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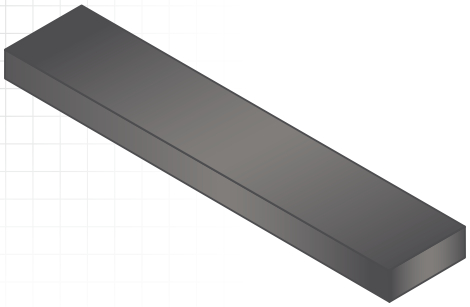
# GROUND STOCK

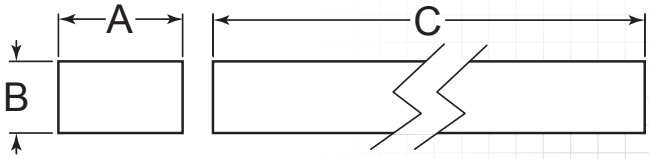
## DESCRIPTION

Ground stock is annealed rectangular or square steel that has been ground to close tolerance for use in a wide range of industries. Once shaped, ground stock may be heat treated to harden. To learn more about heat treating, visit huyett.com/catalogs to download a copy of our *Engineering Handbook*.

## HOW TO IDENTIFY

1. Measure thickness (B).
2. Measure width (A).
3. Measure length (C).
4. Build the part number from the chart on the next page.






## PREFIX MATERIAL/FINISH

| | | |
|---|---|---|
| GS01 | = | O1* (Oil-hardening Steel) |
| GS02 | = | O1* (Oil-hardening Steel), Oversize |
| GS10 | = | D2* (High-chrome Air-hardening Steel) |
| GS11 | = | D2* (High-chrome Air-hardening Steel), Oversize |
| GS20 | = | S7* (Shock-resistant Air-hardening Steel), Oversize |
| GS30 | = | Cold Finished Carbon Steel, Plain* (1018) |
| GS41 | = | A2* (Air-hardening Steel) |
| GS42 | = | A2* (Air-hardening Steel), Oversize |
| GS50 | = | M2* (High-speed Steel) |
| GS60 | = | Cold Finished Alloy Steel, Plain* (4142) |
| GS61 | = | Cold Finished Alloy Steel, Plain* (4142), Oversize |
| GS70 | = | O6* (Oil-hardening Steel) |
| GS90 | = | 410 Stainless Steel, Plain |
| GS91 | = | 440C Stainless Steel, Plain, Oversize |

Material/finish combinations may not be available in all sizes.

### THICKNESS (B) AND WIDTH (A) TOLERANCES

| MATERIAL | | SQUARE | | RECTANGLE | |
|---|---|---|---|---|---|
| *(Prefix)* | *(Material/Finish)* | *(Size Range)* | *(Tolerance)* | *(Size Range)* | *(Tolerance)* |
| Standard | | | | | |
| GS01 | O1* (Oil-hardening Steel) | All Sizes | ±.0010" | *(Thickness Size)* All Sizes *(Width Size)* All Sizes | ±.0010" +0/-.0050" |
| GS10 | D2* (High-chrome Air-hardening Steel) | | | | |
| GS30 | Cold Finished Steel, Plain* (1018) | | | | |
| GS41 | A2* (Air-hardening Steel) | | | | |
| GS50 | M2* (High-speed Steel) | | | | |
| GS60 | Cold Finished Alloy Steel, Plain* (4142) | | | | |
| GS70 | O6* (Oil-hardening Steel) | | | | |
| GS90 | 410 Stainless Steel, Plain | | | | |
| Oversize | | | | | |
| GS02 | O1* (Oil-hardening Steel) | All Sizes | +.0100/+.0150" | *(Thickness Size)* All Sizes *(Width Size)* All Sizes | +.0100/+.0150" +.0100/+.0150" |
| GS11 | D2* (High-chrome Air-hardening Steel) | | | | |
| GS20 | S7* (Shock-resistant Air-hardening Steel) | | | | |
| GS42 | A2* (Air-hardening Steel) | | | | |
| GS61 | Cold Finished Alloy Steel, Plain* (4142) | | | | |
| GS91 | 440C Stainless Steel, Plain | | | | |

### LENGTH (C) TOLERANCES

| LENGTH | | TOLERANCE |
|---|---|---|
| *(Suffix)* | *(Length)* | *(Tolerance)* |
| -12 | 12" (1') | +.1250/-.250" |
| -18 | 18" (1-1/2') | |
| -24 | 24" (2') | +.1875/+.3750" +.5000/-0" (Stainless) |
| -36 | 36" (3') | +.2500/+.5000" |
| -60 | 60" (5') | +1.0000/-0" |

Nonstandard lengths up to 60" are available. Lengths over 3' may be subject to a packaging charge.

GROUND FLAT STOCK CAN BE PRODUCED IN MANY HEIGHT, WIDTH, AND LENGTH COMBINATIONS

FOR DETAILED SPECIFICATIONS AND TOLERANCES, VISIT HUYETT.COM.

