
CARBON STEEL BARS

Hot Rolled

Rounds



A 36

A 709 Grade 36

1018

1045

1117

1141

Forged & Rough Turned

1018

1045

Squares



A 36

A 709 Grade 36

1018

1045

Half Ovals



A 36

A 709 Grade 36

Half Rounds



A 36

A 709 Grade 36

Rectangles



Commercial Quality Strip

A 36

Hot Rolled

Pickled Dry or Oiled

Mechanically Descaled Dry or Oiled

Galvanized

A 709 Grade 36

M 1044 (.40 to .50) Carbon

Universal Mill Plate

Reinforcing Bars



STEEL ROUNDS HOT ROLLED



**ASTM A 36 ASME SA-36
ASTM A 709 Grade 36**

1018 Special Quality ASTM A 576

1045 Special Quality ASTM A 576

Identification Colors: A 36 — White
1018 — Green
1045 — Yellow

**H.R.
BARS**

Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 20' Bar	Random Lengths, Feet		
			A 36 SA-36	1018	1045
1/4	.1669	3.338	..	20	..
5/16	.2608	5.216	..	20	..
3/8	.3755	7.510	..	20	..
7/16	.5111	10.22	20	..	..
1/2	.6676	13.35	20	20	20
9/16	.8449	16.90	20	..	..
5/8	1.043	20.86	20	20	20
3/4	1.502	30.04	20	20	20
7/8	2.045	40.90	20	..	..
1	2.670	53.40	20	20	20
1 1/8	3.380	67.60	20	..	..
1 1/4	4.173	83.46	20	..	20
1 3/8	5.049	101.0	20	..	20
1 1/2	6.008	120.2	20	20	20
1 5/8	7.052	141.0	20	20	20
1 3/4	8.178	163.6	20	..	20
1 7/8	9.388	187.8	20	..	20
2	10.68	213.6	20	20	20
2 1/8	12.06	241.2	20	..	20
2 1/4	13.52	270.4	20	20	20
2 3/8	15.06	301.2	20	..	20
2 1/2	16.69	333.8	20	20	20
2 5/8	18.40	368.0	..	..	20
2 3/4	20.19	403.8	20	20	20
2 7/8	22.07	441.4	..	20	..
3	24.03	480.6	..	20	20
3 1/8	26.08	521.6	..	..	20
3 1/4	28.21	564.2	..	20	20
3 1/2	32.71	654.2	..	20	20
3 5/8	35.09	701.8	..	20	20
3 3/4	37.55	751.0	..	20	20
4	42.73	854.6	..	20	20
4 1/8	45.44	908.8	..	..	20
4 1/4	48.23	964.6	..	20	20
4 3/8	51.11	1022.2	..	20	..
4 1/2	54.08	1081.6	..	20	20
4 5/8	57.12	1142.4	..	..	20
4 3/4	60.25	1205.0	..	20	20

Continued on following page



STEEL ROUNDS HOT ROLLED

1018 Special Quality ASTM A 576

1045 Special Quality ASTM A 576

Identification Colors: 1018 — Green; 1045 — Yellow

Continued from preceding page

Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 20' Bar	Random Lengths, Feet	
			1018	1045
5	66.76	1335.2	20	20
5¹/₄	73.60	1472.0	20	20
5¹/₂	80.78	1615.6	20	20
5³/₄	88.29	1765.8	20	20
6	96.13	1922.6	20	20
6¹/₄	104.3	2086.0	20	20
6¹/₂	112.8	2256.0	20	20
6³/₄	121.7	2434.0	20	20
7	130.8	2616.0	20	20
7¹/₄	140.4	2808.0	20	20
7¹/₂	150.2	3004.0	20	20
7³/₄	160.4	3208.0	20	20
8	170.9	3418.0	20	20
8¹/₄	181.8	3636.0	20	20
8¹/₂	192.9	3858.0	20	20
8³/₄	204.5	4090.0	..	20
9	216.3	4326.0	20	20
9¹/₂	241.0	4820.0	20	20
9³/₄	253.9	5078.0	..	20
10	267.0	5340.0	20	20
10¹/₂*	294.4	5888.0	20	20
11*	323.0	6460.0	20	20
11¹/₂*	353.1	7062.0	..	20
12*	384.5	7690.0	20	20

