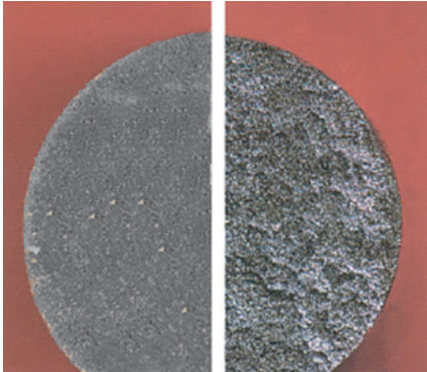


Dura-Bar vs. Castings



Dura-Bar

Sand Casting

- No typical casting defects
- Dense fine-grained microstructure
- Zero-Defect Guarantee
- No pattern or tooling costs
- Over 500 sizes available from inventory

Dura-Bar continuous cast iron is a high quality alternative to castings. The advantages of Dura-Bar over castings are many. With Dura-Bar, there are no defects like those typically found in castings – e.g., porosity, slag, hard spots, shrinkage, etc. In fact, Dura-Bar comes with a unique *Zero Defect Guarantee* that not only provides for the replacement of any defective material, but also for reimbursement of costs involved with machining it.

Dura-Bar's material consistency stems from the continuous casting process used to produce it. Continuous casting involves pulling bars through a graphite die at the bottom of a crucible filled with molten iron. Dross, slag, and other impurities float to the top of the crucible and never make it into the cast bars.



Above is an example of a pump nozzle fitting, made from Dura-Bar (left) and as a casting.

Besides eliminating defects, continuous casting also yields an especially fine-grained microstructure which permits faster machining and extended tool life. This boosts throughput and lowers a manufacturer's cost per part. It also permits better surface finishes.

If you have a part currently made from a casting, contact Dura-Bar today to learn more about improving material quality and costs savings options.