

WELDED & SEAMLESS TUBES



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**DELIVERING
RESULTS,
RELIABILITY
& DEPENDABILITY
EVERYTIME. ONTIME**

 **AVON TUBETECH PVT. LTD.**

the beginning

Precising bonds of trust and reliability

Driven by the dynamics to excel, **Avon Tubetech** made a humble beginning in 1997 and now its one of India's fastest growing business house in tubes industry. For the past two decades, the company has been continuously guided by its mission : **To excel in quality business** and the Vision : **To be recognized nationally & internationally both as best supporting partner.**

Enshrined in every employee of the group are the core values that motivate every inspired step we take. No wonder, the Company has grown from strength to strength and is all set to become a leading innovator...trailblazing new paths.

Strategically located just 40 Km from New Delhi in Faridabad, Haryana (India), a reputed industrial hub, our set up includes three manufacturing plants equipped with latest state-of-the art machinery, covering 400,000 sq ft. area produces steel tubes and about 500 skilled technical human resource to meet your every demand. We are well connected from road and rail for perfect procurement and delivery system



and close to the Inland Container Depot, making our location ideal for exports.

It's the trust that our customers have reposed in us that has seen us roll out an entire range of products in Precision Steel

Tubes. Company has the capacity to produce 24000 MT ERW Tubes, 15000 MT CDW Tubes and 6000 MT CDS Tubes per annum.

At Avon Tubetech, adherence to strictest quality standards is not just a practice. It's a way of life. And it defines the way we do business. Of course, the fact that we have the latest tools and equipment in the business has gone a long way in maintaining the exact quality standards that we have set for ourselves.

Our Vision is to be recognized nationally & internationally both as best supporting partner.



the growth

Rolling quality tubes

Supplementing our efforts in maintaining these high standards is the infrastructure we have built over the decades. State of the art infrastructure, well networked connectivity with our customers and effective in-house systems and processes mean that we have a happy, content and satisfied customer base at the end of the day.

Our Plant/s is accredited with Global Quality Standard of ISO 9001:2008 & ISO /TS 16949 from VINCOTE, Belgium for producing ERW, CDW and CDS tubes in as Drawn, Annealed & normalized with bright surface conditions.

Our plant/s has been approved by major OEM's like Maruti Suzuki, Hero Motocorp, Honda Motorcycle, Suzuki Motorcycles, JCB, Mahindra & Mahindra, John Deere Tractor, Telcon & from energy sector by Engineers India Ltd. & Indian Boiler Regulation boards.



Pickling Plant



Slitting Process



Tube mill

At Avon we are manufacturing Electric Resistance Welded tubes (ERW) , Cold Drawn Tubes (CDW) and Cold Drawn Seamless tubes (CDS) . We have forged a reputation for innovation and technical superiority in our production.

infrastructure

Our infrastructure includes, three state of the art Mills supplied by MAS Germany covering a wider range using solid state high frequency welder of Thermatool, USA with online Eddy Current Testing.

To ensure the best quality & consistency in the weld ability of tubes, we have in house facility like pickling & slitting of wider coil upto 1600mm with edge free surface as it gives better strength in welding.

Tubes manufactured are further taken to different processes like annealing (Roller Hearth Annealing Furnaces with controlled atmosphere), drawing on modern draw benches etc for the manufacture of a wide range of ERW & CDW precision tubes with close tolerances. A Special procedure is developed to process smooth ID with mirror view finish and close tolerances for **CBQ/SSID Tubes**, these tubes are used for **hydraulic cylinders, Shock absorbers, front fork and gas spring**. Further, all tubes are put through online Eddy Current Tester and are also physically checked for quality before they are packed and dispatched.



Surface Treatment Plant



Draw Benches



Bright Annealing Furnace

Annealing Furnace



Quality

the guiding force

The concept of Total Quality Management (TQM) is built into our organizational structure and operations.

We have adequate inspection & chemical testing procedures starting from procurement of raw materials to manufacturing of finished product. We have a well-equipped laboratory and professional manpower to assure the quality of our products.

We have Online eddy current testing on all the Tube Mills, as well as off line Eddy Current with **dual frequency system with auto sorting mechanism**. **Hydro Pressure Testing** is also available as per customer requirement.