*ASTM A 576 chemistry only



STEEL ROUNDS HOT ROLLED FORGED AND ROUGH TURNED

1018 1045

Identification Colors: 1018 — Green; 1045 — Yellow

Size in Inches	Suitable for Finishing To	Est. Lbs. Per Ft. Actual Size	Random Lengths, Feet	
			1018	1045
11³/₄	11 ¹ / ₂	368.6	10-20'R	..
13¹/₄	13	468.8	10-20'R	10-20'R
14¹/₄	14	542.2	10-20'R	..

STEEL ROUNDS HOT ROLLED

1117 1141

Special Quality ASTM A 576



Identification Colors: 1117— Pink
1141— Aluminum

Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 20' Bar	Random Lengths, Feet	
			1117	1141
2	10.68	213.6		20
2¹/₂	16.69	333.8	. .	20
2³/₄	20.19	403.8	20	. .
3	24.03	480.6		20
3¹/₄	28.21	564.2	20	20
3³/₈	30.42	608.4	. .	20
3¹/₂	32.71	654.2	20	20
3⁵/₈	35.09	701.8	. .	20
3³/₄	37.55	751.0	20	20
4	42.73	854.6	20	20
4¹/₄	48.23	964.6	20	20
4¹/₂	54.08	1081.6	20	20
4³/₄	60.25	1205.0	20	20
5	66.76	1335.2	20	20
5¹/₄	73.60	1472.0	20	20
5¹/₂	80.78	1615.6	20	20
5³/₄	88.29	1765.8	20	20
6	96.13	1922.6	20	20
6¹/₄	104.3	2086.0	20	20
6¹/₂	112.8	2256.0	20	20
6³/₄	121.7	2434.0	. .	20
7	130.8	2616.0	20	20
7¹/₄	140.4	2808.0	20	20
7¹/₂	150.2	3004.0	20	20
8	170.9	3418.0	20	20
8¹/₂	192.9	3858.0	20	20
9	216.3	4326.0	20	20



STEEL SQUARES HOT ROLLED

ASTM A 36 ASME SA-36
ASTM A 709 Grade 36

1018 Special Quality ASTM A 576

1045 Special Quality ASTM A 576

Identification Colors: A 36 — White
1018 — Green
1045 — Yellow

Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 20' Bar	Random Lengths, Feet		
			A 36 SA-36	1018	1045
$\frac{3}{8}$	.4781	9.562	20	..	..
$\frac{7}{16}$	.6508	13.02	20	..	..
$\frac{1}{2}$ ...	.8500 ..	17.00	20 .....	..	..
$\frac{9}{16}$	1.076	21.52	20	..	..
$\frac{5}{8}$	1.328	26.56	20	..	..
$\frac{3}{4}$...	1.913 ...	38.26	20 .....	..	..
$\frac{7}{8}$	2.603	52.06	20	..	..
1	3.400 ...	68.00	20 .....	..	20
1$\frac{1}{8}$	4.303	86.06	20	..	..
1$\frac{1}{4}$	5.313	106.3	20	..	20
1$\frac{1}{2}$	7.650	153.0	20	..	20
1$\frac{3}{4}$	10.41	208.2	20	..	..
2	13.60	272.0	20 .....	..	20
2$\frac{1}{4}$	17.21	344.2	20	..	..
2$\frac{1}{2}$	21.25	425.0	20	..	20
2$\frac{3}{4}$	25.71	514.2	20	..	..
3	30.60	612.0 .....	..	20	20
3$\frac{1}{2}$	41.65	833.0	..	20	20
4	54.40 ...	1088.0 .....	..	20	20
4$\frac{1}{2}$	68.85	1377.0	..	20	20
5	85.00 ...	1700.0 .....	..	20	20
6	122.40 ...	2448.0 .....	..	20	20

