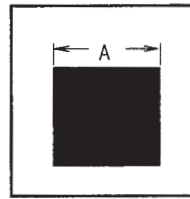


SQUARE BAR

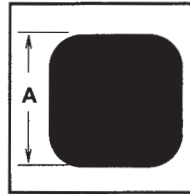
- A36 HOT ROLLED
STOCK LENGTH: 20 ft
- 1018 COLD FINISHED
STOCK LENGTH: 12 ft



SIZE Inches	WEIGHT - POUNDS			SIZE Inches	WEIGHT - POUNDS		
	Per Foot	12 ft	20 ft		Per Foot	12 ft	20 ft
$\frac{3}{16}$	.120	1.44	2.40	$\frac{1}{8}$	4.303	51.48	86.06
$\frac{1}{4}$	.213	2.56	4.26	$\frac{1}{4}$	5.313	63.76	106.26
$\frac{5}{16}$	.332	3.98	6.64	$\frac{3}{8}$	6.428	77.14	128.56
$\frac{3}{8}$	.478	5.74	9.56	$\frac{1}{2}$	7.650	91.80	153.00
$\frac{7}{16}$	.651	7.81	13.02	$\frac{5}{8}$	8.978	107.74	179.56
$\frac{1}{2}$	.850	10.20	17.00	$\frac{3}{4}$	10.413	124.92	208.26
$\frac{9}{16}$	1.076	12.91	21.52	$\frac{7}{8}$	11.953	143.40	239.06
$\frac{5}{8}$	1.328	15.94	26.56	2	13.600	163.20	272.00
$\frac{3}{4}$	1.913	22.96	38.26	$2\frac{1}{4}$	17.213	206.52	344.26
$\frac{7}{8}$	2.603	31.24	52.06	$2\frac{1}{2}$	21.250	255.00	425.00
1	3.400	40.80	68.00	$2\frac{3}{4}$	25.713	308.52	514.26

TUL BAR - Solid

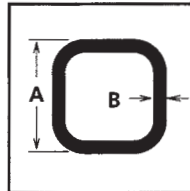
- $2\frac{1}{4}$ INCH SQUARE
- SPECIAL QUALITY
- 1070 HOT ROLLED
STOCK LENGTHS: 21, 28, 32, & 42 ft



SIZE Inches	WEIGHT - POUNDS				
	Per Foot	21 ft	28 ft	32 ft	42 ft
$2\frac{1}{4}$	17.21	361.41	481.88	550.72	722.82

TUL BAR - Hollow

- $2\frac{1}{4} \times 2\frac{1}{4} \times .250$ In
- SPECIAL QUALITY
- ASTM A 500 - 70,000 PSI MIN. YIELD
STOCK LENGTHS: 21, 28, 32, & 42 ft



SIZE Inches	WEIGHT - POUNDS				
	Per Foot	21 ft	28 ft	32 ft	42 ft
$2\frac{1}{4}$	7.01	147.21	196.28	224.32	294.42

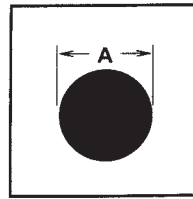
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ROUND BAR

- 1020 HOT ROLLED
 - 1018 COLD FINISHED
 - 1144 STRESS RELIEVED - *selected sizes*
- STOCK LENGTHS: 12 ft & 20 ft



