

Certificate of Conformity.

Test Cert/Order # 7502016577

Inspection Certificate Meeting the Requirements of :

BS EN 10204.3.1



ZAPP (GB) LTD
 Unit 1
 Thorncliffe Distribution Centre
 Brookdale Road
 Chapeltown, Sheffield
 S35 2 PW

Customer / Contract Details.

Customer : **Flow Technology Ltd**

Customer P/O #: **011431/DB**

Packing List#: **7510024124**

Detail of Product Supplied.

Product Specification : **ASTM A479 316/316L
 BSEN10088 1.4401/1.4404**

Product Description : **50.80mm x 38.10mm**

| Line Item | Quantity | Unit | Product Dimensions | Heat # | Batch # |
|-----------|----------|------|--------------------|----------|------------|
| 1 | 159 | Kgs | 50.80 x 38.10 | 56142010 | G011441A00 |

Chemical Analysis.

| C% | Si% | Mn% | P% | S% | Cr% | Mo% | Ni% |
|-------|-------|------|-------|-------|-------|------|-------|
| 0.019 | 0.53 | 1.53 | 0.036 | 0.025 | 16.98 | 2.06 | 10.09 |
| Ti | N% | Cu | Co | | | | |
| 0.004 | 0.056 | 0.46 | 0.341 | | | | |

Mechanical Properties.

| Proof Stress 0.20% | proof stress 1% | UTS (Tensile) | Unit | Elongation % | Reduction of Area % | Impact Tests | | | | Impact Test Temp | Hardness | |
|-----------------------|--------------------|------------------|------|-----------------|------------------------|--------------|--|--|--|---------------------|----------|-------------------|
| 523 | 559 | 675 | Mpa | 4D 5D | 42 39 | 62 | | | | | | HRC 21 HBW 231 |

Additional.

Visual & Dimensional Checks ;

Satisfactory

ZAPP (GB) LTD, Sheffield. We certify that the contents of this report are correct, accurate & all test results / operations meet the requirement of the specification. Certified that the supplies / services detailed meet.

Special Requirements ;

NACE MR0175

Authorised by ; *Joe Jones* Date ; 18.09.15
 Tracy Barnes
 ZAPP (GB) L

F10472
 1/2" NPT F/F/F FXD TEE 10K 316L

FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL