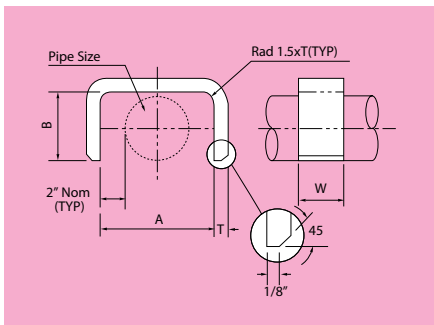


314 WELDED OVERSTRAP TYPE 2A -4°F TO 662°F



Material: Carbon Steel

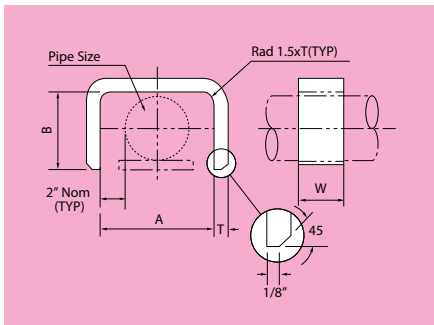
PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						VERTICAL		AXIAL	
						lbs	kip	lbs	kip
F314-20	3/4	5	1.19	1.97	0.32	892	0.89	1973	1.97
F314-25	1	5.24	1.46	1.97	0.32	870	0.87	1653	1.65
F314-32	1 1/4	5.6	1.82	1.97	0.32	837	0.84	1366	1.37
F314-40	1 1/2	5.83	2.05	1.97	0.32	815	0.82	1234	1.23
F314-50	2	6.3	2.52	2.95	0.48	2535	2.54	3362	3.36
F314-80	3	7.45	3.67	2.95	0.48	2248	2.25	2414	2.41
F314-100	4	8.43	4.65	3.94	0.48	2733	2.73	2965	2.97
F314-150	6	10.56	6.78	5.51	0.79	8598	8.6	7330	7.33

For combined vertical and axial loading, use the following formula:-

$$\frac{P_v}{SWL_v} + \frac{P_{ax}}{SWL_{ax}} \leq 1$$

Order by: Fig number and pipe size.

315 WELDED OVERSTRAP TYPE 2B -4°F TO 662°F



Material: Stainless Steel Grade 316

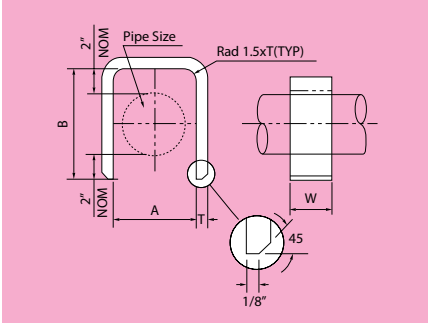
PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						VERTICAL		AXIAL	
						lbs	kip	lbs	kip
F315-20	3/4	5	1.42	1.97	0.32	507	0.51	947	0.95
F315-25	1	5.24	1.7	1.97	0.32	496	0.5	815	0.82
F315-32	1 1/4	5.6	2.05	1.97	0.32	473	0.47	683	0.68
F315-40	1 1/2	5.83	2.29	1.97	0.32	462	0.46	628	0.63
F315-50	2	6.3	2.76	2.96	0.48	1433	1.43	1730	1.73
F315-80	3	7.45	3.9	2.96	0.48	1267	1.27	1267	1.27
F315-100	4	8.43	4.89	3.94	0.48	1532	1.53	1576	1.58
F315-150	6	10.56	10.56	5.52	0.79	4817	4.82	3946	3.95

For combined vertical and axial loading, use the following formula:-

$$\frac{P_v}{SWL_v} + \frac{P_{ax}}{SWL_{ax}} \leq 1$$

Order by: Fig number and pipe size.

