

Material Certificate of Conformance - Consistent with ISO 10474 3.1B/EN 10204 3.1

Customer Information	Manufacturer Information
Name: Company Name Here PO: 123456	Sales Order: 1234567

Serial Number	Model Number	Tag Number	Heat Number	Heat Number Description
9760527	3051CD1F02A1AS5C6M5Q4Q8T1P1A1003	41-FT-373B ITEM 33	ADWH	Module Housing
9760527	3051CD1F02A1AS5C6M5Q4Q8T1P1A1003	41-FT-373B ITEM 33	J867	Manifold

This is to certify that materials as manufactured, assembled and shipped by Rosemount for this order are in accordance with the material section as specified on the applicable Rosemount drawings. Test reports from Rosemount suppliers are attached. The listed complete model numbers, as manufactured, assembled and shipped by Rosemount for this order are in compliance with ISO 10474 3.1B or EN 10204 3.1



Tim Layer
Vice-President of Global Quality



PRECISION
INVESTMENT
CASTINGS

CERTIFICATION

9000 N. 55th Street, Milwaukee, WI 53223 Phone: (414) 354-1212

TO: ROSEMONT INC.
LORI MAJERUS
8200 MARKET BLVD.
CHANHASSEN, MN 55317-

FAX NO:

<u>INVOICE NUMBER</u> 0434899	<u>PURCHASE ORDER</u> 72506	<u>YOUR PART NO</u> 03031-0777-0002	<u>BP NO</u> 03031-0777-0002	<u>REV NO</u> AH
<u>ALLOY GRADE</u> CF3M-M		<u>PIECES SHIPPED</u> 550	<u>SHIPPED ON</u> 11/07/06	<u>REQUIREMENT NO</u> 366582
<u>OUR PART NO</u> 97018				
<u>PART NAME</u> MODULE HOUSING CF-3M				

CHEMICAL CERTIFICATION

HEAT	C	MN	SI	CR	NI	MO	P	S	FE
SPEC MAX	.030	1.500	1.500	18.000	10.500	3.000	.040	.025	BAL
SPEC MIN				17.000	9.000	2.000		.015	BAL
DVL	.024	1.020	1.470	17.210	9.760	2.270	.025	.016	BAL
DVM	.026	1.270	1.270	17.170	9.926	2.170	.028	.020	BAL
DVN	.026	1.290	1.310	17.110	9.960	2.240	.028	.016	BAL
DVP	.028	1.180	1.270	17.000	9.470	2.270	.027	.020	BAL
DWD	.029	1.140	1.400	17.840	10.020	2.450	.025	.020	BAL
DWF	.028	1.280	1.390	17.470	10.040	2.430	.025	.018	BAL
DWG	.027	1.080	1.410	17.060	9.500	2.390	.029	.019	BAL
DWH	.027	1.080	1.430	17.020	9.260	2.340	.028	.021	BAL

MECHANICAL PROPERTY CERTIFICATION

HEAT TREATED TO: SIGNICAST SPEC NO: 3350 - SOLUTION ANNEAL

TEST BAR RESULTS

HEAT	UTS (KSI)	YS (KSI)	%E
SPEC MIN	70	30	30
DWH	76.4	38.1	42
DWG	77.5	34.5	53
DWF	77.5	37.4	48
DWD	79.5	37.8	43
DVP	75.4	36.6	46
DVN	77.1	38.2	47
DVM	76.8	34.8	52
DVL	74.4	38.8	43

HEAT TREAT CERTIFICATION

HEAT TREATED TO: SIGNICAST SPEC NO: 3350 - SOLUTION ANNEAL

SPECIFICATION	MICROSTRUCTURE: Annealed microstructure revealing ferrite.
	HARDNESS: HRb 85 Max



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HARDNESS TEST RESULTS

LOT	TEST LOCATION	MIN VALUE	MAX VALUE	AVG RESULTS	MICRO
1002	Across the base.	64.9	81.1	74.2	
1008	Across the base.	77.1	80.8	79.9	
1009	Across the base.	62.9	78.5	72.6	

Alloy grade per ASTM A743 (316L) with Sulfur content .020 +/- .005 . THE CASTINGS ARE MARKED WITH A 3 LETTER HEAT CODE. FIRST LETTER IS ALWAYS AN "A". We certify that the above material test report is in accordance with inspection certificate EN 10204.

