

ASTON FITTINGS & FLANGES

MANUFACTURING LTD



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INTRODUCTION

WELCOME TO ASTON FITTINGS MANUFACTURING LTD

UK MANUFACTURERS & DISTRIBUTORS OF QUALITY 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 Flanged 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, petrochemicals and industrial gases at high pressure and extreme temperatures. We also manufacture and supply to companies who actively seek environmental benefits.
- Aston manufacture & supply 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 3000lb/6000lb](#)
- [Instrumentation & Process Valves](#)
- [Manifolds](#)
- [Forged & Plate Flanges](#)
- [150lb BSP Fittings](#)
- [Press Fittings](#)
- [Buttweld Fittings](#)
- [Hydraulic Fittings](#)
- [Pipe & Tube](#)
- [Bracketry](#)
- [Fire Industry Products \(Covering CO₂/Gas/High Pressure Mist Systems\)](#)
- [Sub Contract Machining](#)
- [Bespoke Fabrication](#)



COMPRESSION FITTINGS

TWIN FERRULE & SINGLE FERRULE (DIN 2353)

- Twin & Single Ferrule Compression Fittings in 316 Stainless Steel, Aluminium, Bronze, Alloy 400, Alloy 625, Duplex & Super Duplex, Titanium, Brass and a variety of other materials.
- Sizes from 1/16" OD Tube to 2" OD Tube (Also 4mm – 54mm Metric Sizes).
- Working Pressures up to 6000psi
- 'Swagelok' & 'Parker' Equivalent DIN 2353, BS4368 Nominal Bore.
- High Pressure Compression Ended Ball Valves (Available on request).
- Available Threads; BSPP, BSPT, NPT, ISO.



FORGED FITTINGS 3000lb/6000lb

- 3000lb & 6000lb Rated.
- Screwed & Socketweld Available.
- Dimensions To ANSI B16.11 / BS3799.
- Threads To ANSI B20.1 (NPT), BS21 (BSPT) & BSPP
- Carbon Steel ASTM A105 / ASTM A350 LF2
- Stainless Steel, Alloy 625, Titanium, Super Duplex and a variety of other materials available on request.



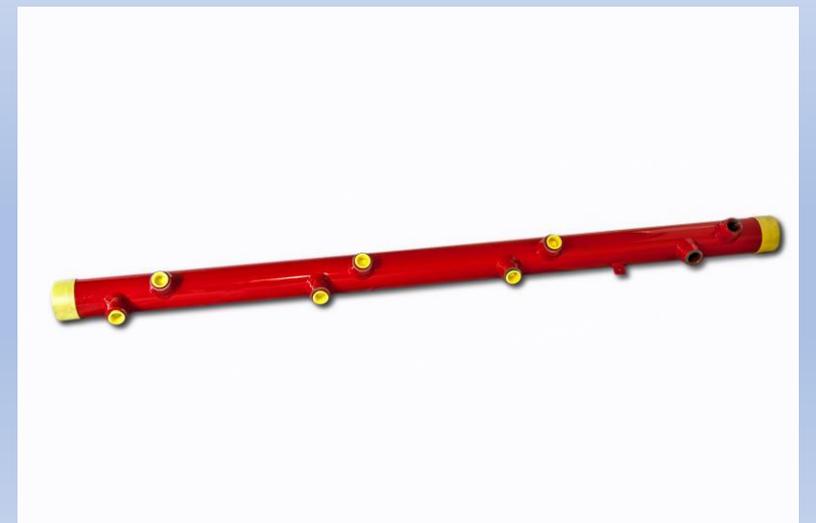
INSTRUMENTATION & PROCESS VALVES

- We produce & supply a range of high integrity instrumentation / process valves from API approved manufacturers.
- Available in most materials including Stainless Steel, Carbon Steel, Alloy 400, Bronze, Brass, Titanium, Super Duplex, Alloy 625 & other exotic materials.
- Working pressure up to 10,000PSI.
- One Piece, Two Piece or Three Piece construction.
- Ball Valves
- Multi Way Valves
- Monoflange Double Block & Bleed Valves
- Butterfly Valves
- Gate Valves
- Threaded, Compression, Socketweld, Buttweld & Flanged end connections available.
- Sizes 1/8" – 36"



