

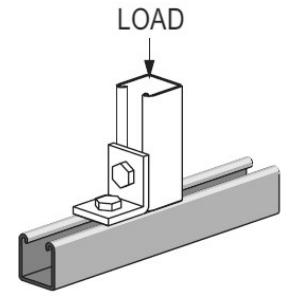
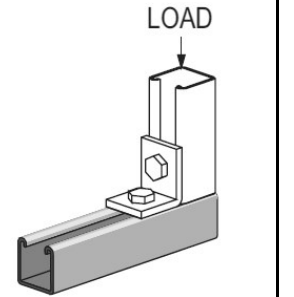
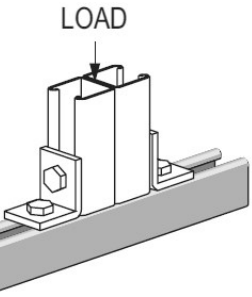
# TECHNICAL DATA



## Lateral Bracing Load Reduction Factors

Beam Span or Unbraced Length	Single Channel									Double Channel								
	1000	1100	1200	1300	1400	1500	1600	1700	1800	1000	1100	1200	1300	1400	1500	1600	1700	1800
24 (609.6)	1.00	1.00	1.00	1.00	1.00	0.98	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36 (914.4)	0.94	0.89	1.00	0.98	1.00	0.85	0.89	0.96	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
48 (1219.2)	0.88	0.78	1.00	0.94	0.98	0.70	0.77	0.91	0.88	1.00	0.98	1.00	1.00	1.00	0.97	0.98	1.00	0.98
60 (1524.0)	0.82	0.68	1.00	0.91	0.96	0.55	0.67	0.88	0.83	0.97	0.93	1.00	0.96	1.00	0.90	0.93	0.98	0.93
72 (1828.8)	0.78	0.59	0.98	0.89	0.94	0.44	0.58	0.84	0.79	0.93	0.87	0.97	0.92	0.97	0.83	0.87	0.95	0.88
84 (2133.6)	0.75	0.52	0.97	0.86	0.92	0.38	0.51	0.82	0.75	0.89	0.82	0.95	0.89	0.95	0.76	0.81	0.92	0.83
96 (2438.4)	0.71	0.47	0.96	0.84	0.91	0.33	0.46	0.79	0.72	0.85	0.76	0.92	0.85	0.92	0.68	0.76	0.88	0.79
108 (2743.2)	0.69	0.43	0.95	0.82	0.89	0.30	0.42	0.77	0.69	0.81	0.70	0.90	0.81	0.90	0.61	0.70	0.85	0.74
120 (3048.0)	0.66	0.40	0.94	0.80	0.87	0.28	0.40	0.75	0.66	0.78	0.65	0.87	0.78	0.87	0.54	0.64	0.82	0.69
144 (3657.6)	0.61	0.36	0.91	0.76	0.84	0.24	0.36	0.70	0.60	0.70	0.54	0.83	0.71	0.82	0.43	0.53	0.76	0.60
168 (4267.2)	0.55	0.32	0.89	0.73	0.81	0.22	0.32	0.66	0.55	0.63	0.45	0.78	0.64	0.77	0.35	0.45	0.70	0.51
192 (4876.8)	0.51	0.30	0.87	0.69	0.78	0.21	0.30	0.62	0.50	0.56	0.39	0.73	0.57	0.72	0.30	0.39	0.64	0.44
216 (5486.4)	0.47	0.28	0.84	0.65	0.75	0.19	0.28	0.58	0.47	0.49	0.34	0.68	0.50	0.67	0.27	0.34	0.58	0.39
240 (6096.0)	0.44	0.26	0.82	0.61	0.72	0.18	0.26	0.54	0.43	0.44	0.31	0.63	0.45	0.62	0.24	0.30	0.52	0.35

## Bearing Loads on Channel

Channel	 Bearing Length = 1 <sup>5</sup> / <sub>8</sub> (41.3) Maximum Allowable Loads		 Bearing Length = 1 <sup>5</sup> / <sub>8</sub> (41.3) Maximum Allowable Loads		 Bearing Length = 3 <sup>1</sup> / <sub>4</sub> (82.6) Maximum Allowable Loads	
	Lbs.	kN	Lbs.	kN	Lbs.	kN
1000	6700	(29.8)	3100	(13.8)	7700	(34.3)
1100	3500	(15.6)	1700	(7.6)	4000	(17.8)
1200	7300	(32.5)	3400	(15.1)	8400	(37.4)
1300	3500	(15.6)	1800	(8.0)	4100	(18.2)
1400	7300	(32.5)	3400	(15.1)	8400	(37.4)
1500	6500	(28.9)	3000	(13.3)	7500	(33.4)
1600	6600	(29.4)	3100	(13.8)	7600	(33.8)
1700	6700	(29.8)	3200	(14.2)	7700	(34.3)
1800	2600	(11.6)	1200	(5.3)	3000	(13.3)

Loads are calculated based on 2007 Specification For The Design Of Cold Formed Steel Structural Members published by AISI.