SIZE			WEIGHT - POUNDS			SIZE			WEIGHT - POUNDS		
Inches	Per Foot	20 ft	Inches	Per Foot	20 ft	Inches	Per Foot	20 ft	Inches	Per Foot	20 ft
1/8	.042	0.84	2	10.681	213.62	2 1/16	11.360	227.20	2 1/8	12.058	241.06
3/16	.094	1.88	2 1/8	12.058	241.06	2 3/16	12.778	255.56	2 1/4	13.519	270.38
1/4	.167	3.34	2 3/8	15.063	301.26	2 5/16	14.280	285.60	2 3/8	15.063	301.26
5/16	.261	5.22	2 7/16	15.866	317.32	2 7/8	18.400	368.00	2 7/16	15.866	317.32
3/8	.376	7.52	2 1/2	16.690	333.80	2 9/16	17.535	350.70	2 1/2	16.690	333.80
7/16	.511	10.22	2 5/8	18.400	368.00	2 11/16	19.287	385.74	2 5/8	18.400	368.00
1/2	.668	13.36	2 3/4	20.195	403.90	2 13/16	21.123	422.46	2 3/4	20.195	403.90
9/16	.845	16.90	2 13/16	21.123	422.46	2 7/8	22.072	441.42	2 13/16	21.123	422.46
5/8	1.043	20.86	2 7/8	22.072	441.42	2 15/16	23.042	460.84	2 7/8	22.072	441.42
1 1/16	1.262	25.24	3	24.033	480.66	3 1/4	28.206	564.12	3	24.033	480.66
3/4	1.502	30.04	3 1/4	28.206	564.12	3 3/8	30.417	608.34	3 1/4	28.206	564.12
13/16	1.763	35.26	3 3/8	30.417	608.34	3 1/2	32.712	654.24	3 3/8	30.417	608.34
7/8	2.044	40.88	3 1/2	32.712	654.24	3 3/4	37.552	751.04	3 1/2	32.712	654.24
15/16	2.347	46.94	3 3/4	37.552	751.04	3 15/16	41.401	828.02	3 3/4	37.552	751.04
1	2.670	53.40	4	42.726	854.52	4 1/4	48.233	964.66	4	42.726	854.52
1 1/16	3.015	60.30	4 1/4	48.233	964.66	4 1/2	54.075	1081.50	4 1/4	48.233	964.66
1 1/8	3.379	67.58	4 1/2	54.075	1081.50	4 3/4	60.250	1205.00	4 1/2	54.075	1081.50
1 3/16	3.766	75.32	4 3/4	60.250	1205.00	5	66.759	1335.18	4 3/4	60.250	1205.00
1 1/4	4.173	83.46	5	66.759	1335.18	5 1/2	80.778	1615.56	5	66.759	1335.18
1 5/16	4.600	92.00	5 1/2	80.778	1615.56	6	96.130	1922.60	5 1/2	80.778	1615.56
1 3/8	5.049	100.98	6	96.130	1922.60				6	96.130	1922.60
1 7/16	5.518	110.36									
1 1/2	6.008	120.16									
1 9/16	6.520	130.40									
1 5/8	7.051	141.02									
1 11/16	7.604	152.08									
1 3/4	8.178	163.56									
1 13/16	8.773	175.46									
1 7/8	9.388	187.76									
1 15/16	10.024	200.48									

TYPICAL MECHANICAL PROPERTIES

GRADE	TENSILE STRENGTH (psi)	YIELD POINT (psi)	MACHINABILITY RATING (CD 1112 = 100%)	HARDNESS
1020	58,000	38,000	52%	116 BHN
1018	64,000	54,000	66%	126 BHN
1144	132,300	100,000	83%	250 BHN

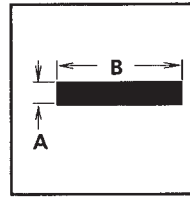
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UNIVERSAL MILL PLATE

