

MOLTRUP

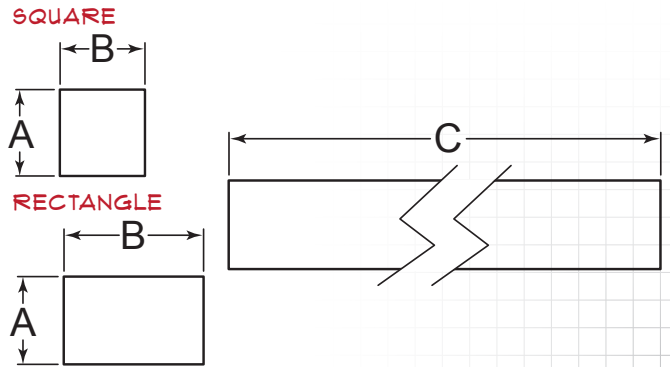
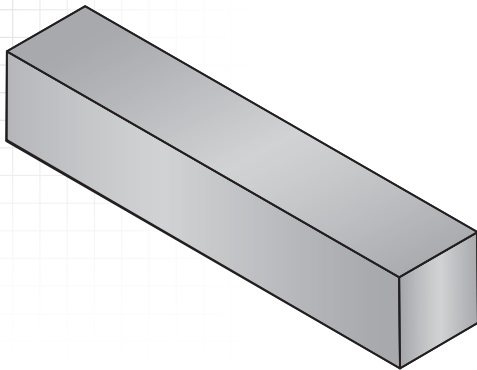
ASME B17.1 CLASS 2

DESCRIPTION

A stock of material that is one foot or greater in length from which machine keys are made. Moltrup key stock is tightly toleranced material designed to provide a tight, interference fit when a Class 2 fit is desired. 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.



PREFIX MATERIAL/FINISH

60 = MOLTRUP QUALITY STEEL, PLAIN* (1045 OR 8630)
Material/finish combinations may not be available in all sizes.

HEIGHT (A) AND WIDTH (B) TOLERANCES					LENGTH (C) TOLERANCES		
MATERIAL		SQUARE		RECTANGLE		LENGTH	TOLERANCE
(Prefix)	(Material/Finish)	(Size Range)	(Tolerance)	(Size Range)	(Tolerance)		
60	Moltrup Quality Steel, Plain* (1045 or 8630)	.0625 – 1.2500"	+0.010/-0"	(Width) .0625 – 1.2500"	+0.010/-0"	12 – 36"	+0/-.125"
		>1.2500 – 3.0000"	+0.0020/-0"	>1.2500 – 3.0000"	+0.0020/-0"	>36 – <144"	+0/-.250"
				(Height) .0625 – 7.0000"	±0.0050"	144"	±6"

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

MOLTRUP STEEL COMPANY

MOLTRUP OR MOLTRIP?

While the correct spelling is "Moltrup," at some point early in its history someone spelled it with an "i." Both versions are still used today. Although the name is commonly used to reference a particular kind of steel, it is not an actual grade.

Moltrup Steel is considered one of the most important and pioneering steel companies in the niche business of bright steel for keys and key stock. Founded in Beaver Falls, PA, in 1914 by Stephen and J. T. Moltrup, the company was the inventor of what was known as the "Moltrup Die," which is a sectional die that allows adjustments to be made in the die without removal from the die bench. Moltrup was an early adopter of automation and by 1924, they had developed a drawbench capable of drawing four bars at a time, known as "the Duplex." Inventor J. T. Moltrup was said to have developed the concept after touring a bread factory in Battle Creek, MI.

Precision drawn bright steel served many uses. Moltrup steel was used to produce crankshafts for Liberty airplanes in World War I; and for engraving and foundry plates, including engraving plates for the Federal Bureau of Printing and Engraving. These plates were used to produce paper money and food stamps.

During the mid-twentieth century, Moltrup steel was often used in hand tools, such as the shafts for screwdrivers, and according to a 1969 company biography, "wherever close fit or fine finishes are required, including the auto, appliance, business machine, computer, and machine tool industries."

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.

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MOLTRUP

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

HOW TO BUILD A PART NUMBER

6002500750-36

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

ITEM PREFIX

(A) HEIGHT

(B) WIDTH

(C) LENGTH

60

0250

0750

-36

TO ORDER ADD YOUR MATERIAL,

CHOOSE YOUR HEIGHT,

CHOOSE YOUR WIDTH,

CHOOSE YOUR LENGTH.

CODE	MATERIAL
60	Moltrup Quality Steel, Plain* (1045 or 8630)

CODE	HEIGHT
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)

CODE	WIDTH
0250	.2500" (1/4)
0281	.2813" (9/32)
0312	.3125" (5/16)
0343	.3438" (11/32)
0375	.3750" (3/8)
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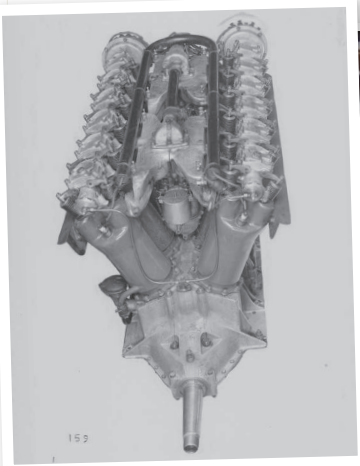
CODE	LENGTH
-12	12" (1')
-24	24" (2')
-36	36" (3')
-48	48" (4')
-72	72" (6')
-120	120" (10')
-144	144" (12')

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



WELL KNOWN FOR ITS QUALITY AND PRECISION FOR DRAWN BRIGHT STEEL, MOLTRUP STEEL IS STILL REGULARLY REQUESTED, EVEN THOUGH THE FOUNDRY CLOSED ITS DOORS IN 2002

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



A variety of steel profiles and parts produced by Moltrup Steel.

Moltrup Steel manufactured crankshafts for Liberty 12-cylinder engines during World War 1.



Antique steel tool and die machining badge used to identify key stock lots.



Original plat of foundry grounds.

Photos courtesy of Beaver County Industrial Museum, Beaver Falls, PA.

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