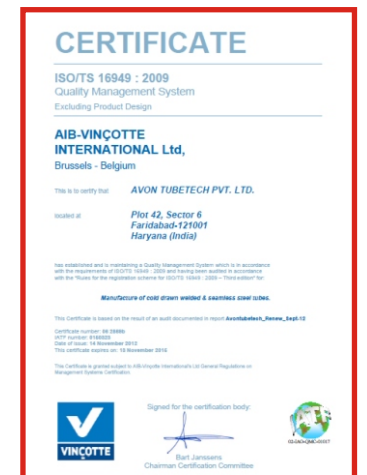
The metallurgy is done with microscope, specially designed software with digital camera and image processing to find out grain structure, size and purity of particles etc. Spectrometer for chemical analysis and all other mechanical properties are thoroughly inspected with fully computerized control universal testing machine, hardness tester, magnaflux etc.

Apart from works inspection, the finished products are examined as per various national & international quality standards. Company also offers third party inspection by renowned agencies like Llyods, DNV, BVQI, SGS, TUV etc.

Our complete focus is towards consistent quality, adhere to delivery schedule, customized product mix,



UTM



Offline Eddy Current



Hydro Testing

competitiveness and immediate compliance of complaints, a policy which has become a habit now.

Products

& applications....

Avon Tubetech has an impressive Product line, manufactured in accordance with national and international standards. The company has an integrated ERP system that controls material, production and inspection to ensure that deliveries are on time. To ensure best quality of our product, we procure raw material from the world class steel mills.

Our Product Line includes :

Electric Resistance Welded Tubes (ERW)

We are manufacturing ERW tubes which can be supplied in Annealed and As-Welded condition. These tubes are used for various applications like :

- Automobiles
- General Engineering
- Propeller Shaft
- Heat Exchanger Tubes
- Boiler & Air Heater Tubes
- Structural Tubes



SIZE RANGE

OD - 10.00mm - 81.20mm

Thickness - 0.90mm - 5.50mm



Cold Drawn Welded Tubes (CDW/DOM)

We are manufacturing CDW tubes which are also supplied in Annealed, Bright Annealed and As-Drawn condition. These tubes are used to achieve close tolerances in OD & ID. These are used for applications like :

- Automobiles & Mechanical
- Propeller Shaft
- Shock Absorber Tubes (SSID)
- Bobbin Tubes for textile industry
- Telescopic Front Fork Tubes
- Hydraulic Tubes

SIZE RANGE

OD - 8.00mm - 74.00mm

Thickness - 0.80mm - 5.00mm

Cold Drawn Seamless (CDS) Precision Tubes

We are processing seamless tubes which are also supplied in Annealed, Bright Annealed and As-Drawn condition.



Straightening Machine



Socco Champfering Machine

These are used for applications like :

- Automobiles & Mechanical
- Boiler Tubes
- Heat Exchanger Tubes
- Fuel Injection Tubes
- Hydraulic Tubes

