

Great companies are  
built on great products.

Elon Musk



**Axelon**  
Group



Integrating Value,  
Delivery Perfection,  
Globally



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Axelon Group headquartered in Jamnagar, India is an ISO 9001: 2008 manufacturing company focused entirely to serve the growing requirement of Brass Plumbing and Sanitary components of World Market.

From the Modest beginning in 1986, over the past 2 decades Axelon Group has come up a long way and have become the market leader in manufacturing of Brass Inserts and Valves with current exports to more than 29 countries all over the world.

Axelon Group's Qualified, Experienced and Motivated team has devoted years of Professionalism to achieve specialization in manufacturing of Brass Inserts and Components for CPVC, PPR, UPVC, PEX Fittings and Other Plumbing and Sanitary applications.

With one of the Highly experienced management, Finished production capacity of more than 7000 Tons per annum, Principle of Excellent Customer Service and Competitive pricing structure, Today we have become the unrivalled choice of our Customers.





Axelon

“

We are a family owned,  
professionally managed,  
technology oriented company,  
run by motivated individuals,  
adhering to fair business practices,  
to achieve a common goal of  
customers & share holders  
delight

”



Axelon Group has its modern State of Art manufacturing plant at Jamnagar which is spread over 200,000 Sq. Ft. This plant is equipped with latest Lathes and CNC Machines, Squeeze Die Casting Machine, Power Presses, Fully equipped Tool Room and a Technically Qualified Quality Assurance team. All required manufacturing processes under one roof not only helps us in meeting delivery deadlines but also gives us a better control on the quality of the final product.



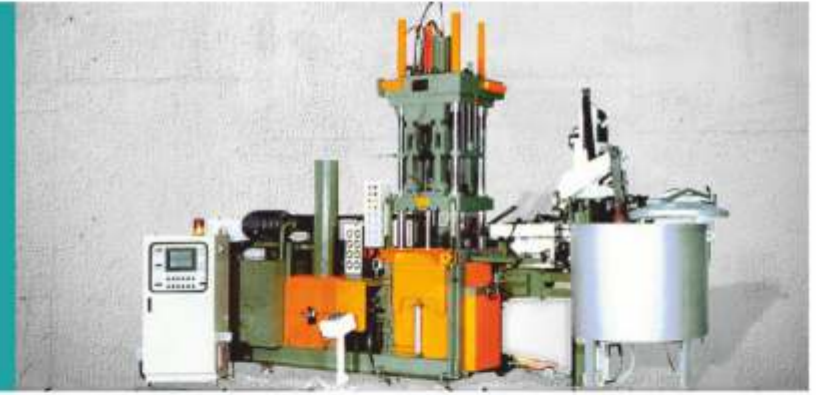
**Sand Casting**

Sand casting facility with current Sand Casting capacity of 1600 Tons per Month



**Squeeze Die Casting**

Imported Vertical Squeeze Casting Machine of 150 Tons



**Machining Facility**

Troube Type Automatic Machine ,  
Turning Machines,  
Drilling machines,  
Threading machines,  
Milling machines



**Tool Room**

Fully equipped in house tool room with all type of conventional machines and Center less Grinding machine



**CNC Machines**

Turning Centre,  
Polyturn Centre,  
Vertical Milling Machine



**Laser Marking and Pad Printing**

Fully automatic Laser marking and pad printing machine for final Branding of Customer



**Power Press**

Power presses from 5 ton to 120 tons,  
Pneumatic presses from 2 Tons to 40 Tons,  
Decoilers, Straighteners, Pneumatic Feeder stations



