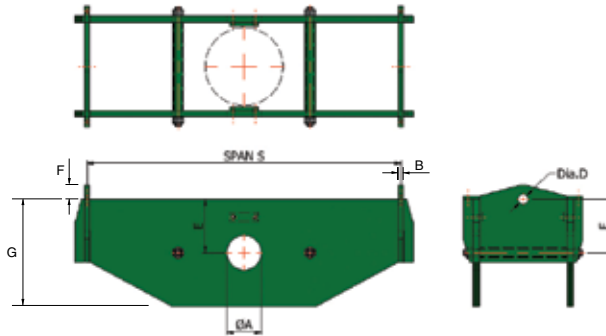
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-300-T2-I1	300	323.9	114.3	20	550	19640	570	1000	117	30	76	220	105	440	247	335
130-300-T2-I2	300	323.9	114.3	20	550	19640	1001	1500	117	30	76	245	105	490	411	542
130-350-T2-B1	350	355.6	114.3	10	550	1120	510	1000	117	10	19	120	25	240	43	66
130-350-T2-B2	350	355.6	114.3	10	550	1120	1001	1500	117	10	19	145	25	290	101	140
130-350-T2-C1	350	355.6	114.3	10	550	2080	510	1000	117	12	27	145	35	290	68	105
130-350-T2-C2	350	355.6	114.3	10	550	2080	1001	1500	117	12	27	145	35	290	106	144
130-350-T2-D1	350	355.6	114.3	10	550	3260	510	1000	117	15	33	145	45	290	74	112
130-350-T2-D2	350	355.6	114.3	10	550	3260	1001	1500	117	15	33	170	45	340	157	213
130-350-T2-E1	350	355.6	114.3	10	550	4720	510	1000	117	15	39	170	65	340	103	159
130-350-T2-E2	350	355.6	114.3	10	550	4720	1001	1500	117	15	39	170	65	340	159	215
130-350-T2-F1	350	355.6	114.3	10	550	7500	540	1000	117	20	45	170	70	340	121	173
130-350-T2-F2	350	355.6	114.3	10	550	7500	1001	1500	117	20	45	195	70	390	228	306
130-350-T2-G1	350	355.6	114.3	12	550	10920	570	1000	117	20	52	195	85	390	166	233
130-350-T2-G2	350	355.6	114.3	12	550	10920	1001	1500	117	20	52	220	85	440	296	398
130-350-T2-H1	350	355.6	114.3	15	550	14960	570	1000	117	25	60	220	90	440	228	316
130-350-T2-H2	350	355.6	114.3	15	550	14960	1001	1500	117	25	60	245	90	490	390	520
130-350-T2-I1	350	355.6	114.3	20	550	19640	600	1000	117	30	76	220	105	440	261	343
130-350-T2-I2	350	355.6	114.3	20	550	19640	1001	1500	117	30	76	245	105	490	420	550
130-350-T2-J1	350	355.6	114.3	20	550	27120	640	1000	117	30	85	245	120	490	332	426
130-350-T2-J2	350	355.6	114.3	20	550	27120	1001	1500	117	30	85	270	120	540	512	674
130-400-T2-B1	400	406.4	141.3	10	550	1120	560	1500	144	10	19	155	25	310	73	150
130-400-T2-B2	400	406.4	141.3	10	550	1120	1501	2000	144	10	19	155	25	310	151	192
130-400-T2-C1	400	406.4	141.3	10	550	2080	560	1500	144	12	27	155	35	310	78	156
130-400-T2-C2	400	406.4	141.3	10	550	2080	1501	2000	144	12	27	180	35	360	219	279
130-400-T2-D1	400	406.4	141.3	10	550	3260	560	1500	144	15	33	180	45	360	116	229
130-400-T2-D2	400	406.4	141.3	10	550	3260	1501	2000	144	15	33	180	45	360	229	289
130-400-T2-E1	400	406.4	141.3	10	550	4720	560	1500	144	15	39	180	65	360	118	231
130-400-T2-E2	400	406.4	141.3	10	550	4720	1501	2000	144	15	39	205	65	410	307	389
130-400-T2-F1	400	406.4	141.3	10	550	7500	590	1500	144	20	45	205	70	410	177	326
130-400-T2-F2	400	406.4	141.3	10	550	7500	1501	2000	144	20	45	230	70	460	416	524
130-400-T2-G1	400	406.4	141.3	12	550	10920	620	1500	144	20	52	230	85	460	233	422
130-400-T2-G2	400	406.4	141.3	12	550	10920	1501	2000	144	20	52	255	85	510	524	660
130-400-T2-H1	400	406.4	141.3	15	550	14960	620	1500	144	25	60	255	90	510	310	549
130-400-T2-H2	400	406.4	141.3	15	550	14960	1501	2000	144	25	60	255	90	510	550	686
130-400-T2-I1	400	406.4	141.3	20	550	19640	650	1500	144	30	76	255	105	510	351	582
130-400-T2-I2	400	406.4	141.3	20	550	19640	1501	2000	144	30	76	280	105	560	703	870
130-400-T2-J1	400	406.4	141.3	20	550	27120	690	1500	144	30	85	280	120	560	438	710
130-400-T2-J2	400	406.4	141.3	20	550	27120	1501	2000	144	30	85	305	120	610	843	1046
130-400-T2-K1	400	406.4	141.3	25	550	35800	690	1500	144	35	85	305	120	610	550	880
130-400-T2-K2	400	406.4	141.3	25	550	35800	1501	2000	144	35	85	355	120	710	1187	1471
130-450-T2-B1	450	457.2	141.3	10	550	1120	610	1500	144	10	19	155	25	310	80	153
130-450-T2-B2	450	457.2	141.3	10	550	1120	1501	2000	144	10	19	155	25	310	154	195
130-450-T2-C1	450	457.2	141.3	10	550	2080	610	1500	144	12	27	155	35	310	86	159
130-450-T2-C2	450	457.2	141.3	10	550	2080	1501	2000	144	12	27	180	35	360	224	284
130-450-T2-D1	450	457.2	141.3	10	550	3260	620	1500	144	15	33	180	45	360	128	234
130-450-T2-D2	450	457.2	141.3	10	550	3260	1501	2000	144	15	33	180	45	360	234	294
130-450-T2-E1	450	457.2	141.3	10	550	4720	620	1500	144	15	39	180	65	360	130	236
130-450-T2-E2	450	457.2	141.3	10	550	4720	1501	2000	144	15	39	205	65	410	313	395

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-450-T2-F1	450	457.2	141.3	10	550	7500	640	1500	144	20	45	205	70	410	193	334
130-450-T2-F2	450	457.2	141.3	10	550	7500	1501	2000	144	20	45	230	70	460	425	533
130-450-T2-G1	450	457.2	141.3	12	550	10920	670	1500	144	20	52	230	85	460	253	431
130-450-T2-G2	450	457.2	141.3	12	550	10920	1501	2000	144	20	52	255	85	510	534	670
130-450-T2-H1	450	457.2	141.3	15	550	14960	670	1500	144	25	60	255	90	510	336	562
130-450-T2-H2	450	457.2	141.3	15	550	14960	1501	2000	144	25	60	255	90	510	562	698
130-450-T2-I1	450	457.2	141.3	20	550	19640	700	1500	144	30	76	255	105	510	379	597
130-450-T2-I2	450	457.2	141.3	20	550	19640	1501	2000	144	30	76	280	105	560	719	887
130-450-T2-J1	450	457.2	141.3	20	550	27120	740	1500	144	30	85	280	120	560	471	727
130-450-T2-J2	450	457.2	141.3	20	550	27120	1501	2000	144	30	85	305	120	610	861	1064
130-450-T2-K1	450	457.2	141.3	25	550	35800	740	1500	144	35	85	305	120	610	591	900
130-450-T2-K2	450	457.2	141.3	25	550	35800	1501	2000	144	35	85	355	120	710	1211	1495
130-450-T2-L1	450	457.2	141.3	25	550	45480	780	1500	144	40	85	355	120	710	851	1260
130-450-T2-L2	450	457.2	141.3	25	550	45480	1501	2000	144	40	85	355	120	710	1261	1545
130-500-T2-B1	500	508	168.3	10	550	1120	660	1500	171	10	19	165	25	330	90	164
130-500-T2-B2	500	508	168.3	10	550	1120	1501	2000	171	10	19	165	25	330	165	208
130-500-T2-C1	500	508	168.3	10	550	2080	660	1500	171	12	27	165	35	330	97	171
130-500-T2-C2	500	508	168.3	10	550	2080	1501	2000	171	12	27	190	35	380	238	301
130-500-T2-D1	500	508	168.3	10	550	3260	670	1500	171	15	33	190	45	380	144	249
130-500-T2-D2	500	508	168.3	10	550	3260	1501	2000	171	15	33	190	45	380	249	313
130-500-T2-E1	500	508	168.3	10	550	4720	670	1500	171	15	39	190	65	380	147	252
130-500-T2-E2	500	508	168.3	10	550	4720	1501	2000	171	15	39	215	65	430	332	417
130-500-T2-F1	500	508	168.3	10	550	7500	700	1500	171	20	45	215	70	430	217	355
130-500-T2-F2	500	508	168.3	10	550	7500	1501	2000	171	20	45	240	70	480	449	561
130-500-T2-G1	500	508	168.3	12	550	10920	720	1500	171	20	52	240	85	480	280	455
130-500-T2-G2	500	508	168.3	12	550	10920	1501	2000	171	20	52	265	85	530	561	702
130-500-T2-H1	500	508	168.3	15	550	14960	730	1500	171	25	60	265	90	530	374	592
130-500-T2-H2	500	508	168.3	15	550	14960	1501	2000	171	25	60	265	90	530	592	733
130-500-T2-I1	500	508	168.3	20	550	19640	750	1500	171	30	76	265	105	530	418	630
130-500-T2-I2	500	508	168.3	20	550	19640	1501	2000	171	30	76	290	105	580	755	929
130-500-T2-J1	500	508	168.3	20	550	27120	790	1500	171	30	85	290	120	580	517	764
130-500-T2-J2	500	508	168.3	20	550	27120	1501	2000	171	30	85	315	120	630	902	1111
130-500-T2-K1	500	508	168.3	25	550	35800	800	1500	171	35	85	315	120	630	650	944
130-500-T2-K2	500	508	168.3	25	550	35800	1501	2000	171	35	85	365	120	730	1263	1554
130-500-T2-L1	500	508	168.3	25	550	45480	840	1500	171	40	85	365	120	730	930	1316
130-500-T2-L2	500	508	168.3	25	550	45480	1501	2000	171	40	85	365	120	730	1316	1608
130-500-T2-M1	500	508	168.3	25	550	57200	840	1500	171	40	85	365	120	730	930	1316
130-500-T2-M2	500	508	168.3	25	550	57200	1501	2000	171	40	85	390	120	780	1498	1836
130-550-T2-C1	550	558.8	168.3	10	550	2080	710	1500	171	12	27	165	35	330	105	174
130-550-T2-C2	550	558.8	168.3	10	550	2080	1501	2000	171	12	27	190	35	380	242	305
130-550-T2-D1	550	558.8	168.3	10	550	3260	720	1500	171	15	33	190	45	380	155	254
130-550-T2-D2	550	558.8	168.3	10	550	3260	1501	2000	171	15	33	190	45	380	254	318
130-550-T2-E1	550	558.8	168.3	10	550	4720	720	1500	171	15	39	190	65	380	158	257
130-550-T2-E2	550	558.8	168.3	10	550	4720	1501	2000	171	15	39	215	65	430	338	424
130-550-T2-F1	550	558.8	168.3	10	550	7500	750	1500	171	20	45	215	70	430	233	362
130-550-T2-F2	550	558.8	168.3	10	550	7500	1501	2000	171	20	45	240	70	480	458	570
130-550-T2-G1	550	558.8	168.3	12	550	10920	770	1500	171	20	52	240	85	480	301	464
130-550-T2-G2	550	558.8	168.3	12	550	10920	1501	2000	171	20	52	265	85	530	571	713
130-550-T2-H1	550	558.8	168.3	15	550	14960	780	1500	171	25	60	265	90	530	400	604
130-550-T2-H2	550	558.8	168.3	15	550	14960	1501	2000	171	25	60	265	90	530	604	745
130-550-T2-I1	550	558.8	168.3	20	550	19640	800	1500	171	30	76	265	105	530	447	645
130-550-T2-I2	550	558.8	168.3	20	550	19640	1501	2000	171	30	76	290	105	580	771	945
130-550-T2-J1	550	558.8	168.3	20	550	27120	840	1500	171	30	85	290	120	580	551	781
130-550-T2-J2	550	558.8	168.3	20	550	27120	1501	2000	171	30	85	315	120	630	920	1129
130-550-T2-K1	550	558.8	168.3	25	550	35800	850	1500	171	35	85	315	120	630	691	964
130-550-T2-K2	550	558.8	168.3	25	550	35800	1501	2000	171	35	85	365	120	730	1286	1578
130-550-T2-L1	550	558.8	168.3	25	550	45480	890	1500	171	40	85	365	120	730	986	1342
130-550-T2-L2	550	558.8	168.3	25	550	45480	1501	2000	171	40	85	365	120	730	1343	1634
130-550-T2-M1	550	558.8	168.3	25	550	57200	890	1500	171	40	85	365	120	730	986	1342
130-550-T2-M2	550	558.8	168.3	25	550	57200	1501	2000	171	40	85	390	120	780	1527	1864
130-600-T2-C1	600	609.6	219.1	10	550	2080	770	1500	223	12	27	185	35	370	123	195
130-600-T2-C2	600	609.6	219.1	10	550	2080	1501	2000	223	12	27	210	35	420	266	336
130-600-T2-D1	600	609.6	219.1	10	550	3260	770	1500	223	15	33	210	45	420	178	280
130-600-T2-D2	600	609.6	219.1	10	550	3260	1501	2000	223	15	33	210	45	420	280	350