SIZE RANGE

OD - 8.00mm - 170.00mm

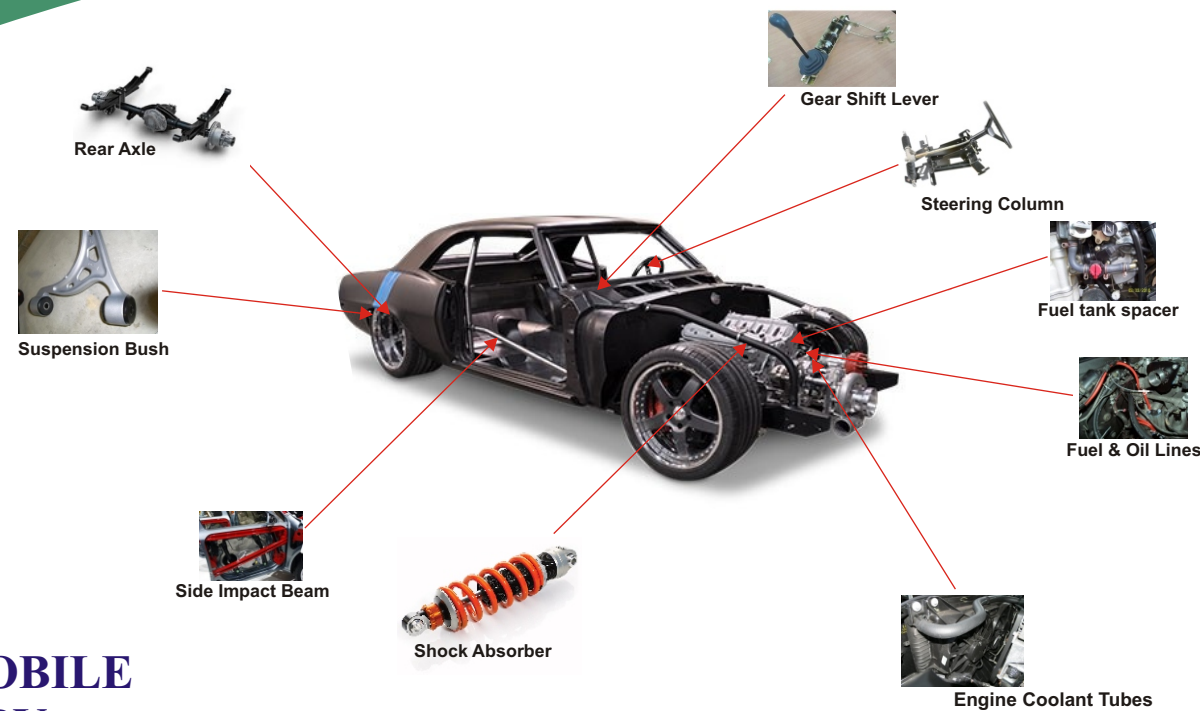
Thickness - 0.80mm - 25.00mm

We can supply Heat Exchanger Tubes in Bright Surface Finish also.

We are approved from Engineers India Ltd (EIL) and Indian Boiler Board (IBR).

Products

& applications...



AUTOMOBILE INDUSTRY



The Company has crossed many milestones in achieving technical mileage and developing new products. We also manufacture tubes to meet the requirements for General Engineering products like : Hydraulic & Pneumatic Tubes, Main beam for pedestal Fans, Bobbins, Bearing & Spindles, Oxygen Lancing Pipes, Bus body structures and other applications.

STANDARD SPECIFICATIONS FOR ERW & CDW (ERW-CDW/DOM)

Group of Industries		INDIAN	BRITISH	JAPANESE	GERMAN	AMERICAN
AUTOMOBILE & GENERAL ENGG.	SPECIFICATION	IS 3074	BS 6323	JIS G-3445	DIN-2393 EN-10305-2 EN-10305-3	ASTM-A-513
	GRADE	ERW-I ERW-II CEW-I CEW-II		STKM-11-A STKM-12-A STKM-12-B STKM-12-C STKM-13-A STKM-13-B STKM-13-C	E-155 E-195 E-235 E-275	1008 1010 1020 1026 SAE J-356 SAE J-526 SAE J-525
BOILER TUBES & HEAT EXCHANGER TUBES	SPECIFICATION	IS 1914	BS 30 ST	JIS G-3461		ASTM-A-214
	GRADE					SA-214 SA-178

