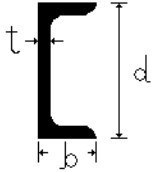




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## Channel Bar Channel

Standard Lengths 20'

Standard Grades ASTM A36 ASTM A529-50

d	Size in Inches				Lbs Per foot	Est Lbs		Uncommon Size
	b	t	Per foot	20'		40'		
3/4	x	3/8	x	1/8	0.56	11.2	22.4	*
1	x	3/8	x	1/8	0.68	13.6	27.2	*
1	x	1/2	x	1/8	0.84	16.8	33.6	
1 1/4	x	1/2	x	1/8	1.01	20.2	40.4	
1 1/2	x	1/2	x	1/8	1.12	22.4	44.8	
1 1/2	x	9/16	x	3/16	1.44	28.8	57.6	*
1 1/2	x	3/4	x	1/8	1.17	23.4	46.8	*
2	x	1/2	x	1/8	1.43	28.6	57.2	
2	x	9/16	x	3/16	1.86	37.2	74.4	*
2	x	5/8	x	1/4	2.28	45.6	91.2	*
2	x	1	x	1/8	1.59	31.8	63.6	
2	x	1	x	3/16	2.32	46.4	92.8	
2 1/2	x	5/8	x	3/16	2.27	45.4	90.8	*

## Structural Channel

Standard Lengths 20' 40'

Standard Grades ASTM A36 ASTM A529-50

Section Number	Lbs Per Foot	Depth d In.	Width b In.	Web t In.	Est. Lbs	
					20'	40'
<b>C 3</b>	<b>x 3.5</b>	3	1.372	0.132	70	140
	<b>4.1</b>	3	1.410	0.170	82	164
	<b>5</b>	3	1.498	0.258	100	200
	<b>6</b>	3	1.596	0.356	120	240

	Section Number		Lbs Per Foot	Depth <i>d</i> In.	Width <i>b</i> In.	Web <i>t</i> In.	Est. Lbs	
							20'	40'
<b>MC</b>	<b>3</b>	<b>x</b>	<b>7.1</b>	3	1.938	0.312	142	284
<b>C</b>	<b>4</b>	<b>x</b>	<b>4.5</b>	4	1.584	0.125	90	180
			<b>5.4</b>	4	1.584	0.184	108	216
			<b>6.25</b>	4	1.647	0.247	125	250
			<b>7.25</b>	4	1.721	0.321	145	290
<b>MC</b>	<b>4</b>	<b>x</b>	<b>13.8</b>	4	2.500	0.500	276	552
<b>C</b>	<b>5</b>	<b>x</b>	<b>6.7</b>	5	1.750	0.190	134	268
			<b>9</b>	5	1.885	0.325	180	360
<b>C</b>	<b>6</b>	<b>x</b>	<b>8.2</b>	6	1.920	0.200	164	328
			<b>10.5</b>	6	2.034	0.314	210	420
<b>MC</b>	<b>6</b>	<b>x</b>	<b>12</b>	6	2.497	0.310	240	480
<b>C</b>	<b>6</b>	<b>x</b>	<b>13</b>	6	2.157	0.437	260	520
<b>MC</b>	<b>6</b>	<b>x</b>	<b>15.1</b>	6	2.941	0.316	302	604
			<b>15.3</b>	6	3.500	0.340	306	612
			<b>16.3</b>	6	3.000	0.375	326	652
			<b>18</b>	6	3.504	0.379	360	720
<b>C</b>	<b>7</b>	<b>x</b>	<b>9.8</b>	7	3.090	0.210	196	392
			<b>12.25</b>	7	2.194	0.314	245	490
			<b>14.75</b>	7	2.299	0.419	295	590
<b>MC</b>	<b>7</b>	<b>x</b>	<b>19.1</b>	7	3.452	0.352	382	764
			<b>22.7</b>	7	3.603	0.503	454	908
<b>MC</b>	<b>8</b>	<b>x</b>	<b>8.5</b>	8	1.874	0.179	170	340
<b>C</b>	<b>8</b>	<b>x</b>	<b>11.5</b>	8	2.260	0.220	230	460
			<b>13.75</b>	8	2.343	0.303	275	550
<b>MC</b>	<b>8</b>	<b>x</b>	<b>18.7</b>	8	2.978	0.353	374	748
<b>C</b>	<b>8</b>	<b>x</b>	<b>18.75</b>	8	2.527	0.487	375	750
<b>MC</b>	<b>8</b>	<b>x</b>	<b>20</b>	8	3.025	0.400	400	
			<b>21.4</b>	8	3.450	0.375	428	856
			<b>22.8</b>	8	3.502	0.427	456	912
<b>C</b>	<b>9</b>	<b>x</b>	<b>13.4</b>	9	2.433	0.233	268	536
			<b>15</b>	9	2.485	0.285	300	600
			<b>20</b>	9	2.648	0.448	400	800