- A 36 HOT ROLLED
- STOCK LENGTH: 20 ft



SIZE			WEIGHT - POUNDS			SIZE			WEIGHT - POUNDS		
Inches	Per Foot	20 ft	Inches	Per Foot	20 ft	Inches	Per Foot	20 ft	Inches	Per Foot	20 ft
1/4 x 9	7.65	153.0	5/8 x 9	19.13	382.6	10	21.25	425.0	12	25.50	510.0
	8.50	170.0		12	29.75		595.0				
	10	204.0		14	34.00		680.0				
	12	238.0		16	38.25		765.0				
	14	272.0		18	42.50		850.0				
	16	306.0		20	45.90		918.0				
5/16 x 9	9.56	191.2	3/4 x 9	22.95	459.0	10	25.50	510.0	12	30.60	612.0
	10.63	212.6		12	35.70		714.0				
	12	255.0		14	40.80		816.0				
	14	297.6		16	45.90		918.0				
	16	340.0		18	51.00		1020.0				
	18	382.6		20	56.10		1122.0				
3/8 x 9	11.48	229.6	1 x 9	30.60	612.0	10	34.00	680.0	12	40.80	816.0
	12.75	255.0		12	47.60		952.0				
	14	306.0		14	54.40		1088.0				
	16	357.0		16	61.20		1224.0				
	18	408.0		18	68.00		1360.0				
	20	459.0		20	74.80		1494.0				
1/2 x 9	15.30	306.0	1 1/4 x 9	38.25	765.0	10	42.50	850.0	12	51.00	1020.0
	17.00	340.0		12	59.50		1190.0				
	12	20.40		14	68.00		1360.0				
	14	23.80		16	77.00		1540.0				
	16	27.20		18	86.00		1720.0				
	18	30.60		20	95.00		1900.0				
5/8 x 9	21.25	425.0	1 1/2 x 9	45.90	918.0	10	51.00	1020.0	12	61.20	1224.0
	22.95	459.0		12	71.40		1428.0				
	25.50	510.0		14	82.00		1640.0				
	28.10	562.0		16	93.00		1860.0				
	30.60	612.0		18	104.00		2080.0				
	33.20	664.0		20	115.00		2300.0				

REINFORCING BARS

- GRADE 40 - SIZES 3 to 5
- GRADE 60 - SIZES 4 to 8
- STOCK LENGTH: 20 ft



BAR NUMBER DESIGNATION	Inches	Per Foot	WEIGHT - POUNDS	
			20 ft	30 ft
3	3/8	.376	7.52	11.28
4	1/2	.668	13.36	20.04
5	5/8	1.043	20.86	31.29
6	3/4	1.502	30.04	45.06
7	7/8	2.044	40.88	61.32
8	1	2.670	53.80	80.10

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FLAT BAR

SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	20 ft		Per Foot	20 ft
$3/8 \times 1/2$	.638	12.75	$3/4 \times 1$	2.550	51.00
$3/4$	.956	19.12	$1 1/4$	3.188	63.76
1	1.275	25.50	$1 1/2$	3.825	76.50
$1 1/4$	1.594	31.88	2	5.100	102.00
$1 1/2$	1.913	38.26	$2 1/2$	6.375	127.50
$1 3/4$	2.231	44.62	3	7.650	153.00
2	2.550	51.00	$3 1/2$	8.925	178.50
$2 1/2$	3.188	63.76	4	10.200	204.00
3	3.825	76.50	$4 1/2$	11.480	229.60
$3 1/2$	4.463	89.26	5	12.750	255.00
4	5.100	102.00	6	15.300	306.00
$4 1/2$	5.738	114.76	7	17.850	357.00
5	6.375	127.50	8	20.400	408.00
6	7.650	153.00			
7	8.925	178.50	1 x $1 1/4$	4.20	85.00
8	10.200	204.00	$1 1/2$	5.10	102.00
			2	6.80	136.00
$1/2 \times 3/4$	1.275	25.50	$2 1/2$	8.50	170.00
1	1.700	34.00	3	10.20	204.00
$1 1/4$	2.125	42.50	$3 1/2$	11.90	238.00
$1 1/2$	2.550	51.00	4	13.60	272.00
$1 3/4$	2.975	59.50	$4 1/2$	15.30	306.00
2	3.400	68.00	5	17.00	340.00
$2 1/2$	4.250	85.00	6	20.40	408.00
3	5.100	102.00	7	23.80	476.00
$3 1/2$	5.950	119.00	8	27.20	544.00
4	6.800	136.00			
$4 1/2$	7.650	153.00	$1 1/4 \times 2$	8.50	170.00
5	8.500	170.00	$2 1/2$	10.63	212.60
6	10.200	204.00	3	12.75	255.00
7	11.900	238.00	$3 1/2$	14.88	297.60
8	13.600	272.00	4	17.00	340.00
			$4 1/2$	19.13	382.60
$5/8 \times 3/4$	1.594	31.88	5	21.25	425.00
1	2.125	42.50	6	25.50	510.00
$1 1/4$	2.656	53.12	7	29.75	595.00
$1 1/2$	3.188	63.76	8	34.00	680.00
$1 3/4$	3.719	74.38			
2	4.250	85.00	$1 1/2 \times 2$	10.20	204.00
$2 1/2$	5.313	106.26	$2 1/2$	12.75	255.00
3	6.375	127.50	3	15.30	306.00
$3 1/2$	7.438	148.76	$3 1/2$	17.85	357.00
4	8.500	170.00	4	20.40	408.00
$4 1/2$	9.563	191.26	$4 1/2$	22.95	459.00
5	10.630	212.60	5	25.50	510.00
6	12.750	255.00	6	30.60	612.00
7	14.880	297.60	7	35.70	714.00
8	17.000	340.00	8	40.80	816.00

