



**ATFIT**®

Wide Range of Fitting Products

OFFERING A COMPLETE AND INTEGRATED RANGE OF  
**BRASS FITTING COMPONENTS**

TrizoneIndia

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# Introduction

We at Atlas Metal are an establishment with 25 years of excellence and commitment in the Indian Metal products market with a stronghold in the national and international market. With the most modern and latest manufacturing technology machinery unit at Jamnagar, Gujarat, our diligent team is well-equipped to meet, as well as exceed our customers' expectations.

Incepted in 1996, we at Atlas Metal Industries began our journey, by manufacturing brass electrical wiring and earthing accessories with the brand name 'ATCAB'. What began as a humble company operating in a mere 1000 Sq. Ft. area with just 7 employees, has now become a formidable force with over 180 skilled personnel working at a sprawling area of over 50,000 Sq. Ft. At Atlas, we have earned the reputation of being one of the leading manufacturing and exporting companies in our domain industry with an annual capacity of 500 metric tons, of which 95% is export.

## Key Segments:

**1) Cable Gland and Accessories**

**2) Earthing Accessories**

**3) Cable Lugs**

**4) Conduit Fitting**

Taking the mantle of excellence further, we at Atlas Group launched our brand 'ATFIT' derived from Fittings - of Brass Precision Turned Components. We offer products in a variety of metals like Brass, Zinc, Stainless Steel etc. and also we make customised products in sync with our customers' meticulous requirements, apart from offering quality that is at par with international benchmarks, yet at competitive price.

An ISO:9001 certified company, we at Atlas manufacture high precision products, by using CNC machines. We have product certification of CE, EX, ROHS, IP68 and CMRI, which makes us one of the most reliable names across the industry.



## Vision

To become a futuristic and complete solution provider in the cable glands and accessories industry and provide customised solutions through Atlas **EDGE**.

**E**nhancing quality, capacity and innovation each day

**D**eveloping unwavering international bonds

**G**earing towards a sustainable future

**E**mpowering all associated stakeholders



## Mission

Produce world-class products with a customer-centric approach with a commitment to creating a better world for all people and nations.

Being rooted in values to render the best quality at the best possible prices and evolve dynamically with technology to be at par with what the world needs.



## Values

Honesty, Integrity and Humility are the core values of Atlas Metal.

Delivering the best quality products with competitive prices in honesty, along with commitment, safety and seamless customisation.

We respect everyone equally – right from the bottom to top-level management, stakeholders and customers alike.

We believe strongly in growing as a team.



# Policies

## Environmental Policy

Atlas Metal is an environment-focused company that holds a policy that does not harm the environment locally, nationally or globally.

We will continuously measure the impact on the environment and strive for continuous improvement.

Atlas Metal will comply with all relevant environmental legislation and mandatory requirements and shall continuously raise awareness among our staff regarding environmental issues and enlist their support in improving the company's performance.



## Health and Safety Policy

Atlas Metal strives to create a safe and healthy working environment since employee welfare is our priority.

All activities that would endanger the health and safety of our employees will always be monitored. Regular health surveillance will be made as per necessity.

Atlas Metal takes care of the employees as they are all an integral part of the Atlas family.



## Customer Service

Atlas Metal is committed to going beyond customer satisfaction. Along with high-quality products, Atlas ensures effective and personal pre- and post-association with the client. Atlas Metal provides specialised training to technicians to provide better service to customers like:

- 1) Installations and personnel for assistance to clients.
- 2) Analyse faults to rectify them as soon as possible.
- 3) Rectify the issues by out minor repairs at the site etc.

# Infrastructure

Atlas Metal is established with its largest and modern manufacturing plant at Jamnagar, Gujarat. It is equipped with the latest machinery and a technically qualified quality assurance team hence, assuring the best quality products that match international standards.

All required manufacturing processes take place under one roof. It helps Atlas Metal meet the clients' needs within timelines and gives total control over the quality of the final product.



