

HEAT E150171 ORDER 659810/ 12 BOL 0232263 * CERTIFICATION * 05/29/15

SHIP TO:
ROLLED ALLOYS CANADA
4008 51 AVENUE NW

EDMONTON, AB, T6B 3 000000000

----- YOUR ORDER & DATE -----
1000895ED 5/14/15 CUST# 1191001 CUST TAG#0018996

----- ITEM DESCRIPTION -----
GRADE 304L/304 Ship Condition CONDA
Size 304L RND HRART CONDA 6.5000 x 144.000 RL
Country of Melt: UNITED KINGDOM Country of Mfg.: SWEDEN
NAFTA Country of Origin is Country of Melt

No weld repair
Free of mercury contamination, Free of radiation contamination
No WEEE relevant substances; Meets EU electrical ROHS

Total Bundles 1 Total Weight 2670 Approx. Hot Red. Ratio 5:1

WO 2061219 Bundles: 1A

-----	SPECIFICATIONS	-----
AMS 5639H, 5647J	SAE AMS-00-S-763D	
ASME SA182 2007-2013 Ed	ASME SA479 2007-2013 Ed.	
ASME SA484 2013 Ed.	ASME SA320 B8 CL1, 2013 Ed.	
ASME SA193 B8 2013 Edition	ASTM A182 14b	
ASTM A262 14 Practice A/E	ASTM A276-15	
ASTM A314 13a	ASTM A479/A479M 14	
ASTM A484 15	ASTM A320 11 B8 Class 1	
ASTM A193 14 B8	Solution Annealed Condition	
NACE MR0175-09, ISO 15156:09	DFARS 252.225.7009 10/4/11	
Federal Spec QQ-S-763F	UNS S30400, AISI 304	
UNS S30403, AISI 304L	Free of Cont.carbide network	
EN 10204 Type 3.1 Document	RA-53 RAM 304L	
Prodec Quality	ASTM F899 12	
NACE MR0103-10	DFARS 225.7002-3(B)(1)	
QTC is a prolongation of bar	Sol Ann 1900F min/Rapid Cool	

-----	MECHANICAL & OTHER TESTS	-----
Hardness as shipped (159 HB)		
Hardness as shipped 82 HRB		
Grain size 5.0	Tensile strength,KSI (MPa)	87.0 (600)
Micro OK	0.2% Yield Strngth,KSI(MPa)	37.4 (258)
Intergranular corrosion OK	Elongation % in 4D	59.0
	Reduction of area %	75.0

-- Continued --

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TRACER # 0000584ED

M.F. Mancoske

