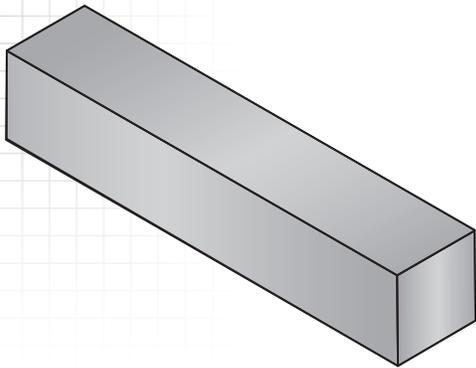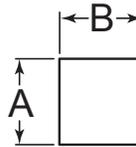## COLD FINISHED STEEL – IMPERIAL

### DESCRIPTION

A stock of material that is one foot or greater in length, and from which machine keys are made. It is available in stocked standard sizes or can be custom made to your specifications.
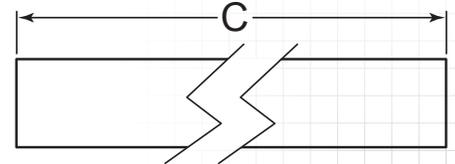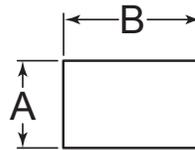
### HOW TO IDENTIFY

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



**SQUARE** B / A

**RECTANGLE** B / A

C

### PREFIX     MATERIAL/FINISH

**UNDERSIZE**

| | | |
|---|---|---|
| 30 | = | Cold Finished Steel, Plain* |
| 31 | = | Cold Finished Steel, Zinc Clear Trivalent |
| 45 | = | Cold Finished Steel, Plain* (1045) |
| 46 | = | Cold Finished Steel, Zinc Clear Trivalent (1045) |
| 65 | = | Cold Finished Alloy Steel, Plain* (4140) |
| 66 | = | Cold Finished Alloy Steel, Zinc Clear Trivalent (4140) |

**OVERSIZE**

| | | |
|---|---|---|
| 35 | = | Cold Finished Steel, Plain* |
| 36 | = | Cold Finished Steel, Zinc Clear Trivalent |

Material/finish combinations may not be available in all sizes.
Note: Unless specifically stated, our standard key stock (30 series) is any one of the following grades, subject to market availability: 1018, 1035, 1045, 1095, 1215, or 8630. Call for precise grade.

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

| MATERIAL | | SQUARE | | RECTANGLE | |
|---|---|---|---|---|---|
| (Prefix) | (Material/Finish) | (Size Range) | (Tolerance) | (Size Range) | (Tolerance) |
| **Undersize** | | | | | |
| 30 | Cold Finished Steel, Plain* | .0625 – .7500"<br>>.7500 – 1.5000"<br>>1.5000 – 2.5000"<br>>2.5000" + | +0/-.0020"<br>+0/-.0030"<br>+0/-.0040"<br>+0/-.0060" | .0938 – .7500"<br>>.7500 – 1.5000"<br>>1.5000 – 3.0000"<br>>3.0000" + | +0/-.0030"<br>+0/-.0040"<br>+0/-.0050"<br>+0/-.0060" |
| 31 | Cold Finished Steel, Zinc Clear Trivalent | | | | |
| 45 | Cold Finished Steel, Plain* (1045) | .0625 – .7500"<br>>.7500 – 1.5000"<br>>1.5000 – 2.5000" | +0/-.0040"<br>+0/-.0050"<br>+0/-.0060" | .2500 – .7500"<br>>.7500 – 1.5000"<br>>1.5000 – 3.0000" | +0/-.0040"<br>+0/-.0050"<br>+0/-.0060" |
| 46 | Cold Finished Steel, Zinc Clear Trivalent (1045) | | | | |
| 65 | Cold Finished Alloy Steel, Plain* (4140) | .0625 – .7500"<br>>.7500 – 1.5000"<br>>1.5000 – 3.0000" | +0/-.005"<br>+0/-.006"<br>+0/-.007" | .0625 – .7500"<br>>.7500 – 1.5000"<br>>1.5000 – 3.0000" | +0/-.005"<br>+0/-.006"<br>+0/-.007" |
| 66 | Cold Finished Alloy Steel, Zinc Clear (4140) | | | | |
| **Oversize** | | | | | |
| 35 | Cold Finished Steel, Plain* | .0625 – .7500"<br>>.7500 – 1.5000"<br>>1.5000 – 2.5000" | +.0020/-0"<br>+.0030/-0"<br>+.0040/-0" | .1875 – .7500"<br>>.7500 – 1.5000"<br>>1.5000 – 3.0000" | +.0030/-0"<br>+.0040/-0"<br>+.0050/-0" |
| 36 | Cold Finished Steel, Zinc Clear | | | | |

### LENGTH (C) TOLERANCES

| LENGTH | TOLERANCE |
|---|---|
| 12 – 36" | +0/-.125" |
| >36 – <144" | +0/-.250" |
| 144" | ±6" |

Nonstandard lengths up to 144" are available. Lengths over 3' may be subject to a packaging charge.

### HEIGHT OR WIDTH?

Unless otherwise noted, tolerances are based on the larger of the height or width. Both sides will have the same tolerance.

