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PREPARED BY: H POPE

REVISION DATE: 03/15/13

410 Round Bar

MATERIAL SPECIFICATIONS

MATERIAL	STAINLESS ROUND BAR 410	SMOOTH TURNED	RMS 50	
	R/L 12-14'			
SPCIFICATIONS	ALL SPECIFICATIONS WITH LATEST YEAR REVISIONS			
	AISI 410 UNS# S41000			
	ASTM A276, ASTM A479, ASTM A484, ASME SA479,			
	AMS-QQ-S-763 COND A, AMS 5613, EN 10204-3.1			

CHEMCIAL ANALYS	SIS .	(7x)	MECHANICAL PROPERTIES	
Carbon (C)	.15	77	Tensile Strength	70/115 KSI
Chromium (Cr)	11.50-13.50		(U.T.S.)	
Copper (Cu)	.50		Yield Strength	40 KSI
Manganses (Mn)	1.00		(Yield)	
Molybdenum (Mo)	.50		Elongation	20%
Nickel (Ni)	.75		(Ei. or Elong.)	
Nitrogen (N)	.08		Reduction of Area	45%
Other (if any)		report content	(R.A. or Red.)	
Phosphorous (P)	.04		Hardness	223 BHN MAX
Silicon (Si)	1.00		(RB,RC,or BHN)	35/44 RC
Sulfur (S)	.03			

All singular chemisty values are MAXIMUM unless otherwise noted All mechanical properties are MINIMUM unless otherwise noted

OTHER TEST(S) AND/OR REQUIREMENTS

MACRO ETCH TEST & MICRO STRUCTURE TO BE SATISFACTORY

MERCURY FREE CONTAMINATION STATEMENT

FREE FROM RADIOACTIVE CONTAMINATION

NO WELDING OR WELD REPAIR STATEMENT

SOLUTION ANNEALED CONDITION A. TEMP. 955C/1750F MINIMUM AND WATER QUENCHED

HEAT TREATMENT AND SOAK TIME MUST BE REPORTED.

FINISHED CONDITION RMS 50 MAX, MELT AND HOT WORKING PRACTICES TO BE REPORTED

GRADE AND HEAT NUMBER MUST BE METAL STAMPED AT BOTH ENDS ON SIZES 1" DIA. AND LARGER

COLOUR CODE GREY

BUNDLE WEIGHT - 2200 LBS MAXIMUM

IMPORTANT:

ORIGINAL CERTIFICATES OF CHEMICAL & PHYSICAL ANAYLSIS REQUIRED TWO (2) WEEKS BEFORE SHIPMENT ARRIVES

ALL TEST REPORTS MUST STATE COUNTRY OF ORIGIN

TEST REPORTS MUST HAVE THE SIGNATURE NAME AND TITLE PRINTED

ALL TEST REPORTS MUST BE SIGNED BY AUTHORIZED PERSON