INDUCTION FOUNDRY



CASTINGS DIVISION



EXTRUSION MACHINES



FORGING MACHINES



CNC MACHINES SHOP



CONVENTIONAL MACHINE



PLATING MACHINES



PUNCH MARKING MACHINE



LASER MARKING MACHINE

# In-house Facility



TORQUE TEST



SEALING/TENSIL TEST



HYDRAULIC TEST



TORQUE TEST



SEALING/TENSIL TEST



HYDRAULIC TEST



ASSEMBLY DEPARTMENT



STORE & PACKAGING DEPARTMENT



DISPATCH DEPARTMENT

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# About Compression Fittings

Used with Copper, Brass, Aluminum, Plastic Tube (add insert and use Delrin sleeve).  
Do not use with steel tubing. See Lead Free Brass Series for potable water applications: (LF-)

Assembly	
>>	Cut Tube Square and Deburr
>>	Slide nut and Sleeve on tube
>>	Add Insert if Plastic Tube
>>	Shoulder tube in fitting and hand tighten nut onto fitting
>>	Wrench tighten past hand:
	(1 ¼ turns) 1/8 to 1/4
	(2 ¼ turns) 3/8 to 1

Threads	
>>	ISO Metric MM, PG, BSW, BSP, BSB, BSF, BA, NPT, NPTF, UNC, UNF, UNEF etc.
>>	Any threads as per custom design

Material Specification	
>>	Free Cutting Brass 319 type
>>	BS 249 type

Finish & Coating		
1. Natural Brass	2. Nickel Plated	3. Tin Plated
or any as required		

# Brass Compression Fittings



## Male Run Tee

Product Code	Description
AF-MRT-3.16-1.8	3/16 Tube OD X 1/8 Male Pipe
AF-MRT-1.4-1.8	1/4 Tube OD X 1/8 Male Pipe
AF-MRT-1.4-1.4	1/4 Tube OD X 1/4 Male Pipe
AF-MRT-3.8-1.8	3/8 Tube OD X 1/8 Male Pipe
AF-MRT-3.8-1.4	3/8 Tube OD X 1/4 Male Pipe
AF-MRT-3.8-3.8	3/8 Tube OD X 3/8 Male Pipe
AF-MRT-1.2-3.8	1/2 Tube OD X 3/8 Male Pipe
AF-MRT-1.2-1.2	1/2 Tube OD X 1/2 Male Pipe

## Union Tee



Product Code	Description
AF-UT-1.4	1/4 Tube OD
AF-UT-5.16	5/16 Tube OD
AF-UT-3.8	3/8 Tube OD
AF-UT-1.2	1/2 Tube OD
AF-UT-5.8	5/8 Tube OD
AF-UT-3.4	3/4 Tube OD
AF-UT-7.8	7/8 Tube OD
AF-UT-1.4-3.8	1/4 Tube OD X 3/8 Tube OD
AF-UT-1.2-1.4	1/2 Tube OD X 1/4 Tube OD
AF-UT-5.8-3.4	5/8 Tube OD X 3/4 Tube OD

# Brass Compression Fittings



## Brass Sleeve

Product Code	Description
AF-BS-1.8	1/8 Tube OD
AF-BS-5.32	5/32 Tube OD
AF-BS-3.16	3/16 Tube OD
AF-BS-1.4	1/4 Tube OD
AF-BS-5.16	5/16 Tube OD
AF-BS-3.8	3/8 Tube OD
AF-BS-7.16	7/16 Tube OD
AF-BS-1.2	1/2 Tube OD
AF-BS-5.8	5/8 Tube OD
AF-BS-3.4	3/4 Tube OD
AF-BS-7.8	7/8 Tube OD
AF-BS-1	1 Tube OD

## Standard Nut



Product Code	Description
AF-SN-1.8	1/8 TUBE OD
AF-SN-5.32	5/32 TUBE OD
AF-SN-3.16	3/16 TUBE OD
AF-SN-1.4	1/4 TUBE OD
AF-SN-5.16	5/16 TUBE OD
AF-SN-3.8	3/8 TUBE OD
AF-SN-7.16	7/16 TUBE OD
AF-SN-1.2	1/2 TUBE OD
AF-SN-5.8	5/8 TUBE OD
AF-SN-3.4	3/4 TUBE OD
AF-SN-7.8	7/8 TUBE OD
AF-SN-1	1 TUBE OD
AF-SN-1.4	1/4 TUBE OD
AF-SN-3.8	3/8 TUBE OD
AF-SN-1.2	1/2 TUBE OD
AF-SN-5.8	5/8 TUBE OD

