

C1018

A basic cold finished steel of the low carbon range of 0.15 - 0.2 with a medium manganese content. The bars have a commercial bright smooth surface finish and are easily welded and cold formed. They are produced to close tolerances that allow them to be incorporated directly into finished products. As they possess good carburizing properties and have good machinability they are suitable for general shafting and for applications that do not require the greater strength of higher carbon or alloy steels.

Size in Inches	Approx. Weight Per Foot	Weight Per Bar	Size in Inches	Approx. Weight Per Foot	Weight Per Bar
1/8*	0.042	0.42	1 1/16	7.6	152.0
3/16*	0.094	0.94	1 3/4	8.18	163.6
1/4*	0.167	1.67	1 7/8	9.39	187.8
5/16*	0.261	2.61	1 5/16	10.02	200.4
3/8*	0.376	3.76	2	10.68	213.6
7/16	0.511	10.22	2 1/8	12.06	241.2
1/2	0.668	13.36	2 3/16	12.78	255.6
9/16	0.845	16.9	2 1/4	13.52	270.4
5/8	1.04	20.8	2 5/16	14.29	285.8
1 1/16	1.26	25.2	2 3/8	15.06	301.2
3/4	1.50	30.0	2 7/16	15.87	317.4
13/16	1.76	35.2	2 1/2	16.69	333.8
7/8	2.04	40.8	2 3/4	20.2	404.0
15/16	2.35	47.0	2 15/16	23.04	460.8
1	2.67	53.4	3	24.03	480.6
1 1/16	3.01	60.2	3 1/4	28.21	564.2
1 1/8	3.38	67.6	3 7/16	31.55	631.0
1 3/16	3.77	75.4	3 1/2	32.71	654.2
1 1/4	4.17	83.4	3 15/16	41.4	828.0
1 5/16	4.60	92.0	4	42.73	854.6
1 3/8	5.05	101.0	4 1/4	48.23	964.6
1 7/16	5.52	110.4	4 7/16	52.58	1051.6
1 1/2	6.01	120.2	4 15/16	65.1	1302.0
1 9/16	6.52	130.4	5	66.76	1335.2
1 5/8	7.05	141.0	5 1/16	94.14	1882.8

STOCK LENGTHS

*3/8" and under - Random 10 to 12 Feet
 7/16" and over - Random 20 Feet

24 Foot Lengths available in some sizes.
 Please contact our Sales Department.

Cold Finished Rounds



ASTM A108 - C1018

Cold Finished Flats

Size in Inches	Weight Per Foot	Weight Per 10' Bar	Size in Inches	Weight Per Foot	Weight Per 10' Bar		
1/8 x	3/8	0.159	1.59	3/8 x	1/2	0.638	6.38
	1/2	0.213	2.13		5/8	0.797	7.97
	5/8	0.266	2.66		3/4	0.956	9.56
	3/4	0.319	3.19		7/8	1.12	11.2
	7/8	0.372	3.72		1	1.28	12.8
	1	0.425	4.25		1 1/4	1.59	15.9
	1 1/4	0.531	5.31		1 1/2	1.91	19.1
	1 1/2	0.638	6.38		1 3/4	2.23	22.3
	2	0.85	8.5		2	2.55	25.5
3/16 x	3/8	0.239	2.39		2 1/2	3.19	31.9
	1/2	0.319	3.19		3	3.83	38.3
	5/8	0.398	3.98		4	5.1	51.0
	3/4	0.478	4.78		5	6.375	63.75
	1	0.638	6.38		6	7.65	76.5
	1 1/4	0.797	7.97	7/16 x	1/2	0.744	7.44
	1 1/2	0.956	9.56		5/8	1.06	10.6
	2	1.28	12.8	3/4	1.28	12.8	
	2 1/2	1.59	15.9	7/8	1.49	14.9	
3	1.91	19.1	1/2 x	1	1.7	17.0	
4	2.55	25.5		1 1/4	2.13	21.3	
1/4 x	3/8	0.319		3.19	1 1/2	2.55	25.5
	1/2	0.425		4.25	1 3/4	2.97	29.7
	5/8	0.531		5.31	2	3.4	34.0
	3/4	0.638		6.38	2 1/2	4.25	42.5
	7/8	0.744		7.44	3	5.1	51.0
	1	0.85		8.5	3 1/2	5.95	59.5
	1 1/4	1.06		10.6	4	6.8	68.0
	1 1/2	1.28		12.8	5	8.5	85.0
	2	1.7	17.0	6	10.2	102.0	
	2 1/2	2.13	21.3	5/8 x	3/4	1.59	15.9
3	2.55	25.5	7/8		1.86	18.6	
4	3.4	34.0	1		2.13	21.3	
6	5.1	51.0	1 1/4		2.66	26.6	
5/16 x	1/2	0.531	5.31		1 1/2	3.19	31.9
	3/4	0.797	7.97		2	4.25	42.5
	1	1.06	10.6		2 1/2	5.31	53.1
	1 1/2	1.59	15.9		3	6.38	63.8
	2	2.13	21.3	4	8.5	85.0	