	Section Number		Lbs Per Foot	Depth <i>d</i> In.	Width <i>b</i> In.	Web <i>t</i> In.	Est. Lbs	
							20'	40'
<b>MC</b>	<b>8</b>	<b>x</b>	<b>20</b>	8	3.025	0.400	400	800
			<b>21.4</b>	8	3.450	0.375	428	856
			<b>22.8</b>	8	3.502	0.427	456	912
<b>C</b>	<b>9</b>	<b>x</b>	<b>13.4</b>	9	2.433	0.233	268	536
			<b>15</b>	9	2.485	0.285	300	600
			<b>20</b>	9	2.648	0.448	400	800
<b>MC</b>	<b>9</b>	<b>x</b>	<b>23.9</b>	9	3.450	0.400	478	956
			<b>25.4</b>	9	3.500	0.450	508	1016
<b>MC</b>	<b>10</b>	<b>x</b>	<b>6.5</b>	10	1.127	0.152	130	260
			<b>8.4</b>	10	1.500	0.170	168	336
<b>C</b>	<b>10</b>	<b>x</b>	<b>15.3</b>	10	2.600	0.240	306	612
			<b>20</b>	10	2.739	0.379	400	800
<b>MC</b>	<b>10</b>	<b>x</b>	<b>22</b>	10	3.315	0.290	440	880
			<b>25</b>	10	3.405	0.380	500	1000
<b>C</b>	<b>10</b>	<b>x</b>	<b>25</b>	10	2.886	0.526	500	1000
<b>MC</b>	<b>10</b>	<b>x</b>	<b>28.5</b>	10	3.950	0.425	570	1140
<b>C</b>	<b>10</b>	<b>x</b>	<b>30</b>	10	3.033	0.673	600	1200
<b>MC</b>	<b>10</b>	<b>x</b>	<b>33.6</b>	10	4.100	0.575	672	1344
			<b>41.1</b>	10	4.321	0.796	822	1644
<b>MC</b>	<b>12</b>	<b>x</b>	<b>10.6</b>	12	1.500	0.190	212	424
<b>C</b>	<b>12</b>	<b>x</b>	<b>20.7</b>	12	2.942	0.282	414	828
			<b>25</b>	12	3.047	0.387	500	1000
			<b>30</b>	12	3.170	0.510	600	1200
<b>MC</b>	<b>12</b>	<b>x</b>	<b>31</b>	12	3.670	0.370	620	1240
			<b>35</b>	12	3.767	0.467	700	1400
			<b>40</b>	12	3.890	0.590	800	1600
			<b>45</b>	12	4.012	0.712	900	1800
			<b>50</b>	12	4.135	0.835	1000	2000

Section Number	Lbs Per Foot	Depth <i>d</i> In.	Width <i>b</i> In.	Web <i>t</i> In.	Est. Lbs	
					20'	40'
<b>MC 13</b>	<b>x 31.8</b>	13	4.000	0.375	636	1272
	<b>40</b>	13	4.185	0.560	800	1600
	<b>50</b>	13	4.412	0.787	1000	2000
<b>C 15</b>	<b>x 33.9</b>	15	3.400	0.400	678	1356
	<b>40</b>	15	3.520	0.520	800	1600
	<b>50</b>	15	3.716	0.716	1000	2000
<b>MC 18</b>	<b>x 42.7</b>	18	3.950	0.450	854	1708
	<b>45.8</b>	18	4.000	0.500	916	1832
	<b>51.9</b>	18	4.100	0.600	1038	2076
	<b>58</b>	18	4.200	0.700	1160	2320