STANDARD SPECIFICATIONS FOR CDS

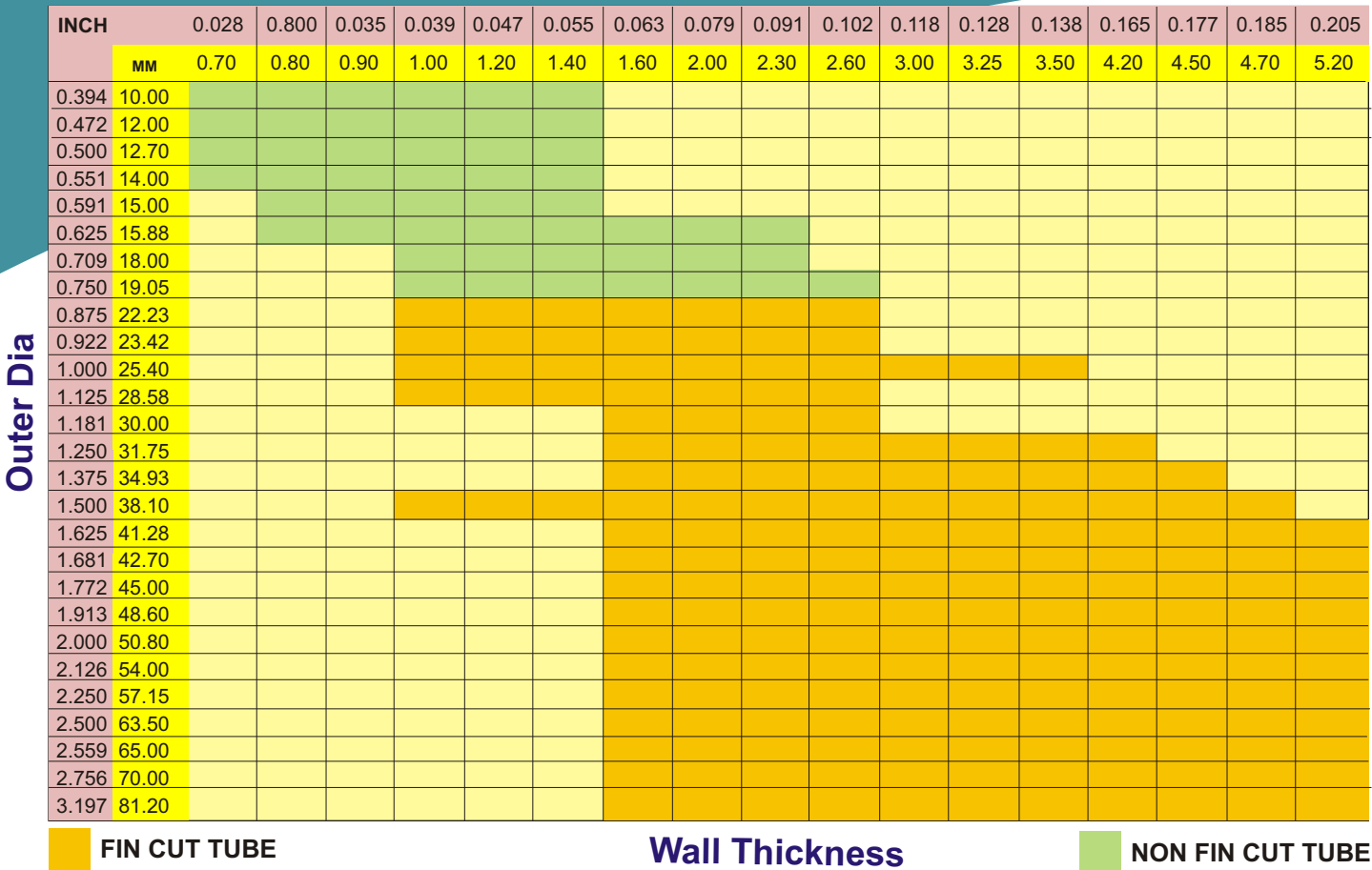
AUTOMOBILE & GENERAL ENGG.	SPECIFICATION	IS 3074	BS 6323	JIS G-3445	DIN-2391 EN-10305-1 EN-10305-4	ASTM-519
	GRADE	C-45 S45C8 S45C CDS-1 TO CDS-9		STKM-11-A STKM-12-A STKM-12-B STKM-12-C STKM-13-A STKM-13-B STKM-13-C	E-215 E-235 E-355	J-524 SAE-1010 SAE-1020 SAE-1026 SAE-1040 SAE-1541 SAE-4130
BOILER TUBES & HEAT EXCHANGER TUBES	SPECIFICATION	IS 1914	BS 3059	JIS G 3462		
	GRADE		320 360 440			SA-179 SA-192 SA-210