FLAT PLATE RISER CLAMP - FIG 130



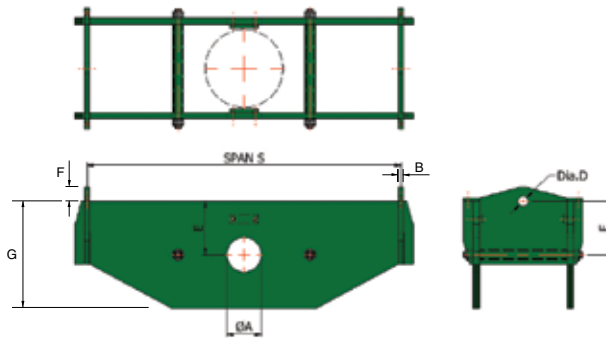
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-600-T2-E1	600	609.6	219.1	10	550	4720	770	1500	223	15	39	210	65	420	181	283
130-600-T2-E2	600	609.6	219.1	10	550	4720	1501	2000	223	15	39	235	65	470	368	462
130-600-T2-F1	600	609.6	219.1	10	550	7500	800	1500	223	20	45	235	70	470	265	397
130-600-T2-F2	600	609.6	219.1	10	550	7500	1501	2000	223	20	45	260	70	520	496	618
130-600-T2-G1	600	609.6	219.1	12	550	10920	820	1500	223	20	52	260	85	520	338	503
130-600-T2-G2	600	609.6	219.1	12	550	10920	1501	2000	223	20	52	285	85	570	615	767
130-600-T2-H1	600	609.6	219.1	15	550	14960	830	1500	223	25	60	285	90	570	448	652
130-600-T2-H2	600	609.6	219.1	15	550	14960	1501	2000	223	25	60	285	90	570	652	804
130-600-T2-I1	600	609.6	219.1	20	550	19640	860	1500	223	30	76	285	105	570	502	697
130-600-T2-I2	600	609.6	219.1	20	550	19640	1501	2000	223	30	76	310	105	620	829	1014
130-600-T2-J1	600	609.6	219.1	20	550	27120	890	1500	223	30	85	310	120	620	612	839
130-600-T2-J2	600	609.6	219.1	20	550	27120	1501	2000	223	30	85	335	120	670	983	1206
130-600-T2-K1	600	609.6	219.1	25	550	35800	900	1500	223	35	85	335	120	670	764	1032
130-600-T2-K2	600	609.6	219.1	25	550	35800	1501	2000	223	35	85	385	120	770	1365	1673
130-600-T2-L1	600	609.6	219.1	25	550	45480	940	1500	223	40	85	385	120	770	1081	1426
130-600-T2-L2	600	609.6	219.1	25	550	45480	1501	2000	223	40	85	385	120	770	1427	1735
130-600-T2-M1	600	609.6	219.1	25	550	57200	940	1500	223	40	85	385	120	770	1081	1426
130-600-T2-M2	600	609.6	219.1	25	550	57200	1501	2000	223	40	85	410	120	820	1617	1972
130-650-T2-C1	650	660.4	219.1	10	550	2080	820	1500	223	12	27	185	35	370	132	199
130-650-T2-C2	650	660.4	219.1	10	550	2080	1501	2000	223	12	27	210	35	420	271	341
130-650-T2-D1	650	660.4	219.1	10	550	3260	820	1500	223	15	33	210	45	420	191	286
130-650-T2-D2	650	660.4	219.1	10	550	3260	1501	2000	223	15	33	210	45	420	286	356
130-650-T2-E1	650	660.4	219.1	10	550	4720	820	1500	223	15	39	210	65	420	194	289
130-650-T2-E2	650	660.4	219.1	10	550	4720	1501	2000	223	15	39	235	65	470	375	469
130-650-T2-F1	650	660.4	219.1	10	550	7500	850	1500	223	20	45	235	70	470	283	405
130-650-T2-F2	650	660.4	219.1	10	550	7500	1501	2000	223	20	45	260	70	520	506	627
130-650-T2-G1	650	660.4	219.1	12	550	10920	870	1500	223	20	52	260	85	520	361	514
130-650-T2-G2	650	660.4	219.1	12	550	10920	1501	2000	223	20	52	285	85	570	626	778
130-650-T2-H1	650	660.4	219.1	15	550	14960	880	1500	223	25	60	285	90	570	476	665
130-650-T2-H2	650	660.4	219.1	15	550	14960	1501	2000	223	25	60	285	90	570	665	817
130-650-T2-I1	650	660.4	219.1	20	550	19640	910	1500	223	30	76	285	105	570	534	713
130-650-T2-I2	650	660.4	219.1	20	550	19640	1501	2000	223	30	76	310	105	620	846	1032
130-650-T2-J1	650	660.4	219.1	20	550	27120	940	1500	223	30	85	310	120	620	649	857
130-650-T2-J2	650	660.4	219.1	20	550	27120	1501	2000	223	30	85	335	120	670	1002	1226
130-650-T2-K1	650	660.4	219.1	25	550	35800	950	1500	223	35	85	335	120	670	808	1054
130-650-T2-K2	650	660.4	219.1	25	550	35800	1501	2000	223	35	85	385	120	770	1391	1698
130-650-T2-L1	650	660.4	219.1	25	550	45480	990	1500	223	40	85	385	120	770	1141	1455
130-650-T2-L2	650	660.4	219.1	25	550	45480	1501	2000	223	40	85	385	120	770	1456	1763
130-650-T2-M1	650	660.4	219.1	25	550	57200	990	1500	223	40	85	385	120	770	1141	1455
130-650-T2-M2	650	660.4	219.1	25	550	57200	1501	2000	223	40	85	410	120	820	1648	2003
130-700-T2-C1	700	711.2	219.1	10	550	2080	870	1500	223	12	27	185	35	370	140	203
130-700-T2-C2	700	711.2	219.1	10	550	2080	1501	2000	223	12	27	210	35	420	276	346
130-700-T2-D1	700	711.2	219.1	10	550	3260	870	1500	223	15	33	210	45	420	203	292
130-700-T2-D2	700	711.2	219.1	10	550	3260	1501	2000	223	15	33	210	45	420	292	362
130-700-T2-E1	700	711.2	219.1	10	550	4720	870	1500	223	15	39	210	65	420	207	295
130-700-T2-E2	700	711.2	219.1	10	550	4720	1501	2000	223	15	39	235	65	470	382	476
130-700-T2-F1	700	711.2	219.1	10	550	7500	900	1500	223	20	45	235	70	470	301	414
130-700-T2-F2	700	711.2	219.1	10	550	7500	1501	2000	223	20	45	260	70	520	516	637

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-700-T2-G1	700	711.2	219.1	12	550	10920	930	1500	223	20	52	260	85	520	385	524
130-700-T2-G2	700	711.2	219.1	12	550	10920	1501	2000	223	20	52	285	85	570	637	789
130-700-T2-H1	700	711.2	219.1	15	550	14960	930	1500	223	25	60	285	90	570	505	678
130-700-T2-H2	700	711.2	219.1	15	550	14960	1501	2000	223	25	60	285	90	570	679	830
130-700-T2-I1	700	711.2	219.1	20	550	19640	960	1500	223	30	76	285	105	570	564	729
130-700-T2-I2	700	711.2	219.1	20	550	19640	1501	2000	223	30	76	310	105	620	863	1049
130-700-T2-J1	700	711.2	219.1	20	550	27120	1000	1500	223	30	85	310	120	620	689	875
130-700-T2-J2	700	711.2	219.1	20	550	27120	1501	2000	223	30	85	335	120	670	1022	1245
130-700-T2-K1	700	711.2	219.1	25	550	35800	1000	1500	223	35	85	335	120	670	852	1076
130-700-T2-K2	700	711.2	219.1	25	550	35800	1501	2000	223	35	85	385	120	770	1416	1723
130-700-T2-L1	700	711.2	219.1	25	550	45480	1040	1500	223	40	85	385	120	770	1200	1483
130-700-T2-L2	700	711.2	219.1	25	550	45480	1501	2000	223	40	85	385	120	770	1484	1792
130-700-T2-M1	700	711.2	219.1	25	550	57200	1040	1500	223	40	85	385	120	770	1200	1483
130-700-T2-M2	700	711.2	219.1	25	550	57200	1501	2000	223	40	85	410	120	820	1678	2033
130-750-T2-D1	750	762	273.1	10	550	3260	920	1500	278	15	33	230	45	460	228	317
130-750-T2-D2	750	762	273.1	10	550	3260	1501	2000	278	15	33	230	45	460	318	394
130-750-T2-E1	750	762	273.1	10	550	4720	920	1500	278	15	39	230	65	460	232	321
130-750-T2-E2	750	762	273.1	10	550	4720	1501	2000	278	15	39	255	65	510	412	513
130-750-T2-F1	750	762	273.1	10	550	7500	950	1500	278	20	45	255	70	510	335	448
130-750-T2-F2	750	762	273.1	10	550	7500	1501	2000	278	20	45	280	70	560	554	684
130-750-T2-G1	750	762	273.1	12	550	10920	980	1500	278	20	52	280	85	560	426	562
130-750-T2-G2	750	762	273.1	12	550	10920	1501	2000	278	20	52	305	85	610	680	843
130-750-T2-H1	750	762	273.1	15	550	14960	980	1500	278	25	60	305	90	610	556	725
130-750-T2-H2	750	762	273.1	15	550	14960	1501	2000	278	25	60	305	90	610	726	888
130-750-T2-I1	750	762	273.1	20	550	19640	1010	1500	278	30	76	305	105	610	621	781
130-750-T2-I2	750	762	273.1	20	550	19640	1501	2000	278	30	76	330	105	660	920	1118
130-750-T2-J1	750	762	273.1	20	550	27120	1050	1500	278	30	85	330	120	660	754	933
130-750-T2-J2	750	762	273.1	20	550	27120	1501	2000	278	30	85	355	120	710	1084	1321
130-750-T2-K1	750	762	273.1	25	550	35800	1050	1500	278	35	85	355	120	710	930	1144
130-750-T2-K2	750	762	273.1	25	550	35800	1501	2000	278	35	85	405	120	810	1494	1817
130-750-T2-L1	750	762	273.1	25	550	45480	1090	1500	278	40	85	405	120	810	1301	1567
130-750-T2-L2	750	762	273.1	25	550	45480	1501	2000	278	40	85	405	120	810	1568	1891
130-750-T2-M1	750	762	273.1	25	550	57200	1090	1500	278	40	85	405	120	810	1301	1567
130-750-T2-M2	750	762	273.1	25	550	57200	1501	2000	278	40	85	430	120	860	1767	2140
130-800-T2-D1	800	812.8	273.1	10	550	3260	980	1500	278	15	33	230	45	460	244	324
130-800-T2-D2	800	812.8	273.1	10	550	3260	1501	2000	278	15	33	230	45	460	324	400
130-800-T2-E1	800	812.8	273.1	10	550	4720	980	1500	278	15	39	230	65	460	248	328
130-800-T2-E2	800	812.8	273.1	10	550	4720	1501	2000	278	15	39	255	65	510	419	521
130-800-T2-F1	800	812.8	273.1	10	550	7500	1000	1500	278	20	45	255	70	510	355	457
130-800-T2-F2	800	812.8	273.1	10	550	7500	1501	2000	278	20	45	280	70	560	564	694
130-800-T2-G1	800	812.8	273.1	12	550	10920	1030	1500	278	20	52	280	85	560	450	573
130-800-T2-G2	800	812.8	273.1	12	550	10920	1501	2000	278	20	52	305	85	610	692	854
130-800-T2-H1	800	812.8	273.1	15	550	14960	1030	1500	278	25	60	305	90	610	586	739
130-800-T2-H2	800	812.8	273.1	15	550	14960	1501	2000	278	25	60	305	90	610	740	902
130-800-T2-I1	800	812.8	273.1	20	550	19640	1060	1500	278	30	76	305	105	610	654	798
130-800-T2-I2	800	812.8	273.1	20	550	19640	1501	2000	278	30	76	330	105	660	938	1136
130-800-T2-J1	800	812.8	273.1	20	550	27120	1100	1500	278	30	85	330	120	660	793	951
130-800-T2-J2	800	812.8	273.1	20	550	27120	1501	2000	278	30	85	355	120	710	1104	1341
130-800-T2-K1	800	812.8	273.1	25	550	35800	1100	1500	278	35	85	355	120	710	977	1166
130-800-T2-K2	800	812.8	273.1	25	550	35800	1501	2000	278	35	85	405	120	810	1520	1843
130-800-T2-L1	800	812.8	273.1	25	550	45480	1140	1500	278	40	85	405	120	810	1363	1597
130-800-T2-L2	800	812.8	273.1	25	550	45480	1501	2000	278	40	85	405	120	810	1597	1921
130-800-T2-M1	800	812.8	273.1	25	550	57200	1140	1500	278	40	85	405	120	810	1363	1597
130-800-T2-M2	800	812.8	273.1	25	550	57200	1501	2000	278	40	85	430	120	860	1799	2171
130-850-T2-D1	850	863.6	273.1	10	550	3260	1020	1750	278	15	33	230	45	460	256	368
130-850-T2-D2	850	863.6	273.1	10	550	3260	1751	2250	278	15	33	230	45	460	368	444
130-850-T2-E1	850	863.6	273.1	10	550	4720	1020	1750	278	15	39	255	65	510	327	476
130-850-T2-E2	850	863.6	273.1	10	550	4720	1751	2250	278	15	39	255	65	510	477	579
130-850-T2-F1	850	863.6	273.1	10	550	7500	1050	1750	278	20	45	280	70	560	456	639
130-850-T2-F2	850	863.6	273.1	10	550	7500	1751	2250	278	20	45	280	70	560	639	769
130-850-T2-G1	850	863.6	273.1	12	550	10920	1080	1750	278	20	52	280	85	560	473	648
130-850-T2-G2	850	863.6	273.1	12	550	10920	1751	2250	278	20	52	305	85	610	784	947
130-850-T2-H1	850	863.6	273.1	15	550	14960	1080	1750	278	25	60	305	90	610	616	834
130-850-T2-H2	850	863.6	273.1	15	550	14960	1751	2250	278	25	60	330	90	660	989	1187