# Brass Compression Fittings

## A90° Male Pipe Elbow

Product Code	Description
AF-MPE-5.16-1.8	5/16 TUBE OD X 1/8 MALE PIPE
AF-MPE-1.8-1.8	1/8 TUBE OD X 1/8 MALE PIPE
AF-MPE-1.8-1.16	1/8 TUBE OD X 1/16 MALE PIPE
AF-MPE-5.32-1.8	5/32 TUBE OD X 1/8 MALE PIPE
AF-MPE-3.16-1.8	3/16 TUBE OD X 1/8 MALE PIPE
AF-MPE-3.16-1.4	3/16 TUBE OD X 1/4 MALE PIPE
AF-MPE-1.4-1.8	1/4 TUBE OD X 1/8 MALE PIPE
AF-MPE-1.4-1.4	1/4 TUBE OD X 1/4 MALE PIPE
AF-MPE-1.4-3.8	1/4 TUBE OD X 3/8 MALE PIPE
AF-MPE-1.4-1.2	1/4 TUBE OD X 1/2 MALE PIPE
AF-MPE-5.16-1.4	5/16 TUBE OD X 1/4 MALE PIPE
AF-MPE-5.16-3.8	5/16 TUBE OD X 3/8 MALE PIPE
AF-MPE-3.8-1.8	3/8 TUBE OD X 1/8 MALE PIPE
AF-MPE-3.8-1.4	3/8 TUBE OD X 1/4 MALE PIPE
AF-MPE-3.8-3.8	3/8 TUBE OD X 3/8 MALE PIPE
AF-MPE-3.8-1.2	3/8 TUBE OD X 1/2 MALE PIPE
AF-MPE-3.8-3.4	3/8 TUBE OD X 3/4 MALE PIPE
AF-MPE-7.16-1.4	7/16 TUBE OD X 1/4 MALE PIPE
AF-MPE-1.2-1.4	1/2 TUBE OD X 1/4 MALE PIPE
AF-MPE-1.2-3.8	1/2 TUBE OD X 3/8 MALE PIPE
AF-MPE-1.2-1.2	1/2 TUBE OD X 1/2 MALE PIPE
AF-MPE-1.2-3.4	1/2 TUBE OD X 3/4 MALE PIPE
AF-MPE-5.8-3.8	5/8 TUBE OD X 3/8 MALE PIPE
AF-MPE-5.8-1.2	5/8 TUBE OD X 1/2 MALE PIPE
AF-MPE-5.8-3.4	5/8 TUBE OD X 3/4 MALE PIPE
AF-MPE-3.4-1.2	3/4 TUBE OD X 1/2 MALE PIPE
AF-MPE-3.4-3.4	3/4 TUBE OD X 3/4 MALE PIPE
AF-MPE-7.8-3.4	7/8 TUBE OD X 3/4 MALE PIPE



## Four Way Male

Product Code	Description
AF-FWM-1.8	1/8 TUBE OD
AF-FWM-3.16	3/16 TUBE OD
AF-FWM-1.4	1/4 TUBE OD
AF-FWM-5.16	5/16 TUBE OD
AF-FWM-3.8	3/8 TUBE OD
AF-FWM-1.2	1/2 TUBE OD
AF-FWM-3.4	3/4 TUBE OD



# About Pipe Fittings

Use with Brass, Steel, Iron Pipe. Pipe threads must be sealed using approved thread sealant.

### Assembly

- Apply Thread Sealant Compound or Tape
- If using Tape, Wind in the direction of the threads
- Do not tape first 2 (starting) Threads
- Assembly hand tight
- Tighten a minimum of 2-1/2 full turns past hand tight

### Advantages

- Unlimited Reusability
- Unlimited Connector Combinations

### Threads

- ISO Metric MM, PG, BSW, BSP, BSF, BA, NPT, NPTF, UNC, UNF, UNEF etc.
- Any threads as per custom designs

### Material Specification

- Free Cutting Brass 319 type
- BS 249 type

### Finish & Coating

- |                    |                  |               |
|--------------------|------------------|---------------|
| 1. Natural Brass   | 2. Nickel Plated | 3. Tin Plated |
| or any as required |                  |               |

# Brass Pipe Fitting



## Forged Tee

Product Code	Description
AF-FT-1.8	1/8 FPT
AF-FT-1.4	1/4 FPT
AF-FT-1.4-1.8	1/4 FPT X 1/8 FPT
AF-FT-3.8	3/8 FPT
AF-FT-3.8-1.4	3/8 FPT X 1/4 FPT
AF-FT-1.2	1/2 FPT
AF-FT-1.2-3.8	1/2 FPT X 3/8 FPT
AF-FT-3.4	3/4 FPT
AF-FT-3.4-1.2	3/4 FPT X 1/2 FPT
AF-FT-3.4-1.2-3.4	3/4 FPT X 1/2 FPT X 3/4 FPT
AF-FT-1-1.2-1	1 FPT X 1/2 FPT X 1 FPT
AF-FT-1.14-1.2-1.14	1-1/4 FPT X 1/2 FPT X 1-1/4 FPT



