

GHIA STEEL – Cold Finished Bars (Sizes & Weights)

Rounds, squares, and flats supplied in common cold-finished grades for machining and industrial applications (e.g., 1018, 1045, 12L14, and 1045 TG&P;).

Weights shown are per foot. Flats are theoretical weights using 0.2836 lb/in³; actual weights may vary by tolerances.

Generated: 2026-01-01

Cold Finished Rounds

Size (in.)	Weight (lb/ft)
1/16	25.04
1/8	26.08
3/16	27.13
1/4	28.21
5/16	29.3
5/8	18.4
5/8	1.04
11/16	19.29
11/16	1.26
3/4	20.2
3/4	1.5
13/16	21.12
13/16	1.76
7/8	22.07
7/8	2.04
15/16	23.04
15/16	2.35
1	2.67
1-1/16	3.01
1-1/8	3.38
1-3/16	3.77
1-1/4	4.17
1-5/16	4.6
1-3/8	5.05
1-7/16	5.52
1-1/2	6.01

Size (in.)	Weight (lb/ft)
1-9/16	6.52
1-5/8	7.05
1-11/16	7.6
1-3/4	8.18
1-13/16	8.77
1-7/8	9.39
1-15/16	10.02
2	10.68
2-1/16	11.36
2-1/8	12.06
2-3/16	12.78
22/10	1
2-1/4	13.52
2-5/16	14.28
2-3/8	15.06
2-7/16	15.87
2-1/2	16.69
2-9/16	17.53
03	11
3-3/8	30.42
3-7/16	31.55
3-1/2	32.71
3-9/16	33.89
3-5/8	35.09
3-11/16	36.21
3-3/4	37.55
3-13/16	38.81
3-7/8	40.1
3-15/16	41.4
4	42.73
4-1/8	45.44
4-3/16	46.83
4-1/4	48.23

Size (in.)	Weight (lb/ft)
4-5/16	49.66
4-3/8	51.11
4-7/16	52.58
4-1/2	54.07
4-9/16	55.59
4-5/8	57.12
4-11/16	58.67
4-3/4	60.25
4-7/8	63.46
4-15/16	65.1
5	66.76
5-1/8	70.14
5-1/4	73.6
5-5/16	94.14
5-7/16	78.95
5-1/2	80.78
5-3/4	88.3
6	96.13

Cold Finished Squares

Size (in.)	Weight (lb/ft)
5/8	1.33
11/16	1.61
3/4	1.91
13/16	2.25
7/8	2.6
15/16	2.99
1	3.4
1-1/16	3.84
1-1/8	4.3
1-3/16	4.8
1-1/4	5.31
1-5/16	5.86
1-3/8	6.43
1-7/16	7.03
1-1/2	7.65
1-5/8	8.98
1-3/4	10.41
1-7/8	11.95
2	13.6
2-1/8	15.35
22/10	1
2-1/4	17.21
2-3/8	19.18
2-1/2	21.25
2-5/8	23.43
2-3/4	25.71
3	30.6
3-1/2	41.65
4	54.4

Cold Finished Flats (AISI 1018/1020)

Standard thicknesses shown below with common widths. (Weight = thickness × width × 12 × density)

Thickness: 0.125 in.

Width (in.)	Weight (lb/ft)
0.375	0.16
0.5	0.213
0.625	0.266
0.75	0.319
0.875	0.372
1	0.425
1.25	0.532
1.5	0.638
1.75	0.744
2	0.851
2.25	0.957
2.5	1.064
3	1.276
3.5	1.489
4	1.702
5	2.127
6	2.552
8	3.403
10	4.254
12	5.105

Thickness: 0.1875 in.