FLAT PLATE RISER CLAMP - FIG 130



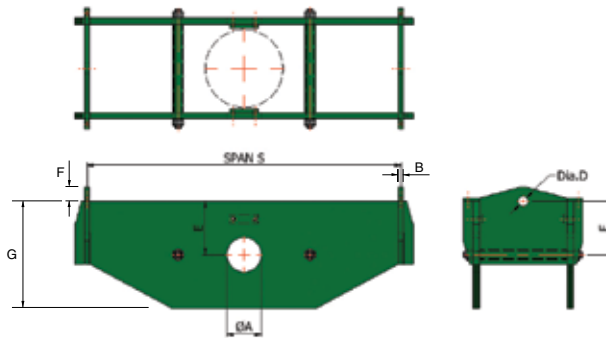
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-850-T2-I1	850	863.6	273.1	20	550	19640	1110	1750	278	30	76	330	105	660	800	1054
130-850-T2-I2	850	863.6	273.1	20	550	19640	1751	2250	278	30	76	330	105	660	1054	1252
130-850-T2-J1	850	863.6	273.1	20	550	27120	1150	1750	278	30	85	355	120	710	957	1241
130-850-T2-J2	850	863.6	273.1	20	550	27120	1751	2250	278	30	85	405	120	810	1632	1955
130-850-T2-K1	850	863.6	273.1	25	550	35800	1150	1750	278	35	85	405	120	810	1317	1706
130-850-T2-K2	850	863.6	273.1	25	550	35800	1751	2250	278	35	85	405	120	810	1707	2030
130-850-T2-L1	850	863.6	273.1	25	550	45480	1190	1750	278	40	85	405	120	810	1423	1786
130-850-T2-L2	850	863.6	273.1	25	550	45480	1751	2250	278	40	85	405	120	810	1787	2111
130-850-T2-M1	850	863.6	273.1	25	550	57200	1190	1750	278	40	85	405	120	810	1423	1786
130-850-T2-M2	850	863.6	273.1	25	550	57200	1751	2250	278	40	85	430	120	860	2015	2387
130-900-T2-D1	900	914.4	273.1	10	550	3260	1080	1750	278	15	33	230	45	460	271	374
130-900-T2-D2	900	914.4	273.1	10	550	3260	1751	2250	278	15	33	230	45	460	374	451
130-900-T2-E1	900	914.4	273.1	10	550	4720	1080	1750	278	15	39	255	65	510	347	484
130-900-T2-E2	900	914.4	273.1	10	550	4720	1751	2250	278	15	39	255	65	510	484	586
130-900-T2-F1	900	914.4	273.1	10	550	7500	1110	1750	278	20	45	280	70	560	482	649
130-900-T2-F2	900	914.4	273.1	10	550	7500	1751	2250	278	20	45	280	70	560	650	780
130-900-T2-G1	900	914.4	273.1	12	550	10920	1130	1750	278	20	52	280	85	560	497	659
130-900-T2-G2	900	914.4	273.1	12	550	10920	1751	2250	278	20	52	305	85	610	797	959
130-900-T2-H1	900	914.4	273.1	15	550	14960	1140	1750	278	25	60	305	90	610	650	849
130-900-T2-H2	900	914.4	273.1	15	550	14960	1751	2250	278	25	60	330	90	660	1005	1203
130-900-T2-I1	900	914.4	273.1	20	550	19640	1160	1750	278	30	76	330	105	660	839	1073
130-900-T2-I2	900	914.4	273.1	20	550	19640	1751	2250	278	30	76	330	105	660	1073	1271
130-900-T2-J1	900	914.4	273.1	20	550	27120	1200	1750	278	30	85	355	120	710	1002	1263
130-900-T2-J2	900	914.4	273.1	20	550	27120	1751	2250	278	30	85	405	120	810	1656	1980
130-900-T2-K1	900	914.4	273.1	25	550	35800	1210	1750	278	35	85	405	120	810	1384	1734
130-900-T2-K2	900	914.4	273.1	25	550	35800	1751	2250	278	35	85	405	120	810	1734	2058
130-900-T2-L1	900	914.4	273.1	25	550	45480	1250	1750	278	40	85	405	120	810	1493	1818
130-900-T2-L2	900	914.4	273.1	25	550	45480	1751	2250	278	40	85	405	120	810	1818	2142
130-900-T2-M1	900	914.4	273.1	25	550	57200	1250	1750	278	40	85	405	120	810	1493	1818
130-900-T2-M2	900	914.4	273.1	25	550	57200	1751	2250	278	40	85	430	120	860	2048	2420
130-950-T2-D1	950	965.2	273.1	10	550	3260	1130	1750	278	15	33	230	45	460	285	380
130-950-T2-D2	950	965.2	273.1	10	550	3260	1751	2250	278	15	33	230	45	460	380	457
130-950-T2-E1	950	965.2	273.1	10	550	4720	1130	1750	278	15	39	255	65	510	365	491
130-950-T2-E2	950	965.2	273.1	10	550	4720	1751	2250	278	15	39	255	65	510	491	593
130-950-T2-F1	950	965.2	273.1	10	550	7500	1160	1750	278	20	45	280	70	560	505	659
130-950-T2-F2	950	965.2	273.1	10	550	7500	1751	2250	278	20	45	280	70	560	660	790
130-950-T2-G1	950	965.2	273.1	12	550	10920	1180	1750	278	20	52	280	85	560	521	670
130-950-T2-G2	950	965.2	273.1	12	550	10920	1751	2250	278	20	52	305	85	610	808	971
130-950-T2-H1	950	965.2	273.1	15	550	14960	1190	1750	278	25	60	305	90	610	680	862
130-950-T2-H2	950	965.2	273.1	15	550	14960	1751	2250	278	25	60	330	90	660	1020	1218
130-950-T2-I1	950	965.2	273.1	20	550	19640	1210	1750	278	30	76	330	105	660	877	1091
130-950-T2-I2	950	965.2	273.1	20	550	19640	1751	2250	278	30	76	330	105	660	1091	1289
130-950-T2-J1	950	965.2	273.1	20	550	27120	1250	1750	278	30	85	355	120	710	1046	1282
130-950-T2-J2	950	965.2	273.1	20	550	27120	1751	2250	278	30	85	405	120	810	1679	2003
130-950-T2-K1	950	965.2	273.1	25	550	35800	1260	1750	278	35	85	405	120	810	1442	1759
130-950-T2-K2	950	965.2	273.1	25	550	35800	1751	2250	278	35	85	405	120	810	1760	2084
130-950-T2-L1	950	965.2	273.1	25	550	45480	1300	1750	278	40	85	405	120	810	1555	1846
130-950-T2-L2	950	965.2	273.1	25	550	45480	1751	2250	278	40	85	405	120	810	1847	2171

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-950-T2-M1	950	965.2	273.1	25	550	57200	1300	1750	278	40	85	405	120	810	1555	1846
130-950-T2-M2	950	965.2	273.1	25	550	57200	1751	2250	278	40	85	430	120	860	2079	2451
130-1000-T2-D1	1000	1016	273.1	10	550	3260	1180	1750	278	15	33	230	45	460	299	386
130-1000-T2-D2	1000	1016	273.1	10	550	3260	1751	2250	278	15	33	230	45	460	386	463
130-1000-T2-E1	1000	1016	273.1	10	550	4720	1180	1750	278	15	39	255	65	510	382	498
130-1000-T2-E2	1000	1016	273.1	10	550	4720	1751	2250	278	15	39	255	65	510	498	600
130-1000-T2-F1	1000	1016	273.1	10	550	7500	1210	1750	278	20	45	280	70	560	528	669
130-1000-T2-F2	1000	1016	273.1	10	550	7500	1751	2250	278	20	45	280	70	560	670	800
130-1000-T2-G1	1000	1016	273.1	12	550	10920	1230	1750	278	20	52	280	85	560	544	680
130-1000-T2-G2	1000	1016	273.1	12	550	10920	1751	2250	278	20	52	305	85	610	820	982
130-1000-T2-H1	1000	1016	273.1	15	550	14960	1240	1750	278	25	60	305	90	610	710	876
130-1000-T2-H2	1000	1016	273.1	15	550	14960	1751	2250	278	25	60	330	90	660	1035	1233
130-1000-T2-I1	1000	1016	273.1	20	550	19640	1260	1750	278	30	76	330	105	660	914	1108
130-1000-T2-I2	1000	1016	273.1	20	550	19640	1751	2250	278	30	76	330	105	660	1109	1306
130-1000-T2-J1	1000	1016	273.1	20	550	27120	1300	1750	278	30	85	355	120	710	1089	1302
130-1000-T2-J2	1000	1016	273.1	20	550	27120	1751	2250	278	30	85	405	120	810	1702	2026
130-1000-T2-K1	1000	1016	273.1	25	550	35800	1310	1750	278	35	85	405	120	810	1500	1785
130-1000-T2-K2	1000	1016	273.1	25	550	35800	1751	2250	278	35	85	405	120	810	1786	2109
130-1000-T2-L1	1000	1016	273.1	25	550	45480	1350	1750	278	40	85	405	120	810	1616	1875
130-1000-T2-L2	1000	1016	273.1	25	550	45480	1751	2250	278	40	85	405	120	810	1876	2199
130-1000-T2-M1	1000	1016	273.1	25	550	57200	1350	1750	278	40	85	405	120	810	1616	1875
130-1000-T2-M2	1000	1016	273.1	25	550	57200	1751	2250	278	40	85	430	120	860	2109	2482
130-250-T3-B1	250	273	88.9	10	600	1120	420	1000	91	10	19	135	25	270	49	91
130-250-T3-B2	250	273	88.9	10	600	1120	1001	1500	91	10	19	135	25	270	91	127
130-250-T3-C1	250	273	88.9	10	600	2080	430	1000	91	12	27	160	35	320	75	136
130-250-T3-C2	250	273	88.9	10	600	2080	1001	1500	91	12	27	160	35	320	136	189
130-250-T3-D1	250	273	88.9	10	600	3260	430	1000	91	15	33	160	45	320	81	142
130-250-T3-D2	250	273	88.9	10	600	3260	1001	1500	91	15	33	185	45	370	192	266
130-250-T3-E1	250	273	88.9	10	600	4720	430	1000	91	15	39	185	65	370	109	193
130-250-T3-E2	250	273	88.9	10	600	4720	1001	1500	91	15	39	210	65	420	251	349
130-250-T3-F1	250	273	88.9	10	600	7500	460	1000	91	20	45	210	70	420	161	267
130-250-T3-F2	250	273	88.9	10	600	7500	1001	1500	91	20	45	235	70	470	335	460
130-250-T3-G1	250	273	88.9	12	600	10920	480	1000	91	20	52	210	85	420	169	271
130-250-T3-G2	250	273	88.9	12	600	10920	1001	1500	91	20	52	235	85	470	339	464
130-250-T3-H1	250	273	88.9	15	600	14960	490	1000	91	25	60	235	90	470	230	358
130-250-T3-H2	250	273	88.9	15	600	14960	1001	1500	91	25	60	260	90	520	437	593
130-300-T3-B1	300	323.9	114.3	10	600	1120	480	1000	117	10	19	145	25	290	59	99
130-300-T3-B2	300	323.9	114.3	10	600	1120	1001	1500	117	10	19	145	25	290	99	138
130-300-T3-C1	300	323.9	114.3	10	600	2080	480	1000	117	12	27	170	35	340	87	146
130-300-T3-C2	300	323.9	114.3	10	600	2080	1001	1500	117	12	27	170	35	340	146	203
130-300-T3-D1	300	323.9	114.3	10	600	3260	480	1000	117	15	33	170	45	340	95	154
130-300-T3-D2	300	323.9	114.3	10	600	3260	1001	1500	117	15	33	195	45	390	206	284
130-300-T3-E1	300	323.9	114.3	10	600	4720	480	1000	117	15	39	195	65	390	126	207
130-300-T3-E2	300	323.9	114.3	10	600	4720	1001	1500	117	15	39	220	65	440	267	370
130-300-T3-F1	300	323.9	114.3	10	600	7500	510	1000	117	20	45	220	70	440	185	285
130-300-T3-F2	300	323.9	114.3	10	600	7500	1001	1500	117	20	45	245	70	490	355	486
130-300-T3-G1	300	323.9	114.3	12	600	10920	530	1000	117	20	52	220	85	440	194	290
130-300-T3-G2	300	323.9	114.3	12	600	10920	1001	1500	117	20	52	245	85	490	361	491
130-300-T3-H1	300	323.9	114.3	15	600	14960	540	1000	117	25	60	245	90	490	262	382
130-300-T3-H2	300	323.9	114.3	15	600	14960	1001	1500	117	25	60	270	90	540	464	626
130-300-T3-I1	300	323.9	114.3	20	600	19640	570	1000	117	30	76	270	105	540	356	495
130-300-T3-I2	300	323.9	114.3	20	600	19640	1001	1500	117	30	76	295	105	590	588	785
130-350-T3-B1	350	355.6	114.3	10	600	1120	510	1000	117	10	19	145	25	290	63	101
130-350-T3-B2	350	355.6	114.3	10	600	1120	1001	1500	117	10	19	145	25	290	101	140
130-350-T3-C1	350	355.6	114.3	10	600	2080	510	1000	117	12	27	170	35	340	93	149
130-350-T3-C2	350	355.6	114.3	10	600	2080	1001	1500	117	12	27	170	35	340	149	205
130-350-T3-D1	350	355.6	114.3	10	600	3260	510	1000	117	15	33	170	45	340	101	157
130-350-T3-D2	350	355.6	114.3	10	600	3260	1001	1500	117	15	33	195	45	390	209	287
130-350-T3-E1	350	355.6	114.3	10	600	4720	510	1000	117	15	39	195	65	390	134	211
130-350-T3-E2	350	355.6	114.3	10	600	4720	1001	1500	117	15	39	220	65	440	271	374
130-350-T3-F1	350	355.6	114.3	10	600	7500	540	1000	117	20	45	220	70	440	196	290
130-350-T3-F2	350	355.6	114.3	10	600	7500	1001	1500	117	20	45	245	70	490	361	492
130-350-T3-G1	350	355.6	114.3	12	600	10920	570	1000	117	20	52	220	85	440	207	296
130-350-T3-G2	350	355.6	114.3	12	600	10920	1001	1500	117	20	52	245	85	490	367	497

FLAT PLATE RISER CLAMP - FIG 130



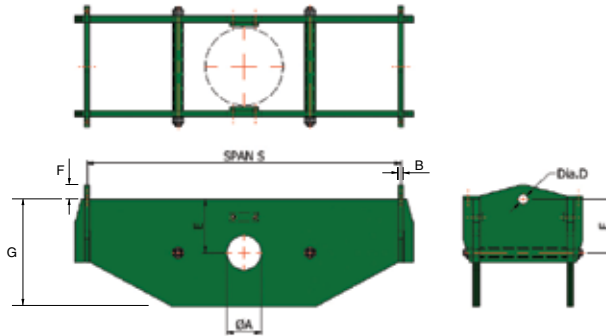
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-350-T3-H1	350	355.6	114.3	15	600	14960	570	1000	117	25	60	245	90	490	277	390
130-350-T3-H2	350	355.6	114.3	15	600	14960	1001	1500	117	25	60	270	90	540	472	634
130-350-T3-I1	350	355.6	114.3	20	600	19640	600	1000	117	30	76	270	105	540	375	505
130-350-T3-I2	350	355.6	114.3	20	600	19640	1001	1500	117	30	76	295	105	590	599	795
130-350-T3-J1	350	355.6	114.3	20	600	27120	640	1000	117	30	85	295	120	590	464	606
130-350-T3-J2	350	355.6	114.3	20	600	27120	1001	1500	117	30	85	345	120	690	820	1096
130-400-T3-B1	400	406.4	141.3	10	600	1120	560	1500	144	10	19	155	25	310	73	150
130-400-T3-B2	400	406.4	141.3	10	600	1120	1501	2000	144	10	19	180	25	360	213	273
130-400-T3-C1	400	406.4	141.3	10	600	2080	560	1500	144	12	27	180	35	360	106	219
130-400-T3-C2	400	406.4	141.3	10	600	2080	1501	2000	144	12	27	205	35	410	294	376
130-400-T3-D1	400	406.4	141.3	10	600	3260	560	1500	144	15	33	205	45	410	150	305
130-400-T3-D2	400	406.4	141.3	10	600	3260	1501	2000	144	15	33	205	45	410	305	387
130-400-T3-E1	400	406.4	141.3	10	600	4720	560	1500	144	15	39	230	65	460	192	394
130-400-T3-E2	400	406.4	141.3	10	600	4720	1501	2000	144	15	39	230	65	460	395	502
130-400-T3-F1	400	406.4	141.3	10	600	7500	590	1500	144	20	45	255	70	510	270	518
130-400-T3-F2	400	406.4	141.3	10	600	7500	1501	2000	144	20	45	255	70	510	518	654
130-400-T3-G1	400	406.4	141.3	12	600	10920	620	1500	144	20	52	255	85	510	284	524
130-400-T3-G2	400	406.4	141.3	12	600	10920	1501	2000	144	20	52	280	85	560	637	805
130-400-T3-H1	400	406.4	141.3	15	600	14960	620	1500	144	25	60	280	90	560	370	666
130-400-T3-H2	400	406.4	141.3	15	600	14960	1501	2000	144	25	60	305	90	610	794	997
130-400-T3-I1	400	406.4	141.3	20	600	19640	650	1500	144	30	76	305	105	610	488	834
130-400-T3-I2	400	406.4	141.3	20	600	19640	1501	2000	144	30	76	355	105	710	1133	1417
130-400-T3-J1	400	406.4	141.3	20	600	27120	690	1500	144	30	85	355	120	710	682	1142
130-400-T3-J2	400	406.4	141.3	20	600	27120	1501	2000	144	30	85	355	120	710	1143	1426
130-400-T3-K1	400	406.4	141.3	25	600	35800	690	1500	144	35	85	355	120	710	726	1187
130-400-T3-K2	400	406.4	141.3	25	600	35800	1501	2000	144	35	85	405	120	810	1543	1921
130-450-T3-B1	450	457.2	141.3	10	600	1120	610	1500	144	10	19	155	25	310	80	153
130-450-T3-B2	450	457.2	141.3	10	600	1120	1501	2000	144	10	19	180	25	360	217	277
130-450-T3-C1	450	457.2	141.3	10	600	2080	610	1500	144	12	27	180	35	360	117	223
130-450-T3-C2	450	457.2	141.3	10	600	2080	1501	2000	144	12	27	205	35	410	299	381
130-450-T3-D1	450	457.2	141.3	10	600	3260	620	1500	144	15	33	205	45	410	166	311
130-450-T3-D2	450	457.2	141.3	10	600	3260	1501	2000	144	15	33	205	45	410	311	393
130-450-T3-E1	450	457.2	141.3	10	600	4720	620	1500	144	15	39	230	65	460	212	401
130-450-T3-E2	450	457.2	141.3	10	600	4720	1501	2000	144	15	39	230	65	460	402	509
130-450-T3-F1	450	457.2	141.3	10	600	7500	640	1500	144	20	45	255	70	510	294	528
130-450-T3-F2	450	457.2	141.3	10	600	7500	1501	2000	144	20	45	255	70	510	528	664
130-450-T3-G1	450	457.2	141.3	12	600	10920	670	1500	144	20	52	255	85	510	308	534
130-450-T3-G2	450	457.2	141.3	12	600	10920	1501	2000	144	20	52	280	85	560	649	817
130-450-T3-H1	450	457.2	141.3	15	600	14960	670	1500	144	25	60	280	90	560	400	680
130-450-T3-H2	450	457.2	141.3	15	600	14960	1501	2000	144	25	60	305	90	610	809	1012
130-450-T3-I1	450	457.2	141.3	20	600	19640	700	1500	144	30	76	305	105	610	526	851
130-450-T3-I2	450	457.2	141.3	20	600	19640	1501	2000	144	30	76	355	105	710	1154	1438
130-450-T3-J1	450	457.2	141.3	20	600	27120	740	1500	144	30	85	355	120	710	731	1163
130-450-T3-J2	450	457.2	141.3	20	600	27120	1501	2000	144	30	85	355	120	710	1164	1448
130-450-T3-K1	450	457.2	141.3	25	600	35800	740	1500	144	35	85	355	120	710	779	1211
130-450-T3-K2	450	457.2	141.3	25	600	35800	1501	2000	144	35	85	405	120	810	1571	1948
130-450-T3-L1	450	457.2	141.3	25	600	45480	780	1500	144	40	85	380	120	760	964	1438
130-450-T3-L2	450	457.2	141.3	25	600	45480	1501	2000	144	40	85	455	120	910	2047	2532

