MARSHALLCRAT LC



Low Carbon Steel (C1018)

Precision Marshall's Low Carbon is a general-purpose low carbon steel with good case hardening qualities.

Typical Analysis

Carbon	0.17
Manganese	0.75
Phosphorus	0.04
Sulfur	0.05

Applications

Low Carbon applications include gears, pinions, pins, ratchets, and worms.

Annealing

Heat slowly and uniformly to 1550-1650°F and cool slowly in furnace.

Hardening

Low Carbon can be hardened to any of the standard carburizing methods and subsequent heat treatments. For a hard case and tough core, the following heat treatment is suggested. Carburize at 1650°-1700° for approximately 8 hours, cool in oven, and reheat to 1400°-1450°, quench in water and draw at 300°-350°.

Note: Variations in section size, heating rate, soak time, quench rate and tempering will cause deviations from the above values. Precision Marshall should be consulted for specific applications.

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The following additional products are available through our authorized distributors.

DELUXE PLATES

MARSHALLOY MQ®/FM
MARSHALLOY™ STD 4142
MARSHALLOY™ 4140
(Annealed)
PRESCO O-1
AIRTRUE A-2
SUPER 7 MQ® S-7
ARISTOCRAT D-2

FIRECHROME H-13

SUPER 7 S-7

GROUND FLAT STOCK

PRESCO O-1 AIRTRUE A-2

ARISTOCRAT D-2

SUPER 7 S-7 NUTEC 42® 4142 FIRECHROME H-13 PREMAR 410

RUETOM SPECIAL 420

PREMAR 440C MARSHALLCRAT LC

DRILL ROD

WATERCRAT W-1
OILCRAT O-1
AIRTRUE A-2
SUPER 7 S-7
ARISTOCRAT D-2
FIRECHROME H-13PH
TRM-2 M-2
WATERCRAT W-1 (Colddrawn)



HEADQUARTERS

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The Deluxe Company's Guarantee of Quality

Precision Marshall's conformance to specifications is the highest in the industry. Precision Marshall assumes complete liability for any costs directly relating to a deviation from our published specifications. Any such costs, properly documented, will be reimbursed. For more information, visit us at www.pmsteel.com.

NATIONAL DISTRIBUTION CENTER

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