

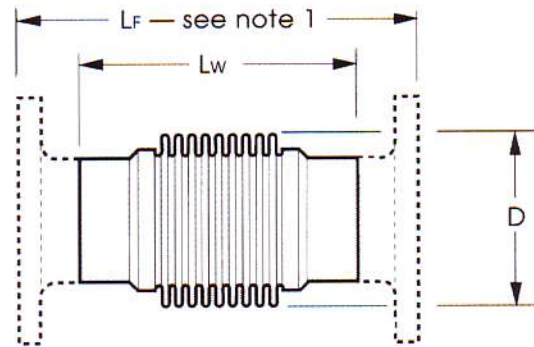


Specification:

Bellows : Austenitic Stainless Steel
 Weld End : Carbon Steel Or Stainless Steel
 Flanges : Carbon Steel BS, ANSI, DIN

Notes

- For units with flanges add 10 mm to length L_w up to 250 mm N.B. and 25mm above 250 mm N.B.
- Unit weighs are estimated and refer to weld end unit.



N.B. mm	Press. Bar g	Movement		Free length Weld End L_w mm	Pipe O.D. mm	Thick mm	Max O.D. D mm	Axial rate N/mm	Eff.area cm ²	Approx. Wt Kg	
		Total mm	\pm mm								
32	6	25	12.5	240	42.2	To be Specified by Purchaser	58	52	20	0.8	
	6	50	25	295	42.2		58	26	20	0.9	
	10	25	12.5	240	42.2		58	52	20	0.8	
	10	50	25	295	42.2		58	26	20	0.9	
	16	25	12.5	240	42.2		58	52	20	0.85	
	16	50	25	295	42.2		58	26	20	0.95	
	25	25	12.5	240	42.2		70	125	25	0.85	
	25	45	22.5	295	42.2		70	63	25	0.95	
	40	13	6.5	240	42.2		70	232	25	1	
	40	25	12.5	295	42.2		70	116	25	1.1	
	40	6	25	12.5	240		48.3	70	52	30	1.2
		6	50	25	295		48.3	70	26	30	1.4
		10	25	12.5	240		48.3	70	52	30	1.2
		10	50	25	295		48.3	70	26	30	1.4
16		25	12.5	240	48.3	70	52	30	1.5		
16		50	25	295	48.3	70	26	30	2.1		
25		25	12.5	240	48.3	70	125	43	1.7		
25		45	22.5	295	48.3	70	63	43	2.1		
40		13	6.5	240	48.3	70	232	43	1.8		
40		25	12.5	295	48.3	70	116	43	4.6		
50		6	25	12.5	240	60.3	82	62	43	1.4	
		6	50	25	295	60.3	82	31	43	1.6	
		10	25	12.5	240	60.3	82	62	43	1.4	
		10	50	25	295	60.3	82	31	43	1.6	
	16	25	12.5	240	60.3	82	62	43	1.7		
	16	50	25	295	60.3	82	31	43	2.3		
	25	25	12.5	255	60.3	82	125	43	1.9		
	25	45	22.5	325	60.3	82	63	43	2.4		
	40	13	6.5	220	60.3	82	232	43	1.9		
	40	25	12.5	350	60.3	82	116	43	5.2		



