

## HIGH PRESSURE DIESEL FUEL INJECTION TUBES



Panchshil Plaza,  
201-204, A Wing, 55 Hughes Rd,  
Gamdevi, Behind Dharam Palace,  
Mumbai – 400007 Tel.: +91 22 23634179  
Fax: +91 22 23634392 Website: [www.gandhispecialtubes.com](http://www.gandhispecialtubes.com)  
GANDHI SPECIAL TUBES LTD. CIN : L27104MH1985PLC036004



ISO 9001:2015 & IATF 16949:2016  
Certified Company



Gandhi Special Tubes Ltd. delivers innovative and reliable tubular solutions to a diverse range of industries & niche markets in core sectors such as automotive and commercial vehicles, hydraulics, and general engineering. The Group manufactures client-specific seamless steel tubes, high-pressure tubes, welded tubes, and coupling nuts. We blend our technical expertise with uncompromising standards to provide top-notch quality with utmost precision.

We listen, we adapt, and we innovate to ensure that every interaction with us is a step towards achieving your goals. Our dedication for customer centricity along with our 38 plus years of experience has been instrumental in nurturing long standing relationships, establishing us as the preferred choice for our customers.

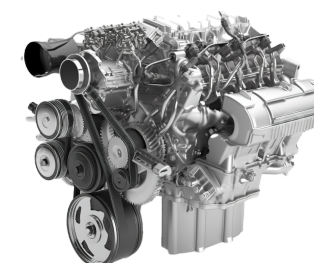
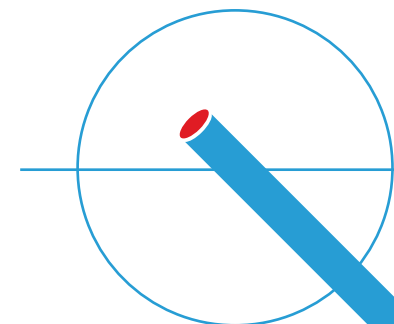
Throughout our history, we have remained steadfast in our commitment to quality, flexibility, and reliability. We continue to embrace new challenges and strive to redefine industry standards, driven by our passion for precision and our desire to shape the future of tubular solutions.

## Product Highlights

- Catering to all requirements of major Diesel Engine manufacturers, OEM's and auto ancillaries.
- Tubes are exclusively manufactured out of fully Aluminium killed steel to avoid problem of ageing which can lead to embrittlement & cracks.
- We closely monitor and control the dissolved gas content and trace elements in our Raw Material.
- Surface roughness on internal surface is well below 2 Microns Ra
- Default surface imperfection level is as per bore grade "R" according to ISO 8535. (Bore grade "P" can be supplied on prior agreement).
- Tubes are heat treated above the upper critical transformation temperature, resulting in exceptionally bright, scale-free, soft, and ductile tubes.
- Our tubes ensure an unparalleled level of reliability and ductility for various forming operations like bending, flaring, fluting, soldering, and ferrule biting.
- We offer flexible manufacturing options, delivering in small batch sizes or large orders, ensuring that you receive the quantity you want, precisely when you need it.

## Applications

- Automobiles (Diesel Engines)
- Construction Equipment
- Shipping Equipment
- Farming Equipment



# Specifications

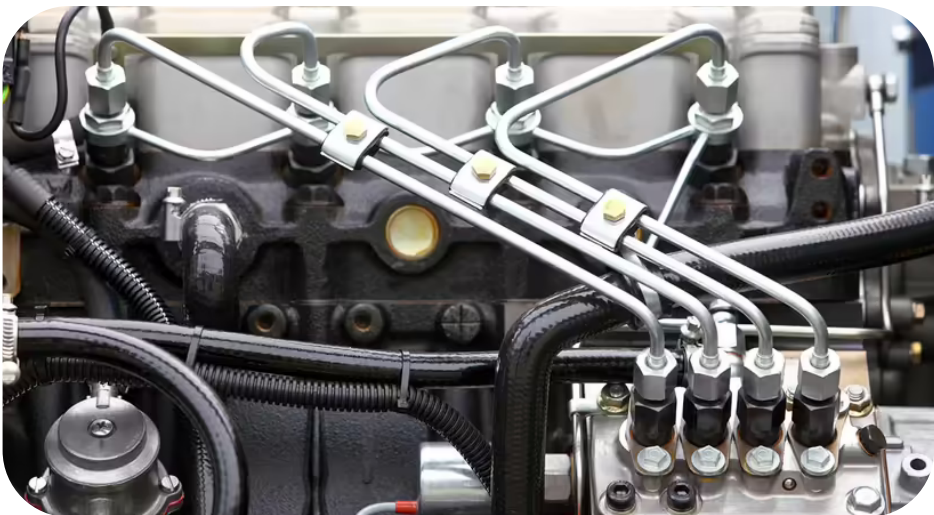
- DIN 73000 St 30 Al / St 52.4
- ISO 8535
- SAE J1958

Client specific requirements on technical parameters are offered.