**Design Team**

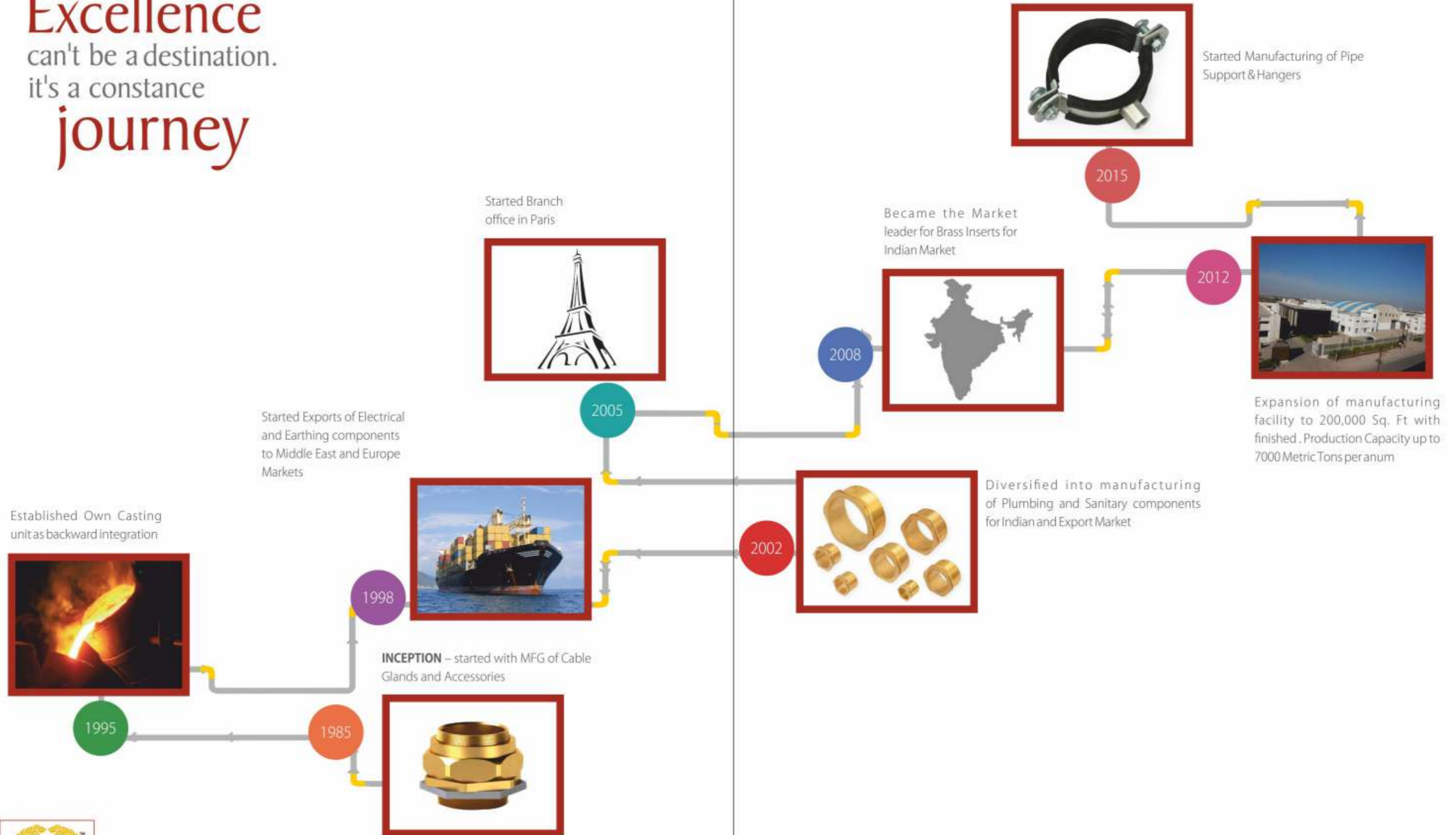
A team of highly qualified technical team working on improving existing product design and manufacturing process



Unity is strength...  
when there is  
**teamwork**  
and collaboration,  
wonderful things can be  
**achieved.**

Axelon Group strongly believes that the true differentiator and source of its competitive advantage is its human capital. A priority at Axelon Group has always been to promote a corporate spirit based on shared values and integrated synergies, nurture a high performance workplace and foster an engaging environment. We provide work environment where our employees can meet their potential and thrive in an atmosphere of excellence

# Excellence can't be a destination. it's a constance journey





Majority share of Axelon Group's success goes to its strict quality control procedure and its zero tolerance for inferior products. The Quality control department is equipped with all the necessary and latest testing equipment's. Quality Control forms an integral part at every stage right from receipt of Raw Material to delivery of finished goods.

Axelon Group has developed inhouse testing conveyor belt procedure to do 100% inspection of Important and critical dimension and Visual defects



SPECTROMAXx - OES Metal Analyzer



CNC based Vision Measuring System MITUTOYO



Plating Micron Thickness Testing



Hardness Testing Machine



Gauges

- ▲ Plain Plug Gauge Double Step – 130 sets
- ▲ Ring Gauge – 462 sets
- ▲ Snap Gauge – 240 sets
- ▲ Thread Plug Gauge – 340 sets
- ▲ Thread Ring Gauge – 226 sets
- ▲ Plain Plug Gauge – 780 sets
- ▲ Radius Gauge – 23 sets
- ▲ Box Gauge – 57 sets
- ▲ Special Gauges to Control Critical Dimension



Salt Spray Testing Machine





This profound specialization in producing brass inserts for plastic moulding has allowed Axelon to improve its day-to-day production processes in order to lower its own internal costs and make it very competitive. Also we can manufacture these Inserts as per Customers specification and Technical Drawings.

The entire range can be made under any of the following specification.