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-500-T3-B1	500	508	168.3	10	600	1120	660	1500	171	10	19	165	25	330	90	164
130-500-T3-B2	500	508	168.3	10	600	1120	1501	2000	171	10	19	190	25	380	230	294
130-500-T3-C1	500	508	168.3	10	600	2080	660	1500	171	12	27	190	35	380	131	238
130-500-T3-C2	500	508	168.3	10	600	2080	1501	2000	171	12	27	215	35	430	316	402
130-500-T3-D1	500	508	168.3	10	600	3260	670	1500	171	15	33	215	45	430	186	329
130-500-T3-D2	500	508	168.3	10	600	3260	1501	2000	171	15	33	215	45	430	329	415
130-500-T3-E1	500	508	168.3	10	600	4720	670	1500	171	15	39	240	65	480	236	422
130-500-T3-E2	500	508	168.3	10	600	4720	1501	2000	171	15	39	240	65	480	423	534
130-500-T3-F1	500	508	168.3	10	600	7500	700	1500	171	20	45	265	70	530	328	554
130-500-T3-F2	500	508	168.3	10	600	7500	1501	2000	171	20	45	265	70	530	555	696
130-500-T3-G1	500	508	168.3	12	600	10920	720	1500	171	20	52	265	85	530	340	561
130-500-T3-G2	500	508	168.3	12	600	10920	1501	2000	171	20	52	290	85	580	679	853
130-500-T3-H1	500	508	168.3	15	600	14960	730	1500	171	25	60	290	90	580	444	713
130-500-T3-H2	500	508	168.3	15	600	14960	1501	2000	171	25	60	315	90	630	845	1055
130-500-T3-I1	500	508	168.3	20	600	19640	750	1500	171	30	76	315	105	630	576	891
130-500-T3-I2	500	508	168.3	20	600	19640	1501	2000	171	30	76	365	105	730	1201	1493
130-500-T3-J1	500	508	168.3	20	600	27120	790	1500	171	30	85	365	120	730	796	1211
130-500-T3-J2	500	508	168.3	20	600	27120	1501	2000	171	30	85	365	120	730	1212	1503
130-500-T3-K1	500	508	168.3	25	600	35800	800	1500	171	35	85	365	120	730	853	1262
130-500-T3-K2	500	508	168.3	25	600	35800	1501	2000	171	35	85	415	120	830	1630	2016
130-500-T3-L1	500	508	168.3	25	600	45480	840	1500	171	40	85	390	120	780	1051	1498
130-500-T3-L2	500	508	168.3	25	600	45480	1501	2000	171	40	85	465	120	930	2119	2614
130-500-T3-M1	500	508	168.3	25	600	57200	840	1500	171	40	85	415	120	830	1180	1692
130-500-T3-M2	500	508	168.3	25	600	57200	1501	2000	171	40	85	465	120	930	2119	2614
130-550-T3-C1	550	558.8	168.3	10	600	2080	710	1500	171	12	27	190	35	380	142	242
130-550-T3-C2	550	558.8	168.3	10	600	2080	1501	2000	171	12	27	215	35	430	321	407
130-550-T3-D1	550	558.8	168.3	10	600	3260	720	1500	171	15	33	215	45	430	200	335
130-550-T3-D2	550	558.8	168.3	10	600	3260	1501	2000	171	15	33	215	45	430	335	421
130-550-T3-E1	550	558.8	168.3	10	600	4720	720	1500	171	15	39	240	65	480	254	429
130-550-T3-E2	550	558.8	168.3	10	600	4720	1501	2000	171	15	39	240	65	480	430	541
130-550-T3-F1	550	558.8	168.3	10	600	7500	750	1500	171	20	45	265	70	530	352	564
130-550-T3-F2	550	558.8	168.3	10	600	7500	1501	2000	171	20	45	265	70	530	564	706
130-550-T3-G1	550	558.8	168.3	12	600	10920	770	1500	171	20	52	265	85	530	365	571
130-550-T3-G2	550	558.8	168.3	12	600	10920	1501	2000	171	20	52	290	85	580	690	864
130-550-T3-H1	550	558.8	168.3	15	600	14960	780	1500	171	25	60	290	90	580	475	726
130-550-T3-H2	550	558.8	168.3	15	600	14960	1501	2000	171	25	60	315	90	630	860	1070
130-550-T3-I1	550	558.8	168.3	20	600	19640	800	1500	171	30	76	315	105	630	615	909
130-550-T3-I2	550	558.8	168.3	20	600	19640	1501	2000	171	30	76	365	105	730	1221	1513
130-550-T3-J1	550	558.8	168.3	20	600	27120	840	1500	171	30	85	365	120	730	846	1232
130-550-T3-J2	550	558.8	168.3	20	600	27120	1501	2000	171	30	85	365	120	730	1233	1524
130-550-T3-K1	550	558.8	168.3	25	600	35800	850	1500	171	35	85	365	120	730	906	1286
130-550-T3-K2	550	558.8	168.3	25	600	35800	1501	2000	171	35	85	415	120	830	1657	2044
130-550-T3-L1	550	558.8	168.3	25	600	45480	890	1500	171	40	85	390	120	780	1113	1526
130-550-T3-L2	550	558.8	168.3	25	600	45480	1501	2000	171	40	85	465	120	930	2153	2649
130-550-T3-M1	550	558.8	168.3	25	600	57200	890	1500	171	40	85	415	120	830	1249	1722
130-550-T3-M2	550	558.8	168.3	25	600	57200	1501	2000	171	40	85	465	120	930	2153	2649
130-600-T3-C1	600	609.6	219.1	10	600	2080	770	1500	223	12	27	210	35	420	164	266
130-600-T3-C2	600	609.6	219.1	10	600	2080	1501	2000	223	12	27	235	35	470	349	443
130-600-T3-D1	600	609.6	219.1	10	600	3260	770	1500	223	15	33	235	45	470	227	365
130-600-T3-D2	600	609.6	219.1	10	600	3260	1501	2000	223	15	33	235	45	470	365	459
130-600-T3-E1	600	609.6	219.1	10	600	4720	770	1500	223	15	39	260	65	520	287	464
130-600-T3-E2	600	609.6	219.1	10	600	4720	1501	2000	223	15	39	260	65	520	464	585
130-600-T3-F1	600	609.6	219.1	10	600	7500	800	1500	223	20	45	285	70	570	394	607
130-600-T3-F2	600	609.6	219.1	10	600	7500	1501	2000	223	20	45	285	70	570	607	759
130-600-T3-G1	600	609.6	219.1	12	600	10920	820	1500	223	20	52	285	85	570	408	615
130-600-T3-G2	600	609.6	219.1	12	600	10920	1501	2000	223	20	52	310	85	620	738	924
130-600-T3-H1	600	609.6	219.1	15	600	14960	830	1500	223	25	60	310	90	620	529	779
130-600-T3-H2	600	609.6	219.1	15	600	14960	1501	2000	223	25	60	335	90	670	918	1141
130-600-T3-I1	600	609.6	219.1	20	600	19640	860	1500	223	30	76	335	105	670	685	971
130-600-T3-I2	600	609.6	219.1	20	600	19640	1501	2000	223	30	76	385	105	770	1294	1602
130-600-T3-J1	600	609.6	219.1	20	600	27120	890	1500	223	30	85	385	120	770	930	1306
130-600-T3-J2	600	609.6	219.1	20	600	27120	1501	2000	223	30	85	385	120	770	1306	1614
130-600-T3-K1	600	609.6	219.1	25	600	35800	900	1500	223	35	85	385	120	770	994	1364
130-600-T3-K2	600	609.6	219.1	25	600	35800	1501	2000	223	35	85	435	120	870	1747	2152

FLAT PLATE RISER CLAMP - FIG 130



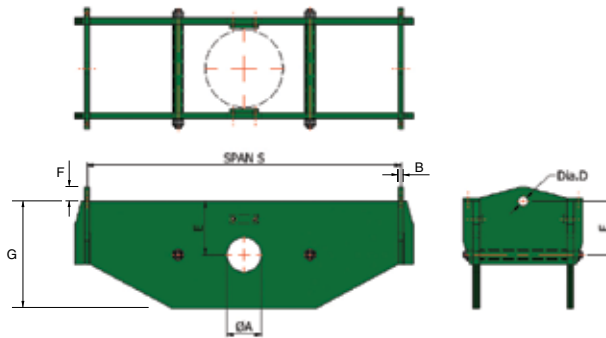
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-600-T3-L1	600	609.6	219.1	25	600	45480	940	1500	223	40	85	410	120	820	1218	1616
130-600-T3-L2	600	609.6	219.1	25	600	45480	1501	2000	223	40	85	485	120	970	2261	2778
130-600-T3-M1	600	609.6	219.1	25	600	57200	940	1500	223	40	85	435	120	870	1363	1818
130-600-T3-M2	600	609.6	219.1	25	600	57200	1501	2000	223	40	85	485	120	970	2261	2778
130-650-T3-C1	650	660.4	219.1	10	600	2080	820	1500	223	12	27	210	35	420	175	271
130-650-T3-C2	650	660.4	219.1	10	600	2080	1501	2000	223	12	27	235	35	470	354	448
130-650-T3-D1	650	660.4	219.1	10	600	3260	820	1500	223	15	33	235	45	470	243	371
130-650-T3-D2	650	660.4	219.1	10	600	3260	1501	2000	223	15	33	235	45	470	372	466
130-650-T3-E1	650	660.4	219.1	10	600	4720	820	1500	223	15	39	260	65	520	307	472
130-650-T3-E2	650	660.4	219.1	10	600	4720	1501	2000	223	15	39	260	65	520	472	593
130-650-T3-F1	650	660.4	219.1	10	600	7500	850	1500	223	20	45	285	70	570	420	618
130-650-T3-F2	650	660.4	219.1	10	600	7500	1501	2000	223	20	45	285	70	570	618	770
130-650-T3-G1	650	660.4	219.1	12	600	10920	870	1500	223	20	52	285	85	570	434	626
130-650-T3-G2	650	660.4	219.1	12	600	10920	1501	2000	223	20	52	310	85	620	751	937
130-650-T3-H1	650	660.4	219.1	15	600	14960	880	1500	223	25	60	310	90	620	563	793
130-650-T3-H2	650	660.4	219.1	15	600	14960	1501	2000	223	25	60	335	90	670	934	1157
130-650-T3-I1	650	660.4	219.1	20	600	19640	910	1500	223	30	76	335	105	670	726	990
130-650-T3-I2	650	660.4	219.1	20	600	19640	1501	2000	223	30	76	385	105	770	1317	1624
130-650-T3-J1	650	660.4	219.1	20	600	27120	940	1500	223	30	85	385	120	770	983	1329
130-650-T3-J2	650	660.4	219.1	20	600	27120	1501	2000	223	30	85	385	120	770	1329	1637
130-650-T3-K1	650	660.4	219.1	25	600	35800	950	1500	223	35	85	385	120	770	1051	1390
130-650-T3-K2	650	660.4	219.1	25	600	35800	1501	2000	223	35	85	435	120	870	1776	2182
130-650-T3-L1	650	660.4	219.1	25	600	45480	990	1500	223	40	85	410	120	820	1284	1647
130-650-T3-L2	650	660.4	219.1	25	600	45480	1501	2000	223	40	85	485	120	970	2298	2815
130-650-T3-M1	650	660.4	219.1	25	600	57200	990	1500	223	40	85	435	120	870	1436	1851
130-650-T3-M2	650	660.4	219.1	25	600	57200	1501	2000	223	40	85	485	120	970	2298	2815
130-700-T3-C1	700	711.2	219.1	10	600	2080	870	1500	223	12	27	210	35	420	187	275
130-700-T3-C2	700	711.2	219.1	10	600	2080	1501	2000	223	12	27	235	35	470	360	454
130-700-T3-D1	700	711.2	219.1	10	600	3260	870	1500	223	15	33	235	45	470	259	378
130-700-T3-D2	700	711.2	219.1	10	600	3260	1501	2000	223	15	33	235	45	470	378	472
130-700-T3-E1	700	711.2	219.1	10	600	4720	870	1500	223	15	39	260	65	520	326	479
130-700-T3-E2	700	711.2	219.1	10	600	4720	1501	2000	223	15	39	260	65	520	480	601
130-700-T3-F1	700	711.2	219.1	10	600	7500	900	1500	223	20	45	285	70	570	446	629
130-700-T3-F2	700	711.2	219.1	10	600	7500	1501	2000	223	20	45	285	70	570	629	781
130-700-T3-G1	700	711.2	219.1	12	600	10920	930	1500	223	20	52	285	85	570	464	637
130-700-T3-G2	700	711.2	219.1	12	600	10920	1501	2000	223	20	52	310	85	620	763	949
130-700-T3-H1	700	711.2	219.1	15	600	14960	930	1500	223	25	60	310	90	620	596	808
130-700-T3-H2	700	711.2	219.1	15	600	14960	1501	2000	223	25	60	335	90	670	950	1173
130-700-T3-I1	700	711.2	219.1	20	600	19640	960	1500	223	30	76	335	105	670	767	1009
130-700-T3-I2	700	711.2	219.1	20	600	19640	1501	2000	223	30	76	385	105	770	1338	1646
130-700-T3-J1	700	711.2	219.1	20	600	27120	1000	1500	223	30	85	385	120	770	1043	1351
130-700-T3-J2	700	711.2	219.1	20	600	27120	1501	2000	223	30	85	385	120	770	1352	1659
130-700-T3-K1	700	711.2	219.1	25	600	35800	1000	1500	223	35	85	385	120	770	1107	1415
130-700-T3-K2	700	711.2	219.1	25	600	35800	1501	2000	223	35	85	435	120	870	1805	2210
130-700-T3-L1	700	711.2	219.1	25	600	45480	1040	1500	223	40	85	410	120	820	1350	1677
130-700-T3-L2	700	711.2	219.1	25	600	45480	1501	2000	223	40	85	485	120	970	2334	2851
130-700-T3-M1	700	711.2	219.1	25	600	57200	1040	1500	223	40	85	435	120	870	1509	1883
130-700-T3-M2	700	711.2	219.1	25	600	57200	1501	2000	223	40	85	485	120	970	2334	2851