SYMBOL

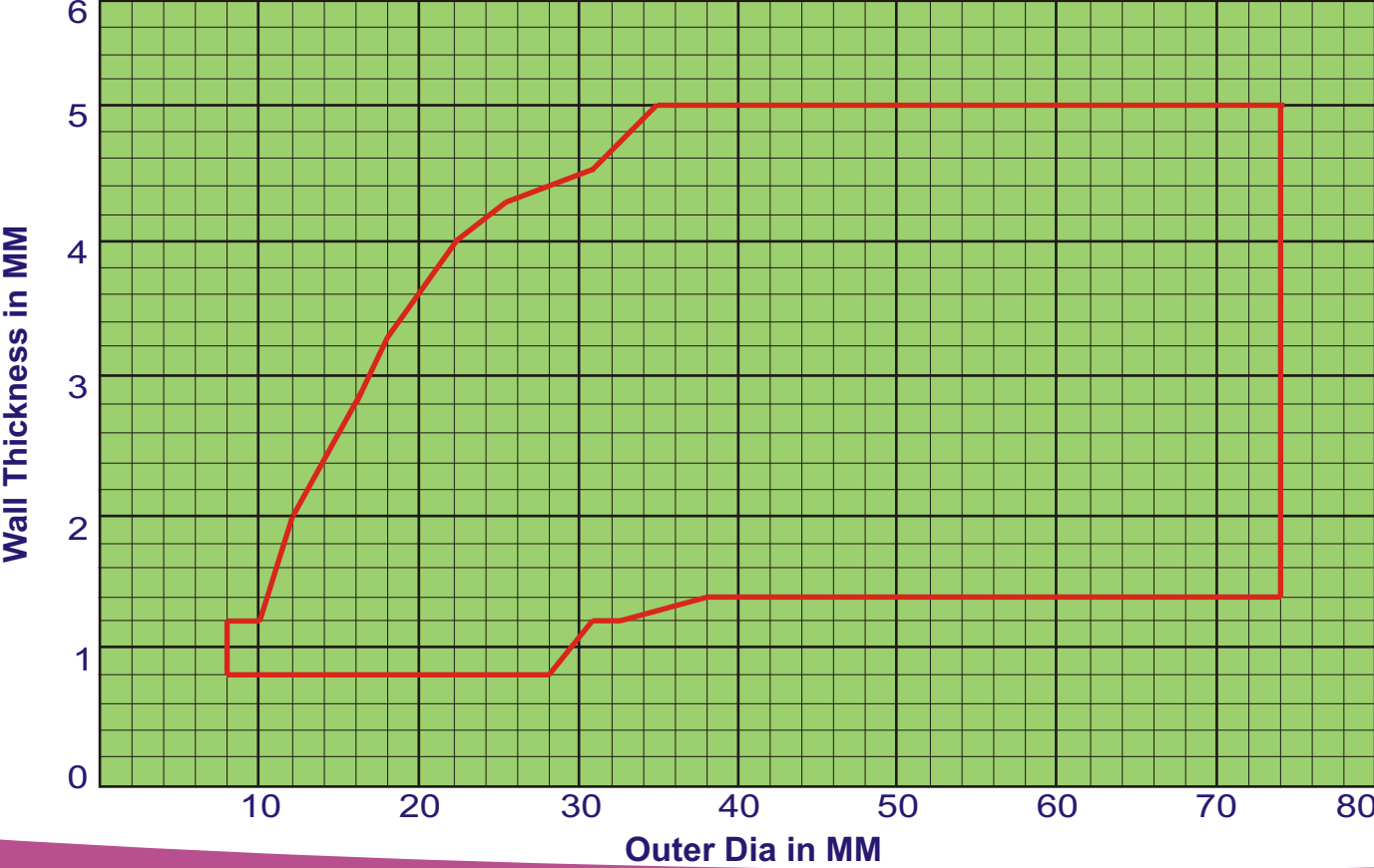
DESIGNATION

+C (BK)	Cold Drawn / Hard
+LC (BKW)	Cold Drawn / Soft
+SR (BKS)	Cold Drawn and Stress Relieved
+A (GBK)	Annealed
+N (NBK)	Normalized

ELECTRIC RESISTANCE WELDED (ERW) TUBE SIZE RANGE



COLD DRAWN WELDED (CDW/DOM) TUBE SIZE RANGE



COLD DRAWN SEAMLESS (CDS) TUBE SIZE RANGE

