

SHEFFIELD™ COLD DRAWN

Strain Hardened, Alloy Bar

Benefits of Sheffield Cold Drawn

UNIQUE CHEMISTRY – this is an alloy material. It is not a carbon steel product, nor what many consider “cold roll”, which may be 1018 or 1020.

HIGH STRENGTH – excellent resistance to fatigue when compared to carbon steel. Ideal for many maintenance applications where a higher degree of toughness is required.

WEAR RESISTANT – capabilities far exceed that of other tool room and maintenance steels. May be further heat treated to hardness levels of Rockwell “C” 58/60, either through-hardness or selective surface hardening.

MECHANICAL PROPERTIES – cold drawing means cold working and as such both tensile and yield strengths increase.

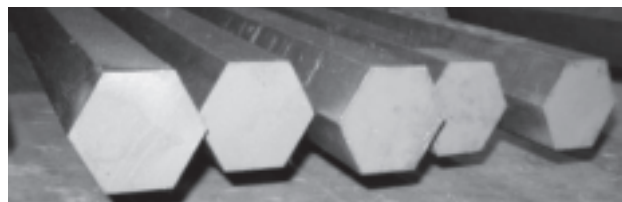
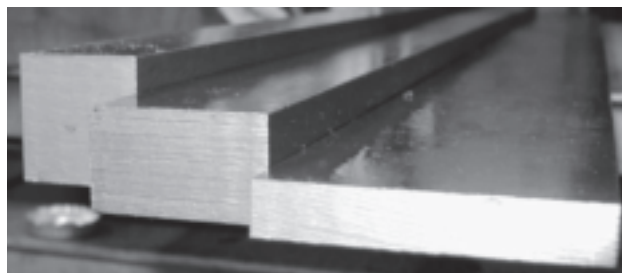
MACHINE STRAIGHTENED – mechanically straightened to one half the industry standard; 1/8” in any 5 ft.

**SINGLE LARGEST SELECTION OF
COLD DRAWN ALLOY SHAPES IN ONE
LOCATION IN NORTH AMERICA!**

Sheffield Cold Drawn has been approved and specified by leading auto manufacturers as the material of choice for all “NC” block and transfer rail applications.

For custom machined and heat treated parts that are ready for immediate installation, please review the information regarding our Redi-Rail® product found on pages 10 and 11.

**Past Protected Trade Name Of Pyramid Steel
Company – Maintenal™ CD**



Typical Physical Properties*

Hardness.....	180/235 BHN
Tensile Strength.....	114,000 P.S.I.
Yield Strength.....	100,000 P.S.I.
Elongation.....	24%
Reduction of Area.....	47%
Machinability.....	70%
*Based on 1/2” cross section of material tested	

Stock Lengths

10 / 12 Ft Random Lengths
20 / 24 Ft Random Lengths
Custom Cut Lengths

Typical Applications

Fixtures	Tool Shanks	Ways	Tracks
Jigs	“NC” Blocks	Guides	Rails

Typical Tolerances

-.002” per inch of dimension on thickness and width combined (flats)

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Available Sizes and Shapes

Cold Drawn Flats

1/4" x 1"	1/2" x 3"	1" x 1-1/2"	1-1/4" x 4"
1/4" x 1-1/2"	1/2" x 3-1/2"	1" x 1-3/4"	1-1/4" x 5"
1/4" x 2"	1/2" x 4"	1" x 2"	1-1/2" x 2"
1/4" x 2-1/2"	1/2" x 5"	1" x 2-1/2"	1-1/2" x 2-1/2"
1/4" x 3"	1/2" x 6"	1" x 3"	1-1/2" x 3"
3/8" x 1"	5/8" x 2"	1" x 3-1/2"	1-1/2" x 3-1/2"
3/8" x 1-1/2"	5/8" x 3"	1" x 4"	1-1/2" x 4"
3/8" x 2"	3/4" x 1"	1" x 5"	1-1/2" x 5"
3/8" x 2-1/2"	3/4" x 1-1/2"	1" x 6"	1-1/2" x 6"
3/8" x 3"	3/4" x 2"	1" x 7"	2" x 3"
3/8" x 4"	3/4" x 2-1/2"	1" x 8"	2" x 4"
3/8" x 6"	3/4" x 3"	1-1/4" x 1-1/2"	2" x 5"
1/2" x 3/4"	3/4" x 3-1/2"	1-1/4" x 2"	2" x 6"
1/2" x 1"	3/4" x 4"	1-1/4" x 2-1/4"	
1/2" x 1-1/2"	3/4" x 6"	1-1/4" x 2-1/2"	
1/2" x 2"	3/4" x 7"	1-1/4" x 3"	
1/2" x 2-1/2"	1" x 1-1/4"	1-1/4" x 3-1/2"	

Cold Drawn Hexagons

3/16"	1/2"	7/8"	1-7/16"	2-1/4"	3-1/4"
7/32"	9/16"	15/16"	1-1/2"	2-3/8"	3-1/2"
1/4"	5/8"	1"	1-5/8"	2-1/2"	4"
5/16"	11/16"	1-1/8"	1-3/4"	2-5/8"	
3/8"	3/4"	1-1/4"	1-7/8"	2-3/4"	
7/16"	13/16"	1-3/8"	2"	3"	

Cold Drawn Squares

3/8"	7/8"	1-1/4"	2"	3-1/2"
1/2"	15/16"	1-3/8"	2-1/4"	4"
5/8"	1"	1-1/2"	2-1/2"	
3/4"	1-1/8"	1-3/4"	3"	

Material is boxed for shipping and handling purposes. Separate charges may apply.

Cold Drawn Metric Squares

20MM	30MM	50MM
25MM	40MM	

Cold Drawn Metric Flats

25 MM x 100 MM
25 MM x 125 MM

Note: Cold drawn hexagons and squares are not sold to the tolerance specified on previous page.