Threads	ISO Metric (MM Threads), BA, BSW, BSP, BSPT, NPT, UNC, UNF, UNEF
Size	½", ¾", 1", 1 ¼", 1 ½", 2", 2 ½", 3", 4"
Material	CW614N (CuZn39Pb3), CW617N (CuZn40Pb2), CW602N (CuZn36Pb2As), or any other customer specified Copper Alloy
Plating	Plating Natural, Nickel, Chrome, Tin Plating or any other coating as per customers specifications

**Brass CPVC Insert**



Brass PVC Inserts



Brass PPR Inserts



Axelon makes all type of Concealed, Stop, Gate and Angle Valves for type of fittings. Each Valve Comes with a **No Leak Guarantee**. Also each valve has option of Embossing of Customers Brand with Laser Marking or Pad Printing.

Concealed Valves

Triangle Type



Groh Type



Square Type



Oval Type



Sr. No.	Size
1.	1/2"
2.	3/4"
3.	1"
4.	1 1/4"
5.	1 1/2"
6.	2"

Stop Valve



Rosette Plate / Flange



Note : Any handle design can be manufactured as per Customer's Specification.

Angle Valve



Sr. No.	Size
1.	1/2"
2.	3/4"
3.	1"

Ball Valve



Float valve

Brass Float Valve are Screwed Male ends to BSP Threads as per IS:554 standard. These Valves are assembled with superior grade Rubber washer and are tested against Leaks They come with variety of Ball options



Our Brass Union range includes Brass Male Union, Brass Female Union, Brass Hex Unions, Brass Hex Nut

The entire range can be made under any of the following specification.

Threads	ISO Metric (MM Threads), BA, BSW, BSP, BSPT, NPT, UNC, UNF, UNEF
Size	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4"
Material	CW614N (CuZn39Pb3), CW617N (CuZn40Pb2), CW602N (CuZn36Pb2As), or any other customer specified Copper Alloy
Plating	Plating Natural, Nickel, Chrome, Tin Plating or any other coating as per customers specifications



Axelon offers a complete range of Polyethylene and Roto Moulding Internal and External Tank Connectors. These Connectors are suitable for different shaped Tanks like Vertical, Horizontal, Square, Rectangular and Insulated Tanks

The entire range can be made under any of the following specification.

Threads	ISO Metric (MM Threads), BA, BSW, BSP, BSPT, NPT, UNC, UNF and UNEF.
Size	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4"
Material	CW614N (CuZn39Pb3), CW617N (CuZn40Pb2), CW602N (CuZn36Pb2As), or any other customer specified Copper Alloy
Plating	Natural, Nickel, Chrome, Tin or any other coating as per Customers specifications.
Rubber	Odourless, High grade, PVC / Rubber Washer



Axelon makes entire range of Chrome Plated fittings for Sanitary and Plumbing markets as per below mentioned details

Threads	SO Metric (MM Threads), BA, BSW(Inches), UNC, UNF, BSP, NPT, Any Thread as per Customer Design.
Material	CW614N (CuZn39Pb3), CW617N (CuZn40Pb2), CW602N (CuZn36Pb2As), or any other customer specified Copper Alloy.
Plating	Available in Brass and Chrome Plating Finish
Range	<b>Light, Medium and Heavy Duty</b>
Packing	Axelon Brand Packing or Customer Brand Packing
Marking	Laser / Punch Marking as per requirement



Male Adaptor
1/2" x 1/2" x 10mm
1/2" x 1/2" x 15mm
1/2" x 1/2" x 20mm
1/2" x 1/2" x 25mm
1/2" x 1/2" x 30mm
1/2" x 1/2" x 40mm
1/2" x 1/2" x 50mm



Male Adaptor
3/4" x 3/4" x 15mm
3/4" x 3/4" x 20mm
3/4" x 3/4" x 25mm
3/4" x 3/4" x 30mm
3/4" x 3/4" x 40mm
3/4" x 3/4" x 50mm



Male Adaptor
3/4 x 1/2" x 15mm
1/2" x 3/8" x 15mm



Nipple
1/2" x 1/2"
3/4" x 3/4"
1" x 1"



Coupling (Socket)
1/2"
3/4"
1"



Reducer Bushing (Hex Reducer)
1/2" x 3/8"
3/4" x 1/2"



Elbow Female
1/2" x 1/2"
3/4" x 3/4"



Tee Female
1/2"
3/4"



Mixture Adaptor
1/2" x 3/8"



Long Nipple (10 Centimeter)
1/2" x 10 cm
3/4" x 10 cm
1" x 10 cm



Center Hex Connector
1/2" x 70mm
3/4" x 70mm
1" x 70mm
1 1/4" x 80mm
1 1/2" x 80mm
2" x 80mm
2 1/2" x 90mm
3" x 90mm



Tank Connector
1/2" x 60mm
3/4" x 60mm
1" x 60mm
1 1/4" x 60mm
1 1/2" x 60mm
2" x 60mm
2 1/2" x 80mm
3" x 80mm



Axelon make wide variety of Moulding Inserts for all different application with below specification and features

**Special Features:**

Deep Groove for maximum Pull out Resistance.  
Inner Diameter (I/D) after Threads with very close tolerance to prevent unnecessary flush to enter into the inserts.