STEEL HALF OVALS
HOT ROLLED
ASTM A 36 ASME SA-36
ASTM A 709 Grade 36



Identification Color: White

Size in Inches	Lbs. Per Foot	Est. Lbs. Per 20' Bar	Random Lengths Feet
1 x 1/4	.620	12.40	20
1 1/4 x 5/16	.960	19.20	20
1 1/2 x 5/16	1.18	23.60	20
1 1/2 x 7/16	1.56	31.20	20
1 3/4 x 7/16	1.91	38.20	20
2 x 1/2	2.587	..	20

STEEL HALF ROUNDS
HOT ROLLED
ASTM A 36 ASME SA-36
ASTM A 709 Grade 36



Identification Color: White

Size in Inches	Lbs. Per Foot	Est. Lbs. Per 20' Bar	Random Lengths Feet
1/2	.334	6.68	20
3/4	.7510	15.02	20
1	1.335	26.70	20

STEEL
CONCRETE REINFORCING BARS
New Billet Steel — Deformed Bars
ASTM A 615 Grade 60



Tensile Strength 90 ksi Minimum
Yield Point 60 ksi Minimum

Bar No.*	Lbs. Per Foot	Nominal Dimensions			Random Lengths Feet
		Dia. Inches	Area Sq. Inches	Perimeter Inches	
4	.6676	.500	.20	1.571	20
5	1.043	.625	.31	1.963	20
6	1.502	.750	.44	2.356	20

*Bar number is the number of eighths of an inch in the nominal diameter



STEEL STRIP* HOT ROLLED

Low Carbon Commercial Quality

ASTM A 1011 CS Type B

Random Lengths 16 Ft.

Gage & Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 16' Bar	Gage & Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 16' Bar
1/8 (.125) x			3/16 (.1875) x		
1/2	.2125	3.400	1/2	.3188	5.101
5/8	.2656	4.250	5/8	.3984	6.374
3/4	.3188	5.101	3/4	.4781	7.650
7/8	.3719	5.950	7/8	.5578	8.925
1	.4250	6.800	1	.6375	10.20
1 1/8	.4781	7.650	1 1/8	.7172	11.48
1 1/4	.5313	8.501	1 1/4	.7969	12.75
1 3/8	.5844	9.350	1 3/8	.8766	14.03
1 1/2	.6375	10.20	1 1/2	.9563	15.30
1 3/4	.7438	11.90	1 3/4	1.116	17.86
2	.8500	13.60	2	1.275	20.40
2 1/2	1.063	17.01	2 1/4	1.434	22.94
2 3/4	1.169	18.70	2 1/2	1.594	25.50
3	1.275	20.40	2 3/4	1.753	28.05
3 1/4	1.381	22.10	3	1.913	30.61
3 1/2	1.488	23.81	3 1/4	2.072	33.15
4	1.700	27.20	3 1/2	2.231	35.70
4 1/2	1.913	30.61	4	2.550	40.80
5	2.125	34.00	4 1/2	2.869	45.90
5 1/2	2.338	37.41	5	3.188	51.01
6	2.550	40.80	5 1/2	3.506	56.10
7	2.975	47.60	6	3.825	61.20
8	3.400	54.40	7	4.463	71.41
10 Ga. (.134) x			8	5.100	81.60
1	.4556	7.290	10	6.375	102.0
1 1/2	.6834	10.93	12	7.650	122.4