AXIAL SINGLE 6-40 BAR

N.B. mm	Press. Bar g	Movement		Free length Weld End Lw mm	Pipe O.D. mm	Thick mm	Max O.D. D mm	Axial rate N/mm	Eff.area cm ²	Approx. Wt Kg	
		Total mm	± mm								
65	6	35	17.5	240	76.1	To be Specified by Purchaser	102	44	67	1.8	
	6	70	35	295	76.1		102	22	67	2.9	
	10	35	17.5	240	76.1		102	44	67	1.8	
	10	70	35	295	76.1		102	22	67	2.9	
	16	35	17.5	240	76.1		102	66	67	2.1	
	16	70	35	295	76.1		102	33	67	3.2	
	25	25	12.5	235	76.1		102	149	67	2	
	25	45	22.5	325	76.1		102	75	67	2.5	
	40	13	6.5	220	76.1		102	248	67	2.7	
	40	25	12.5	350	76.1		102	124	67	7.9	
	80	6	50	25	300		88.9	124	58	95	2.9
		6	100	50	380		88.9	124	29	95	3.9
		10	50	25	300		88.9	124	58	95	2.9
		10	100	50	380		88.9	124	29	95	3.9
16		50	25	300	88.9	124	86	95	4.4		
16		100	50	380	88.9	124	43	95	5.7		
25		34	17	350	88.9	124	168	95	4.4		
25		68	34	470	88.9	124	84	95	5.8		
40		25	12.5	345	88.9	124	262	95	4		
40		50	25	460	88.9	124	131	95	11.6		
100	6	62.5	31	300	114.3	150	56	145	4.1		
	6	125	62.5	380	114.3	150	28	145	5.8		
	10	62.5	31	300	114.3	150	56	145	4.1		
	10	125	62.5	380	114.3	150	28	145	5.8		
	16	62.5	31	300	114.3	150	84	145	5.8		
	16	125	62.5	380	114.3	150	42	145	7.4		
	25	40	20	365	114.3	150	176	145	6.2		
	25	80	40	490	114.3	150	88	145	8		
	40	25	12.5	345	114.3	150	324	145	6.5		
	40	50	25	460	114.3	150	162	145	15.4		
125	6	62.5	31	325	139.7	176	66	205	6.6		
	6	125	62.5	410	139.7	176	33	205	9.6		
	10	62.5	31	325	139.7	176	66	205	6.6		
	10	125	62.5	410	139.7	176	33	205	9.6		
	16	62.5	31	325	141.3	176	100	205	9.8		
	16	125	62.5	410	141.3	176	50	205	13.7		
	25	45	22.5	385	139.7	176	192	205	9.2		
	25	90	45	535	139.7	176	96	205	13.9		
	40	25	12.5	345	139.7	176	388	205	8.9		
	40	50	25	460	139.7	176	194	205	25.2		

AXIAL SINGLE 6-40 BAR



N.B. mm	Press. Bar g	Movement		Free length Weld End Lw mm	Pipe O.D. mm	Thick mm	Max O.D. D mm	Axial rate N/mm	Eff.area cm ²	Approx. Wt Kg	
		Total mm	± mm								
150	6	62.5	31	325	168.3	To be Specified by Purchaser	213	102	300	7.7	
	6	125	62.5	410	168.3		213	51	300	11.7	
	10	62.5	31	325	168.3		213	102	300	7.7	
	10	125	62.5	410	168.3		213	51	300	11.7	
	16	62.5	31	325	168.3		213	152	300	12.5	
	16	125	62.5	410	168.3		213	76	300	15.9	
	25	45	22.5	390	168.3		213	232	300	13.4	
	25	90	45	540	168.3		213	116	300	17.5	
	40	30	15	370	168.3		213	274	300	11.7	
	40	60	30	500	168.3		213	137	300	32.4	
	200	6	62.5	31	325		219.1	264	128	476	12.6
		6	125	62.5	410		219.1	264	64	476	18.2
		10	62.5	31	325		219.1	264	128	476	12.6
		10	125	62.5	410		219.1	264	64	476	18.2
		16	62.5	31	325		219.1	264	192	476	20.6
		16	125	62.5	410		219.1	264	96	476	25.4
25		45	22.5	390	219.1	264	292	476	21.6		
25		90	45	540	219.1	264	146	476	29.7		
40		30	15	370	219.1	264	346	476	19.6		
40		60	30	500	219.1	264	173	476	58.2		
250	6	62.5	31	345	273	318	156	707	17.2		
	6	125	62.5	445	273	318	78	707	23		
	10	62.5	31	345	273	318	156	707	17.2		
	10	125	62.5	445	273	318	78	707	23		
	16	62.5	31	345	273	318	236	707	24.3		
	16	125	62.5	445	273	318	118	707	32.1		
	25	45	22.5	390	273	318	356	707	26.8		
	25	90	45	540	273	318	178	707	37		
	40	30	15	370	273	318	422	707	25		
	40	60	30	500	273	318	211	707	71		
300	6	62.5	31	368	323.3	374	284	941	24		
	6	125	62.5	490	323.3	374	142	941	30		
	6	250	125	1021	323.3	374	71	941	92		
	10	62.5	31	368	323.9	374	284	941	24		
	10	125	62.5	490	323.9	374	142	941	30		
	10	250	125	1021	323.9	374	71	941	92		
	16	62.5	31	378	323.9	374	414	941	35		
	16	125	62.5	510	323.9	374	212	941	43		
	16	250	125	1061	323.9	374	106	941	117		
	25	50	25	393	323.9	374	903	941	39		
	25	90	45	513	323.9	374	486	941	56		
	40	40	20	465	323.9	374	1404	941	38		
	40	80	40	596	323.9	374	702	941	112		



