



Sizes: 3/8" to 2"
Rectangular Wire Construction

ISO
Color: Yellow

Hole Dia. in.	Rod Dia. in.	Free Length in.	CATALOG NUMBER	RATE Pounds Required to Deflect 1/10 in.	LOAD - DEFLECTION TABLE							
					Total Deflection Recommended for Long Life (17 % of C)		Total Deflection Recommended for Average Life (20 % of C)		Maximum Operating Deflection (25 % of C)		Total Travel to Solid	
					Load lbs.	Deflection inches	Load lbs.	Deflection inches	Load lbs.	Deflection inches	Load lbs.	Deflection inches
A	B	C										
1	1/2	1 1/4	9 - 1605 - X	199.13	433.36	0.22	509.85	0.26	637.30	0.31	796.54	0.39
		1 1/2	9 - 1606 - X	157.49	406.95	0.26	478.78	0.30	598.45	0.37	755.85	0.47
		1 3/4	9 - 1607 - X	130.28	389.86	0.30	458.66	0.35	573.31	0.43	729.77	0.59
		2	9 - 1608 - X	111.17	385.45	0.34	453.48	0.39	566.84	0.51	711.33	0.63
		2 1/2	9 - 1610 - X	86.44	376.26	0.43	442.65	0.51	553.30	0.63	726.17	0.83
		3	9 - 1612 - X	70.26	363.15	0.51	427.25	0.59	534.06	0.75	702.79	0.98
		3 1/2	9 - 1614 - X	59.30	358.84	0.59	422.14	0.71	527.70	0.87	687.72	1.14
		4	9 - 1616 - X	51.26	355.58	0.67	418.32	0.79	522.91	1.02	697.17	1.34
		4 1/2	9 - 1618 - X	45.58	356.34	0.79	419.22	0.91	524.03	1.14	710.88	1.54
		5	9 - 1620 - X	40.52	349.93	0.87	411.69	0.98	514.61	1.26	696.94	1.69
		5 1/2	9 - 1622 - X	36.81	350.70	0.94	412.57	1.10	515.71	1.38	707.28	1.89
		6	9 - 1624 - X	33.78	349.03	1.02	410.61	1.18	513.26	1.50	715.83	2.09
7	9 - 1628 - X	28.83	348.90	1.18	410.45	1.42	513.08	1.73	714.93	2.44		
8	9 - 1632 - X	25.12	346.76	1.34	407.96	1.57	509.96	2.01	703.46	2.76		
12	9 - 1648 - X	16.64	344.51	2.05	405.33	2.40	506.65	2.99	717.63	4.25		
1 1/4	5/8	1 1/2	9 - 2006 - X	274.79	710.05	0.26	835.34	0.30	1044.18	0.37	1209.08	0.43
		1 3/4	9 - 2007 - X	227.57	680.87	0.30	801.01	0.35	1001.26	0.43	1183.23	0.51
		2	9 - 2008 - X	194.19	673.47	0.34	792.31	0.39	990.40	0.51	1165.24	0.59
		2 1/2	9 - 2010 - X	150.12	653.26	0.43	768.55	0.51	960.68	0.63	1200.76	0.79
		3	9 - 2012 - X	121.40	627.38	0.51	738.08	0.59	922.62	0.75	1165.47	0.94
		3 1/2	9 - 2014 - X	102.52	620.53	0.59	730.04	0.71	912.54	0.87	1189.30	1.14
		4	9 - 2016 - X	87.79	608.75	0.67	716.19	0.79	895.23	1.02	1158.50	1.30
		4 1/2	9 - 2018 - X	76.66	599.39	0.79	705.17	0.91	881.47	1.14	1103.87	1.42
		5	9 - 2020 - X	68.68	592.90	0.87	697.53	0.98	871.92	1.26	1125.90	1.61