*Also available Pickled Dry or Oiled

STEEL FLATS*
HOT ROLLED
ASTM A 36 ASME SA-36
ASTM A 709 Grade 36



Random Lengths 20 Ft.
 Identification Color: White

Size in Inches	Lbs. Per Foot	Est. Lbs. Per 20' Bar	Size in Inches	Lbs. Per Foot	Est. Lbs. Per 20' Bar
1/4 x 1/2	.4250	8.500	5/16 x 5/8	.6641	13.28
	.5313	10.63		.7969	15.94
	.6375	12.75		.9297	18.59
	.7438	14.88	1	1.063	21.26
1	.8500	17.00	1 1/4	1.328	26.56
1 1/8	.9563	19.13	1 3/8	1.461	29.22
1 1/4	1.063	21.26	1 1/2	1.594	31.88
1 3/8	1.169	23.38	1 3/4	1.859	37.18
1 1/2	1.275	25.50	2	2.125	42.50
1 5/8	1.381	27.62	2 1/4	2.391	47.82
1 3/4	1.488	29.76	2 1/2	2.656	53.12
2	1.700	34.00	2 3/4	2.922	58.44
2 1/4	1.913	38.26	3	3.188	63.76
2 1/2	2.125	42.50	3 1/4	3.453	69.06
2 3/4	2.338	46.76	3 1/2	3.719	74.38
3	2.550	51.00	4	4.250	85.00
3 1/4	2.763	55.26	4 1/2	4.781	95.62
3 1/2	2.975	59.50	5	5.313	106.3
3 3/4	3.188	63.76	5 1/2	5.844	116.9
4	3.400	68.00	6	6.375	127.5
4 1/2	3.825	76.50	7	7.438	148.8
5	4.250	85.00	8	8.500	170.0
5 1/2	4.675	93.50	10**	10.63	212.6
6	5.100	102.0	3/8 x 1/2	.6375	12.75
6 1/2	5.525	110.5		.7969	15.94
7	5.950	119.0		.9563	19.13
7 1/2	6.375	127.5		1.116	22.32
8	6.800	136.0	1	1.275	25.50
9**	7.660	153.2	1 1/8	1.434	28.68
10**	8.510	170.2	1 1/4	1.594	31.88
12**	10.210	204.2	1 3/8	1.753	35.06
			1 1/2	1.913	38.26

* Also available Pickled Dry or Oiled,
 Mechanically Descaled Dry or Oiled, or Galvanized

Continued on following page

** Universal Mill Plate (Mill Edge) — Ends Plain



STEEL FLATS* HOT ROLLED

ASTM A 36 ASME SA-36

ASTM A 709 Grade 36

Random Lengths 20 Ft.
Identification Color: White

Continued from preceding page

Size in Inches	Lbs. Per Foot	Est. Lbs. Per 20' Bar	Size in Inches	Lbs. Per Foot	Est. Lbs. Per 20' Bar
3/8 x 1^{5/8}	2.072	41.44	1/2 x 5/8	1.063	21.26
1^{3/4}	2.231	44.62	3/4	1.275	25.50
2	2.550	51.00	1	1.700	34.00
2^{1/4}	2.869	57.38	1^{1/8}	1.913	38.26
2^{1/2}	3.188	63.76	1^{1/4}	2.125	42.50
2^{3/4}	3.506	70.12	1^{3/8}	2.338	46.76
3	3.825	76.50	1^{1/2}	2.550	51.00
3^{1/4}	4.144	82.88	1^{5/8}	2.763	55.26
3^{1/2}	4.463	89.26	1^{3/4}	2.975	59.50
4	5.100	102.0	2	3.400	68.00
4^{1/2}	5.738	114.8	2^{1/4}	3.825	76.50
5	6.375	127.5	2^{1/2}	4.250	85.00
5^{1/2}	7.013	140.3	2^{3/4}	4.675	93.50
6	7.650	153.0	3	5.100	102.0
6^{1/2}	8.288	165.8	3^{1/4}	5.525	110.5
7	8.925	178.5	3^{1/2}	5.950	119.0
7^{1/2}	9.563	191.3	4	6.800	136.0
8	10.20	204.0	4^{1/2}	7.650	153.0
9**	11.49	229.8	5	8.500	170.0
10**	12.77	255.4	5^{1/2}	9.350	187.0
12**	15.32	306.4	6	10.20	204.0
7/16 x 1	1.488	29.76	7	11.90	238.0
1^{1/4}	1.859	37.18	8	13.60	272.0
1^{1/2}	2.231	44.62	9**	15.32	306.4
2	2.975	59.50	10**	17.02	340.4
2^{1/4}	3.347	66.94	12**	20.42	408.4
2^{1/2}	3.719	74.38	5/8 x 3/4	1.594	31.88
3	4.463	89.26	7/8	1.859	37.18
4	5.950	119.0	1	2.125	42.50
5	7.438	148.8	1^{1/8}	2.391	47.82
			1^{1/4}	2.656	53.12

