

# ASTON FITTINGS MANUFACTURING LTD

## T/A ASTON FITTINGS & FLANGES MANUFACTURING LTD



UNITS 1-3 EAGLE WORKS  
2 SPRINGCROFT ROAD  
TYSELEY  
BIRMINGHAM  
B11 3EL

TEL: 0121 778 6001  
FAX: 0121 778 6002  
EMAIL: [sales@astonfittings.com](mailto:sales@astonfittings.com)  
WEBSITE: [www.astonfittings.com](http://www.astonfittings.com)

# QUALITY POLICY

The directors of Aston Fittings Manufacturing Ltd accept their responsibilities to manage the business in accordance with this established Quality Management System and to develop along the lines established in the Quality Objectives.

It is the responsibility of every employee of Aston Fittings to ensure that they work in accordance with this Quality Management System at all times.

Aston Fittings are manufacturers of Quality pipes, fittings, valves and flanges used in the petrochemical, oil gas, fire fighting and general process industries.

The aim of the business is to recognise customer focus and by training and consideration drive the business towards greater levels of enhanced performance thus generating greater customer satisfaction.

This policy and objectives will be reviewed at a minimum of once per year to ensure that they are suitable and sustainable, furthermore actions are being made and implemented.

## CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**Aston Fittings Manufacturing Ltd**  
**Units 1-3 Eagle Works, 2 Springcroft Road**  
**Tyseley, Birmingham**  
**West Midlands**  
**United Kingdom**

has been approved by Lloyd's Register Quality Assurance  
to the following Quality Management System Standards:

**ISO 9001:2008**

The Quality Management System is applicable to:

**Manufacturing and stockist of compression, hydraulic, screwed, socket  
and butt welded pipeline, fittings and flanges, valves and  
sub-contract machinist.**

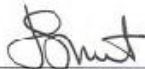
**Manufacturing and specialist supplier of instrumentation packages for  
the petrochemical, chemical, oil, gas, power and general process  
industries.**

Approval  
Certificate No: LRQ 0961092

Original Approval: 23 February 1999

Current Certificate: 1 March 2014

Certificate Expiry: 28 February 2017



Issued by: Lloyd's Register Quality Assurance Limited



71 Fenchurch Street, London EC3M 4BS United Kingdom.

This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.

The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001.

# Our Current Lloyds Certificate

# INTRODUCTION

## **Welcome to Aston Fittings Manufacturing Limited**

### **Aston Fittings - UK Manufacturers and distributors of Pipeline connections**

- Aston Fittings & Flanges Manufacturing Ltd is an expanding engineering company, which was established in 1994.
- The company has been a leading manufacturer and stockist of quality Pipe Fittings and Flanges used in the Petrochemical, Gas, Pharmaceutical, Fire-Fighting and Process Industries.
- Aston's high quality, competitively priced components function at the core of Process Engineering worldwide; safely conveying water, steam, compressed air, petro-chemicals and industrial gases at high pressure and extreme temperatures. We also manufacture and supply to companies who actively seek environmental benefits.
- Aston manufacture and supplies a full range of quality products in all materials and pressures, as well as fabrication services for all process industries at competitive prices. We offer bespoke solutions to engineers' requirements.

# PRODUCT INDEX

- COMPRESSION FITTINGS
- FORGED FITTINGS 3000/6000LB
- ASTON INSTRUMENTATION VALVES/PROCESS VALVES
- FORGED AND PLATE FLANGES
- 150LB BSP FITTINGS
- BUTTWELD FITTINGS
- WROUGHT STEEL/MI FITTINGS
- HYDRAULIC FITTINGS
- PIPE & TUBE
- ASTON BRACKETRY
- FIRE INDUSTRY PRODUCTS COVERING Co2/GAS/HIGH PRESSURE MIST SYSTEMS
- SUB CONTRACT MACHINING FACILITIES