316 WELDED OVERSTRAP TYPE 3A -4°F TO 662°F



Material: Carbon Steel

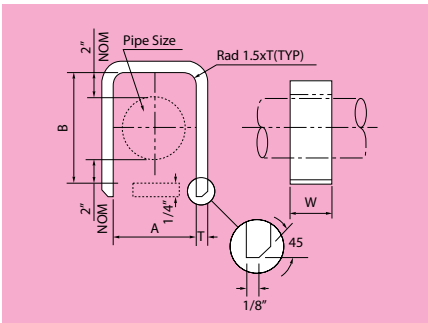
PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						AXIAL		TRANSVERSE	
						lbs	kip	lbs	kip
F316-20	3/4	1.19	5	1.97	0.32	1322	1.32	352	0.35
F316-25	1	1.46	5.24	1.97	0.32	1267	1.27	341	0.34
F316-32	1 1/4	1.82	5.6	1.97	0.32	1179	1.18	319	0.32
F316-40	1 1/2	2.05	5.83	1.97	0.32	1135	1.14	308	0.31
F316-50	2	2.52	6.3	2.96	0.48	3549	3.55	936	0.94
F316-80	3	3.67	7.45	2.96	0.48	2998	3	782	0.78
F316-100	4	4.65	8.43	3.94	0.48	4706	4.71	947	0.95
F316-150	6	6.78	10.56	5.52	0.79	12290	12.29	2854	2.85

For combined axial and transverse loading, use the following formula:-

$$\frac{P_{AX}}{SWL_{AX}} + \frac{P_{TR}}{SWL_{TR}} \leq 1$$

Order by: Fig. number and pipe size.

317 WELDED OVERSTRAP TYPE 3B -4°F TO 662°F



Material: Stainless Steel Grade 316

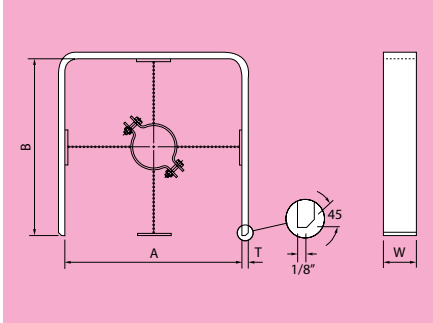
PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						AXIAL		TRANSVERSE	
						lbs	kip	lbs	kip
F317-20	3/4	1.19	5.24	1.97	0.32	705	0.71	187	0.19
F317-25	1	1.46	5.48	1.97	0.32	672	0.67	176	0.18
F317-32	1 1/4	1.82	5.83	1.97	0.32	628	0.63	165	0.17
F317-40	1 1/2	2.05	6.07	1.97	0.32	606	0.61	165	0.17
F317-50	2	2.52	6.54	2.96	0.48	1895	1.9	496	0.5
F317-80	3	3.67	7.68	2.96	0.48	1620	1.62	429	0.43
F317-100	4	4.65	8.67	3.94	0.48	2546	2.55	507	0.51
F317-150	6	6.78	10.79	5.52	0.79	6680	6.68	1554	1.55

For combined axial and transverse loading, use the following formula:-

$$\frac{P_{AX}}{SWL_{AX}} + \frac{P_{TR}}{SWL_{TR}} \leq 1$$

Order by: Fig. number and pipe size.

318 WELDED OVERSTRAP TYPE 4 -4°F TO 662°F



For combined vertical and transverse loading, use the following formula:-

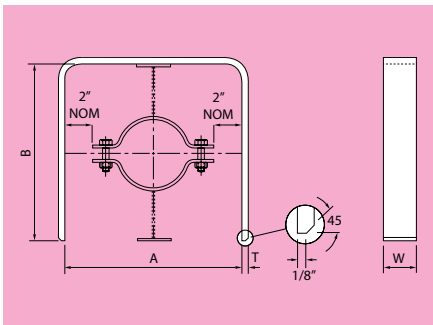
$$\frac{P_v}{SWL_v} + \frac{P_{TR}}{SWL_{TR}} \leq 1$$

Order by: Fig. number and pipe size.