# COLD FINISHED STEEL – IMPERIAL

**ZINC PLATING AND OTHER FINISHES AVAILABLE FOR ALL PARTS**
SEE PAGE 16

## HOW TO BUILD A PART NUMBER

### 3001250250-36

**LIST THE SMALLER DIMENSION OF (A) OR (B) FIRST**

| ITEM PREFIX | (A) HEIGHT | (B) WIDTH | (C) LENGTH |
|---|---|---|---|
| | 1/16" to 2-1/2" | 1/16" to 2-1/2" | 12" to 144" |
| **30** | **0125** | **0250** | **-36** |
| TO ORDER CHOOSE YOUR MATERIAL, | CHOOSE YOUR HEIGHT, | CHOOSE YOUR WIDTH, | CHOOSE YOUR LENGTH. |

| CODE | MATERIAL |
|---|---|
| 30 | Cold Finished Steel, Plain*, Undersize |
| 31 | Cold Finished Steel, Zinc Clear Trivalent, Undersize |
| 35 | Cold Finished Steel, Plain*, Oversize |
| 36 | Cold Finished Steel, Zinc Clear, Oversize |
| 45 | Cold Finished Steel, Plain* (1045), Undersize |
| 46 | Cold Finished Steel, Zinc Clear Trivalent (1045), Undersize |
| 65 | Cold Finished Alloy Steel, Plain* (4140), Undersize |
| 66 | Cold Finished Alloy Steel, Zinc Clear Trivalent (4140), Undersize |

| CODE | HEIGHT |
|---|---|
| 0062 | .0625" (1/16) |
| 0093 | .0938" (3/32) |
| 0125 | .1250" (1/8) |
| 0156 | .1563" (5/32) |
| 0187 | .1875" (3/16) |
| 0218 | .2188" (7/32) |
| 0250 | .2500" (1/4) |
| 0281 | .2813" (9/32) |
| 0312 | .3125" (5/16) |
| 0343 | .3438" (11/32) |
| 0375 | .3750" (3/8) |
| 0406 | .4063" (13/32) |
| 0437 | .4375" (7/16) |
| 0468 | .4688" (15/32) |
| 0500 | .5000" (1/2) |
| 0562 | .5625" (9/16) |
| 0625 | .6250" (5/8) |
| 0687 | .6875" (11/16) |
| 0750 | .7500" (3/4) |
| 0812 | .8125" (13/16) |
| 0875 | .8750" (7/8) |
| 0937 | .9375" (15/16) |
| 1000 | 1.0000" (1) |
| 1500 | 1.5000" (1-1/2) |
| 2000 | 2.0000" (2) |
| 2500 | 2.5000" (2-1/2) |

| CODE | WIDTH |
|---|---|
| 0062 | .0625" (1/16) |
| 0093 | .0938" (3/32) |
| 0125 | .1250" (1/8) |
| 0156 | .1563" (5/32) |
| 0187 | .1875" (3/16) |
| 0218 | .2188" (7/32) |
| 0250 | .2500" (1/4) |
| 0281 | .2813" (9/32) |
| 0312 | .3125" (5/16) |
| 0343 | .3438" (11/32) |
| 0375 | .3750" (3/8) |
| 0406 | .4063" (13/32) |
| 0437 | .4375" (7/16) |
| 0468 | .4688" (15/32) |
| 0500 | .5000" (1/2) |
| 0562 | .5625" (9/16) |
| 0625 | .6250" (5/8) |
| 0687 | .6875" (11/16) |
| 0750 | .7500" (3/4) |
| 0812 | .8125" (13/16) |
| 0875 | .8750" (7/8) |
| 0937 | .9375" (15/16) |
| 1000 | 1.0000" (1) |
| 1500 | 1.5000" (1-1/2) |
| 2000 | 2.0000" (2) |
| 2500 | 2.5000" (2-1/2) |

| CODE | LENGTH |
|---|---|
| -12 | 12" (1') |
| -24 | 24" (2') |
| -36 | 36" (3') |
| -48 | 48" (4') |
| -72 | 72" (6') |
| -120 | 120" (10') |
| -144 | 144" (12') |

Nonstandard lengths up to 144" are available. Lengths over 3' may be subject to a packaging charge.

Additional sizes up to 7" available as special order, visit huyett.com for more details.

**ALWAYS CUTTING THE SAME KEY?**
Check out our full range of machine keys beginning on page 48. Also, our state of the art manufacturing facility can produce keys to any specification.

**MEASURING IMPERIAL KEY STOCK**

Imperial key stock is available in square or rectangle profiles.
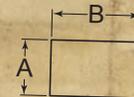
*IMPERIAL*

Imperial key stock calls out height (A) first, then width (B).

**1/4" x 1/4" (-SIZE) RoHS MADE IN THE USA**

**1', 3', AND 6' STAINLESS STEEL AND PLATED KEY STOCK ARE MARKED FOR EASY IDENTIFICATION**

**FOR DETAILED SPECIFICATIONS AND TOLERANCES, VISIT HUYETT.COM.**
*Prices, materials, dimensions, tolerances, designs, and grades subject to change without notice. © 2016 G.L. Huyett*
*Limited warranty for surface finish: 30 days from date of shipment. See page 12 for details.*