## Forged Tee

Product Code	Description
AF-F9E-1.4	1/4 FPT
AF-F9E-3.8	3/8 FPT
AF-F9E-1.2	1/2 FPT
AF-F9E-3.4	3/4 FPT
AF-F9E-1.4-1.8	1/4 FPT X 1/8 FPT
AF-F9E-3.8-1.4	3/8 FPT X 1/4 FPT
AF-F9E-1.2-3.8	1/2 FPT X 3/8 FPT

# Brass Pipe Fittings



## Hex Nipple

Product Code	Description
AF-HN-1.4-1.38	1/4 NPT, 1-3/8" LONG
AF-HN-1.8	1/8 NPT
AF-HN-1.4	1/4 NPT
AF-HN-1.4C	1/4 NPT CARDED
AF-HN-1.4-1.8	1/4 NPT X 1/8 NPT
AF-HN-3.8	3/8 NPT
AF-HN-3.8C	3/8 NPT CARDED
AF-HN-3.8-1.8	3/8 NPT X 1/8 NPT
AF-HN-3.8-1.4	3/8 NPT X 1/4 NPT
AF-HN-3.8-1.4C	3/8 NPT X 1/4 NPT CARDED
AF-HN-1.2	1/2 NPT
AF-HN-1.2-1.4	1/2 NPT X 1/4 NPT
AF-HN-1.2-3.8	1/2 NPT X 3/8 NPT
AF-HN-3.4	3/4 NPT
AF-HN-3.4-1.2	3/4 NPT X 1/2 NPT
AF-HN-1	1 NPT



## Adapter

Product Code	Description
AF-A-1.8-1.8	1/8 FPT X 1/8 NPT
AF-A-1.4-1.4	1/4 FPT X 1/4 NPT
AF-A-3.8-3.8	3/8 FPT X 3/8 NPT
AF-A-1.2-1.2	1/2 FPT X 1/2 NPT
AF-A-1.8-1.16	1/8 FPT X 1/16 NPT
AF-A-1.4-1.8	1/4 FPT X 1/8 NPT
AF-A-3.8-1.8	3/8 FPT X 1/8 NPT
AF-A-3.8-1.4	3/8 FPT X 1/4 NPT
AF-A-1.2-1.4	1/2 FPT X 1/4 NPT
AF-A-1.2-3.8	1/2 FPT X 3/8 NPT
AF-A-3.4-3.8	3/4 FPT X 3/8 NPT
AF-A-3.4-1.2	3/4 FPT X 1/2 NPT



# Brass Pipe Fitting



## Bushing

Product Code	Description
AF-B-1.4-1.8	1/4 NPT X 1/8 FPT
AF-B-3.8-1.8	3/8 NPT X 1/8 FPT
AF-B-3.8-1.4	3/8 NPT X 1/4 FPT
AF-B-1.2-1.8	1/2 NPT X 1/8 FPT
AF-B-1.2-1.4	1/2 NPT X 1/4 FPT
AF-B-1.2-3.8	1/2 NPT X 3/8 FPT
AF-B-3.4-1.8	3/4 NPT X 1/8 FPT
AF-B-3.4-1.4	3/4 NPT X 1/4 FPT
AF-B-3.4-3.8	3/4 NPT X 3/8 FPT
AF-B-3.4-1.2	3/4 NPT X 1/2 FPT
AF-B-1-1.4	1 NPT X 1/4 FPT
AF-B-1-3.8	1 NPT X 3/8 FPT
AF-B-1-1.2	1 NPT X 1/2 FPT
AF-B-1-3.4	1 NPT X 3/4 FPT



## Coupling

Product Code	Description
AF-C-1.8	1/8 FPT
AF-C-1.4	1/4 FPT
AF-C-3.8	3/8 FPT
AF-C-1.2	1/2 FPT
AF-C-3.4	3/4 FPT
AF-C-3	3 FPT



## Cap

Product Code	Description
AF-CA-1.8	1/8 FPT
AF-CA-1.4	1/4 FPT
AF-CA-3.8	3/8 FPT
AF-CA-1.2	1/2 FPT
AF-CA-3.4	3/4 FPT
AF-CA-1	1 FPT
AF-CA-1-1.4	1- 1/4 FPT
AF-CA-1-1.2	1- 1/2 FPT
AF-CA-2	2 FPT
AF-CA-2-1.2	2- 1/2 FPT