AXIAL SINGLE 6-40 BAR

N.B. mm	Press. Bar g	Movement		Free length Weld End Lw mm	Pipe O.D. mm	Thick mm	Max O.D. D mm	Axial rate N/mm	Eff.area cm ²	Approx. Wt Kg
		Total mm	± mm							
350	6	62.5	31	370	355.6	To be Specified by Purchaser	410	312	1123	26
	6	125	62.5	490	355.6		410	156	1123	35
	6	250	125	1020	355.6		410	78	1123	94
	10	62.5	31	370	355.6		410	312	1123	26
	10	125	62.5	490	355.6		410	156	1123	35
	10	250	125	1020	355.6		410	78	1123	94
	16	62.5	31	380	355.6		410	468	1123	40
	16	125	62.5	510	355.6		410	234	1123	45
	16	250	125	1060	355.6		410	17	1123	126
	25	50	25	393	355.6		410	988	1123	53
	25	90	45	513	355.6		410	532	1123	66
	40	40	20	465	355.6		410	1536	1123	46
40	80	40	596	355.6	410	768	1123	142		
400	6	62.5	31	370	406.4	461	352	1445	29	
	6	125	62.5	490	406.4	461	176	1445	41	
	6	250	125	1020	406.4	461	88	1445	108	
	10	62.5	31	370	406.4	461	352	1445	29	
	10	125	62.5	490	406.4	461	176	1445	41	
	10	250	125	1020	406.4	461	88	1445	108	
	16	62.5	31	380	406.4	461	528	1445	45	
	16	125	62.5	510	406.4	461	264	1445	52	
	16	250	125	1060	406.4	461	132	1445	144	
	25	50	25	395	406.4	461	1120	1445	52	
	25	90	45	515	406.4	461	603	1445	75	
	40	40	20	465	406.4	461	1774	1445	57	
40	80	40	596	406.4	461	872	1445	171		
500	6	62.5	31	370	508	559	436	2213	47	
	6	125	62.5	490	508	559	218	2213	64	
	6	250	125	1020	508	559	109	2213	165	
	10	62.5	31	370	508	559	436	2213	47	
	10	125	62.5	490	508	559	218	2213	64	
	10	250	125	1020	508	559	109	2213	165	
	16	62.5	31	380	508	559	656	2213	65	
	16	125	62.5	510	508	559	328	2213	83	
	16	250	125	1060	508	559	162	2213	202	
	25	50	25	395	508	559	1387	2213	71	
	25	90	45	515	508	559	747	2213	92	
	40	40	20	465	508	559	2160	2213	112	
40	80	40	596	508	559	1080	2213	309		



