

Dura-Tube®

Description

Dura-Tube® is a suite of products, produced either through a proprietary continuous cast or trepanned process. It is available in a variety of outside diameter (O.D.), inside diameters (I.D.), wall thicknesses, lengths, and grades. Dura-Tube conforms to ASTM specifications. Dura-Tube produced using the continuous cast process yields a more concentric tube for optimal machine processing, and a distinct advantage of Dura-Tube compared to centrifugal castings is in the stock removal process. Most machined parts require boring a hole—a time-intensive machining operation. Dura-Tube products mitigate the need for hole boring, saving time; and since Dura-Tube weighs less than a standard bar, customers will also benefit from lower freight costs, saving time and money.

Applications

Dura-Tube can be used in several applications including (but not limited to):

- Oil and gas

- Slips
- Bit sleeves
- Packers
- Ball seats



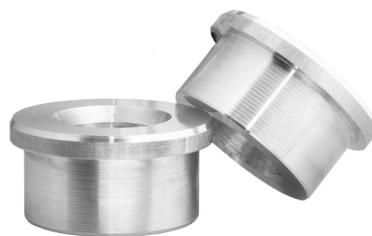
- Automotive/Heavy Truck/
Transportation

- Cylinder liners, lapping sleeves, upper/lower rings
- Connecting rods
- Gears



- Power Transmission

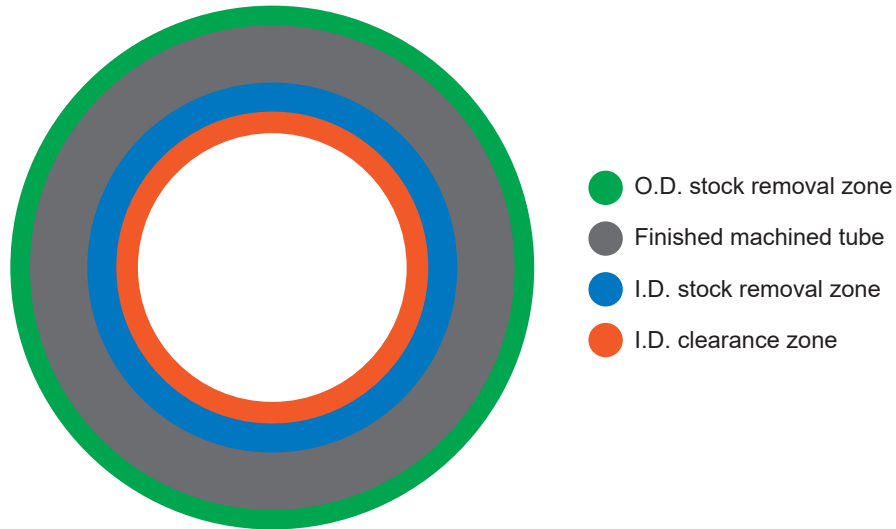
- Cylinder liners
- Shaft adapter
- Pully
- Sheaves
- Bushings



Process

Continuously Cast

- Ideal for thin wall applications (<0.375")
- There is better I.D. and O.D. centricity
- Increased tensile strengths
- Available in O.D.'s < 6.375"



Note: For Dura-Tube continuously cast, O.D. stock allowances follows the same guidelines as solid round bars.



Trepan

- Ideal for thicker wall applications (>0.375")
- Application requires an O.D. > 6.375"
- Reduces the amount of customer machining time
- A more precise I.D.

Minimum Dimensions

Nominal O.D.	Minimum wall thickness
0.000" - 3.000"	0.562"
3.001" - 6.000"	0.625"
6.001" - 12.000"	0.687"
12.001" - 16.000"	0.750"



Certifications

Dura-Bar's proven quality is backed by several industry certifications and standards. We constantly strive to meet and exceed our customer's requirements for performance and productivity

Disclaimer

All of the above information is for reference only. Actual results are influenced by process variables and actual size of the raw material.

Machinability: the above information is recommended as a starting point for machining Dura-Bar SSDI Continuous Cast Iron only. The parameters laid out may be too aggressive for iron castings or foreign material. Results may vary depending on the manufacturer or grade of the tool insert used, the type of equipment used, the geometry (round, square, rectangle, etc.) of the raw material, as well as the desired tool insert life.

Visit www.dura-bar.com/applications/index.cfm to see successful applications being made from Dura-Bar, including their design and cost benefits. Contact us today to discuss your application and how you can start saving with Dura-Bar.