STOCK LENGTHS

Random 10 to 12 Feet



FLATS
ASTM A108 - C1018

Size in Inches		Weight Per Foot	Weight Per 10' Bar	Size in Inches		Weight Per Foot	Weight Per 10' Bar
¾ x	7/8	2.23	22.3	1 x	2	6.8	68.0
	1	2.55	25.5		2½	8.5	85.0
	1¼	3.19	31.9		3	10.2	102.0
	1½	3.83	38.3		4	13.6	136.0
	2	5.1	51.0		6	20.4	204.0
	2½	6.38	63.8	1¼ x	2	8.5	85.0
	3	7.65	76.5		3	12.75	127.5
	3½	8.93	89.33		4	17.02	170.2
	4	10.2	102.0		5	20.25	202.5
	5	12.75	127.5	1½ x	2	10.21	102.1
	6	15.3	153.0		2½	12.76	127.6
	8	20.4	204.0		3	15.31	153.1
1 x	1¼	4.25	42.5		4	20.42	204.2
1 x	1½	5.1	51.0	5	25.52	255.2	
1 x	1¾	5.95	59.5	2 x	3	20.4	204.0

STOCK LENGTHS

Random 10 to 12 Feet

For larger sizes not shown, please contact our Sales Department.

SQUARES
ASTM A108 - C1018

Size in Inches	Weight Per Foot	Weight Per 10' Bar	Size in Inches	Weight Per Foot	Weight Per 10' Bar
1/8	0.053	0.53	1	3.4	34.00
3/16	0.12	1.2	1½	4.3	43.00
¼	0.213	2.13	1¼	5.31	53.10
5/16	0.332	3.32	1¾	6.43	64.30
¾	0.478	4.78	1½	7.65	76.50
7/16	0.651	6.51	1⅝	8.98	89.90
½	0.85	8.5	1¾	10.41	104.10
9/16	1.08	10.8	2	13.6	136.00
5/8	1.33	13.3	2¼	17.21	172.10
11/16	1.607	16.07	2½	21.25	212.50
¾	1.91	19.1	3	30.6	306.00
7/8	2.6	26.0	3½	41.69	416.90
			4	54.45	544.50

STOCK LENGTHS

Random 10 to 12 Feet

Cold Finished Flats / Squares



High Strength Turned, Ground and Polished Shafting
 AISI C1045/C1050

Size in Inches	Weight Per Foot	Weight Per Bar	Size in Inches	Weight Per Foot	Weight Per Bar
1/2	0.668	6.68	2 3/8	15.06	301.2
5/8	1.04	20.8	2 7/16	15.87	317.4
3/4	1.5	30.0	2 1/2	16.69	333.8
7/8	2.04	40.8	2 11/16	19.29	385.8
1	2.67	53.4	2 3/4	20.2	404.0
1 1/8	3.38	67.6	2 5/8	23.04	460.8
1 3/16	3.77	75.4	3	24.03	480.6
1 1/4	4.17	83.4	3 1/4	28.21	564.2
1 3/8	5.05	101.0	3 7/16	31.55	631.0
1 7/16	5.52	110.4	3 1/2	32.71	654.2
1 1/2	6.01	120.2	3 5/8	41.4	828.0
1 5/8	7.05	141.0	4	42.73	854.6
1 11/16	7.6	152.0	4 7/16	52.58	1051.6
1 3/4	8.18	163.6	4 1/2	54.08	1081.6
1 5/8	10.02	200.4	4 5/8	65.1	1302.0
2	10.68	213.6	5 1/16	78.95	1579.0
2 3/16	12.78	255.6	5 1/8	94.14	1882.8
2 1/4	13.52	270.4			

STOCK LENGTHS

1/2" and under - Random 10 to 12 Feet
 5/8" and over - Random to 24 Feet
 Sizes 1 1/4" and over are packaged in individual fibre tubes.