**Available Knurling:**

- Straight
  - Diamond
  - Unidirectional
- Both blind and through inserts are available.

Threads	ISO Metric (MM Threads), BA, BSW, BSP, BSPT, NPT, UNC, UNF, UNEF
Material	CW614N (CuZn39Pb3), CW617N (CuZn40Pb2), CW602N (CuZn36Pb2As), or any other customer specified Copper Alloy
Plating	Available in Brass and Chrome Plating Finish
Length / Size	As per Customer Designs or Specification.



**Floor Drain**

Acknowledged for its longer functional life and high functionality, Drains manufactured by us have strict adherence to the predefined industry standards and comes with Guaranteed Raw Material

**Features:**

Raw Material – SS 304 and SS 202
Excellent functionality
Easy installation
Size : 3"x3"   4"x4"   5"x5"   6"x6"



**Waste Coupling**

Pop up Type Waste Coupling



Normal Waste Coupling



Material	Brass
Thread Size	1 1/4"
Plating	Chrome Plating
Rubber	High Grade ePDM Material
Marking	Option Possible

**Stainless Steel Braided Hose**

Details :

- 304 stainless steel wire
- EPDM inner tube
- f1/2" x f1/2" brass extrusion material accessory

Product performance :

- Water pressure : 1.2mpa
- Vertical force: 7.5mpa



Axelon made range of pipe clamps are used in fixing the pipes to the wall, ceiling and floor both Vertically and Horizontally

### Construction Features

Material	Made from Mild Steel (Cold Rolled Coils – CRC) SS 304 – 316 Clamps can be manufactured on request
Finish	Finished Electro Galvanized 15+ Microns – Galvanized Zinc Plated (Hot Dip Galvanized if required). Electro Galvanized as per ASTM B 633 Standards
Rubber	Can be supplied with EPDM lining Rubber for sound reduction. Heat Resistance more than 120 Centigrade

Split clamp



Sprinkler clamp



Heavy Saddle

Clevis clamps



U Bolt



Axelon is equipped and standing by to support your need for Low Lead Brass (commonly referred to as "No-Lead") components. Axelon Group offers the environmental advantages of the Low Lead Brass components without sacrificing the Quality.

We are introducing a complete range of lead-free Brass Plumbing Fittings and Valves under "Green B" brand name that meet California lead-free legislation and exceed the United States Safe Drinking Water Act. Also Green B range conforms to NSF's Annex G of NSF/ANSI61.



## New ROHS Directive

Moreover, All the Brass products of AXELON GROUP can be made from any of the following standard Materials according to the New ROHS Directive

European Material Design (DIN)	European Metal Codes	U.K. B.S. Material Codes	U.S.A. UNS Material Codes
CuZn36Pb2 As	CE602N	Cz132	C35330
CuZn36Pb3	CE603N	Cz124	C36000
CuZn37Pb2	CE606N	Cz131	C35300
CuZn38Pb2	CE608N	Cz128	C38500
CuZn39Pb3	CE614N	Cz121	C37710
CuZn40Pb2	CE617N	Cz122	
CuZn39Pb2	CE612N	Cz128	
CuZn38Pb1.50	CE608N		

RoHS Compliant Brass Material

Axelon Group currently has memberships & certifications with various prestigious Council, Associations & Quality Ratings agencies



Axelon Group's products, services, packing etc have some unique features which makes us stand out amongst our competitor.

## Products

- ▲ Leak Free designs can withstand high-pressure
- ▲ Products within tolerance limit of 0.05mm
- ▲ Machining range from 2mm till 175 mm
- ▲ All fittings have high quality appearance and good strength
- ▲ Every fitting can be marked with a traceability marking
- ▲ Male threads are capped with plastic cap for protection



## Services

- ▲ Axelon Group supports its customers with favourable Payment terms.
- ▲ To avoid production loss and stock outs at customers end, Axelon Group always keeps Safety Stock as per customer's requirements.
- ▲ The material shall be fully insured for transit as well as for any accidental occurrence or theft from Axelon's factory to Customer's port.



## Packaging

- ▲ Axelon Group understands the value of packaging and hence pay utmost importance in confirming that its packaging ensures uncontaminated and undamaged transportation.
- ▲ We use strong sea worthy corrugated cartons of standard quality for outer packaging. The box is then sealed with help of an Adhesive and Plastic strip.
- ▲ Each outer corrugated carton houses several cardboard boxes.
- ▲ Each inner Box is further packed in big Plastic Poly bag making the cargo water proof.
- ▲ Every outer and inner box has a Printed Sticker mentioning description of Item, Item code, Size, Quantity, Country of Origin and Destination.