# COMPRESSION FITTINGS

## TWIN FERRULE/SINGLE FERRULE DIN 2353

- Twin Ferrule and Single Ferrule Compression Fittings in 316 Stainless/Aluminium/Bronze/Alloy 400/Alloy 625/Duplex & Super Duplex/Titanium/Brass and a variety of other materials.
- Sizes from 1/16" O/D Tub to 2" O/D Tube (also 4mm to 54mm metric sizes).
- Working Pressure up to 6,000 psi.
- 'Swagelok' 'Parker' Equivalent, Single Ferrule DIN2353, BS4368 Nominal Bore
- Also Available on Request: Compression Ended High Pressure Ball Valves
- Available Threads BSPP/BSPT/NPT/ISO THREADS



# FORGED FITTINGS 3000LB/6000LB

- 3000lb and 6000lb Ratings
- Socket weld and screwed.
- Dimensions to ANSI B16.11/BS3799
- Threads to ANSI B20.1 - NPT AND BS21-BSPT or BSPP
- Carbon Steel to ASTM A105/ASTM A350 LF2
- Stainless Steel/Alloy 625/Titanium/Super Duplex and a variety of other materials



# ASTON INSTRUMENTATION/PROCESS VALVES

- Available in most materials including 316 Stainless, Alloy 400, Carbon Steel, Bronze, Brass, Titanium, Super Duplex, Alloy 625 and other exotic materials
- Working pressure to 10,000psi
- One piece, two piece or three piece construction
- Female, male, compression, flanged, socket weld and butt ends available
- Sizes 1/8" to 4" NPT, BSPT & BSPP





# ASTON INSTRUMENTATION/PROCESS VALVES



- We produce and supply a range of high integrity instrumentation and process valves from API Approved Manufacturers
- Multi Way Manifolds
- Monoflange Double Block and Bleed Valves
- Butterfly Valves
- Gate Valves
- Trunnion Mounted Ball Valves
- In sizes from ½" – 36" in a variety of materials such as Stainless Steel/Titanium/Super Duplex etc.

# ASTON MANIFOLDS



- As a manufacturer we can make a range of high integrity valves and manifolds
- Distribution manifolds available in a variety of sizes and materials
- High or Low pressure, we can make them to the customers specifications no matter how unusual
- Fabrication to all international welding specifications

# FORGED AND PLATE FLANGES

- Dimensions to ANSI B16.5/BS1560
- Rating 150lb to 2500lb
- Carbon steel to ASTM A105N
- Low temp carbon steel to ASTM A350 LF2
- Stainless steel, steel; all grades
- A host of exotic materials including Titanium, Super Duplex, Alloy 625 and more
- Plate flanges also supplied
- En1092-1(BS4504)



# 150LB FITTINGS



- Fittings with male and female threads that are screwed to pipe. Screwed Fittings are general used up to 4".
- 150lb/PSI low pressure fittings made from investment castings stainless steel 316
- Threading to BSP or NPT

# BUTTWELD FITTINGS

- Dimensions to ANSI B16.9/ANSI B16.28
- Carbon Steel to ASTM A234 GR WPB
- Low temp carbon steel to ASTM A420
- Stainless steel, steel all grades
- Available in exotic materials such as Alloy 625/Titanium/Alloy 400/Super Duplex and others
- Seamless and welded





# WROUGHT STEEL / MALLEABLE IRON

- Malleable Iron fittings to ASTM A197 – 150lb and 300lb NPT and BSP
- Wrought Steel fittings to BS EN 10241 (BS1740)



# HYDRAULIC FITTINGS



- Machined in our extensive Manufacturing facility to exacting tolerances. The adaptors conform to BS 5200 and are readily available in steel
- BSP Male & BSP Male 60 coned adaptors
- BSP Male (60° Coned) & BSP Male Taper Adaptors
- BSP Male Coned Plugs
- BSP (Flat Face) plugs
- Adaptors in other materials or grades of Stainless Steel can be produced to order.