# Brass Pipe Fittings



## Plug Hex Head

Product Code	Description
AF-PHH-1.16C	1/16 NPT, CORED
AF-PHH-1.8C	1/8 NPT, CORED
AF-PHH-1.4C	1/4 NPT, CORED
AF-PHH-3.8C	3/8 NPT, CORED
AF-PHH-1.2C	1/2 NPT, CORED
AF-PHH-3.4C	3/4 NPT, CORED
AF-PHH-1C	1 NPT, CORED
AF-PHH-1.8S	1/8 NPT, SOLID
AF-PHH-1.4S	1/4 NPT, SOLID
AF-PHH-3.8S	3/8 NPT, SOLID
AF-PHH-1.2S	1/2 NPT, SOLID
AF-PHH-3.4S	3/4 NPT, SOLID



## Lock Nut

Product Code	Description
AF-LN-1.8	1/8 FPT
AF-LN-1.4	1/4 FPT
AF-LN-3.8	3/8 FPT
AF-LN-1.2	1/2 FPT
AF-LN-3.4	3/4 FPT
AF-LN-1-1.4	1- 1/4 FPT
AF-LN-1-1.2	1- 1/2 FPT
AF-LN-2	2 FPT
AF-LN-2-1.2	2- 1/2 FPT



## Square Head Plug

Product Code	Description
AF-SHP-1.8	1/8 NPT
AF-SHP-1.4	1/4 NPT
AF-SHP-3.8	3/8 NPT
AF-SHP-1.2	1/2 NPT
AF-SHP-3.4	3/4 NPT

# Brass Pipe Fitting



## Long Nipple

Product Code	Description
AF-LON-1.8-1-1.2	1/8 NPT X 1- 1/2
AF-LON-1.8-2	1/8 NPT X 2
AF-LON-1.8-2-1.2	1/8 NPT X 2-1/2" LONG
AF-LON-1.8-3	1/8 NPT X 3" LONG
AF-LON-1.8-3-1.2	1/8 NPT X 3- 1/2" LONG
AF-LON-1.8-4	1/8 NPT X 4" LONG
AF-LON-1.8-4-1.2	1/8 NPT X 4- 1/2" LONG
AF-LON-1.8-5	1/8 NPT X 5" LONG
AF-LON-1.8-6	1/8 NPT X 6" LONG
AF-LON-1.4-1-1.2	1/4 NPT X 1- 1/2
AF-LON-1.4-2	1/4 NPT X 2" LONG
AF-LON-1.4-2-1.2	1/4 NPT X 2-1/2" LONG
AF-LON-1.4-3	1/4 NPT X 3" LONG
AF-LON-1.4-3-1.2	1/4 NPT X 3- 1/2" LONG
AF-LON-1.4-4	1/4 NPT X 4" LONG
AF-LON-1.4-4-1.2	1/4 NPT X 4- 1/2" LONG
AF-LON-1.4-5	1/4 NPT X 5" LONG
AF-LON-1.4-5.1.2	1/4 NPT X 5- 1/2" LONG
AF-LON-1.4-6	1/4 NPT X 6" LONG
AF-LON-3.8-1-1.2	3/8 NPT X 1- 1/2
AF-LON-3.8-2	3/8 NPT X 2" LONG
AF-LON-3.8-2-1.2	3/8 NPT X 2-1/2" LONG
AF-LON-3.8-3	3/8 NPT X 3" LONG

## Casted Square Head Plug



Product Code	Description
AF-CSHP-1	1 NPT
AF-CSHP-1-1.4	1- 1/4 NPT
AF-CSHP-1-1.2	1- 1/2 NPT
AF-CSHP-2	2 NPT
AF-CSHP-2-1.2	2- 1/2 NPT
AF-CSHP-3	3 NPT

# Brass Pipe Fittings



## Plug Hex Countersunk

Product Code	Description
AF-PHC-1.8	1/8 NPT
AF-PHC-1.4	1/4 NPT
AF-PHC-3.8	3/8 NPT
AF-PHC-1.2	1/2 NPT
AF-PHC-3.4C	3/4 NPT, HEX COUNTERSUNK



## Forged Cross

Product Code	Description
AF-FC-1.8	1/8 FPT
AF-FC-1.4	1/4 FPT
AF-FC-3.8	3/8 FPT
AF-FC-1.2	1/2 FPT
AF-FC-1-1.4	1- 1/4 FPT
AF-FC-1-1.2	1- 1/2 FPT
AF-FC-2	2 FPT