# Standard Sizes:

6.00 mm OD x 2.00 mm ID	6.00 mm OD x 1.50 mm ID
6.00 mm OD x 1.80 mm ID	6.00 mm OD x 2.40 mm ID
6.00 mm OD x 2.50 mm ID	6.00 mm OD x 1.75 mm ID
6.35 mm OD x 2.00 mm ID	6.35 mm OD x 1.80 mm ID
8.00 mm OD x 3.00 mm ID	8.00 mm OD x 2.40 mm ID
6.00 mm OD x 1.25 mm ID	9.53 mm OD x 2.76 mm ID

Other sizes can also be manufactured on request.



# Where Precision Meets Radiance: Inside Our Bright Annealing Furnace

The tubes manufactured by Gandhi Special undergo Bright Annealing in an advanced German continuous Roller Hearth Furnace. This method ensures that the tubes emerge absolutely bright and completely free from any scale formation. The remarkable outcome of this process is that our tubes do not require any pickling or buffing, setting them apart from traditional practices in the industry.

It's worth noting that traditional pickling methods involve the use of acid, and even after rigorous rinsing, acid residues can persist inside the tubes, which, over time, exacerbate rust and contamination issues. As a result, pickled tubes are not suitable for critical applications, further underscoring the exceptional advantages of our Bright Annealed tubes.



# Quality & Inspection

Nothing is more important to us than Quality! At Gandhi Special Tubes Ltd, we have implemented a robust quality management system that leaves no room for compromise. Our products conform to Indian & International standards and are manufactured with optimum process control and quality checks at every step from incoming raw material to dispatch of finished products.

Each tube is precisely crafted to meet the most stringent tolerances that our customers demand. Our manufacturing plant is fully equipped with a chemical laboratory, metallurgy department and advanced destructive and non-destructive testing equipment conducted by highly qualified engineers to ensure that each tube meets our clients desired specifications.

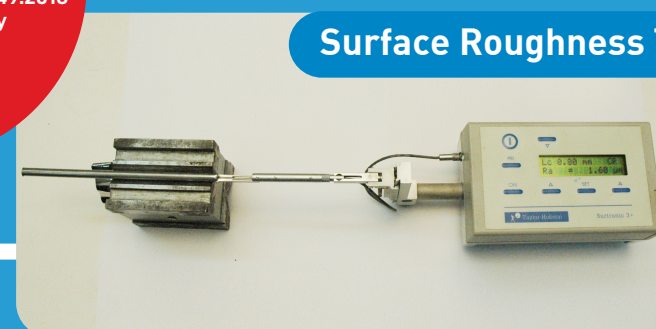
In recognition of our unwavering dedication to quality, we are proud to be an IATF 16949:2016 certified company. This globally recognized certification validates our adherence to the highest standards of metal fabrication and contract manufacturing. We look forward to decades of top-quality "Make in India" manufacturing!

- Microhardness Test
- Tensile Test
- Hydrostatic Pressure Test
- Eddy Current Test
- Flattening Test
- Flaring Test
- Bending Test
- Surface Roughness Test

- Bubble Test
- Hardness Test
- Burst Test
- Salt Spray Test
- Chemical Composition
- Metallurgical & Stereo Microscopy
- Dimensional Checks



**Surface Roughness Test**



**Dimensional checks**



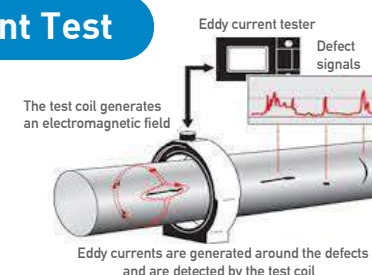
**Flaring Test**



**Chemical Composition**



**Eddy Current Test**



**Tensile Test**



**Micro hardness Test**