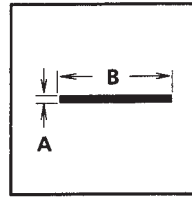
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STRIP

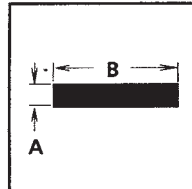
- HOT ROLLED - CARBON STEEL
- STOCK LENGTH: 20 ft



SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	20 ft		Per Foot	20 ft
1/8 x 1/2	.213	4.26	3/16 x 1/2	.319	6.38
3/4	.319	6.38	3/4	.478	9.56
1	.425	8.50	1	.638	12.76
1 1/4	.531	10.62	1 1/4	.797	15.94
1 1/2	.638	12.76	1 1/2	.956	19.12
1 3/4	.744	14.88	1 3/4	1.116	22.32
2	.850	17.00	2	1.275	25.50
2 1/2	1.063	21.26	2 1/2	1.594	31.88
3	1.275	25.50	3	1.913	38.26
3 1/2	1.488	29.76	3 1/2	2.231	44.62
4	1.700	34.00	4	2.550	51.00
4 1/2	1.913	38.26	4 1/2	2.869	57.38
5	2.125	42.50	5	3.188	63.76
6	2.550	51.00	6	3.825	76.50
7	2.975	59.50	7	4.463	89.26
8	3.400	68.00	8	5.100	102.00
10	4.250	85.00	10	6.375	127.50
12	5.100	102.00	12	7.650	153.00

FLAT BAR

- A 36 HOT ROLLED
- 1055 HOT ROLLED PLOW - *selected sizes*
- STOCK LENGTH: 20 ft



SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	20 ft		Per Foot	20 ft
1/4 x 1/2	.425	8.50	5/16 x 1/2	.531	10.62
3/4	.638	12.76	3/4	.797	15.94
1	.850	17.00	1	1.063	21.26
1 1/4	1.063	21.26	1 1/4	1.328	26.56
1 1/2	1.275	25.50	1 1/2	1.594	31.88
1 3/4	1.488	29.76	1 3/4	1.859	37.18
2	1.700	34.00	2	2.125	42.50
2 1/4	1.913	38.26	2 1/2	2.656	53.12
2 1/2	2.125	42.50	3	3.188	63.76
3	2.550	51.00	3 1/2	3.719	74.38
3 1/2	2.975	59.50	4	4.250	85.00
4	3.400	68.00	4 1/2	4.781	95.62
4 1/2	3.825	76.50	5	5.313	106.26
5	4.250	85.00	6	6.375	127.50
6	5.100	102.00	7	7.438	148.76
7	5.950	119.00	8	8.500	170.00
8	6.800	136.00			

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