Width (in.)	Weight (lb/ft)
0.375	0.239
0.5	0.319
0.625	0.399
0.75	0.479
0.875	0.558
1	0.638

Width (in.)	Weight (lb/ft)
1.25	0.798
1.5	0.957
1.75	1.117
2	1.276
2.25	1.436
2.5	1.595
3	1.914
3.5	2.233
4	2.552
5	3.191
6	3.829
8	5.105
10	6.381
12	7.657

Thickness: 0.25 in.

Width (in.)	Weight (lb/ft)
0.375	0.319
0.5	0.425
0.625	0.532
0.75	0.638
0.875	0.744
1	0.851
1.25	1.064
1.5	1.276
1.75	1.489
2	1.702
2.25	1.914
2.5	2.127
3	2.552
3.5	2.978
4	3.403
5	4.254

Width (in.)	Weight (lb/ft)
6	5.105
8	6.806
10	8.508
12	10.21

Thickness: 0.3125 in.

Width (in.)	Weight (lb/ft)
0.375	0.399
0.5	0.532
0.625	0.665
0.75	0.798
0.875	0.931
1	1.064
1.25	1.329
1.5	1.595
1.75	1.861
2	2.127
2.25	2.393
2.5	2.659
3	3.191
3.5	3.722
4	4.254
5	5.318
6	6.381
8	8.508
10	10.64
12	12.76

Thickness: 0.375 in.

Width (in.)	Weight (lb/ft)
0.375	0.479
0.5	0.638
0.625	0.798

Width (in.)	Weight (lb/ft)
0.75	0.957
0.875	1.117
1	1.276
1.25	1.595
1.5	1.914
1.75	2.233
2	2.552
2.25	2.871
2.5	3.191
3	3.829
3.5	4.467
4	5.105
5	6.381
6	7.657
8	10.21
10	12.76
12	15.31

Thickness: 0.5 in.

Width (in.)	Weight (lb/ft)
0.375	0.638
0.5	0.851
0.625	1.064
0.75	1.276
0.875	1.489
1	1.702
1.25	2.127
1.5	2.552
1.75	2.978
2	3.403
2.25	3.829
2.5	4.254
3	5.105

Width (in.)	Weight (lb/ft)
3.5	5.956
4	6.806
5	8.508
6	10.21
8	13.61
10	17.02
12	20.42

Thickness: 0.625 in.

Width (in.)	Weight (lb/ft)
0.375	0.798
0.5	1.064
0.625	1.329
0.75	1.595
0.875	1.861
1	2.127
1.25	2.659
1.5	3.191
1.75	3.722
2	4.254
2.25	4.786
2.5	5.318
3	6.381
3.5	7.445
4	8.508
5	10.64
6	12.76
8	17.02
10	21.27
12	25.52

Thickness: 0.75 in.

Width (in.)	Weight (lb/ft)
0.375	0.957
0.5	1.276
0.625	1.595
0.75	1.914
0.875	2.233
1	2.552
1.25	3.191
1.5	3.829
1.75	4.467
2	5.105
2.25	5.743
2.5	6.381
3	7.657
3.5	8.933
4	10.21
5	12.76
6	15.31
8	20.42
10	25.52
12	30.63

Thickness: 0.875 in.

Width (in.)	Weight (lb/ft)
0.375	1.117
0.5	1.489
0.625	1.861
0.75	2.233
0.875	2.606
1	2.978
1.25	3.722
1.5	4.467
1.75	5.211
2	5.956

Width (in.)	Weight (lb/ft)
2.25	6.7
2.5	7.445
3	8.933
3.5	10.42
4	11.91
5	14.89
6	17.87
8	23.82
10	29.78
12	35.73

Thickness: 1 in.

Width (in.)	Weight (lb/ft)
0.375	1.276
0.5	1.702
0.625	2.127
0.75	2.552
0.875	2.978
1	3.403
1.25	4.254
1.5	5.105
1.75	5.956
2	6.806
2.25	7.657
2.5	8.508
3	10.21
3.5	11.91
4	13.61
5	17.02
6	20.42
8	27.23
10	34.03
12	40.84