

RUETOM SPECIAL 420



Stainless Steel

Precision Marshall's Ruetom 420 is a hardenable, 12% chromium (minimum) martensitic stainless steel with good corrosion resistance along with high strength and hardness. Meets ASTM A276-17.

Typical Analysis

Carbon	0.40
Manganese	0.40
Silicon	0.40
Chromium	13.00

Applications

Ruetom 420 applications include cutlery, shear blades, valves, surgical equipment.

Annealing

Heat slowly and uniformly to 1600°F for 6 hours and cool slowly in furnace.

Heat Treating

Ruetom 420 can be heat treated by oil quenching from 1800°F to 1900°F.

Tempering

Tempering should be at the proper temperature to achieve the desired hardness. Tempering between 800°F and 1100°F should be avoided due to a decrease in corrosion resistance and toughness.

Tempering Temperature ((°F)	Rockwell Hardness (RC)
300	52
400	52
500	50
600	50
700	49
800	49

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 (Cold-drawn)



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.

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