		5 1/2	9 - 2022 - X	62.78	597.73	0.94	703.21	1.10	879.02	1.38	1180.31	1.85
		6	9 - 2024 - X	56.99	589.25	1.02	693.23	1.18	866.52	1.50	1140.29	1.97
		7	9 - 2028 - X	48.22	583.63	1.18	686.62	1.42	858.30	1.73	1138.04	2.32
8	9 - 2032 - X	42.15	581.74	1.34	684.40	1.57	855.49	2.01	1146.36	2.68		
10	9 - 2040 - X	33.61	580.19	1.69	682.58	2.01	853.21	2.52	1142.09	3.35		
12	9 - 2048 - X	27.88	577.72	2.05	679.68	2.40	849.60	2.99	1147.71	4.06		
1 1/2	3/4	2	9 - 2408 - X	314.58	1090.92	0.35	1283.43	0.39	1604.29	0.51	1887.37	0.59
		2 1/2	9 - 2410 - X	236.90	1030.94	0.43	1212.86	0.51	1516.07	0.63	1800.36	0.75
		3	9 - 2412 - X	190.14	982.76	0.51	1156.18	0.59	1445.23	0.75	1825.54	0.94
		3 1/2	9 - 2414 - X	158.67	960.21	0.59	1129.65	0.71	1412.05	0.87	1776.98	1.10
		4	9 - 2416 - X	137.37	952.95	0.67	1121.11	0.79	1401.37	1.02	1813.62	1.30
		4 1/2	9 - 2418 - X	120.11	939.34	0.79	1105.13	0.91	1381.41	1.14	1777.88	1.46
		5	9 - 2420 - X	106.79	922.28	0.87	1085.05	0.98	1356.29	1.26	1751.35	1.61
		5 1/2	9 - 2422 - X	96.11	915.06	0.94	1076.53	1.10	1345.66	1.38	1768.66	1.81
		6	9 - 2424 - X	87.40	903.62	1.02	1063.08	1.18	1328.84	1.50	1748.43	1.97
		7	9 - 2428 - X	73.91	894.27	1.18	1052.07	1.42	1315.09	1.73	1714.03	2.28
		8	9 - 2432 - X	64.02	883.86	1.34	1039.84	1.57	1299.78	2.01	1716.05	2.64
		10	9 - 2440 - X	50.92	879.09	1.69	1034.22	2.01	1292.76	2.52	1730.44	3.35
12	9 - 2448 - X	42.27	876.12	2.05	1030.76	2.40	1288.44	2.99	1723.47	4.02		
2	1	2 1/2	9 - 3210 - X	406.87	1770.57	0.43	2083.03	0.51	2603.80	0.63	3091.95	0.75
		3	9 - 3212 - X	321.94	1663.83	0.51	1957.44	0.59	2446.81	0.75	2962.01	0.91
		3 1/2	9 - 3214 - X	266.47	1612.66	0.59	1897.23	0.71	2371.54	0.87	2877.92	1.06
		4	9 - 3216 - X	227.29	1576.62	0.67	1854.86	0.79	2318.57	1.02	2818.57	1.22
		4 1/2	9 - 3218 - X	198.12	1549.42	0.79	1822.84	0.91	2278.55	1.14	2773.83	1.38
		5	9 - 3220 - X	175.64	1516.61	0.87	1784.26	0.98	2230.31	1.26	2739.66	1.54
		5 1/2	9 - 3222 - X	157.99	1504.27	0.94	1769.74	1.10	2212.16	1.38	2781.03	1.73
		6	9 - 3224 - X	134.33	1388.40	1.02	1633.41	1.18	2041.77	1.50	2525.40	1.85
		7	9 - 3228 - X	120.73	1461.58	1.18	1719.49	1.42	2149.37	1.73	2704.81	2.20
		8	9 - 3232 - X	104.43	1441.55	1.34	1695.93	1.57	2119.92	2.01	2673.34	2.52
		10	9 - 3240 - X	82.17	1418.88	1.69	1669.27	2.01	2086.60	2.52	2628.82	3.15
		12	9 - 3248 - X	67.84	1407.06	2.05	1655.35	2.40	2069.20	2.99	2632.19	3.82