N.B. mm	Press. Bar g	Movement		Free length Weld End Lw mm	Pipe O.D. mm	Thick mm	Max O.D. D mm	Axial rate N/mm	Eff.area cm ²	Approx. Wt Kg
		Total mm	± mm							
600	6	62.5	31	370	609.6	To be Specified by Purchaser	660	520	3134	72
	6	125	62.5	490	609.6		660	260	3134	76
	6	250	125	1020	609.6		660	130	3134	204
	10	62.5	31	370	609.6		660	520	3134	72
	10	125	62.5	490	609.6		660	260	3134	76
	10	250	125	1020	609.6		660	130	3134	204
	16	62.5	31	380	609.6		660	780	3134	80
	16	125	62.5	510	609.6		660	390	3134	103
	16	250	125	1060	609.6		660	195	3134	243
	25	50	25	395	609.6		660	1651	3134	88
	25	90	45	515	609.6		660	889	3134	112
	40	40	20	465	609.6		660	2570	3134	147
40	80	40	596	609.6	660	1285	3134	406		
700	6	70	35	420	711.2	785	716	4405	83	
	6	125	62.5	530	711.2	785	391	4405	102	
	10	70	35	420	711.2	785	716	4405	83	
	10	125	62.5	530	711.2	785	391	4405	102	
	16	70	35	430	711.2	785	1076	4405	94	
	16	125	62.5	555	711.2	785	587	4405	125	
	25	50	25	445	711.2	785	1959	4405	108	
	25	90	45	565	711.2	785	1055	4405	138	
800	6	70	35	420	812.8	887	814	5685	90	
	6	125	65.5	530	812.8	887	444	5685	115	
	10	70	35	420	812.8	887	814	5685	90	
	10	125	62.5	530	812.8	887	444	5685	115	
	16	70	35	430	812.8	887	1223	5685	100	
	16	125	62.5	555	812.8	887	667	5685	135	
	25	50	25	445	812.8	887	2225	5685	122	
	25	90	45	565	812.8	887	1198	5685	161	
900	6	70	35	420	914.4	989	911	7128	103	
	6	125	62.5	530	914.4	989	497	7128	127	
	10	70	35	420	914.4	989	911	7128	103	
	10	125	62.5	530	914.4	989	497	7128	127	
	16	70	35	430	914.4	989	1370	7128	114	
	16	125	62.5	553	914.4	989	747	7128	151	
	25	50	25	445	914.4	989	2494	7128	137	
	25	90	45	565	914.4	989	1343	7128	178	

AXIAL SINGLE 6-40 BAR



N.B. mm	Press. Bar g	Movement		Free length Weld End Lw mm	Pipe O.D. mm	Thick mm	Max O.D. D mm	Axial rate N/mm	Eff.area cm ²	Approx. Wt Kg
		Total mm	± mm							
1000	6	70	35	420	1016	To be Specified by Purchaser	1090	1008	8719	112
	6	125	62.5	530	1016		1090	550	8719	144
	10	70	35	420	1016		1090	1008	8719	112
	10	125	62.5	530	1016		1090	550	8719	144
	16	70	35	420	1016		1090	1514	8719	125
	16	125	62.5	530	1016		1090	826	8719	168
1100	6	70	35	420	1117		1191	1105	10470	126
	6	125	62.5	530	1117		1191	603	10470	160
	10	70	35	420	1117		1191	1105	10470	126
	10	125	62.5	530	1117		1191	603	10470	160
	16	70	35	430	1117		1191	1659	10470	139
	16	125	62.5	555	1117		1191	905	10470	185
1200	6	70	35	420	1220	1294	1204	12420	132	
	6	125	62.5	530	1220	1294	657	12420	174	
	10	70	35	420	1220	1294	1204	12420	139	
	10	125	62.5	530	1220	1294	657	12420	174	
	16	70	35	430	1220	1294	1808	12420	150	
	16	125	62.5	555	1220	1294	986	12420	203	