CERTIFICATION BY: JENNY KOPACKA
CERTIFICATION TECHNICIAN

Osborn Steel Extrusions Limited

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 Low Moor
 Bradford
 BD12 0QL England
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CERTIFICATE OF CONFORMITY / APPROVED CERTIFICATE Serial No. OSE **23428**

TO: PGI INTERNATIONAL
 16101 VALLEN DRIVE
 HOUSTON
 TX-77041
 U.S.A.

Contract/No. de Commande/Auftrags Nr 00148647
 OSE REF. NO. 16302
 Material/Materiel/Werkstoff 316L TO PGM 3002-B
 NACE MR-01-75

Incoming Mat. Release No.

CHEMICAL ANALYSIS/ Composition Chimique/ Chemische Analyse

Cast No.
 No. de Coulee / Schmelzen Nummer

Cast No.	C	Si	Mn	P	S	Cr	Mo	Ni						
05/196	0.022	0.48	1.57	0.039	0.021	16.95	2.02	10.05						
05/497	0.025	0.50	1.53	0.040	0.023	16.95	2.02	10.05						
05/501	0.018	0.50	1.49	0.040	0.026	17.10	2.05	11.05						
05/502	0.020	0.42	1.61	0.037	0.024	16.85	2.01	11.10						

MECHANICAL TEST/ Caractéristique Mécanique/ Mechanische Prüfung

Cast No. No. de Coulee Schmelzen Nummer	Blch No	Proof Stress Rp 0.2%	Ksi 1.0%	UTS Rm Ksi	Elong % A	Red Area % Z	Hardness Rockwell C		
05/196		69.5		93.5	46.0	73.0	15		
05/497		65.5		91.5	55.0	76.0	12		
05/501		66.5		86.5	47.0	76.0	11		
05/502		70.5		90.0	44.0	73.0	10		

PGI INTERNATIONAL QC APPROVED

DATE 11-2-21
 PGI HEAT CODE J 867
 PAGE 1 OF 1
 PGI WO/PO# 00148647
 AUTH SIGN [Signature]

HEAT TREATMENT/Traitement Thermique/ Wärme Behandlung

Test Pieces/Eprouvette/ Probestücken
 Product/ Produit/ Produkt

DESCRIPTION/ Description/ Beschreibung

COLD DRAWN FLAT BAR 1.260" x 2.520" (+ 0.010" - 0"). SUPPLIED IN LENGTHS OF APPROXIMATELY 12 - 18 FT.

- 05/196 - 4 BOXES (9, 10, 11 & 12) = 72 LENGTHS - 3936 KGS - 8878 LBS
- 05/497 - 2 BOXES (18 & 19) = 32 LENGTHS - 1834 KGS - 4043 LBS
- 05/501 - 2 BOXES (17 & 20) = 26 LENGTHS - 1452 KGS - 3201 LBS
- 05/502 - 7 BOXES (21, 22, 23, 24, 25, 26 & 27) = 124 LENGTHS - 7138 KGS - 15736 LBS

PGI HEAT CODE (J 867) PAGE 1 OF 1

<p>ISO 9001</p> <p>Certified that the whole of the supplies detailed hereon have been manufactured, tested and inspected and unless otherwise stated, conform in all respects to the specification, drawings and order requirements. Material manufactured in accordance with our ISO 9001 approval.</p>	<p>MOD Approval Reg No.15B001</p> <p>Certified that the whole of the supplies detailed hereon have been inspected, tested and unless otherwise stated above, conform in all respects with the requirements of the contract or order. The quality control requirements adopted in respect of these supplies have accorded with the conditions of our MOD approval.</p>	<p>CAA Approval A1/9793/01</p> <p>Certified that, unless otherwise stated above, the whole of the above mentioned materials have been manufactured, tested and inspected in accordance with the terms of the Contract/Order applicable thereto and conform fully to the Standard/Specifications quoted hereon and the requirements of the Civil Aviation Authority.</p>
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Signed [Signature] MR S A GRIGGS - DIRECTOR Date 23/09/2005

PGI INTERNATIONAL
 CUSTOMER Rosemount
 PO# 4010755
 P/N C305122124-0300
 CUST P/N 0305RC726215G
 QTY 2 DATE 7/24/06
 AUTH SIGN [Signature]
 COMP# _____