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-750-T3-D1	750	762	273.1	10	600	3260	920	1500	278	15	33	255	45	510	289	407
130-750-T3-D2	750	762	273.1	10	600	3260	1501	2000	278	15	33	255	45	510	408	510
130-750-T3-E1	750	762	273.1	10	600	4720	920	1500	278	15	39	280	65	560	361	513
130-750-T3-E2	750	762	273.1	10	600	4720	1501	2000	278	15	39	280	65	560	513	644
130-750-T3-F1	750	762	273.1	10	600	7500	950	1500	278	20	45	305	70	610	492	671
130-750-T3-F2	750	762	273.1	10	600	7500	1501	2000	278	20	45	305	70	610	671	834
130-750-T3-G1	750	762	273.1	12	600	10920	980	1500	278	20	52	305	85	610	510	680
130-750-T3-G2	750	762	273.1	12	600	10920	1501	2000	278	20	52	330	85	660	810	1008
130-750-T3-H1	750	762	273.1	15	600	14960	980	1500	278	25	60	330	90	660	654	860
130-750-T3-H2	750	762	273.1	15	600	14960	1501	2000	278	25	60	355	90	710	1006	1242
130-750-T3-I1	750	762	273.1	20	600	19640	1010	1500	278	30	76	355	105	710	838	1071
130-750-T3-I2	750	762	273.1	20	600	19640	1501	2000	278	30	76	405	105	810	1410	1733
130-750-T3-J1	750	762	273.1	20	600	27120	1050	1500	278	30	85	405	120	810	1131	1423
130-750-T3-J2	750	762	273.1	20	600	27120	1501	2000	278	30	85	405	120	810	1424	1748
130-750-T3-K1	750	762	273.1	25	600	35800	1050	1500	278	35	85	405	120	810	1201	1493
130-750-T3-K2	750	762	273.1	25	600	35800	1501	2000	278	35	85	455	120	910	1893	2317
130-750-T3-L1	750	762	273.1	25	600	45480	1090	1500	278	40	85	430	120	860	1461	1767
130-750-T3-L2	750	762	273.1	25	600	45480	1501	2000	278	40	85	505	120	1010	2440	2979
130-750-T3-M1	750	762	273.1	25	600	57200	1090	1500	278	40	85	455	120	910	1629	1978
130-750-T3-M2	750	762	273.1	25	600	57200	1501	2000	278	40	85	505	120	1010	2440	2979
130-800-T3-D1	800	812.8	273.1	10	600	3260	980	1500	278	15	33	255	45	510	308	414
130-800-T3-D2	800	812.8	273.1	10	600	3260	1501	2000	278	15	33	255	45	510	415	517
130-800-T3-E1	800	812.8	273.1	10	600	4720	980	1500	278	15	39	280	65	560	385	521
130-800-T3-E2	800	812.8	273.1	10	600	4720	1501	2000	278	15	39	280	65	560	522	652
130-800-T3-F1	800	812.8	273.1	10	600	7500	1000	1500	278	20	45	305	70	610	519	682
130-800-T3-F2	800	812.8	273.1	10	600	7500	1501	2000	278	20	45	305	70	610	683	845
130-800-T3-G1	800	812.8	273.1	12	600	10920	1030	1500	278	20	52	305	85	610	538	692
130-800-T3-G2	800	812.8	273.1	12	600	10920	1501	2000	278	20	52	330	85	660	823	1021
130-800-T3-H1	800	812.8	273.1	15	600	14960	1030	1500	278	25	60	330	90	660	689	875
130-800-T3-H2	800	812.8	273.1	15	600	14960	1501	2000	278	25	60	355	90	710	1023	1259
130-800-T3-I1	800	812.8	273.1	20	600	19640	1060	1500	278	30	76	355	105	710	882	1090
130-800-T3-I2	800	812.8	273.1	20	600	19640	1501	2000	278	30	76	405	105	810	1433	1756
130-800-T3-J1	800	812.8	273.1	20	600	27120	1100	1500	278	30	85	405	120	810	1187	1447
130-800-T3-J2	800	812.8	273.1	20	600	27120	1501	2000	278	30	85	405	120	810	1447	1771
130-800-T3-K1	800	812.8	273.1	25	600	35800	1100	1500	278	35	85	405	120	810	1260	1519
130-800-T3-K2	800	812.8	273.1	25	600	35800	1501	2000	278	35	85	455	120	910	1923	2347
130-800-T3-L1	800	812.8	273.1	25	600	45480	1140	1500	278	40	85	430	120	860	1529	1798
130-800-T3-L2	800	812.8	273.1	25	600	45480	1501	2000	278	40	85	505	120	1010	2478	3016
130-800-T3-M1	800	812.8	273.1	25	600	57200	1140	1500	278	40	85	455	120	910	1705	2011
130-800-T3-M2	800	812.8	273.1	25	600	57200	1501	2000	278	40	85	505	120	1010	2478	3016
130-850-T3-D1	850	863.6	273.1	10	600	3260	1020	1750	278	15	33	255	45	510	323	472
130-850-T3-D2	850	863.6	273.1	10	600	3260	1751	2250	278	15	33	280	45	560	590	721
130-850-T3-E1	850	863.6	273.1	10	600	4720	1020	1750	278	15	39	280	65	560	403	594
130-850-T3-E2	850	863.6	273.1	10	600	4720	1751	2250	278	15	39	280	65	560	595	725
130-850-T3-F1	850	863.6	273.1	10	600	7500	1050	1750	278	20	45	305	70	610	546	774
130-850-T3-F2	850	863.6	273.1	10	600	7500	1751	2250	278	20	45	330	70	660	924	1122
130-850-T3-G1	850	863.6	273.1	12	600	10920	1080	1750	278	20	52	330	85	660	668	934
130-850-T3-G2	850	863.6	273.1	12	600	10920	1751	2250	278	20	52	355	85	710	1098	1334
130-850-T3-H1	850	863.6	273.1	15	600	14960	1080	1750	278	25	60	355	90	710	839	1156
130-850-T3-H2	850	863.6	273.1	15	600	14960	1751	2250	278	25	60	405	90	810	1535	1858
130-850-T3-I1	850	863.6	273.1	20	600	19640	1110	1750	278	30	76	405	105	810	1200	1616
130-850-T3-I2	850	863.6	273.1	20	600	19640	1751	2250	278	30	76	405	105	810	1616	1940
130-850-T3-J1	850	863.6	273.1	20	600	27120	1150	1750	278	30	85	405	120	810	1242	1631
130-850-T3-J2	850	863.6	273.1	20	600	27120	1751	2250	278	30	85	430	120	860	1848	2220
130-850-T3-K1	850	863.6	273.1	25	600	35800	1150	1750	278	35	85	430	120	860	1480	1928
130-850-T3-K2	850	863.6	273.1	25	600	35800	1751	2250	278	35	85	455	120	910	2164	2588
130-850-T3-L1	850	863.6	273.1	25	600	45480	1190	1750	278	40	85	455	120	910	1779	2255
130-850-T3-L2	850	863.6	273.1	25	600	45480	1751	2250	278	40	85	505	120	1010	2783	3321
130-850-T3-M1	850	863.6	273.1	25	600	57200	1190	1750	278	40	85	505	120	1010	2179	2782
130-850-T3-M2	850	863.6	273.1	25	600	57200	1751	2250	278	40	85	505	120	1010	2783	3321
130-900-T3-D1	900	914.4	273.1	10	600	3260	1080	1750	278	15	33	255	45	510	343	479
130-900-T3-D2	900	914.4	273.1	10	600	3260	1751	2250	278	15	33	280	45	560	599	729
130-900-T3-E1	900	914.4	273.1	10	600	4720	1080	1750	278	15	39	280	65	560	428	603
130-900-T3-E2	900	914.4	273.1	10	600	4720	1751	2250	278	15	39	280	65	560	603	734

FLAT PLATE RISER CLAMP - FIG 130



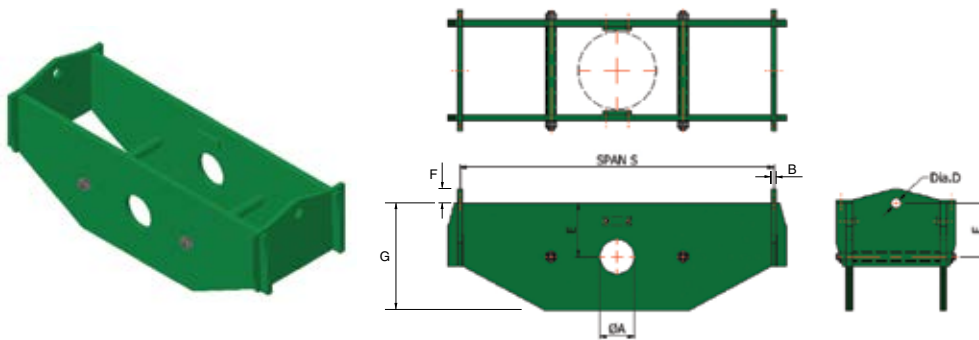
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-900-T3-F1	900	914.4	273.1	10	600	7500	1110	1750	278	20	45	305	70	610	578	786
130-900-T3-F2	900	914.4	273.1	10	600	7500	1751	2250	278	20	45	330	70	660	938	1135
130-900-T3-G1	900	914.4	273.1	12	600	10920	1130	1750	278	20	52	330	85	660	702	948
130-900-T3-G2	900	914.4	273.1	12	600	10920	1751	2250	278	20	52	355	85	710	1113	1349
130-900-T3-H1	900	914.4	273.1	15	600	14960	1140	1750	278	25	60	355	90	710	885	1174
130-900-T3-H2	900	914.4	273.1	15	600	14960	1751	2250	278	25	60	405	90	810	1555	1879
130-900-T3-I1	900	914.4	273.1	20	600	19640	1160	1750	278	30	76	405	105	810	1257	1640
130-900-T3-I2	900	914.4	273.1	20	600	19640	1751	2250	278	30	76	405	105	810	1640	1964
130-900-T3-J1	900	914.4	273.1	20	600	27120	1200	1750	278	30	85	405	120	810	1299	1656
130-900-T3-J2	900	914.4	273.1	20	600	27120	1751	2250	278	30	85	430	120	860	1874	2247
130-900-T3-K1	900	914.4	273.1	25	600	35800	1210	1750	278	35	85	430	120	860	1554	1957
130-900-T3-K2	900	914.4	273.1	25	600	35800	1751	2250	278	35	85	455	120	910	2196	2620
130-900-T3-L1	900	914.4	273.1	25	600	45480	1250	1750	278	40	85	455	120	910	1866	2291
130-900-T3-L2	900	914.4	273.1	25	600	45480	1751	2250	278	40	85	505	120	1010	2823	3361
130-900-T3-M1	900	914.4	273.1	25	600	57200	1250	1750	278	40	85	505	120	1010	2283	2822
130-900-T3-M2	900	914.4	273.1	25	600	57200	1751	2250	278	40	85	505	120	1010	2823	3361
130-950-T3-D1	950	965.2	273.1	10	600	3260	1130	1750	278	15	33	255	45	510	360	486
130-950-T3-D2	950	965.2	273.1	10	600	3260	1751	2250	278	15	33	280	45	560	606	737
130-950-T3-E1	950	965.2	273.1	10	600	4720	1130	1750	278	15	39	280	65	560	449	611
130-950-T3-E2	950	965.2	273.1	10	600	4720	1751	2250	278	15	39	280	65	560	611	742
130-950-T3-F1	950	965.2	273.1	10	600	7500	1160	1750	278	20	45	305	70	610	605	798
130-950-T3-F2	950	965.2	273.1	10	600	7500	1751	2250	278	20	45	330	70	660	950	1148
130-950-T3-G1	950	965.2	273.1	12	600	10920	1180	1750	278	20	52	330	85	660	734	960
130-950-T3-G2	950	965.2	273.1	12	600	10920	1751	2250	278	20	52	355	85	710	1126	1363
130-950-T3-H1	950	965.2	273.1	15	600	14960	1190	1750	278	25	60	355	90	710	925	1190
130-950-T3-H2	950	965.2	273.1	15	600	14960	1751	2250	278	25	60	405	90	810	1575	1898
130-950-T3-I1	950	965.2	273.1	20	600	19640	1210	1750	278	30	76	405	105	810	1312	1662
130-950-T3-I2	950	965.2	273.1	20	600	19640	1751	2250	278	30	76	405	105	810	1663	1986
130-950-T3-J1	950	965.2	273.1	20	600	27120	1250	1750	278	30	85	405	120	810	1354	1679
130-950-T3-J2	950	965.2	273.1	20	600	27120	1751	2250	278	30	85	430	120	860	1899	2271
130-950-T3-K1	950	965.2	273.1	25	600	35800	1260	1750	278	35	85	430	120	860	1619	1985
130-950-T3-K2	950	965.2	273.1	25	600	35800	1751	2250	278	35	85	455	120	910	2225	2649
130-950-T3-L1	950	965.2	273.1	25	600	45480	1300	1750	278	40	85	455	120	910	1941	2324
130-950-T3-L2	950	965.2	273.1	25	600	45480	1751	2250	278	40	85	505	120	1010	2860	3398
130-950-T3-M1	950	965.2	273.1	25	600	57200	1300	1750	278	40	85	505	120	1010	2374	2859
130-950-T3-M2	950	965.2	273.1	25	600	57200	1751	2250	278	40	85	505	120	1010	2860	3398
130-1000-T3-D1	1000	1016	273.1	10	600	3260	1180	1750	278	15	33	255	45	510	377	493
130-1000-T3-D2	1000	1016	273.1	10	600	3260	1751	2250	278	15	33	280	45	560	614	745
130-1000-T3-E1	1000	1016	273.1	10	600	4720	1180	1750	278	15	39	280	65	560	470	619
130-1000-T3-E2	1000	1016	273.1	10	600	4720	1751	2250	278	15	39	280	65	560	619	750
130-1000-T3-F1	1000	1016	273.1	10	600	7500	1210	1750	278	20	45	305	70	610	633	809
130-1000-T3-F2	1000	1016	273.1	10	600	7500	1751	2250	278	20	45	330	70	660	962	1160
130-1000-T3-G1	1000	1016	273.1	12	600	10920	1230	1750	278	20	52	330	85	660	767	973
130-1000-T3-G2	1000	1016	273.1	12	600	10920	1751	2250	278	20	52	355	85	710	1140	1377
130-1000-T3-H1	1000	1016	273.1	15	600	14960	1240	1750	278	25	60	355	90	710	965	1207
130-1000-T3-H2	1000	1016	273.1	15	600	14960	1751	2250	278	25	60	405	90	810	1594	1918
130-1000-T3-I1	1000	1016	273.1	20	600	19640	1260	1750	278	30	76	405	105	810	1367	1684
130-1000-T3-I2	1000	1016	273.1	20	600	19640	1751	2250	278	30	76	405	105	810	1685	2009