Material: Carbon Steel

PART Nos.		PIPE SIZE	TWO SIZES AVAILABLE		W	T	LOAD CAPACITIES SIZE 1				LOAD CAPACITIES LOAD 2			
SIZE 1	SIZE 2		SIZE 1	SIZE 2			VERTICAL		TRANSVERSE		VERTICAL		TRANSVERSE	
			A&B	A&B			lbs	kip	lbs	kip	lbs	kip	lbs	kip
F318-1-20	F318-2-20	3/4	5.08	9.02	2.96	0.6	5324	5.32	1675	1.68	3240	3.24	970	0.97
F318-1-25	F318-2-25	1	5.32	9.26	2.96	0.6	5125	5.13	1598	1.6	3163	3.16	936	0.94
F318-1-32	F318-2-32	1 1/4	5.67	9.61	2.96	0.6	4850	4.85	1510	1.51	3053	3.05	903	0.9
F318-1-40	F318-2-40	1 1/2	5.91	9.85	2.96	0.6	4684	4.68	1455	1.46	2987	2.99	892	0.89
F318-1-50	F318-2-50	2	6.38	10.32	2.96	0.6	4387	4.39	1344	1.34	4387	4.39	1344	1.34
F318-1-65	F318-2-65	2 1/2	6.89	10.83	3.55	0.79	8388	8.39	2601	2.6	5687	5.69	1697	1.7
F318-1-80	F318-2-80	3	7.56	11.5	3.55	0.79	7760	7.76	2380	2.38	5390	5.39	1598	1.6

319 WELDED OVERSTRAP TYPE 5 -4°F TO 662°F

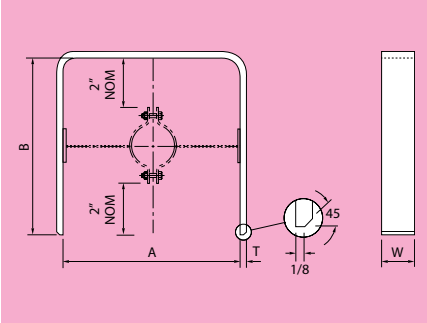


Order by: Fig. number and pipe size.

Material: Carbon Steel

PART Nos.		PIPE SIZE	A	TWO SIZES AVAILABLE		W	T	LOAD CAPACITIES			
SIZE 1	SIZE 2			SIZE 1	SIZE 2			VERTICAL SIZE 1		VERTICAL SIZE 2	
				B	B			lbs	kip	lbs	kip
F319-1-20	F319-2-20	3/4	9.02	5.08	9.02	2.95	0.59	2976	2.98	3240	3.24
F319-1-25	F319-2-25	1	9.25	5.32	9.26	2.95	0.59	2976	2.98	3163	3.16
F319-1-32	F319-2-32	1 1/4	9.61	5.67	9.61	2.95	0.59	2832	2.83	3053	3.05
F319-1-40	F319-2-40	1 1/2	9.84	5.91	9.85	2.95	0.59	2777	2.78	2987	2.99
F319-1-50	F319-2-50	2	10.31	6.38	10.32	2.95	0.59	2678	2.68	2866	2.87
F319-1-65	F319-2-65	2 1/2	10.83	6.89	10.83	3.54	0.79	5390	5.39	5687	5.69
F319-1-80	F319-2-80	3	11.5	7.56	11.5	3.54	0.79	5136	5.14	5390	5.39

320 WELDED OVERSTRAP TYPE 6 -4°F TO 662°F

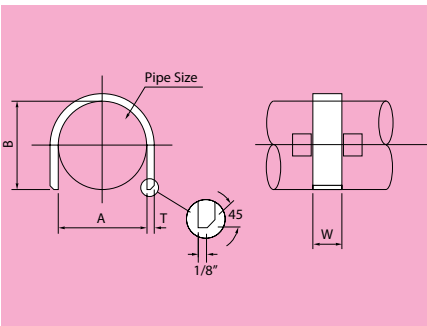


Order by: Fig. number and pipe size.

