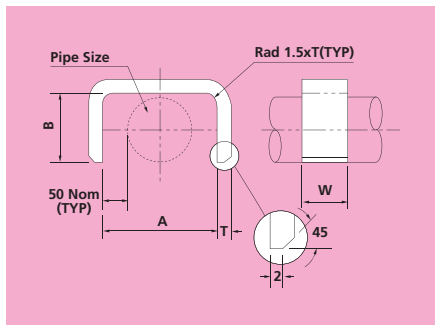


314 WELDED OVERSTRAP TYPE 2A -20°C TO 350°C



Material: Carbon Steel

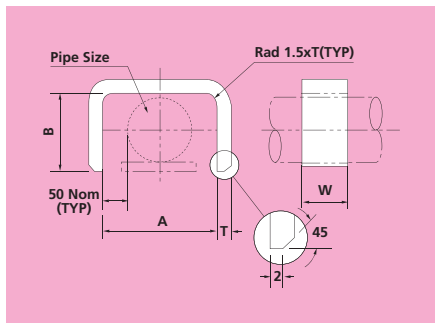
PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						VERTICAL		AXIAL	
						kgf	kN	kgf	kN
F314-20	20	127	30	50	8	405	4.0	895	8.8
F314-25	25	133	37	50	8	395	3.9	750	7.4
F314-32	32	142	46	50	8	380	3.7	620	6.1
F314-40	40	148	52	50	8	370	3.6	560	5.5
F314-50	50	160	64	75	12	1150	11.3	1525	15.0
F314-80	80	189	93	75	12	1020	10.0	1095	10.7
F314-100	100	214	118	100	12	1240	12.2	1345	13.2
F314-150	150	268	172	140	20	3900	38.2	3325	32.6

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 -20°C TO 350°C



Material: Stainless Steel Grade 316

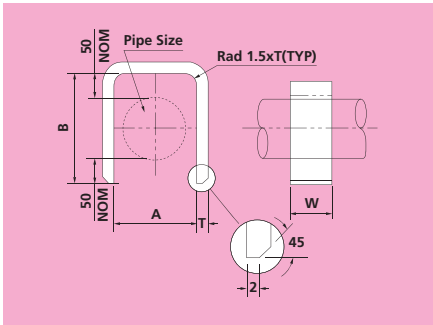
PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						VERTICAL		AXIAL	
						kgf	kN	kgf	kN
F315-20	20	127	36	50	8	230	2.3	430	4.2
F315-25	25	133	43	50	8	225	2.2	370	3.6
F315-32	32	142	52	50	8	215	2.1	310	3.0
F315-40	40	148	58	50	8	210	2.1	285	2.8
F315-50	50	160	70	75	12	650	6.4	785	7.7
F315-80	80	189	99	75	12	575	5.6	575	5.6
F315-100	100	214	124	100	12	695	6.8	715	7.0
F315-150	150	268	268	140	20	2185	21.4	1790	17.6

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 -20°C TO 350°C



Material: Carbon Steel

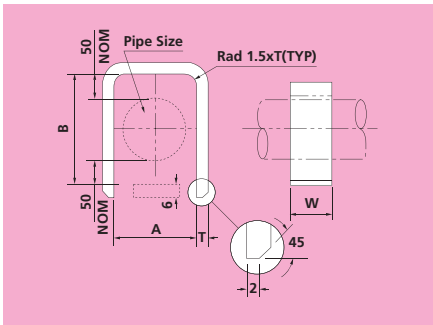
PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						AXIAL		TRANSVERSE	
						kgf	kN	kgf	kN
F316-20	20	30	127	50	8	600	5.9	160	1.6
F316-25	25	37	133	50	8	575	5.6	155	1.5
F316-32	32	46	142	50	8	535	5.2	145	1.4
F316-40	40	52	148	50	8	515	5.1	140	1.4
F316-50	50	64	160	75	12	1610	15.8	425	4.2
F316-80	80	93	189	75	12	1360	13.3	355	3.5
F316-100	100	118	214	100	12	2135	20.9	430	4.2
F316-150	150	172	268	140	20	5575	54.7	1295	12.7