# PIPE & TUBE

- Pipes and tubes convey fluids, gases and chemicals under various pressures and temperatures. They come in various wall thicknesses' to suit the various pressures and applications.
- Pipe and tubes can also be annealed or left un-annealed depending again on the application, once annealed they can be bent into customer specified shapes.
- Pipe and Tubes can be welded or seamless.
- Welded tubes and pipes are used in low-pressure applications and are commonly used with 150lbs fittings.
- Seamless pipes and tubes are used in high pressure applications were they are commonly used with 3000lbs fittings (for pipe applications) as well as twin ferrule compression fittings (for tube applications)
- In pipes we have both metric and imperial nominal bore (NB) or Inside Diameter and schedules (SCH).
- Here is a list of the major grades of pipe and tube we have available: -

## Pipe

- ASTM A106 GRB - Black and Galv
- Stainless steel Pipe ASTM A312 in 304L/316L
- Super Duplex/Duplex/Alloy 625 as well as a variety of other materials

## Tube

- Stainless Steel A269 304/316 Seamless/Welded
- Super Duplex/Duplex/Alloy 625 as well as a variety of other materials



# ASTON BRACKETRY

- Channel plain or slotted single or double 3m/6m
- Angle brackets (single or double)
- Window brackets, 1 or 2 piece clamps, Munsen rings, Cantilever arms
- Studding, Nuts, bolts & washers
- All bracketry ancillaries available



# FIRE INDUSTRY PRODUCTS

- We supply products and components for the Fire Fighting Industry in a variety of materials
- Co2 Systems
- Gas Systems Including Argonite and FM200
- High Pressure Mist Systems





# SUB CONTRACT MACHINING FACILITIES

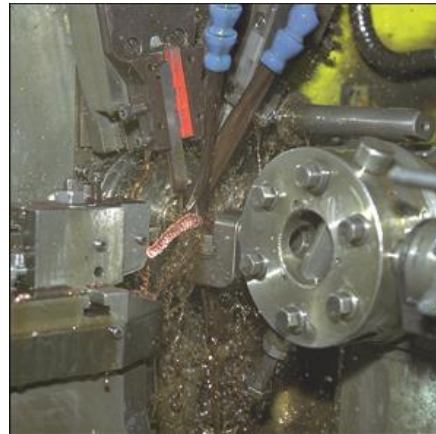
- We specialise in batch manufacture of precision engineered components for various branches of engineering ranging from Instrumentation, Nuclear and Pharmaceutical Manufacturers to the Power, Fire Fighting, Hydraulic and Process Industries. We can offer all grades of material and from small to large quantities



# SUB CONTRACT MACHINING FACILITIES

- Our Sub Contract Machining facilities are detailed below and include a number of high precision CNC's. These are in addition to our Auto's, Emi-Mecs and conventional machinery, allowing us to offer a complete Sub Contract Service

PLANT CAPACITY	
5 Axis CNC'S	Conventional (2 <sup>nd</sup> ops)
CNC's 65mm Bar / Machining Centres	Capstans (Herberts/Wards/Taylors)
EMI-MEC's 2" diameter	Drillers (including CNC controlled) Tapper
Single spindle autos 2" diameter	Cri-Dan Threading-single point



Full Certification to EN 10204:2004, | Traceability where required | Assembly/Pressure test facility | Machine to most internationally recognised standards e.g. DIN 2353, BS 2051 pt2, BS4368 pt2 & 3, BS 2799M BS21, ISO, API, ANSI B16.11 etc.





# REFERENCE LIST

Abbrevio GmbH (Germany)	Pipe
ADCO	Fittings, Flanges, Valves & Machined Assemblies
Al Bakali General Trading Co WLL (Bahrain)	Pipe, Fittings & Flanges
Al-Jawaby Oil Services	Instrumentation Fittings
Al Muftah Group (Qatar)	Fittings
AMOC (Egypt)	Valves
Aramco (Egypt)	Pipe, Valves
Aramco (Saudi Arabia)	Instrumentation Package
Asia Caspian Engineering Co	Fittings
Atelier Des Graces (France)	Fittings
Bandar Imam Petrochemical	Compression Fittings & Valves
Behran Oil Company	Compression Fittings, Buttweld Fittings
Berg Chilling System	Valves, Hose Fittings
Bodleian Library (UK)	Pipe, Fittings
BP Grangemouth/ETS.TC	Compression Fittings
Brigg Power Station (UK)	Pipe, Fittings
British Nuclear Fuels	Compression Fittings
British Steel (South Wales)	Socket Weld Fittings
Canflex (Canada)	Hydraulic Hoses
Central Eletrique Nam Theun (Laos)	Compression Fittings
Chinese Petrochemical Company (Taiwan)	Compression Fittings
Chiyoda Corp. (Seraya Island & ADNOC)	Fittings
Davy McKee-Kia Steel Company, Korea	Instrumentation Package
Delta (Doha)	Valves
DKG east oil & gas equip m/f co Inc. (Hungary)	Valves
Enemalta Corp (Malta)	Fittings
Esso Refinery (Fawley)	Compression Fittings
Fauji Fertilizer Company (Pakistan)	Valves, Compression Fittings

