

HALF ROUND, OVAL AND HALF OVAL IRON

WEIGHT PER LINEAL FOOT.

Inch.....	8-8x3-16	7-16x7-32	1-2x1-4	5-8x5-16	3-4x3-8	7-8x7-16	1x1-2	1 1-8x9-16	1 1-4x5-8	1 1-2x3-1
Half Round & Oval	.186	.253	.331	.517	.744	1.1	1.32	1.62	2.	8. lbs.
Inch.....	3-8x3-32	7-16x7-64	1-2x1-8	5-8x5-32	3-4x3-16	7-8x7-32	1x1-4	1 1-8x9-32	1 1-4x5-16	1 1-2x3-16
Half Oval.....	.093	.13	.17	.26	.37	.50	.66	.81	1.	1.60 lbs.

Angle Iron

EQUAL LEGS—WITH FILLET.			UNEQUAL LEGS—WITH FILLET.		
SIZE.	Weight Per Foot.	Thickness of Web.	SIZE.	Weight Per Foot.	Thickness of Web.
Inches.	Pounds.	Inches.	Inches.	Pounds.	Inches.
4 x 4	11 to 16	7-16	6 x 4	16 2-3	1-2
3 1-2 x 3 1-2	9 to 12	13-32	14 1-4 to 20	17-32	1-2
3 1-4 x 3 1-4	8 to 11	13-32	13 3-4 to 19	17-32	1-2
3 x 3	7 to 10	9-32	13 1-4	1-2	1-2
2 3-4 x 2 3-4	6 to 10	11-32	8 1-2 to 12	1-2	1-2
2 1-2 x 2 1-2	5 to 8	1-2	7 2-3 to 10 1-3	13-32	1-2
2 1-4 x 2 1-4	4 to 6	1-2	6 1-2 to 8	7-16	7-16
2 x 2	3 to 5	1-2	5 9-10		
1 3-4 x 1 3-4	2 1-4 to 4 1-2	7-32			
1 1-2 x 1 1-2	1 3-4 to 2 1-4	8-16			
1 1-4 x 1 1-4	1 1-2 to 2	8-16			
1 1-8 x 1 1-8	1 1-2 to 1 3-4	8-16			
1 x 1	1 to 1 1-4	5-32			

Standard Sizes and Weight of Angle Iron WITH FILLET.

SIZE IN INCHES.	Average Thickness in Inches.	Weight Per Foot in Lbs.	SIZE IN INCHES.	Average Thickness in Inches.	Weight Per Foot in Lbs.
4 x 4	1-2	13	2 x 2	11-32	3 3-4
3 1-2 x 3 1-2	7-16	10	1 3-4 x 1 3-4	5-16	3
3 x 3	3-8	7 1-2	1 1-2 x 1 1-2	1-4	2 1-4
2 1-2 x 2 1-2	11-32	5 3-4	1 1-4 x 1 1-4	7-32	1 1-2
2 1-2 x 2 1-2	5-16	4 3-4	1 x 1	1-8	.83
2 1-4 x 2 1-4	11-32	4			

I Beams

Channel Bars

Channel Bars

DEPTH.	DESCRIPTION.	WEIGHT PER FOOT.	FLANGES.		WEB.		Area of Cross-Section.	DEPTH.	DESCRIPTION.	WEIGHT PER FOOT.	FLANGES.		WEB.		Area of Cross-Section.
			Width.	Average Thickness.	Thickness.	Effective Depth.					Width.	Average Thickness.	Thickness.	Effective Depth.	
Ins.		Lbs.	Ins.	Ins.	Ins.	Ins.	Sq. In.	Ins.		Lbs.	Ins.	Ins.	Ins.	Ins.	Sq. In.
15	Heavy...	07	5.5	1.00	.65	13.91	20.10	12	Heavy...	50	3.2	.78	.95	11.22	15.01
15	Light...	50	5.0	.94	.44	14.06	15.00	12	Medium...	30	2.7	.79	.45	11.22	9.00
12	Heavy...	60	5.15	1.00	.78	11.00	18.00	12	Light...	20 3-4	3.0	.41	.31	11.59	6.25
12	Light...	42	4.5	.81	.62	11.19	12.60	10	Heavy...	35	2.97	.72	.72	9.28	10.50
10	Heavy...	38	4.5	.81	.51	9.19	11.40	10	Medium...	23	2.61	.72	.36	9.28	6.90
10	Light...	30	4.3	.75	.82	9.25	9.00	10	Light...	15 2-3	2.5	.34	.31	9.66	4.62
9	Heavy...	30	4.34	.75	.35	8.25	9.00	9	Heavy...	80	2.83	.63	.7	8.37	9.00
9	Light...	23 3-4	4.06	.66	.26	8.34	7.13	9	Medium...	18	2.43	.63	.3	8.37	5.40
8	Heavy...	27	4.0	.72	.30	7.28	8.10	9	Light...	14 1-3	2.5	.34	.31	8.66	4.30
8	Light...	22	3.75	.63	.28	7.37	6.61	8	Heavy...	25	2.64	.59	.64	7.41	7.50
7	Heavy...	20	3.63	.63	.26	6.37	6.00	8	Medium...	16	2.3	.59	.30	7.31	4.80
7	Light...	18	3.56	.63	.26	6.37	5.41	8	Light...	12 1-2	2.0	.47	.26	7.53	3.75
6	Heavy...	16	3.38	.56	.24	5.44	4.81	7	Heavy...	20	2.55	.53	.55	6.47	6.00
6	Light...	13 1-2	3.22	.50	.20	5.60	4.05	7	Medium...	14	2.29	.53	.30	6.47	4.21
5	Heavy...	12	2.88	.38	.35	4.62	3.60	7	Light...	10 1-2	1.98	.44	.22	6.66	3.18
5	Light...	10	2.75	.38	.23	4.62	3.00	6	Heavy...	11	2.00	.50	.25	5.66	3.30
4	Heavy...	10	2.63	.34	.39	3.67	2.40	6	Light...	7 1-2	1.75	.34	.19	5.66	2.25
4	Light...	8	2.50	.34	.24	3.67	2.40	5	Heavy...	10	2.00	.50	.30	4.50	3.00
3	Heavy...	8	2.34	.34	.34	2.66	2.40	5	Light...	6 1-2	1.55	.37	.18	4.63	1.95
3	Light...	7	2.25	.34	.24	2.66	2.10	4	Heavy...	7 3-4	1.78	.41	.28	9.59	2.33
								4	Light...	6	1.54	.34	.28	8.66	1.80
								3	Heavy...	6	1.71	.34	.4	2.66	1.80
								8	Light...	5	1.5	.34	.2	2.66	1.50

Inch.
Feet
Inch.
Feet

In

1
1
1
1
1
2
2
3
3
3
4
4
5

Platinum
Antimony
Bismuth
Tin (ave)
Lead (ave)
Zinc
Cast Iron
Wrought
Steel
Copper