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-1000-T3-J1	1000	1016	273.1	20	600	27120	1300	1750	278	30	85	405	120	810	1410	1702
130-1000-T3-J2	1000	1016	273.1	20	600	27120	1751	2250	278	30	85	430	120	860	1924	2296
130-1000-T3-K1	1000	1016	273.1	25	600	35800	1310	1750	278	35	85	430	120	860	1684	2012
130-1000-T3-K2	1000	1016	273.1	25	600	35800	1751	2250	278	35	85	455	120	910	2254	2679
130-1000-T3-L1	1000	1016	273.1	25	600	45480	1350	1750	278	40	85	455	120	910	2016	2356
130-1000-T3-L2	1000	1016	273.1	25	600	45480	1751	2250	278	40	85	505	120	1010	2897	3435
130-1000-T3-M1	1000	1016	273.1	25	600	57200	1350	1750	278	40	85	505	120	1010	2465	2896
130-1000-T3-M2	1000	1016	273.1	25	600	57200	1751	2250	278	40	85	505	120	1010	2897	3435
130-250-T4-B1	250	273	88.9	10	600	1120	420	1000	91	10	19	95	25	190	29	51
130-250-T4-B2	250	273	88.9	10	600	1120	1001	1500	91	10	19	110	25	220	58	80
130-250-T4-C1	250	273	88.9	10	600	2080	430	1000	91	12	27	110	35	220	36	61
130-250-T4-C2	250	273	88.9	10	600	2080	1001	1500	91	12	27	135	35	270	95	131
130-250-T4-D1	250	273	88.9	10	600	3260	430	1000	91	15	33	135	45	270	59	100
130-250-T4-D2	250	273	88.9	10	600	3260	1001	1500	91	15	33	135	45	270	100	136
130-250-T4-E1	250	273	88.9	10	600	4720	430	1000	91	15	39	135	65	270	60	101
130-250-T4-E2	250	273	88.9	10	600	4720	1001	1500	91	15	39	160	65	320	144	197
130-400-T4-I1	400	406.4	141.3	20	600	19640	650	1500	144	30	76	255	105	510	351	582
130-400-T4-I2	400	406.4	141.3	20	600	19640	1501	2000	144	30	76	255	105	510	583	718
130-400-T4-J1	400	406.4	141.3	20	600	27120	690	1500	144	30	85	255	120	510	370	590
130-400-T4-J2	400	406.4	141.3	20	600	27120	1501	2000	144	30	85	280	120	560	711	878
130-400-T4-K1	400	406.4	141.3	25	600	35800	690	1500	144	35	85	280	120	560	472	744
130-400-T4-K2	400	406.4	141.3	25	600	35800	1501	2000	144	35	85	305	120	610	880	1083
130-450-T4-B1	450	457.2	141.3	10	600	1120	610	1500	144	10	19	130	25	260	55	101
130-450-T4-B2	450	457.2	141.3	10	600	1120	1501	2000	144	10	19	130	25	260	101	127
130-450-T4-C1	450	457.2	141.3	10	600	2080	610	1500	144	12	27	155	35	310	86	159
130-450-T4-C2	450	457.2	141.3	10	600	2080	1501	2000	144	12	27	155	35	310	159	201
130-450-T4-D1	450	457.2	141.3	10	600	3260	620	1500	144	15	33	155	45	310	95	168
130-450-T4-D2	450	457.2	141.3	10	600	3260	1501	2000	144	15	33	180	45	360	234	294
130-450-T4-E1	450	457.2	141.3	10	600	4720	620	1500	144	15	39	180	65	360	130	236
130-450-T4-E2	450	457.2	141.3	10	600	4720	1501	2000	144	15	39	180	65	360	236	296
130-450-T4-F1	450	457.2	141.3	10	600	7500	640	1500	144	20	45	205	70	410	193	334
130-450-T4-F2	450	457.2	141.3	10	600	7500	1501	2000	144	20	45	205	70	410	334	416
130-450-T4-G1	450	457.2	141.3	12	600	10920	670	1500	144	20	52	205	85	410	203	340
130-450-T4-G2	450	457.2	141.3	12	600	10920	1501	2000	144	20	52	230	85	460	431	538
130-450-T4-H1	450	457.2	141.3	15	600	14960	670	1500	144	25	60	230	90	460	277	456
130-450-T4-H2	450	457.2	141.3	15	600	14960	1501	2000	144	25	60	255	90	510	562	698
130-450-T4-I1	450	457.2	141.3	20	600	19640	700	1500	144	30	76	255	105	510	379	597
130-450-T4-I2	450	457.2	141.3	20	600	19640	1501	2000	144	30	76	255	105	510	597	733
130-450-T4-J1	450	457.2	141.3	20	600	27120	740	1500	144	30	85	255	120	510	398	605
130-450-T4-J2	450	457.2	141.3	20	600	27120	1501	2000	144	30	85	280	120	560	727	895
130-450-T4-K1	450	457.2	141.3	25	600	35800	740	1500	144	35	85	280	120	560	507	763
130-450-T4-K2	450	457.2	141.3	25	600	35800	1501	2000	144	35	85	305	120	610	901	1104
130-450-T4-L1	450	457.2	141.3	25	600	45480	780	1500	144	40	85	305	120	610	648	941
130-450-T4-L2	450	457.2	141.3	25	600	45480	1501	2000	144	40	85	355	120	710	1261	1545
130-500-T4-B1	500	508	168.3	10	600	1120	660	1500	171	10	19	140	25	280	63	110
130-500-T4-B2	500	508	168.3	10	600	1120	1501	2000	171	10	19	140	25	280	110	138
130-500-T4-C1	500	508	168.3	10	600	2080	660	1500	171	12	27	165	35	330	97	171
130-500-T4-C2	500	508	168.3	10	600	2080	1501	2000	171	12	27	165	35	330	171	215
130-500-T4-D1	500	508	168.3	10	600	3260	670	1500	171	15	33	165	45	330	108	181
130-500-T4-D2	500	508	168.3	10	600	3260	1501	2000	171	15	33	190	45	380	249	313
130-500-T4-E1	500	508	168.3	10	600	4720	670	1500	171	15	39	190	65	380	147	252
130-500-T4-E2	500	508	168.3	10	600	4720	1501	2000	171	15	39	190	65	380	252	315
130-500-T4-F1	500	508	168.3	10	600	7500	700	1500	171	20	45	215	70	430	217	355
130-500-T4-F2	500	508	168.3	10	600	7500	1501	2000	171	20	45	215	70	430	355	441
130-500-T4-G1	500	508	168.3	12	600	10920	720	1500	171	20	52	215	85	430	227	361
130-500-T4-G2	500	508	168.3	12	600	10920	1501	2000	171	20	52	240	85	480	455	567
130-500-T4-H1	500	508	168.3	15	600	14960	730	1500	171	25	60	240	90	480	310	483
130-500-T4-H2	500	508	168.3	15	600	14960	1501	2000	171	25	60	265	90	530	592	733
130-500-T4-I1	500	508	168.3	20	600	19640	750	1500	171	30	76	265	105	530	418	630
130-500-T4-I2	500	508	168.3	20	600	19640	1501	2000	171	30	76	265	105	530	631	772
130-500-T4-J1	500	508	168.3	20	600	27120	790	1500	171	30	85	265	120	530	438	639
130-500-T4-J2	500	508	168.3	20	600	27120	1501	2000	171	30	85	290	120	580	765	938
130-500-T4-K1	500	508	168.3	25	600	35800	800	1500	171	35	85	290	120	580	560	803
130-500-T4-K2	500	508	168.3	25	600	35800	1501	2000	171	35	85	315	120	630	945	1154

FLAT PLATE RISER CLAMP - FIG 130



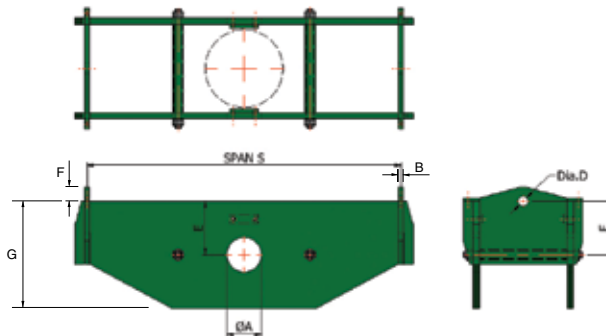
Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-500-T4-L1	500	508	168.3	25	600	45480	840	1500	171	40	85	315	120	630	711	989
130-500-T4-L2	500	508	168.3	25	600	45480	1501	2000	171	40	85	365	120	730	1316	1608
130-500-T4-M1	500	508	168.3	25	600	57200	840	1500	171	40	85	365	120	730	930	1316
130-500-T4-M2	500	508	168.3	25	600	57200	1501	2000	171	40	85	365	120	730	1316	1608
130-550-T4-C1	550	558.8	168.3	10	600	2080	710	1500	171	12	27	165	35	330	105	174
130-550-T4-C2	550	558.8	168.3	10	600	2080	1501	2000	171	12	27	165	35	330	175	219
130-550-T4-D1	550	558.8	168.3	10	600	3260	720	1500	171	15	33	165	45	330	116	185
130-550-T4-D2	550	558.8	168.3	10	600	3260	1501	2000	171	15	33	190	45	380	254	318
130-550-T4-E1	550	558.8	168.3	10	600	4720	720	1500	171	15	39	190	65	380	158	257
130-550-T4-E2	550	558.8	168.3	10	600	4720	1501	2000	171	15	39	190	65	380	257	321
130-550-T4-F1	550	558.8	168.3	10	600	7500	750	1500	171	20	45	215	70	430	233	362
130-550-T4-F2	550	558.8	168.3	10	600	7500	1501	2000	171	20	45	215	70	430	363	449
130-550-T4-G1	550	558.8	168.3	12	600	10920	770	1500	171	20	52	215	85	430	243	369
130-550-T4-G2	550	558.8	168.3	12	600	10920	1501	2000	171	20	52	240	85	480	465	576
130-550-T4-H1	550	558.8	168.3	15	600	14960	780	1500	171	25	60	240	90	480	332	494
130-550-T4-H2	550	558.8	168.3	15	600	14960	1501	2000	171	25	60	265	90	530	604	745
130-550-T4-I1	550	558.8	168.3	20	600	19640	800	1500	171	30	76	265	105	530	447	645
130-550-T4-I2	550	558.8	168.3	20	600	19640	1501	2000	171	30	76	265	105	530	645	786
130-550-T4-J1	550	558.8	168.3	20	600	27120	840	1500	171	30	85	265	120	530	468	654
130-550-T4-J2	550	558.8	168.3	20	600	27120	1501	2000	171	30	85	290	120	580	781	955
130-550-T4-K1	550	558.8	168.3	25	600	35800	850	1500	171	35	85	290	120	580	596	822
130-550-T4-K2	550	558.8	168.3	25	600	35800	1501	2000	171	35	85	315	120	630	965	1175
130-550-T4-L1	550	558.8	168.3	25	600	45480	890	1500	171	40	85	315	120	630	755	1012
130-550-T4-L2	550	558.8	168.3	25	600	45480	1501	2000	171	40	85	365	120	730	1343	1634
130-550-T4-M1	550	558.8	168.3	25	600	57200	890	1500	171	40	85	365	120	730	986	1342
130-550-T4-M2	550	558.8	168.3	25	600	57200	1501	2000	171	40	85	365	120	730	1343	1634
130-600-T4-C1	600	609.6	219.1	10	600	2080	770	1500	223	12	27	185	35	370	123	195
130-600-T4-C2	600	609.6	219.1	10	600	2080	1501	2000	223	12	27	185	35	370	195	244
130-600-T4-D1	600	609.6	219.1	10	600	3260	770	1500	223	15	33	185	45	370	135	207
130-600-T4-D2	600	609.6	219.1	10	600	3260	1501	2000	223	15	33	210	45	420	280	350
130-600-T4-E1	600	609.6	219.1	10	600	4720	770	1500	223	15	39	210	65	420	181	283
130-600-T4-E2	600	609.6	219.1	10	600	4720	1501	2000	223	15	39	210	65	420	284	354
130-600-T4-F1	600	609.6	219.1	10	600	7500	800	1500	223	20	45	235	70	470	265	397
130-600-T4-F2	600	609.6	219.1	10	600	7500	1501	2000	223	20	45	235	70	470	397	491
130-600-T4-G1	600	609.6	219.1	12	600	10920	820	1500	223	20	52	235	85	470	276	404
130-600-T4-G2	600	609.6	219.1	12	600	10920	1501	2000	223	20	52	260	85	520	504	625
130-600-T4-H1	600	609.6	219.1	15	600	14960	830	1500	223	25	60	260	90	520	374	537
130-600-T4-H2	600	609.6	219.1	15	600	14960	1501	2000	223	25	60	285	90	570	652	804
130-600-T4-I1	600	609.6	219.1	20	600	19640	860	1500	223	30	76	285	105	570	502	697
130-600-T4-I2	600	609.6	219.1	20	600	19640	1501	2000	223	30	76	285	105	570	697	849
130-600-T4-J1	600	609.6	219.1	20	600	27120	890	1500	223	30	85	285	120	570	522	707
130-600-T4-J2	600	609.6	219.1	20	600	27120	1501	2000	223	30	85	310	120	620	839	1025
130-600-T4-K1	600	609.6	219.1	25	600	35800	900	1500	223	35	85	310	120	620	661	885
130-600-T4-K2	600	609.6	219.1	25	600	35800	1501	2000	223	35	85	335	120	670	1033	1256
130-600-T4-L1	600	609.6	219.1	25	600	45480	940	1500	223	40	85	335	120	670	834	1085
130-600-T4-L2	600	609.6	219.1	25	600	45480	1501	2000	223	40	85	385	120	770	1427	1735
130-600-T4-M1	600	609.6	219.1	25	600	57200	940	1500	223	40	85	385	120	770	1081	1426
130-600-T4-M2	600	609.6	219.1	25	600	57200	1501	2000	223	40	85	385	120	770	1427	1735

FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-650-T4-C1	650	660.4	219.1	10	600	2080	820	1500	223	12	27	185	35	370	132	199
130-650-T4-C2	650	660.4	219.1	10	600	2080	1501	2000	223	12	27	185	35	370	199	248
130-650-T4-D1	650	660.4	219.1	10	600	3260	820	1500	223	15	33	185	45	370	145	212
130-650-T4-D2	650	660.4	219.1	10	600	3260	1501	2000	223	15	33	210	45	420	286	356
130-650-T4-E1	650	660.4	219.1	10	600	4720	820	1500	223	15	39	210	65	420	194	289
130-650-T4-E2	650	660.4	219.1	10	600	4720	1501	2000	223	15	39	210	65	420	290	360
130-650-T4-F1	650	660.4	219.1	10	600	7500	850	1500	223	20	45	235	70	470	283	405
130-650-T4-F2	650	660.4	219.1	10	600	7500	1501	2000	223	20	45	235	70	470	405	499
130-650-T4-G1	650	660.4	219.1	12	600	10920	870	1500	223	20	52	235	85	470	294	413
130-650-T4-G2	650	660.4	219.1	12	600	10920	1501	2000	223	20	52	260	85	520	514	635
130-650-T4-H1	650	660.4	219.1	15	600	14960	880	1500	223	25	60	260	90	520	398	549
130-650-T4-H2	650	660.4	219.1	15	600	14960	1501	2000	223	25	60	285	90	570	665	817
130-650-T4-I1	650	660.4	219.1	20	600	19640	910	1500	223	30	76	285	105	570	534	713
130-650-T4-I2	650	660.4	219.1	20	600	19640	1501	2000	223	30	76	285	105	570	713	865
130-650-T4-J1	650	660.4	219.1	20	600	27120	940	1500	223	30	85	285	120	570	554	724
130-650-T4-J2	650	660.4	219.1	20	600	27120	1501	2000	223	30	85	310	120	620	857	1043
130-650-T4-K1	650	660.4	219.1	25	600	35800	950	1500	223	35	85	310	120	620	700	905
130-650-T4-K2	650	660.4	219.1	25	600	35800	1501	2000	223	35	85	335	120	670	1055	1278
130-650-T4-L1	650	660.4	219.1	25	600	45480	990	1500	223	40	85	335	120	670	882	1110
130-650-T4-L2	650	660.4	219.1	25	600	45480	1501	2000	223	40	85	385	120	770	1456	1763
130-650-T4-M1	650	660.4	219.1	25	600	57200	990	1500	223	40	85	385	120	770	1141	1455
130-650-T4-M2	650	660.4	219.1	25	600	57200	1501	2000	223	40	85	385	120	770	1456	1763
130-700-T4-C1	700	711.2	219.1	10	600	2080	870	1500	223	12	27	185	35	370	140	203
130-700-T4-C2	700	711.2	219.1	10	600	2080	1501	2000	223	12	27	185	35	370	203	252
130-700-T4-D1	700	711.2	219.1	10	600	3260	870	1500	223	15	33	185	45	370	155	217
130-700-T4-D2	700	711.2	219.1	10	600	3260	1501	2000	223	15	33	210	45	420	292	362
130-700-T4-E1	700	711.2	219.1	10	600	4720	870	1500	223	15	39	210	65	420	207	295
130-700-T4-E2	700	711.2	219.1	10	600	4720	1501	2000	223	15	39	210	65	420	296	365
130-700-T4-F1	700	711.2	219.1	10	600	7500	900	1500	223	20	45	235	70	470	301	414
130-700-T4-F2	700	711.2	219.1	10	600	7500	1501	2000	223	20	45	235	70	470	414	508
130-700-T4-G1	700	711.2	219.1	12	600	10920	930	1500	223	20	52	235	85	470	314	422
130-700-T4-G2	700	711.2	219.1	12	600	10920	1501	2000	223	20	52	260	85	520	524	645
130-700-T4-H1	700	711.2	219.1	15	600	14960	930	1500	223	25	60	260	90	520	422	561
130-700-T4-H2	700	711.2	219.1	15	600	14960	1501	2000	223	25	60	285	90	570	679	830
130-700-T4-I1	700	711.2	219.1	20	600	19640	960	1500	223	30	76	285	105	570	564	729
130-700-T4-I2	700	711.2	219.1	20	600	19640	1501	2000	223	30	76	285	105	570	729	881
130-700-T4-J1	700	711.2	219.1	20	600	27120	1000	1500	223	30	85	285	120	570	588	740
130-700-T4-J2	700	711.2	219.1	20	600	27120	1501	2000	223	30	85	310	120	620	875	1061
130-700-T4-K1	700	711.2	219.1	25	600	35800	1000	1500	223	35	85	310	120	620	739	925
130-700-T4-K2	700	711.2	219.1	25	600	35800	1501	2000	223	35	85	335	120	670	1076	1299
130-700-T4-L1	700	711.2	219.1	25	600	45480	1040	1500	223	40	85	335	120	670	928	1134
130-700-T4-L2	700	711.2	219.1	25	600	45480	1501	2000	223	40	85	385	120	770	1484	1792
130-700-T4-M1	700	711.2	219.1	25	600	57200	1040	1500	223	40	85	385	120	770	1200	1483
130-700-T4-M2	700	711.2	219.1	25	600	57200	1501	2000	223	40	85	385	120	770	1484	1792
130-750-T4-D1	750	762	273.1	10	600	3260	920	1500	278	15	33	205	45	410	175	239
130-750-T4-D2	750	762	273.1	10	600	3260	1501	2000	278	15	33	230	45	460	318	394
130-750-T4-E1	750	762	273.1	10	600	4720	920	1500	278	15	39	230	65	460	232	321
130-750-T4-E2	750	762	273.1	10	600	4720	1501	2000	278	15	39	230	65	460	322	398
130-750-T4-F1	750	762	273.1	10	600	7500	950	1500	278	20	45	255	70	510	335	448
130-750-T4-F2	750	762	273.1	10	600	7500	1501	2000	278	20	45	255	70	510	448	550
130-750-T4-G1	750	762	273.1	12	600	10920	980	1500	278	20	52	255	85	510	350	456
130-750-T4-G2	750	762	273.1	12	600	10920	1501	2000	278	20	52	280	85	560	562	693
130-750-T4-H1	750	762	273.1	15	600	14960	980	1500	278	25	60	280	90	560	468	604
130-750-T4-H2	750	762	273.1	15	600	14960	1501	2000	278	25	60	305	90	610	726	888
130-750-T4-I1	750	762	273.1	20	600	19640	1010	1500	278	30	76	305	105	610	621	781
130-750-T4-I2	750	762	273.1	20	600	19640	1501	2000	278	30	76	305	105	610	781	944
130-750-T4-J1	750	762	273.1	20	600	27120	1050	1500	278	30	85	305	120	610	647	793
130-750-T4-J2	750	762	273.1	20	600	27120	1501	2000	278	30	85	330	120	660	933	1131
130-750-T4-K1	750	762	273.1	25	600	35800	1050	1500	278	35	85	330	120	660	810	988
130-750-T4-K2	750	762	273.1	25	600	35800	1501	2000	278	35	85	355	120	710	1144	1381
130-750-T4-L1	750	762	273.1	25	600	45480	1090	1500	278	40	85	355	120	710	1013	1207
130-750-T4-L2	750	762	273.1	25	600	45480	1501	2000	278	40	85	405	120	810	1568	1891
130-750-T4-M1	750	762	273.1	25	600	57200	1090	1500	278	40	85	405	120	810	1301	1567
130-750-T4-M2	750	762	273.1	25	600	57200	1501	2000	278	40	85	405	120	810	1568	1891

FLAT PLATE RISER CLAMP - FIG 130



Materials:
 Range T0 - Carbon Steel
 Range T1 - Alloy Steel
 Range T2 - Alloy Steel
 Range T3 - Alloy Steel
 Range T4 - 9% Cr Steel

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-800-T4-D1	800	812.8	273.1	10	600	3260	980	1500	278	15	33	205	45	410	187	244
130-800-T4-D2	800	812.8	273.1	10	600	3260	1501	2000	278	15	33	230	45	460	324	400
130-800-T4-E1	800	812.8	273.1	10	600	4720	980	1500	278	15	39	230	65	460	248	328
130-800-T4-E2	800	812.8	273.1	10	600	4720	1501	2000	278	15	39	230	65	460	328	404
130-800-T4-F1	800	812.8	273.1	10	600	7500	1000	1500	278	20	45	255	70	510	355	457
130-800-T4-F2	800	812.8	273.1	10	600	7500	1501	2000	278	20	45	255	70	510	457	559
130-800-T4-G1	800	812.8	273.1	12	600	10920	1030	1500	278	20	52	255	85	510	370	465
130-800-T4-G2	800	812.8	273.1	12	600	10920	1501	2000	278	20	52	280	85	560	573	703
130-800-T4-H1	800	812.8	273.1	15	600	14960	1030	1500	278	25	60	280	90	560	493	616
130-800-T4-H2	800	812.8	273.1	15	600	14960	1501	2000	278	25	60	305	90	610	740	902
130-800-T4-I1	800	812.8	273.1	20	600	19640	1060	1500	278	30	76	305	105	610	654	798
130-800-T4-I2	800	812.8	273.1	20	600	19640	1501	2000	278	30	76	305	105	610	798	960
130-800-T4-J1	800	812.8	273.1	20	600	27120	1100	1500	278	30	85	305	120	610	680	811
130-800-T4-J2	800	812.8	273.1	20	600	27120	1501	2000	278	30	85	330	120	660	952	1149
130-800-T4-K1	800	812.8	273.1	25	600	35800	1100	1500	278	35	85	330	120	660	850	1009
130-800-T4-K2	800	812.8	273.1	25	600	35800	1501	2000	278	35	85	355	120	710	1167	1403
130-800-T4-L1	800	812.8	273.1	25	600	45480	1140	1500	278	40	85	355	120	710	1062	1233
130-800-T4-L2	800	812.8	273.1	25	600	45480	1501	2000	278	40	85	405	120	810	1597	1921
130-800-T4-M1	800	812.8	273.1	25	600	57200	1140	1500	278	40	85	405	120	810	1363	1597
130-800-T4-M2	800	812.8	273.1	25	600	57200	1501	2000	278	40	85	405	120	810	1597	1921
130-850-T4-D1	850	863.6	273.1	10	600	3260	1020	1750	278	15	33	230	45	460	256	368
130-850-T4-D2	850	863.6	273.1	10	600	3260	1751	2250	278	15	33	230	45	460	368	444
130-850-T4-E1	850	863.6	273.1	10	600	4720	1020	1750	278	15	39	230	65	460	260	372
130-850-T4-E2	850	863.6	273.1	10	600	4720	1751	2250	278	15	39	255	65	510	477	579
130-850-T4-F1	850	863.6	273.1	10	600	7500	1050	1750	278	20	45	255	70	510	374	516
130-850-T4-F2	850	863.6	273.1	10	600	7500	1751	2250	278	20	45	255	70	510	517	619
130-850-T4-G1	850	863.6	273.1	12	600	10920	1080	1750	278	20	52	280	85	560	473	648
130-850-T4-G2	850	863.6	273.1	12	600	10920	1751	2250	278	20	52	280	85	560	648	779
130-850-T4-H1	850	863.6	273.1	15	600	14960	1080	1750	278	25	60	280	90	560	518	694
130-850-T4-H2	850	863.6	273.1	15	600	14960	1751	2250	278	25	60	305	90	610	834	997
130-850-T4-I1	850	863.6	273.1	20	600	19640	1110	1750	278	30	76	305	105	610	686	895
130-850-T4-I2	850	863.6	273.1	20	600	19640	1751	2250	278	30	76	330	105	660	1054	1252
130-850-T4-J1	850	863.6	273.1	20	600	27120	1150	1750	278	30	85	330	120	660	830	1068
130-850-T4-J2	850	863.6	273.1	20	600	27120	1751	2250	278	30	85	355	120	710	1242	1478
130-850-T4-K1	850	863.6	273.1	25	600	35800	1150	1750	278	35	85	355	120	710	1022	1306
130-850-T4-K2	850	863.6	273.1	25	600	35800	1751	2250	278	35	85	355	120	710	1307	1543
130-850-T4-L1	850	863.6	273.1	25	600	45480	1190	1750	278	40	85	355	120	710	1110	1376
130-850-T4-L2	850	863.6	273.1	25	600	45480	1751	2250	278	40	85	405	120	810	1787	2111
130-850-T4-M1	850	863.6	273.1	25	600	57200	1190	1750	278	40	85	405	120	810	1423	1786
130-850-T4-M2	850	863.6	273.1	25	600	57200	1751	2250	278	40	85	405	120	810	1787	2111
130-900-T4-D1	900	914.4	273.1	10	600	3260	1080	1750	278	15	33	230	45	460	271	374
130-900-T4-D2	900	914.4	273.1	10	600	3260	1751	2250	278	15	33	230	45	460	374	451
130-900-T4-E1	900	914.4	273.1	10	600	4720	1080	1750	278	15	39	230	65	460	276	379
130-900-T4-E2	900	914.4	273.1	10	600	4720	1751	2250	278	15	39	255	65	510	484	586
130-900-T4-F1	900	914.4	273.1	10	600	7500	1110	1750	278	20	45	255	70	510	395	526
130-900-T4-F2	900	914.4	273.1	10	600	7500	1751	2250	278	20	45	255	70	510	526	628
130-900-T4-G1	900	914.4	273.1	12	600	10920	1130	1750	278	20	52	280	85	560	497	659
130-900-T4-G2	900	914.4	273.1	12	600	10920	1751	2250	278	20	52	280	85	560	660	790