# REFERENCE LIST

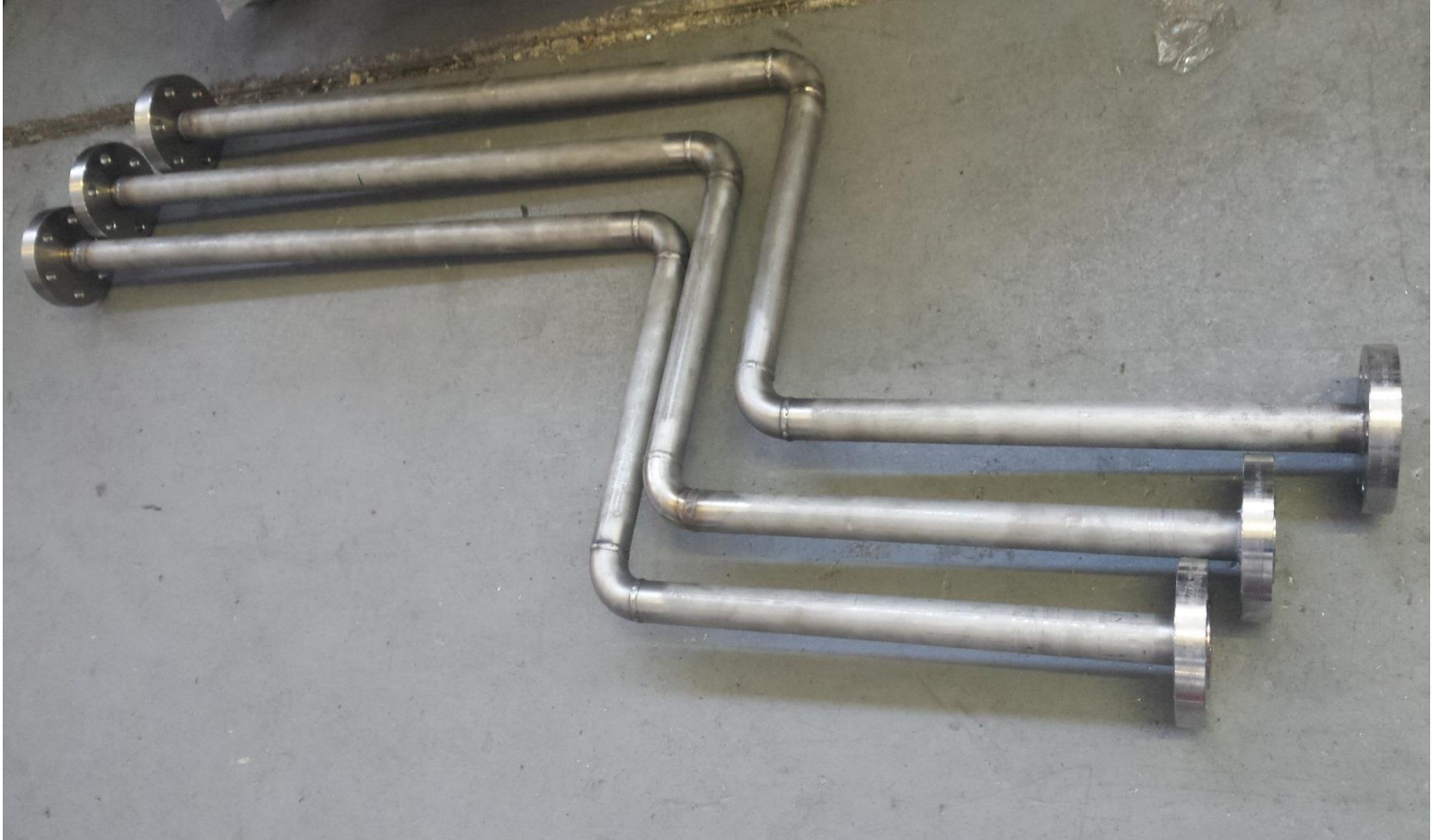
Flotech (New Zealand)	Flanges
Foster Wheeler	Compression Fittings
Gulf Australian Trading Steel	Socketweld Fittings
Gulf Oil Company (Libya)	Compression Fittings
Heathrow Airport (London)	Pipe, Fittings
Hoogland & Mennens BV (Netherlands)	Fittings
ICI (Europe)	Compression Fittings
IGDEC (Iran)	Pipes, Fittings & Flanges
International Technical Construction Co (Jordan)	Compression Fittings
Jarc Company (Iran)	Ball Valves
John Brown – Russian Project	Valves & Fittings
Jordan Electric Power	Compression Fittings
KNPC	High Pressure Fittings, Flanges, Valves & Manifolds
KOC	High Pressure Fittings, Flanges, Valves & Manifolds
Lindsey Oil Refinery (UK)	Pipe Fittings
Little Barford Power Station (UK)	Pipe, Fittings
London Underground (England)	Compression Fittings, Tubing
Loydence (Qatar)	Compression Fittings, Butt weld Fittings
Marcon International (Canada)	Flanges
Manweir (Qatar)	Compression Fittings
National Iranian Gas Company (Iran)	Compression Fittings
NIGC (Iran)	Pipe, Fittings & Flanges
NIOC (Iran)	Socketweld Fittings
NIOEC (Iran)	Pipe, Fittings, Flanges
Occidental (Qatar)	Instrumentation Fittings
Offshore – Safe Caledonia	Fittings
Pan Ocean (Nigeria)	Valves & Manifolds
Pembroke Power Station (UK)	Pipe, Fittings
Pertamina (Indonesia)	Compression Fittings



