

# Strips

Commercial Quality / M1020 / ASTM A-36



## Hot Rolled Strips

Size	Length	WT / FT	WT / Bar
1/8 x 1/2	20'	0.213	4.26
1/8 x 3/4	20'	0.319	6.38
1/8 x 1	20'	0.425	8.50
1/8 x 1-1/4	20'	0.531	10.62
1/8 x 1-1/2	20'	0.638	12.76
1/8 x 1-3/4	20'	0.744	14.88
1/8 x 2	20'	0.850	17.00
1/8 x 2-1/4	20'	0.956	19.12
1/8 x 2-1/2	20'	1.063	21.26
1/8 x 3	20'	1.275	25.50
1/8 x 3-1/2	20'	1.488	29.76
1/8 x 4	20'	1.700	34.00
1/8 x 5	20'	2.125	42.50
1/8 x 6	20'	2.550	51.00
1/8 x 8	10'	3.400	34.00
1/8 x 10	10'	4.250	42.50
1/8 x 12	10'	5.100	51.00
3/16 x 1/2	20'	0.319	6.38
3/16 x 3/4	20'	0.478	9.56
3/16 x 1	20'	0.638	12.76
3/16 x 1-1/4	20'	0.797	15.94
3/16 x 1-1/2	20'	0.956	19.12
3/16 x 1-3/4	20'	1.116	22.32
3/16 x 2	20'	1.275	25.50
3/16 x 2-1/2	20'	1.594	31.88
3/16 x 3	20'	1.913	38.26
3/16 x 3-1/2	20'	2.231	44.62
3/16 x 4	20'	2.550	51.00
3/16 x 5	20'	3.188	63.76
3/16 x 5-1/2	20'	3.506	70.12
3/16 x 6	20'	3.825	76.50
3/16 x 8	10'	5.100	51.00
3/16 x 10	10'	6.375	63.75
3/16 x 12	10'	7.650	76.50



## Galvanized Strips

Size	Length	WT / FT	WT / Bar
1/8 x 1	10'	0.482	4.82
1/8 x 1-1/2	10'	0.723	7.23
1/8 x 2	10'	0.963	9.63
3/16 x 1	20'	0.672	13.44
3/16 x 1-1/4	20'	0.839	16.78
3/16 x 1-1/2	20'	1.006	20.12
3/16 x 2	20'	1.342	26.84
3/16 x 3	20'	2.014	40.28
3/16 x 3-1/2	20'	2.348	46.96

**ASTM A-36** – Low carbon, structural quality steel used in bridges, building construction, and general structural applications. Estimated Minimum Mechanical Properties (EMMP):

Yield – 36,000 psi.

Tensile – 58,000 - 80,000 psi.

**M1020** – A low carbon, low manganese, general purpose, merchant quality steel that is suitable for forming and welding. Estimated Minimum Mechanical Properties (EMMP):

Yield – 43,000 psi.

Tensile – 65,000 psi.



## Hot Rolled Flats

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Size	Length	WT / FT	WT / Length
1/4 x 1/2	20'	0.425	8.50
1/4 x 3/4	20'	0.638	12.76
1/4 x 1	20'	0.850	17.00
1/4 x 1-1/4	20'	1.063	21.26
1/4 x 1-1/2	20'	1.275	25.50
1/4 x 1-3/4	20'	1.488	29.76
1/4 x 2	20'	1.700	34.00
1/4 x 2-1/4	20'	1.913	38.26
1/4 x 2-1/2	20'	2.125	42.50
1/4 x 2-3/4	20'	2.338	46.76
1/4 x 3	20'	2.550	51.00
1/4 x 3-1/2	20'	2.975	59.50
1/4 x 4	20'	3.400	68.00
1/4 x 4-1/2	20'	3.825	76.50
1/4 x 5	20'	4.250	85.00
1/4 x 5-1/2	20'	4.675	93.50
1/4 x 6	20'	5.100	102.00
1/4 x 7	20'	5.950	119.00
1/4 x 8	20'	6.800	136.00
1/4 x 10	20'	8.500	170.00
1/4 x 12	20'	10.200	204.00
5/16 x 1	20'	1.063	21.26
5/16 x 1-1/4	20'	1.328	26.56
5/16 x 1-1/2	20'	1.594	31.88
5/16 x 1-3/4	20'	1.859	37.18
5/16 x 2	20'	2.125	42.50
5/16 x 2-1/2	20'	2.656	53.12
5/16 x 3	20'	3.188	63.76
5/16 x 3-1/2	20'	3.719	74.38
5/16 x 4	20'	4.250	85.00
5/16 x 4-1/2	20'	4.781	95.62
5/16 x 5	20'	5.313	106.26
5/16 x 6	20'	6.375	127.50

