

Burst Certification

EXTRUSION CONTROL & SUPPLY INC

Subject: PO No: 0000000 Part No: 000-0000-0000-0-A Rev: -.1.0 05/23/17
Order No: 72086-1-1 Job No: 072086-1-1

Certificate of Conformance/Compliance:

The product supplied per the above Sales Order number confirms and complies with all requirements of and amendments to your Purchase Order number referenced above and all products descriptions listed below.

Description:

Rupture DISC Assembly
Disc Type: ST0
Disc Size: 0.313"
Disc material: INC
Inlet connection: 1/2-20 UNF-2A
Outlet connection: 1/2 NPT
Installation Option: 0.88 Hex
Body Description: 9.31" long
Body Material: 303 SST
Burst Pressure: 8500 PSIG @ 600° F
Manufacturing Range: +/-5%
Notes: ECS
807S-8925 PSIG @ 600F
Qty: 25

DISC MATERIAL – INC – HEAT # - NX2666XG

Tag: BPSS00-6912B

Rated Burst Pressure:

8,710.50 PSIG at 72.00° F
8,500.00 PSIG at 600.00° F

Burst Test Results:

8723 / 8698 PSIG at 72.00° F

Material Certificate of Test:

Chemical and physical properties per attached Mill Test Reports.

Quality Representative: _____



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Member of the Zapp Group

February 06, 2017

Inspection certificate Type 3.1 per EN 10204

| | | | |
|----------------------|--------------------------------|----------------|--------------|
| Certificate No. | 2210060623000010 01 | | |
| Your Purchase Order | 32759 dated 02/01/2017 | | |
| Sales Order | 2302034173 | Delivery Note | 2210060623 |
| Production Lot | 3741604 | Inspection Lot | 020000337243 |
| Item 10 | NICKEL AND NICKEL ALLOYS | | |
| Grade / Alloy | Ni 600 | | |
| Dimensions | 0.0080 " X 36.5000 " | | |
| Thickness tolerance | -0.00040 " / 0.00040 " | | |
| Width tolerance | -0.50000 " / 0.00000 " | | |
| Conditions | ANN | | |
| Surface | BA | | |
| Edge | slit edges | | |
| Techn. Specification | ASTM B168-11 | | |
| Techn. Specification | AMS 5540 REV. N | | |
| Techn. Specification | SB-168 | | |
| Specifications | ASTM B 168 AMS 5540 ASME SB168 | | |
| Material | 8800532 | | |
| Customer part no. | M04-6008-036/A | | |
| Quantity / Weight | 27.000 LB | | |

| | | | | | | |
|----------------------|---------------|--------|--------|--------|--------|--|
| Chemical composition | Heat NX2666XG | | | | | |
| Ni (%) | Cr (%) | Co (%) | Nb (%) | Fe (%) | Mn (%) | |
| 72.8500 | 15.9400 | 0.1700 | 0.1000 | 9.8400 | 0.2100 | |
| Al (%) | C (%) | Cu (%) | Si (%) | S (%) | Ti (%) | |
| 0.1700 | 0.0200 | 0.1200 | 0.0900 | 0.0010 | 0.2800 | |
| P (%) | B (%) | Ta (%) | | | | |
| 0.0100 | 0.0020 | 0.0010 | | | | |

Melt Source Special Metals-US

Quality inspection results

Tensile Strength trans. 95.60. KSI
.2% Yield Strength trans. 46.00. KSI
Elongation 2" trans. 39.90 %
Grain Size 9.5
Hardness 85.0. HRB

February 06. 2017

Batch D027299013

Bending test 180° HW bond diameter: 1x thickness PASS

This material is melted and produced in the United States or a Qualifying country and meets the requirements of DFARS 252.225-7008 & 252.225-7009.

Sizes and Quality identification test examined and in order.

Surface visual inspection at finish: without objection

In compliance with the conditions mentioned in the acknowledgement of order.

This certificate signifies that the material meets the requirements defined in the current Revision of the following specificatins:

Strip Products: ISO 9445-1; ISO 9445-2: ASTM A480/480M and DIN EN 10140.

Wire/Bar-Products: ASTM A370; ASTM A555/A555M: ASTM A580/A580M.

This certificate has been issued by computer and is valid without signature.

ZPS / SEADAT FATEMI +1 562-944-5484-111

Abnshma / Abn.Beauftragter

Acceptance / Inspection Representative

Contact / Coordinator

ZAPP Precislon Strip does not use mercury in the testing or production of material.

ZAPP Precision Strip is certified to ISO 9001, AS 9100 and Is approved as a manufacturer according to AD2000.MERKBLATT W0 and the Pressure Equipment Directive PED 2014/68/EU. To view certificates go to customer information www.zapp.com