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**Limited warranty for surface finish: 30 days from date of shipment. See page 12 for details.*

# GROUND STOCK

## HOW TO BUILD A PART NUMBER

**GS0100460312-36**

| ITEM PREFIX | (B) THICKNESS | (A) WIDTH | (C) LENGTH |
|---|---|---|---|
| | 1/64" to 2" | 1/8" to 14" | 12" to 60" |
| GS01 | 0046 | 0312 | -36 |
| TO ORDER CHOOSE YOUR MATERIAL, | CHOOSE YOUR THICKNESS, | CHOOSE YOUR WIDTH, | CHOOSE YOUR LENGTH. |

| CODE | MATERIAL |
|---|---|
| GS01 | O1* (Oil-hardening Steel) |
| GS02 | O1* (Oil-hardening Steel), Oversize |
| GS10 | D2* (High-chrome Air-hardening Steel) |
| GS11 | D2* (High-chrome Air-hardening Steel), Oversize |
| GS20 | S7* (Shock-resistant Air-Hardening Steel) |
| GS30 | Cold Finished Steel, Plain* (1018) |
| GS41 | A2* (Air-hardening Steel) |
| GS42 | A2* (Air-hardening Steel), Oversize |
| GS50 | M2* (High-speed Steel) |
| GS60 | Cold Finished Alloy Steel, Plain* (4142) |
| GS61 | Cold Finished Alloy Steel, Plain* (4142), Oversize |
| GS70 | O6* (Oil-hardening Steel) |
| GS90 | 410 Stainless Steel, Plain |
| GS91 | 440C Stainless Steel, Plain, Oversize |

| CODE | THICKNESS |
|---|---|
| 0015 | .0156" (1/64) |
| 0031 | .0313" (1/32) |
| 0046 | .0469" (3/64) |
| 0062 | .0625" (1/16) |
| 0078 | .0781" (5/64) |
| 0093 | .0938" (3/32) |
| 0109 | .1094" (7/64) |
| 0125 | .1250" (1/8) |
| 0140 | .1406" (9/64) |
| 0156 | .1563" (5/32) |
| 0187 | .1875" (3/16) |
| 0218 | .2188" (7/32) |
| 0250 | .2500" (1/4) |
| 0281 | .2813" (9/32) |
| 0312 | .3125" (5/16) |
| 0375 | .3750" (3/8) |
| 0437 | .4375" (7/16) |
| 0500 | .5000" (1/2) |
| 0562 | .5625" (9/16) |
| 0625 | .6250" (5/8) |
| 0750 | .7500" (3/4) |
| 0875 | .8750" (7/8) |
| 1000 | 1.0000" (1) |
| 1125 | 1.1250" (1-1/8) |
| 1250 | 1.2500" (1-1/4) |
| 1312 | 1.3125" (1-5/16) |
| 1500 | 1.5000" (1-1/2) |
| 2000 | 2.0000" (2) |

| CODE | WIDTH |
|---|---|
| 0125 | .1250" (1/8) |
| 0140 | .1406" (9/64) |
| 0156 | .1563" (5/32) |
| 0187 | .1875" (3/16) |
| 0218 | .2188" (7/32) |
| 0250 | .2500" (1/4) |
| 0281 | .2813" (9/32) |
| 0312 | .3125" (5/16) |
| 0375 | .3750" (3/8) |
| 0437 | .4375" (7/16) |
| 0500 | .5000" (1/2) |
| 0562 | .5625" (9/16) |
| 0625 | .6250" (5/8) |
| 0750 | .7500" (3/4) |
| 0875 | .8750" (7/8) |
| 1000 | 1.0000" (1) |
| 1125 | 1.1250" (1-1/8) |
| 1250 | 1.2500" (1-1/4) |
| 1375 | 1.3750" (1-3/8) |
| 1500 | 1.5000" (1-1/2) |
| 1750 | 1.7500" (1-3/4) |
| 2000 | 2.0000" (2) |
| 2500 | 2.5000" (2-1/2) |
| 3000 | 3.0000" (3) |
| 3500 | 3.5000" (3-1/2) |
| 4000 | 4.0000" (4) |
| 4500 | 4.5000" (4-1/2) |
| 5000 | 5.0000" (5) |
| 5500 | 5.5000" (5-1/2) |
| 6000 | 6.0000" (6) |
| 7000 | 7.0000" (7) |
| 8000 | 8.0000" (8) |
| 9000 | 9.0000" (9) |
| 10 | 10.0000" (10) |
| 12 | 12.0000" (12) |
| 14 | 14.0000" (14) |

| CODE | LENGTH |
|---|---|
| -12 | 12" (1') |
| -18 | 18" (1-1/2') |
| -24 | 24" (2') |
| -36 | 36" (3') |
| -60 | 60" (5') |

Nonstandard lengths up to 60" are available. Lengths over 3' may be subject to a packaging charge.




Our *Engineering Handbook* provides a fresh perspective on steelmaking from iron ore to finished product. With 144 pages of informative content you'll learn about the steelmaking process, different grades of steel and finishes, testing steel hardness, heat treating steel, and mechanical properties of steel. Bonus features include manufacturing case studies and metric/imperial conversion charts.

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