## Flats



## Hot Rolled Flats

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Size	Length	WT / FT	WT / Length
3/8 x 3/4	20'	0.956	19.12
3/8 x 1	20'	1.275	25.50
3/8 x 1-1/4	20'	1.594	31.88
3/8 x 1-1/2	20'	1.913	38.26
3/8 x 1-3/4	20'	2.231	44.62
3/8 x 2	20'	2.550	51.00
3/8 x 2-1/4	20'	2.869	57.38
3/8 x 2-1/2	20'	3.188	63.76
3/8 x 2-3/4	20'	3.506	70.12
3/8 x 3	20'	3.825	76.50
3/8 x 3-1/2	20'	4.463	89.26
3/8 x 4	20'	5.100	102.00
3/8 x 4-1/2	20'	5.738	114.76
3/8 x 5	20'	6.375	127.50
3/8 x 5-1/2	20'	7.013	140.26
3/8 x 6	20'	7.650	153.00
3/8 x 6-1/2	20'	8.288	165.76
3/8 x 7	20'	8.925	178.50
3/8 x 8	20'	10.200	204.00
3/8 x 9	20'	11.480	229.60
3/8 x 10	20'	12.750	255.00
3/8 x 12	10'	15.300	153.00
3/8 x 12	20'	15.300	306.00

**M1020** – A low carbon, low manganese, general purpose, merchant quality steel that is suitable for forming and welding. Estimated Minimum Mechanical Properties (EMMP):

Yield – 43,000 psi.  
Tensile – 65,000 psi.



## Hot Rolled Flats

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Size	Length	WT / FT	WT / Length
1/2 x 3/4	20'	1.275	25.50
1/2 x 1	20'	1.700	34.00
1/2 x 1-1/4	20'	2.125	42.50
1/2 x 1-1/2	20'	2.550	51.00
1/2 x 1-3/4	20'	2.975	59.50
1/2 x 2	20'	3.400	68.00
1/2 x 2-1/4	20'	3.825	76.50
1/2 x 2-1/2	20'	4.250	85.00
1/2 x 2-3/4	20'	4.675	93.50
1/2 x 3	20'	5.100	102.00
1/2 x 3-1/4	20'	5.525	110.50
1/2 x 3-1/2	20'	5.950	119.00
1/2 x 4	20'	6.800	136.00
1/2 x 4-1/2	20'	7.650	153.00
1/2 x 5	20'	8.500	170.00
1/2 x 5-1/2	20'	9.350	187.00
1/2 x 6	20'	10.200	204.00
1/2 x 6-1/2	20'	11.050	221.00
1/2 x 7	20'	11.900	238.00
1/2 x 8	20'	13.600	272.00
1/2 x 9	20'	15.300	306.00
1/2 x 10	20'	17.000	340.00
1/2 x 12	20'	20.400	408.00
5/8 x 1	20'	2.125	42.50
5/8 x 1-1/2	20'	3.188	63.76
5/8 x 2	20'	4.250	85.00
5/8 x 2-1/2	20'	5.313	106.26
5/8 x 3	20'	6.375	127.50
5/8 x 3-1/2	20'	7.438	148.76
5/8 x 4	20'	8.500	170.00
5/8 x 4-1/2	20'	9.563	191.26
5/8 x 5	20'	10.630	212.60
5/8 x 6	20'	12.750	255.00
5/8 x 7	20'	14.880	297.60
5/8 x 8	20'	17.000	340.00
5/8 x 9	20'	19.130	382.60
5/8 x 10	20'	21.250	425.00
5/8 x 12	20'	25.500	510.00

## Flats



## Hot Rolled Flats

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Size	Length	WT / FT	WT / Length
3/4 x 1	20'	2.550	51.00
3/4 x 1-1/2	20'	3.825	76.50
3/4 x 2	20'	5.100	102.00
3/4 x 2-1/2	20'	6.375	127.50
3/4 x 2-3/4	20'	7.013	140.26
3/4 x 3	20'	7.650	153.00
3/4 x 3-1/2	20'	8.925	178.50
3/4 x 4	20'	10.200	204.00
3/4 x 4-1/2	20'	11.480	229.60
3/4 x 5	20'	12.750	255.00
3/4 x 6	20'	15.300	306.00
3/4 x 7	20'	17.850	357.00
3/4 x 8	20'	20.400	408.00
3/4 x 9	20'	22.950	459.00
3/4 x 10	20'	25.500	510.00
3/4 x 12	20'	30.600	612.00
1 x 1-1/2	20'	5.100	102.00
1 x 2	20'	6.800	136.00
1 x 2-1/2	20'	8.500	170.00
1 x 3	20'	10.200	204.00
1 x 3-1/2	20'	11.900	238.00
1 x 4	20'	13.600	272.00
1 x 5	20'	17.000	340.00
1 x 6	20'	20.400	408.00
1 x 7	20'	23.800	476.00
1 x 8	20'	27.200	544.00
1 x 10	20'	34.000	680.00
1 x 12	20'	40.800	816.00
1-1/4 x 2	20'	8.500	170.00
1-1/4 x 3	20'	12.750	255.00
1-1/4 x 4	20'	17.000	340.00
1-1/2 x 2-1/4	20'	11.480	229.60
1-1/2 x 4-1/2	20'	22.950	459.00
2 x 5	20'	34.000	680.00

## Flats



## Galvanized Flats

ASTM A-36

Size	Length	WT / FT	WT / Length
1/4 x 1	20'	0.895	17.90
1/4 x 1-1/4	20'	1.119	22.38
1/4 x 1-1/2	20'	1.342	26.84
1/4 x 2	20'	1.789	35.78
1/4 x 2-1/2	20'	2.237	44.74
1/4 x 3	20'	2.684	53.68
1/4 x 4	20'	3.579	71.58
1/4 x 6	20'	5.368	107.36
3/8 x 2	20'	2.684	53.68
3/8 x 3	20'	4.026	80.52
3/8 x 6	20'	8.053	161.06
1/2 x 7	20'	12.526	250.52



## Hot Rolled Flats M1044

Size	Length	WT / FT	WT / Length
1/2 x 3	20'	5.100	102.00



## Hot Rolled Flats 1045

Size	Length	WT / FT	WT / Length
5/16 x 4	24'4"	4.250	103.42
3/4 x 4	20'	10.200	204.00
3/4 x 5	20'	12.750	255.00
1 x 5	20'	17.000	340.00

**H.R. Flat M1044** – This is a medium carbon, similar to the properties of 1045 but contains lesser amounts of manganese. Strength levels and heat treatability are very close to the same. Estimated Minimum Mechanical Properties (EMMP):

Yield – 44,000 psi.      Tensile – 80,000 psi.

**H.R. Flat 1045** – This is a medium carbon which increases strength levels and heat treatability. Commonly used for axles, shafts, gears, and connecting rods. Estimated Minimum Mechanical Properties (EMMP):

Yield – 60,000 psi.      Tensile – 95,000 psi.

## Flats



## Cold Drawn Flats 1018

Size	Length	WT / FT	WT / Length
1/8 x 1/2	12'	0.213	2.56
1/8 x 3/4	12'	0.319	3.83
1/8 x 1	12'	0.425	5.10
1/8 x 1-1/2	12'	0.638	7.66
1/8 x 1-3/4	12'	0.744	8.93
1/8 x 2	12'	0.850	10.20
1/8 x 2-1/2	12'	1.063	12.76
1/8 x 3	12'	1.275	15.30
1/8 x 4	12'	1.700	20.40
3/16 x 1/2	12'	0.319	3.83
3/16 x 3/4	12'	0.478	5.74
3/16 x 1	12'	0.638	7.66
3/16 x 1-1/2	12'	0.956	11.47
3/16 x 2	12'	1.275	15.30
3/16 x 2-1/2	12'	1.594	19.13
3/16 x 3	12'	1.913	22.96
3/16 x 4	12'	2.550	30.60
3/16 x 5	12'	3.188	38.26
3/16 x 6	12'	3.825	45.90
1/4 x 1/2	12'	0.425	5.10
1/4 x 3/4	12'	0.638	7.66
1/4 x 7/8	12'	0.744	8.93
1/4 x 1	12'	0.850	10.20
1/4 x 1-1/4	12'	1.063	12.76
1/4 x 1-1/2	12'	1.275	15.30
1/4 x 1-3/4	12'	1.488	17.86
1/4 x 2	12'	1.700	20.40
1/4 x 2-1/2	12'	2.125	25.50
1/4 x 3	12'	2.550	30.60
1/4 x 3-1/2	12'	2.975	35.70
1/4 x 4	12'	3.400	40.80
1/4 x 5	12'	4.250	51.00
1/4 x 6	12'	5.100	61.20
1/4 x 7	12'	5.950	71.40