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 -20°C TO 350°C



Material: Stainless Steel Grade 316

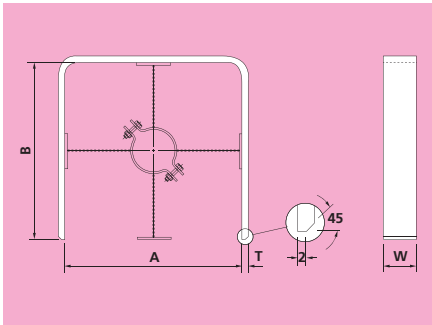
PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITIES			
						AXIAL		TRANSVERSE	
						kgf	kN	kgf	kN
F317-20	20	30	133	50	8	320	3.1	85	0.80
F317-25	25	37	139	50	8	305	3.0	80	0.80
F317-32	32	46	148	50	8	285	2.8	75	0.70
F317-40	40	52	154	50	8	275	2.7	75	0.70
F317-50	50	64	166	75	12	860	8.4	225	2.2
F317-80	80	93	195	75	12	735	7.2	195	1.9
F317-100	100	118	220	100	12	1155	11.3	230	2.3
F317-150	150	172	274	140	20	3030	29.7	705	6.9

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 -20°C TO 350°C



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

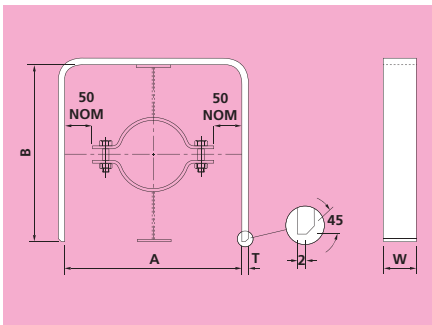
$$\frac{P_V}{SWL_V} + \frac{P_{TR}}{SWL_{TR}} \leq 1$$

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 SIZE 2			
SIZE 1	SIZE 2		SIZE 1	SIZE 2			VERTICAL		TRANSVERSE		VERTICAL		TRANSVERSE	
							kgf	kN	kgf	kN	kgf	kN	kgf	kN
F318-1-20	F318-2-20	20	129	229	75	15	2415	23.7	760	7.5	1470	14.4	440	4.3
F318-1-25	F318-2-25	25	135	235	75	15	2325	22.8	725	7.1	1435	14.1	425	4.2
F318-1-32	F318-2-32	32	144	244	75	15	2200	21.6	685	6.7	1385	13.6	410	4.0
F318-1-40	F318-2-40	40	150	250	75	15	2125	20.8	660	6.5	1355	13.3	405	4.0
F318-1-50	F318-2-50	50	162	262	75	15	1990	19.5	610	6	1990	19.5	610	6.0
F318-1-65	F318-2-65	65	175	275	90	20	3805	37.3	1180	11.6	2580	25.3	770	7.6
F318-1-80	F318-2-80	80	192	292	90	20	3520	34.5	1080	10.6	2445	24.0	725	7.1

319 WELDED OVERSTRAP TYPE 5 -20°C TO 350°C

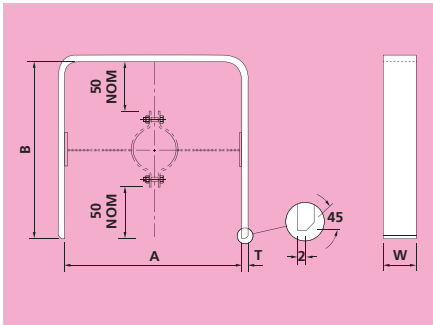


Order by: Fig. number and pipe size.

Material: Carbon Steel

PART Nos.		PIPE SIZE	A	TWO SIZES AVAILABLE		W	T	LOAD CAPACITY			
SIZE 1	SIZE 2			SIZE 1	SIZE 2			VERTICAL SIZE 1		VERTICAL SIZE 2	
								B	B	kgf	kN
F319-1-20	F319-2-20	20	229	129	229	75	15	1350	13.2	1470	14.4
F319-1-25	F319-2-25	25	235	135	235	75	15	1350	12.9	1435	14.1
F319-1-32	F319-2-32	32	244	144	244	75	15	1285	12.6	1385	13.6
F319-1-40	F319-2-40	40	250	150	250	75	15	1260	12.4	1355	13.3
F319-1-50	F319-2-50	50	262	162	262	75	15	1215	11.9	1300	12.7
F319-1-65	F319-2-65	65	275	175	275	90	20	2445	24.0	2580	25.3
F319-1-80	F319-2-80	80	292	192	292	90	20	2330	22.8	2445	24.0