* Also available Pickled Dry or Oiled,
Mechanically Descaled Dry or Oiled, or Galvanized
** Universal Mill Plate (Mill Edge) — Ends Plain

Continued on following page

STEEL FLATS* HOT ROLLED



ASTM A 36 ASME SA-36

ASTM A 709 Grade 36

Random Lengths 20 Ft.
Identification Color: White

Continued from preceding page

Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 20' Bar	Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 20' Bar
5/8 x 1 1/2	3.188	63.76	3/4 x 5	12.75	255.0
1 3/4	3.719	74.38	5 1/2	14.03	280.6
2	4.250	85.00	6	15.30	306.0
2 1/4	4.781	95.62	7	17.85	357.0
2 1/2	5.313	106.3	8	20.40	408.0
2 3/4	5.844	116.9	9**	22.97	459.4
3	6.375	127.5	10**	25.53	510.6
3 1/4	6.906	138.1	12**	30.63	612.6
3 1/2	7.438	148.8	7/8 x 1	2.975	59.50
3 3/4	7.968	159.4	1 1/2	4.463	89.26
4	8.500	170.0	1 3/4	5.206	104.1
4 1/2	9.563	191.3	2	5.950	119.0
5	10.63	212.6	2 1/2	7.438	148.8
5 1/2	11.69	233.8	2 3/4	8.181	163.6
6	12.75	255.0	3	8.925	178.5
7	14.88	297.6	3 1/2	10.41	208.2
8	17.00	340.0	4	11.90	238.0
3/4 x 1	2.550	51.00	4 1/2	13.39	267.8
1 1/8	2.869	57.38	5	14.88	297.6
1 1/4	3.188	63.76	6	17.85	357.0
1 1/2	3.825	76.50	7	20.83	416.6
1 3/4	4.463	89.26	8	23.80	476.0
2	5.100	102.0	1 x 1 1/4	4.250	85.00
2 1/4	5.738	114.8	1 1/2	5.100	102.0
2 1/2	6.375	127.5	1 3/4	5.950	119.0
2 3/4	7.013	140.3	2	6.800	136.0
3	7.650	153.0	2 1/4	7.650	153.0
3 1/4	8.288	165.8	2 1/2	8.500	170.0
3 1/2	8.925	178.5	2 3/4	9.350	187.0
4	10.20	204.0	3	10.20	204.0
4 1/2	11.48	229.6	3 1/4	11.05	221.0
			3 1/2	11.90	238.0

* Also available Pickled Dry or Oiled,
Mechanically Descaled Dry or Oiled, or Galvanized

** Universal Mill Plate (Mill Edge) — Ends Plain

Continued on following page



STEEL FLATS* HOT ROLLED

ASTM A 36 ASME SA-36

ASTM A 709 Grade 36

Random Lengths 20 Ft.

