

## MINI STRUT

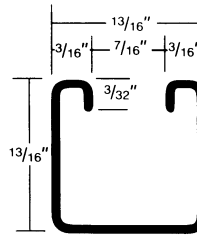
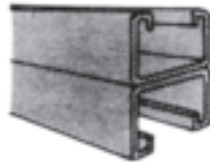
### M-179A

1 5/8" x 1 3/16" x 1 5/8" x 19GA  
BACK TO BACK



### M-189A

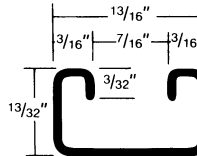
1 3/16" x 1 3/16" x 1 3/8" x 19GA  
BACK TO BACK



### M-179

1 3/16" x 1 3/16" x 1 3/16"  
19 Gauge Channel  
wt./100 ft. - 40#

Stocked in Pre Galvanized & Plain in 10 ft. lengths.



### M-189

1 3/32" x 1 3/16" x 1 3/32"  
19 Gauge Channel  
wt./100 ft. - 28#

Stocked in Pre Galvanized & Plain in 10 ft. lengths.

### PROPERTIES OF SECTION

Figure Number	Wt./Ft. Lbs.	Area of Section Sq. in.	X-X Axis			Y-Y Axis		
			Ix in. <sup>4</sup>	Sx in <sup>3</sup>	Rx in.	Iy in. <sup>4</sup>	Sy in <sup>3</sup>	Ry in.
M-179	.40	0.1076	0.009	0.020	0.292	0.012	0.029	0.332
M-179A	.80	0.2152	0.045	0.055	0.455	0.024	0.058	0.332
M-189	.28	0.0743	0.002	0.007	0.147	0.007	0.017	0.305
M-189A	.56	0.1486	0.007	0.018	0.219	0.014	0.034	0.305

### ALLOWABLE COLUMN LOADS (LBS.)

Figure Number	UNSUPPORTED HEIGHT OF COLUMN IN INCHES												
	12"	18"	24"	30"	36"	42"	48"	60"	72"	84"	96"	108"	120"
M-179	1246	1010	777	600	493	419	364	-	-	-	-	-	-
M-179A	2942	2827	2667	2460	2208	1909	1565	1002	-	-	-	-	-
M-189	1235	748	421	-	-	-	-	-	-	-	-	-	-
M-189A	2903	2460	1841	1198	832	611	-	-	-	-	-	-	-

### ALLOWABLE BEAM LOADS (LBS.)

Figure Number	Notes	SPAN IN INCHES												
		12"	18"	24"	30"	36"	42"	48"	60"	72"	84"	96"	108"	120"
M-179	1	330	220	165	132	110	94	83	66	55	47	41	37	33
	2	-	-	150	96	67	49	38	24	17	12	9	7	6
	3	0.027	0.062	0.110	0.171	0.247	0.336	0.439	0.685	0.987	1.344	1.755	2.221	2.742
M-179A	1	-	-	-	-	291	261	228	183	152	131	114	102	91
	2	-	-	-	-	-	238	183	117	81	60	46	36	29
	3	0.016	0.035	0.063	0.098	0.141	0.192	0.250	0.391	0.563	0.767	1.001	1.267	1.565
M-189	1	109	73	54	44	36	31	27	22	18	16	14	12	11
	2	105	47	26	17	12	9	7	4	3	2	2	1	1
	3	0.052	0.117	0.208	0.325	0.469	0.638	0.833	1.302	1.875	2.551	3.332	4.218	5.207
M-189A	1	-	-	144	116	97	83	73	58	49	42	36	32	29
	2	-	-	116	74	52	38	29	19	13	9	7	6	5
	3	0.031	0.070	0.125	0.196	0.282	0.383	0.501	0.782	1.126	1.533	2.003	2.535	3.129

#### NOTES:

- I. All Figures show the Load in Lbs.
- II. Line 1 shows the Allowable Uniform Beam Load based on calculations using 25000 psi Stress.
- III. Line 2 shows the Allowable Uniform Load at Maximum Deflection = 1/240 of Span.
- IV. Line 3 shows Beam Deflection in inches.