320 WELDED OVERSTRAP TYPE 6 -20°C TO 350°C



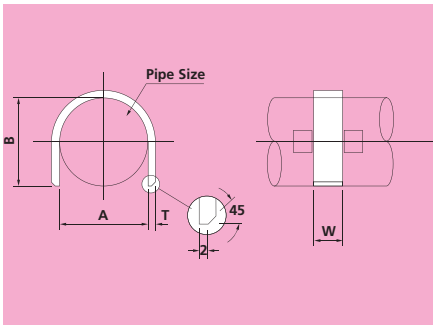
Order by: Fig. number and pipe size.

Material: Carbon Steel

PART No.		PIPE SIZE	TWO SIZES AVAILABLE		B	W	T	LOAD CAPACITY			
SIZE 1	SIZE 2		A	SIZE 2				TRANSVERSE SIZE 1		TRANSVERSE SIZE 2	
								kgf	kN	kgf	kN
F320-1-20	F320-2-20	20	129	229	229	75	15	450	4.4	440	4.3
F320-1-25	F320-2-25	25	135	235	235	75	15	435	4.3	25	4.2
F320-1-32	F320-2-32	32	144	244	244	75	15	420	4.1	410	4.0
F320-1-40	F320-2-40	40	150	250	250	75	15	410	4.0	405	4.0
F320-1-50	F320-2-50	50	162	262	262	75	15	395	3.9	385	3.8
F320-1-65	F320-2-65	65	175	275	275	90	20	780	7.6	770	7.6
F320-1-80	F320-2-80	80	192	292	292	90	20	735	7.2	725	7.1

321 WELDED OVERSTRAP TYPE 1A -20°C TO 350°C

-20°C TO 350°C



Material: Carbon Steel

PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITY					
						VERTICAL		AXIAL		TRANSVERSE	
						kgf	kN	kgf	kN	kgf	kN
F321-20	20	30	30	50	8	1615	15.8	2125	20.8	585	5.7
F321-25	25	37	37	50	8	1390	13.6	2060	20.2	485	4.8
F321-32	32	46	46	50	8	1185	11.6	1655	16.2	400	3.9
F321-40	40	52	52	50	8	1075	10.5	1465	14.4	355	3.5
F321-50	50	64	64	75	12	2820	27.7	4020	39.4	965	9.5
F321-80	80	93	93	75	12	2105	20.6	2765	27.1	680	6.7
F321-100	100	118	118	100	20	5800	56.9	6460	63.4	1915	18.8
F321-150	150	172	172	140	25	9005	88.3	10860	106.5	2940	28.8

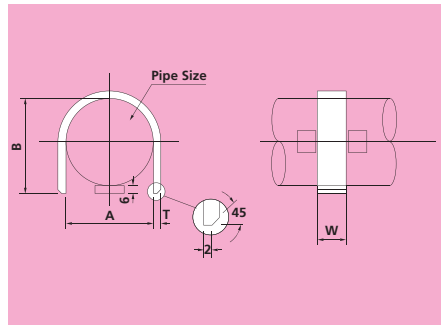
For combined vertical, axial and transverse loading, use the following formula:-

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

Order by: Fig. number and pipe size.

322 WELDED OVERSTRAP TYPE 1B -20°C TO 350°C

-20°C TO 350°C



Material: Stainless Steel Grade 316

PART No.	PIPE SIZE	A	B	W	T	LOAD CAPACITY					
						VERTICAL		AXIAL		TRANSVERSE	
						kgf	kN	kgf	kN	kgf	kN
F322-20	20	30	36	50	8	800	7.8	1175	11.5	280	2.7
F322-25	25	37	43	50	8	700	6.9	985	9.7	240	2.4
F322-32	32	46	52	50	8	605	5.9	815	8.0	200	2.0
F322-40	40	52	58	50	8	555	5.4	730	7.2	180	1.8
F322-50	50	64	70	75	12	1475	14.5	2040	20.0	495	4.9
F322-80	80	93	99	75	12	1115	10.9	1445	14.2	360	3.5
F322-100	100	118	124	100	20	3055	30.5	3415	33.5	1020	10.0
F322-150	150	172	178	140	25	4880	47.9	5830	57.2	1585	15.5

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.