# REFERENCE LIST

Petrogulf (Qatar)	Flanges, Compression Fittings
Petrobras (Brazil)	Compression Fittings, Valves & Manifolds
Petrofac (Qatar)	6mo Compression Fittings
Petrokemya Project (Saudi Arabia)	Fittings & Valves
PKSK (Iran) SP13, SP22-24	Fittings
Qatar General Petroleum Co. (Q.G.P.C)	Compression Fittings & Valves
Qatar Gas Hose Fittings (Qatar)	Compression Fittings
Rolls Royce (UK)	Compression Fittings
SBM Offshore	Fittings, Valves & Manifolds
Sadaf Assaliyeh Petrochemical Company (Iran)	Underground Pipe Package
Sadaf Assaliyeh Petrochemical Company (Iran)	Above Ground Pipe Package
Sadaf Petrochemical (Iran)	Pipe, Fittings
Shiraz Petrochemical (Iran)	Flanges
Singapore Refining Co PTE Ltd (Singapore)	Instrumentation Fittings
Sorral International Ltd (Romania)	Compression Fittings, Pipe, Valves
South Pars (Iran)	Compression Fittings & Valves
Stalbud (Poland)	Fittings
Suez Oil Company (Egypt)	Compression Fittings, Pipe & Valves
Sylhet Gas Fields Ltd (Bangladesh)	Compression Fittings & Butt weld
Tabriz Petrochemical (Iran)	Flanges
The Shard (London)	Pipe, Fittings
Tyco (France)	Compression Fittings
Tyco (Kazakhstan)	Pipe, Fittings
West Burton Power Station (UK)	Pipe, Fittings

# Bespoke / Fabrication



# Bespoke / Fabrication





# Bespoke / Fabrication