Identification Color: White

Continued from preceding page

Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 20' Bar	Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 20' Bar
1 x 4	13.60	272.0	1 1/2 x 5	25.50	510.0
4 1/2	15.30	306.0	5 1/2	28.05	561.0
5	17.00	340.0	6	30.60	612.0
5 1/2	18.70	374.0	8	40.80	816.0
6	20.40	408.0	10**	51.05	1021.0
7	23.80	476.0	12**	61.26	1225.2
8	27.20	544.0	1 3/4 x 2	11.90	238.0
9**	30.63	612.6	2 1/2	14.88	297.6
10**	34.03	680.6	3	17.85	357.0
12**	40.84	816.8	3 1/2	20.83	416.6
1 1/8 x 2	7.650	153.0	4	23.80	476.0
2 1/2	9.56	191.2	4 1/2	26.78	535.6
4	15.30	306.0	5	29.75	595.0
1 1/4 x 1 1/2	6.375	127.5	6	35.70	714.0
1 3/4	7.438	148.8	2 x 2 1/4	15.30	306.0
2	8.500	170.0	2 1/2	17.00	340.0
2 1/4	9.563	191.3	3	20.40	408.0
2 1/2	10.63	212.6	3 1/2	23.80	476.0
2 3/4	11.69	233.8	4	27.20	544.0
3	12.75	255.0	4 1/2	30.60	612.0
3 1/4	13.81	276.2	5	34.00	680.0
3 1/2	14.88	297.6	6	40.80	816.0
4	17.00	340.0	8	54.40	1088.0
4 1/2	19.13	382.6	2 1/4 x 4	30.60	612.0
5	21.25	425.0	2 1/2 x 3	25.50	510.0
5 1/2	23.38	467.6	3 1/2	29.75	595.0
6	25.50	510.0	4	34.00	680.0
8	34.00	680.0	4 1/2	38.25	765.0
1 1/2 x 1 3/4	8.925	178.5	5	42.50	850.0
2	10.20	204.0	6	51.00	1020.0
2 1/4	11.48	229.6	3 x 4	40.80	816.0
2 1/2	12.75	255.0	5	51.00	1020.0
2 3/4	14.03	280.6	6	61.20	1224.0
3	15.30	306.0			
3 1/2	17.85	357.0			
4	20.40	408.0			
4 1/2	22.95	459.0			

*Also available Pickled Dry or Oiled, Mechanically Descaled Dry or Oiled, or Galvanized
 **Universal Mill Plate (Mill Edge) — Ends Plain

STEEL FLATS HOT ROLLED



M1044 — Merchant Quality (.40 to .50 Carbon) ASTM A 575

M1044 Not Recommended for Heat Treating

Random Lengths 20 Ft.
Identification Color: Yellow

Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 20' Bar	Size in Inches	Lbs. Per Ft.	Est. Lbs. Per 20' Bar			
1/4 x	1	.8500	17.00	5/8 x	1 1/2	3.188	63.76	
	1 1/4	1.063	21.26		2	4.250	85.00	
	1 1/2	1.275	25.50		2 1/2	5.313	106.3	
	1 3/4	1.488	29.76		3	6.375	127.5	
	2	1.700	34.00		4	8.500	170.0	
	2 1/4	1.913	38.25		4 1/2	9.563	191.3	
	2 1/2	2.125	42.50		5	10.63	212.6	
	3	2.550	51.00		6	12.75	255.0	
	4	3.400	68.00		3/4 x	1 1/2	3.825	76.5
	5	4.250	85.00			2	5.100	102.0
	6	5.100	102.0			2 1/2	6.375	127.5
5/16 x	1 1/2	1.594	31.88	3	7.650	153.0		
	3 1/2	3.719	74.38	3 1/2	8.925	178.5		
3/8 x	1	1.275	25.50	4	10.20	204.0		
	1 1/4	1.594	31.88	6	15.30	306.0		
	1 1/2	1.913	38.26	7/8 x	3	8.925	178.5	
	2	2.550	51.00		1 x	1 1/2	5.100	102.0
	2 1/4	2.869	57.38		2	6.800	136.0	
	2 1/2	3.188	63.76	2 1/2	8.500	170.0		
	3	3.825	76.50	3	10.20	204.0		
	3 1/2	4.463	89.26	4	13.60	272.0		
	4	5.100	102.0	5	17.00	340.0		
	4 1/2	5.738	114.8	6	20.40	408.0		
	5	6.375	127.5	1 1/4 x	2 1/2	10.63	212.6	
6	7.650	153.0	3		12.75	255.0		
1/2 x	1	1.700	34.00		5	21.25	425.0	
	1 1/4	2.125	42.50	1 1/2 x	2	10.20	204.0	
	1 1/2	2.550	51.00		2 1/2	12.75	255.0	
	2	3.400	68.00		3	15.30	306.0	
	2 1/4	3.825	76.50		4	20.40	408.0	
	2 1/2	4.250	85.00		5	25.50	510.0	
	3	5.100	102.0	1 3/4 x	2 1/2	14.88	297.6	
	3 1/2	5.950	119.0		2 x	3	20.40	408.0
	4	6.800	136.0					
	5	8.500	170.0					
	6	10.20	204.0					