ASTON MANIFOLDS

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



FORGED & PLATE FLANGES

- Dimensions to ANSI B16.5 / BS1560
- Rating 150lb – 2500lb
- Carbon Steel ASTM A105N
- Low Temp Carbon Steel ASTM A350 LF2
- Stainless Steel – All Grades
- A host of exotic materials including Titanium, Super Duplex, Alloy 625 & more.
- Plate flanges also supplied EN1092-1 (BS4504)



150lb BSP FITTINGS

- Fittings with male & female threads that are screwed to pipe.
- Screwed fittings are generally used up to 4”.
- 150lb low pressure fittings made from investment castings (stainless steel 316)
- Threading to BSP or NPT.



PRESS FITTINGS

- FM Approved
- M-Contour
- Stainless Steel/Carbon Steel



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 – All Grades.
- Available in exotic materials such as Alloy 625, Titanium, Alloy 400, Super Duplex & others.
- Seamless and Welded available.



HYDRAULIC FITTINGS

- Machined in our extensive manufacturing facility to exacting tolerances.
- Adaptors confirm to BS5200 and are readily available in Steel / Stainless Steel.
- BSP Male Adaptors.
- BSP Male Adaptors 60° Coned.
- BSPT Adaptors.
- BSP Male Coned Plugs.
- BSP Flat Faced Plugs.
- Adaptors in other materials can be produced to order.



PIPE & TUBE

- Pipes & Tubes convey fluids, gases & chemicals under various pressures and temperatures. They come in various wall thicknesses to suit the various pressures & applications.
- Pipe & Tubes can also be annealed or left unannealed depending again on the application. Once annealed they can be bent into customer specified shapes.
- Welded or Seamless available.
- Welded Pipes & Tubes are used in lower pressure applications and are commonly used with 150lb fittings.
- Seamless Pipes & Tubes are used in high pressure applications and are commonly used with 3000lb fittings (for pipe applications) as well as compression fittings (for tube applications).
- Pipes available in both Metric & Imperial Nominal Bore (NB), Inside Diameter and Schedules (SCH).

Pipe

- ASTM A106 GR B – Black & Galvanised.
- 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 304L/316L – Seamless & Welded.
- Super Duplex/Duplex/Alloy 625 as well as a variety of other materials.



BRACKETRY

- Nuts, Bolts, Washers & Studding.
- Channel – Plain or Slotted, Single or Double, 3mtr/6mtr.
- Cantilever Arms
- Angle Brackets (Single or Double)
- Window Brackets.
- 1 or 2 Piece Pipe Clamps.
- Munsen Rings.
- All Bracketry ancillaries available.



FIRE INDUSTRY PRODUCTS

- We supply product & components for the Fire Fighting industry in a variety of sizes & materials.
- CO₂ Systems.
- Gas Systems (Argonite & FM200).
- High Pressure Mist Systems.
- Aston 300 Bar System.



SUB CONTRACT MACHINING

- Aston specialise in batch manufacture of precision engineered components for various branches of engineering ranging from Instrumentation, Nuclear & Pharmaceutical.
- Manufacturers to the Power, Fire Fighting, Hydraulic & Process Industries.
- We can offer all grades of material in small & large quantities.
- Our Sub Contract Machining facilities are detailed below & include a number of high precision CNC's. These are in addition to our conventional machinery, allowing us to offer a complete Sub Contract Service.
- Full Certification To EN10204:2004 | Traceability where required | Assembly/Pressure test facility | Machine to most internationally recognised standards (DIN 2353, BS2051 pt2, BS4368 pt2 & pt3, BS2799M, BS21, ISO, API, ANSI B16.11 etc.



PLANT CAPACITY	
5 Acis CNC's.	Conventional (2 nd Ops).
CNC's 95mm Bar / Machining Centres.	Capstans (Herberts/Wards/Taylors).
15" 2 & 3 Jaw Chucks	Drillers (Including CNC Controlled) Tappers.

BESPOKE FABRICATION