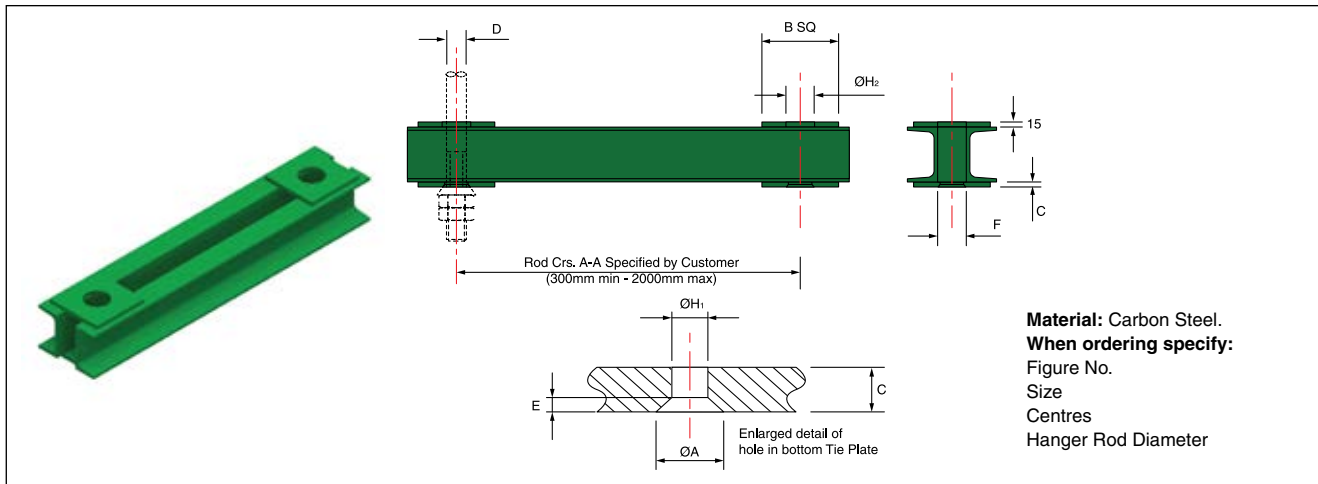
FLAT PLATE RISER CLAMP - FIG 130

Part No.	Pipe NB	Pipe O/D	Trunnion O/D (1)	Maximum Trunnion Weld (2)	Max Temp.	Max Load	Span S (Min)	Span S (Max)	ØA	B	ØD	E	F	G	Weight at Min Span	Weight at Max Span
	mm	mm	mm	mm	°C	kg	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
130-900-T4-H1	900	914.4	273.1	15	600	14960	1140	1750	278	25	60	280	90	560	548	707
130-900-T4-H2	900	914.4	273.1	15	600	14960	1751	2250	278	25	60	305	90	610	849	1012
130-900-T4-I1	900	914.4	273.1	20	600	19640	1160	1750	278	30	76	305	105	610	720	912
130-900-T4-I2	900	914.4	273.1	20	600	19640	1751	2250	278	30	76	330	105	660	1073	1271
130-900-T4-J1	900	914.4	273.1	20	600	27120	1200	1750	278	30	85	330	120	660	870	1088
130-900-T4-J2	900	914.4	273.1	20	600	27120	1751	2250	278	30	85	355	120	710	1263	1500
130-900-T4-K1	900	914.4	273.1	25	600	35800	1210	1750	278	35	85	355	120	710	1074	1330
130-900-T4-K2	900	914.4	273.1	25	600	35800	1751	2250	278	35	85	355	120	710	1331	1567
130-900-T4-L1	900	914.4	273.1	25	600	45480	1250	1750	278	40	85	355	120	710	1166	1403
130-900-T4-L2	900	914.4	273.1	25	600	45480	1751	2250	278	40	85	405	120	810	1818	2142
130-900-T4-M1	900	914.4	273.1	25	600	57200	1250	1750	278	40	85	405	120	810	1493	1818
130-900-T4-M2	900	914.4	273.1	25	600	57200	1751	2250	278	40	85	405	120	810	1818	2142
130-950-T4-D1	950	965.2	273.1	10	600	3260	1130	1750	278	15	33	230	45	460	285	380
130-950-T4-D2	950	965.2	273.1	10	600	3260	1751	2250	278	15	33	230	45	460	380	457
130-950-T4-E1	950	965.2	273.1	10	600	4720	1130	1750	278	15	39	230	65	460	290	385
130-950-T4-E2	950	965.2	273.1	10	600	4720	1751	2250	278	15	39	255	65	510	491	593
130-950-T4-F1	950	965.2	273.1	10	600	7500	1160	1750	278	20	45	255	70	510	415	535
130-950-T4-F2	950	965.2	273.1	10	600	7500	1751	2250	278	20	45	255	70	510	535	637
130-950-T4-G1	950	965.2	273.1	12	600	10920	1180	1750	278	20	52	280	85	560	521	670
130-950-T4-G2	950	965.2	273.1	12	600	10920	1751	2250	278	20	52	280	85	560	670	800
130-950-T4-H1	950	965.2	273.1	15	600	14960	1190	1750	278	25	60	280	90	560	573	720
130-950-T4-H2	950	965.2	273.1	15	600	14960	1751	2250	278	25	60	305	90	610	863	1025
130-950-T4-I1	950	965.2	273.1	20	600	19640	1210	1750	278	30	76	305	105	610	752	928
130-950-T4-I2	950	965.2	273.1	20	600	19640	1751	2250	278	30	76	330	105	660	1091	1289
130-950-T4-J1	950	965.2	273.1	20	600	27120	1250	1750	278	30	85	330	120	660	908	1106
130-950-T4-J2	950	965.2	273.1	20	600	27120	1751	2250	278	30	85	355	120	710	1283	1519
130-950-T4-K1	950	965.2	273.1	25	600	35800	1260	1750	278	35	85	355	120	710	1120	1352
130-950-T4-K2	950	965.2	273.1	25	600	35800	1751	2250	278	35	85	355	120	710	1353	1589
130-950-T4-L1	950	965.2	273.1	25	600	45480	1300	1750	278	40	85	355	120	710	1214	1428
130-950-T4-L2	950	965.2	273.1	25	600	45480	1751	2250	278	40	85	405	120	810	1847	2171
130-950-T4-M1	950	965.2	273.1	25	600	57200	1300	1750	278	40	85	405	120	810	1555	1846
130-950-T4-M2	950	965.2	273.1	25	600	57200	1751	2250	278	40	85	405	120	810	1847	2171
130-1000-T4-D1	1000	1016	273.1	10	600	3260	1180	1750	278	15	33	230	45	460	299	386
130-1000-T4-D2	1000	1016	273.1	10	600	3260	1751	2250	278	15	33	230	45	460	386	463
130-1000-T4-E1	1000	1016	273.1	10	600	4720	1180	1750	278	15	39	230	65	460	304	391
130-1000-T4-E2	1000	1016	273.1	10	600	4720	1751	2250	278	15	39	255	65	510	498	600
130-1000-T4-F1	1000	1016	273.1	10	600	7500	1210	1750	278	20	45	255	70	510	434	544
130-1000-T4-F2	1000	1016	273.1	10	600	7500	1751	2250	278	20	45	255	70	510	544	646
130-1000-T4-G1	1000	1016	273.1	12	600	10920	1230	1750	278	20	52	280	85	560	544	680
130-1000-T4-G2	1000	1016	273.1	12	600	10920	1751	2250	278	20	52	280	85	560	680	811
130-1000-T4-H1	1000	1016	273.1	15	600	14960	1240	1750	278	25	60	280	90	560	599	732
130-1000-T4-H2	1000	1016	273.1	15	600	14960	1751	2250	278	25	60	305	90	610	877	1039
130-1000-T4-I1	1000	1016	273.1	20	600	19640	1260	1750	278	30	76	305	105	610	785	944
130-1000-T4-I2	1000	1016	273.1	20	600	19640	1751	2250	278	30	76	330	105	660	1109	1306
130-1000-T4-J1	1000	1016	273.1	20	600	27120	1300	1750	278	30	85	330	120	660	946	1124
130-1000-T4-J2	1000	1016	273.1	20	600	27120	1751	2250	278	30	85	355	120	710	1303	1539
130-1000-T4-K1	1000	1016	273.1	25	600	35800	1310	1750	278	35	85	355	120	710	1166	1375
130-1000-T4-K2	1000	1016	273.1	25	600	35800	1751	2250	278	35	85	355	120	710	1375	1612
130-1000-T4-L1	1000	1016	273.1	25	600	45480	1350	1750	278	40	85	355	120	710	1263	1453
130-1000-T4-L2	1000	1016	273.1	25	600	45480	1751	2250	278	40	85	405	120	810	1876	2199
130-1000-T4-M1	1000	1016	273.1	25	600	57200	1350	1750	278	40	85	405	120	810	1616	1875
130-1000-T4-M2	1000	1016	273.1	25	600	57200	1751	2250	278	40	85	405	120	810	1876	2199

Note (1): The standard designs allow for the trunnion size listed above. If the actual trunnion size is different to this, please note this on the purchase order. Carpenter and Paterson (Asia) Limited are not responsible for the suitability of trunnion size for any given loading condition.

Note (2): The trunnions may be welded to pipe with butt welds, with fillet welds, or with butt weld reinforced with fillet welds. The selection of weld size and type will depend on the loading condition; Carpenter and Paterson (Asia) Limited are not responsible for the suitability of weld type or size. The standard designs allow for maximum size of fillet weld as shown in the table. The clamp is provided with spacer plates to centralise the pipe. If using larger size fillet welds or if using butt welds and you want the side plates to be close in to the pipe, please note the requirement on the purchase order

WELDED TRAPEZE BEAM FABRICATION - FIG 400



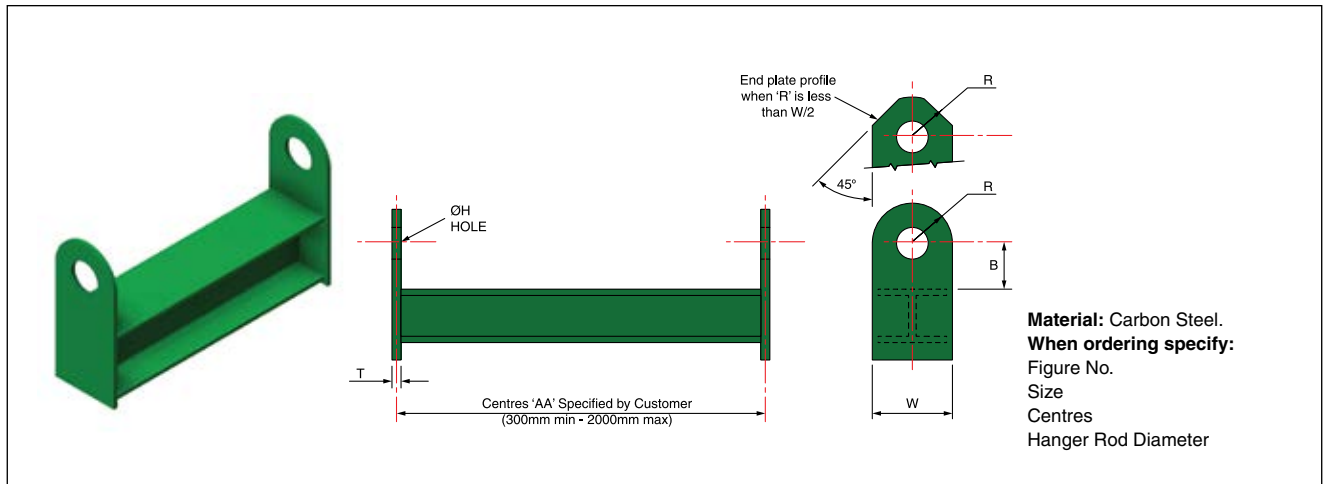
Beam Size		Max Rod Size	Tie Plates		Hole H ₂ Gap F
Size	Channel		B	C	
1	75x40	M30	120	20	55
2	100x50	M42	140	20	70
3	125x65	M48	190	25	85
4	150x75	M48	200	25	85
5	200x80	M56	230	30	110
6	250x90	M64	270	40	135
7	300x90	M72	300	45	150
8	380x100	M90	340	60	180

Size	Channel Size	Maximum Load (kg) at Rod Centres 'A-A' mm								
		300	350	400	450	500	550	600	650	700
1	75x40	4075	3465	3055	2750	2445	2240	2140	1935	1835
2	100x50	6930	5910	5200	4585	4075	3770	3365	3160	2955
3	125x65	10500	9380	8155	7240	6525	5910	5400	4995	4690
4	150x75	17335	14985	13560	12030	10910	9890	9075	8360	7750
5	200x80	-	-	21210	19575	17640	16005	14680	13560	12540
6	250x90	-	-	-	-	29060	26510	24265	22430	20800
7	300x90	-	-	-	-	-	-	38745	35790	33240
8	380x100	-	-	-	-	-	-	-	-	64750

Size	Channel Size	Maximum Load (kg) at Rod Centres 'A-A' mm								
		750	900	1050	1200	1350	1500	1750	2000	
1	75x40	1730	1425	1220	1020	915	815	-	-	
2	100x50	2750	2345	1935	1730	1525	1325	-	-	
3	125x65	4385	3670	3055	2750	2445	2140	1830	1605	
4	150x75	7240	6015	5200	4485	3975	3670	3145	2750	
5	200x80	11725	9785	8360	7340	6525	5810	4980	4355	
6	250x90	19370	16210	13865	12135	10805	9685	8300	7260	
7	300x90	30995	25900	22225	19370	17230	15495	13280	11620	
8	380x100	60365	50370	43235	37830	33650	30285	25955	22710	

Rod Size ØD		M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72	M80	M90
Hole ØH1		16	18	22	30	33	43	48	56	64	74	84	94	102	112
Chamfer	ØA	24	32	35	42	51	54	70	80	85	90	100	110	125	145
	E	6	6	6	6	8	10	10	10	10	10	10	10	15	15
Max Load per Rod (kg)		380	560	1040	1630	2360	3750	5460	7480	9820	13560	17900	22740	28600	36000

TRAPEZE BEAM - FIG 401



Beam Size		End Plates	
Size	Section	W	B
1	RHS100x50x6	80	65
2	H100x100x17.2	140	90
3	H125x125x23.8	170	120
4	H150x150x31.5	170	120
5	H200x200x49.9	225	150
6	H250x250x72.4	275	160
7	H300x300x94	325	190
8	H350x350x137	390	220

Size	Beam	Maximum Load (kg) at Rod Centres 'A-A' mm								
		300	350	400	450	500	550	600	650	700
1	RHS100x50x6	4075	3465	3055	2750	2445	2240	2140	1935	1835
2	H100x100x17.2	6930	5910	5200	4585	4075	3770	3365	3160	2955
3	H125x125x23.8	10500	9380	8155	7240	6525	5910	5400	4995	4690
4	H150x150x31.5	17335	14985	13560	12030	10910	9890	9075	8360	7750
5	H200x200x49.9	-	-	21210	19575	17640	16005	14680	13560	12540
6	H250x250x72.4	-	-	-	-	29060	26510	24265	22430	20800
7	H300x300x94	-	-	-	-	-	-	38745	35790	33240
8	H350x350x137	-	-	-	-	-	-	-	-	64750

Size	Beam	Maximum Load (kg) at Rod Centres 'A-A' mm								
		750	900	1050	1200	1350	1500	1750	2000	
1	RHS100x50x6	1730	1425	1220	1020	915	815	-	-	
2	H100x100x17.2	2750	2345	1935	1730	1525	1325	-	-	
3	H125x125x23.8	4385	3670	3055	2750	2445	2140	1830	1605	
4	H150x150x31.5	7240	6015	5200	4485	3975	3670	3145	2750	
5	H200x200x49.9	11725	9785	8360	7340	6525	5810	4980	4355	
6	H250x250x72.4	19370	16210	13865	12135	10805	9685	8300	7260	
7	H300x300x94	30995	25900	22225	19370	17230	15495	13280	11620	
8	H350x350x137	60365	50370	43235	37830	33650	30285	25955	22710	

Rod Size ØD	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56	M64	M72	M80	M90
Hole ØH	12	14	18	22	26	32	39	45	51	60	68	76	84	94
Rad R	25	25	25	30	35	45	65	70	85	90	95	105	120	135
Thk. 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



Carpenter & Paterson (Asia) Ltd
Bangkok Free Trade Zone – 88/91 Moo 15
Bangsaothong
Samuthprakarn
10570 Thailand

Tel: +66 (0) 2182 5204
Email: info@cp-ltd.co.th
www.cpa-pipesupports.com



Worldwide Manufacturing Locations:

- Thailand - Carpenter & Paterson (Asia) Ltd
- UK - Carpenter & Paterson Limited
- India - Carpenter & Paterson India PVT Ltd

CPA Sales Director
Jonathan Jones
j.jones@cp-ltd.co.th

SALES OFFICES:

ASIA:

China: cpchina@cp-ltd.co.th
India: guna@cp-ltd.co.th
Indonesia: cpindonesia@cp-ltd.co.th
Japan: aaron@cp-ltd.co.th
Korea: cpk@cp-ltd.co.th
Malaysia: cpmalaysia@cp-ltd.co.th
Philippines: cpp@cp-ltd.co.th
Singapore: llee@cp-ltd.sg
Taiwan: cpt@cp-ltd.co.th
Thailand: cpthailand@cp-ltd.co.th
Vietnam: cpvietnam@cp-ltd.co.th

OCEANIA:

Australia: cpaus@cp-ltd.co.th



EUROPE (CARPENTER & PATERSON LIMITED, UK):

All of Europe: info@cp-ltd.co.uk

NORTH AND CENTRAL AMERICA:

USA: Sales Director USA – Jeff Bowers: j.bowers@cp-ltd.co.th
Texas & Louisiana: cphouston@cp-ltd.co.th
Kansas & Missouri: cpkansas@cp-ltd.co.th
New England: cpboston@cp-ltd.co.th
Mid Atlantic: cpmidatlantic@cp-ltd.co.th
Southeast: cpsoutheast@cp-ltd.co.th
West Coast: cpcalifornia@cp-ltd.co.th

Mexico: cpmexico@cp-ltd.co.th

MIDDLE EAST:

cpmiddleeast@cp-ltd.co.th