



A member of the Firth Rixson Group of Companies

# Firth Rixson Special Steels Limited

Ecclesfield  
Sheffield S35 9XH

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Reg. No 655064 England VAT Reg. No: GB 173 7004 76

Certificate No.: J 000000182  
Date: 27-AUG-02

DCS187

Our Sales / Work Order No.: SE000082 / 014 P/001006

Customer Order Number : 7868/1 23-APR-02

**Customer Address :**  
COGNE UK LTD  
HOUGHTON ROAD  
NORTH ANSTON INDUSTRIAL ESTATE  
NORTH ANSTON  
SHEFFIELD  
S25 4JN

**Delivery Address :**  
COGNE UK LTD  
HOUGHTON ROAD  
NORTH ANSTON INDUSTRIAL ESTATE  
NORTH ANSTON  
SHEFFIELD  
S25 4JN

**\* RELEASE NOT APPROVED CERTIFICATE  
\* CERTIFICATE OF CONFORMITY  
\* STATEMENT OF CONFORMITY**

**Specification and Description of Material Supplied :** 1919 KG Product Code : Product - 1.4404 SOLUTION TREATED ACID DESCALED

**Cast No. D89844A** Chemical Analysis - weight % (except where stated)

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N	Co	Ti
0.017	1.50	0.027	0.0270	0.410	17.18	11.27	2.130	0.46	0.0400	0.140	0.010

**Melting Technique** Inward Certificate No. Supplier / Melter

### Mechanical Test Results

<b>Tensile Tests</b>		Temp	Rp0.2	Rp1.0	Rm	A	Z
Sample No	Temperature	320.00 Nmm <sup>2</sup>	347.00 Nmm <sup>2</sup>	569.00 Nmm <sup>2</sup>	52.50 %	77.00 %	

**Remarks:**  
SPECTROSCOPE CHECK SATISFACTORY  
INTERCRISTALLINE CORROSION TEST SAT

**Heat Treatment Details**  
30MM X 20MM X 3.5/4.5 METRES FLAT BARS  
EN10088-3-1995, 1.4404, 316L  
HOT ROLLED SOLUTION TREATED ACID DESCALED  
IC SATISFACTORY TO ASTM A262 PRACTICE E  
MATERIAL HARDNESS = 156HB  
95 BARS X 1919KG

# F12251

# 1/8" NPT F/F 90° Elbow 10K

COGNE U.K. LTD  
- 2 SEP 2002  
SIGNED .....

Inspection Stamp

Certified that the whole of the supplies detailed thereon have been inspected, tested and - unless otherwise stated - conform in all respects with the requirements of the contract or order. The quality control arrangements adopted in respect of these supplies have acceded to the conditions of our ISO9002 registration. UCKA No. 070055 The certificate complies with BS EN 10204-3.1.D

Date: 27-AUG-02  
Signed: *[Signature]*  
Position in firm: Approved Signatory  
For and on behalf of Firth Rixson Special Steels Ltd.

FLOW TECHNOLOGY LTD  
TEST CERTIFICATE  
VERIFIED TRUE  
COPY OF ORIGINAL

PC6787