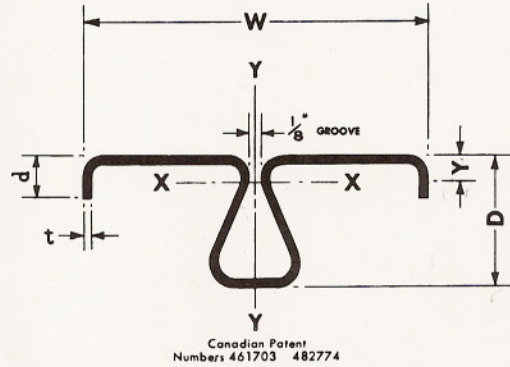


"8.2.3 Bend Test for Residual Ductility. A flat specimen at least 3 inches long, cut from a cold formed member, shall stand being bent at room temperature through 180 degrees to an inside diameter of $1\frac{1}{2}$ times

the thickness of the material or $\frac{3}{4}$ of the sharpest bend diameter in the cold formed member, whichever is the smaller, without cracking on the outside of the bent specimen."

6. PROPERTIES FOR DESIGNING



ANTHES $1\frac{1}{4}$ " V-SECTION

Top Chord Size	1	2	3	4	5	6	7	8
Area In. ²	0.378	0.478	0.618	0.719	0.836	1.032	1.231	1.492
Wt. Lb./Ft.	1.3	1.7	2.1	2.5	2.9	3.5	4.2	5.1
Gauge t	0.064	0.079	0.091	0.106	0.116	0.132	0.142	0.153
W In.	2½	2¾	3⅝	3¾	3⅝	4¼	5	5¾
d In.	⅞	⅞	½	½	⅝	⅝	11/16	13/16
D In.	1.19	1.20	1.22	1.23	1.24	1.26	1.27	1.28
Y In.	0.44	0.43	0.41	0.42	0.42	0.40	0.38	0.37
Axis X-X	I	0.07	0.09	0.11	0.13	0.14	0.17	0.23
	S	0.09	0.11	0.13	0.16	0.18	0.20	0.26
	r	0.43	0.42	0.42	0.42	0.41	0.40	0.40
Axis Y-Y	I	0.12	0.23	0.47	0.56	0.78	1.32	2.17
	S	0.11	0.17	0.28	0.33	0.43	0.62	0.85
	r	0.57	0.70	0.87	0.88	0.97	1.14	1.33

ANTHES 3" V-SECTION

Top Chord Size	9	10	11	12	13	14	15	16	17	18	19
Area In. ²	1.58	1.84	2.06	2.32	2.59	2.85	3.18	3.54	3.99	4.51	4.77
Wt. Lb./Ft.	5.3	6.4	7.1	8.0	9.0	9.9	11.0	12.3	13.8	15.7	16.6
Gauge t	0.110	0.128	0.142	0.156	0.163	0.177	0.191	0.207	0.223	0.230	0.230
W In.	5⅝	5⅝	6⅝	6¾	7⅝	7⅝	7⅝	8⅝	9	10⅝	11⅝
d In.	1	1⅝	1⅝	1⅝	1	1⅝	1⅝	1⅝	1⅝	1⅝	1⅝
D In.	2.86	2.88	2.89	2.91	2.92	2.93	2.94	2.96	2.97	2.98	2.98
Y In.	1.12	1.03	1.00	0.98	0.97	0.96	0.94	0.92	0.91	0.86	0.88
Axis X-X	I	1.70	1.89	2.16	2.43	2.65	2.86	3.15	3.49	3.85	4.20
	S	0.98	1.02	1.14	1.26	1.36	1.45	1.58	1.72	1.87	1.98
	r	1.04	1.01	1.02	1.02	1.01	1.00	1.00	0.99	0.98	0.96
Axis Y-Y	I	3.39	4.04	4.97	6.41	8.41	10.74	13.68	17.49	23.15	37.16
	S	1.20	1.41	1.59	1.90	2.36	2.87	3.42	4.08	5.06	6.93
	r	1.47	1.48	1.55	1.66	1.80	1.94	2.08	2.22	2.41	2.87

ANTHES O.S. TUBES

Outside Diameter		1¼"	1¾"	2½"
Area In. ²		0.237	0.336	0.427
Gauge t		0.064	0.09	0.116
Inside Dia.		1.123	1.07	1.018
Wt. Lb./Ft.		0.82	1.14	1.45
Axis X-X or Y-Y	I	0.042	0.056	0.067
	S	0.067	0.089	0.107
	r	0.420	0.411	0.403