## Cold Drawn Flats 1018

Size	Length	WT / FT	WT / Length
5/16 x 1/2	12'	0.531	6.37
5/16 x 1	12'	1.063	12.76
5/16 x 1-1/2	12'	1.594	19.13
5/16 x 2	12'	2.125	25.50
3/8 x 1/2	12'	0.638	7.66
3/8 x 3/4	12'	0.956	11.47
3/8 x 1	12'	1.275	15.30
3/8 x 1-1/4	12'	1.594	19.13
3/8 x 1-1/2	12'	1.913	22.96
3/8 x 2	12'	2.550	30.60
3/8 x 2-1/2	12'	3.188	38.26
3/8 x 3	12'	3.825	45.90
3/8 x 3-1/2	12'	4.463	53.56
3/8 x 3-3/4	12'	4.781	57.37
3/8 x 4	12'	5.100	61.20
3/8 x 5	12'	6.375	76.50
3/8 x 6	12'	7.650	91.80
7/16 x 1	12'	1.488	17.86
7/16 x 1-1/2	12'	2.231	26.77
7/16 x 2	12'	2.975	35.70
7/16 x 3	12'	4.463	53.56
7/16 x 4	12'	5.950	71.40

**1018** – A low carbon steel that is easily welded or brazed with fair machinability and good hardening properties. Manufactured for cold forming and bending. Estimated Minimum Mechanical Properties (EMMP): Yield 54,000 psi. Tensile 64,000 psi.

## Flats



## Cold Drawn Flats 1018

Size	Length	WT / FT	WT / Length
1/2 x 3/4	12'	1.275	15.30
1/2 x 1	12'	1.700	20.40
1/2 x 1-1/4	12'	2.125	25.50
1/2 x 1-1/2	12'	2.550	30.60
1/2 x 2	12'	3.400	40.80
1/2 x 2-1/2	12'	4.250	51.00
1/2 x 3	12'	5.100	61.20
1/2 x 3-1/2	12'	5.950	71.40
1/2 x 4	12'	6.800	81.60
1/2 x 4-1/2	12'	7.650	91.80
1/2 x 5	12'	8.500	102.00
1/2 x 6	12'	10.200	122.40
5/8 x 1	12'	2.125	25.50
5/8 x 1-1/4	12'	2.656	31.87
5/8 x 1-1/2	12'	3.188	38.26
5/8 x 1-3/4	12'	3.719	44.63
5/8 x 2	12'	4.250	51.00
5/8 x 2-1/2	12'	5.313	63.76
5/8 x 3	12'	6.375	76.50
5/8 x 4	12'	8.500	102.00
5/8 x 6	12'	12.750	153.00
5/8 x 7	12'	14.880	178.56



## Cold Drawn Flats 1018

Size	Length	WT / FT	WT / Length
3/4 x 1	12'	2.550	30.60
3/4 x 1-1/2	12'	3.825	45.90
3/4 x 2	12'	5.100	61.20
3/4 x 2-1/2	12'	6.375	76.50
3/4 x 3	12'	7.650	91.80
3/4 x 4	12'	10.200	122.40
3/4 x 5	12'	12.750	153.00
3/4 x 5-1/2	12'	14.030	168.36
3/4 x 6	12'	15.300	183.60
1 x 1-1/4	12'	4.250	51.00
1 x 1-1/2	12'	5.100	61.20
1 x 2	12'	6.800	81.60
1 x 3	12'	10.200	122.40
1 x 3-1/2	12'	11.900	142.80
1 x 4	12'	13.600	163.20