Material: Carbon Steel

PART Nos.		PIPE SIZE	TWO SIZES AVAILABLE		B	W	T	LOAD CAPACITY			
SIZE 1	SIZE 2		SIZE 1	SIZE 2				TRANSVERSE SIZE 1		TRANSVERSE SIZE 2	
			A	A				lbs	kip	lbs	kip
F320-1-20	F320-2-20	3/4	5.08	9.02	9.02	2.96	0.6	992	0.99	970	0.97
F320-1-25	F320-2-25	1	5.32	9.26	9.26	2.96	0.6	959	0.96	55	0.06
F320-1-32	F320-2-32	1 1/4	5.67	9.61	9.61	2.96	0.6	925	0.93	903	0.9
F320-1-40	F320-2-40	1 1/2	5.91	9.85	9.85	2.96	0.6	903	0.9	892	0.89
F320-1-50	F320-2-50	2	6.38	10.32	10.32	2.96	0.6	870	0.87	848	0.85
F320-1-65	F320-2-65	2 1/2	6.89	10.83	10.83	3.55	0.79	1719	1.72	1697	1.7
F320-1-80	F320-2-80	3	7.56	11.5	11.5	3.55	0.79	1620	1.62	1598	1.6

321 WELDED OVERSTRAP TYPE 1A -4°F TO 662°F



Material: Carbon Steel

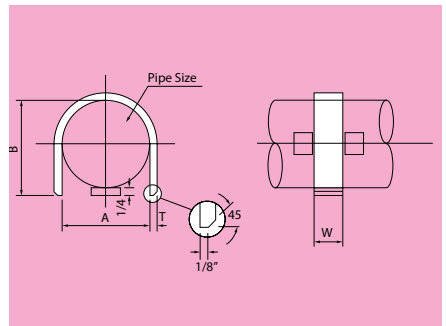
PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITY					
						VERTICAL		AXIAL		TRANSVERSE	
						lbs	kip	lbs	kip	lbs	kip
F321-20	3/4	1.19	1.19	1.97	0.32	3560	3.56	4684	4.68	1289	1.29
F321-25	1	1.46	1.46	1.97	0.32	3064	3.06	4541	4.54	1069	1.07
F321-32	1 1/4	1.82	1.82	1.97	0.32	2612	2.61	3648	3.65	881	0.88
F321-40	1 1/2	2.05	2.05	1.97	0.32	2369	2.37	3229	3.23	782	0.78
F321-50	2	2.52	2.52	2.96	0.48	6217	6.22	8862	8.86	2127	2.13
F321-80	3	3.67	3.67	2.96	0.48	4640	4.64	6095	6.1	1499	1.5
F321-100	4	4.65	4.65	3.94	0.79	12786	12.79	14241	14.24	4221	4.22
F321-150	6	6.78	6.78	5.52	0.99	19852	19.85	23942	23.94	6481	6.48

For combined vertical, axial and transverse loading, use the following formula:-

$$\frac{P_V}{SWL_V} + \frac{P_{AX}}{SWL_{AX}} + \frac{P_{TR}}{SWL_{TR}} \leq 1$$

Order by: Fig. number and pipe size.

322 WELDED OVERSTRAP TYPE 1B -4°F TO 662°F



Material: Stainless Steel Grade 316

PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITY					
						VERTICAL		AXIAL		TRANSVERSE	
						lbs	kip	lbs	kip	lbs	kip
F322-20	3/4	1.19	1.42	1.97	0.32	1763	1.763	2590	2.59	617	0.62
F322-25	1	1.46	1.7	1.97	0.32	1543	1.543	2171	2.171	529	0.53
F322-32	1 1/4	1.82	2.05	1.97	0.32	1333	1.333	1796	1.796	440	0.44
F322-40	1 1/2	2.05	2.29	1.97	0.32	1223	1.223	1609	1.609	396	0.4
F322-50	2	2.52	2.76	2.96	0.48	3251	3.251	4497	4.497	1091	1.09
F322-80	3	3.67	3.9	2.96	0.48	2458	2.458	3185	3.185	793	0.79
F322-100	4	4.65	4.89	3.94	0.79	253	0.253	7528	7.528	2248	2.25
F322-150	6	6.78	7.01	5.52	0.99	10758	10.758	12852	12.852	3494	3.49

For combined vertical, axial and transverse loading, use the following formula:-

$$\frac{P_V}{SWL_V} + \frac{P_{AX}}{SWL_{AX}} + \frac{P_{TR}}{SWL_{TR}} \leq 1$$

Order by: Fig. number and pipe size.