

Flexible Shaft Coupling

Industry	Pump and Compressor
Dura-Bar Grade	65-45-12 Ductile Iron
Original Material	Gray Iron Sand Casting
Problems Solved	Availability, Material Quality, Difficulty Machining
Cost Savings	Total part cost reduced by 10%



The customer converted to Dura-Bar for a number of reasons, including availability, consistent quality and machinability. Lengthy lead times were becoming the norm for the machine shop purchasing the material used in this flexible shaft coupling. It could take anywhere from 12 to 20 weeks for the shop to receive its material. When the customer finally obtained his order, he often ran into a notorious problem with sand castings: inconsistent quality.

By purchasing Dura-Bar through its extensive distributor network, the customer was able to schedule material when he needed it, even as quickly as the next day, reducing inventory cost, and headaches.

Dura-Bar's process virtually eliminated scrap costs from the shrinkage, porosity and tool wearing inclusion that frequently occur in static iron castings. The result is improved machinability (the customer reduced his cycle times by 20 percent), extended tool life and reduced scrap. That translates into a direct cost saving in the production of the final part. In this application, Dura-Bar forms the hub, which is approximately 3" in diameter. This coupling is used in a wide variety of industries, including the pulp, paper, steel, petrochemical and pumps.

Contact us today to discuss your application and the cost saving opportunities with Dura-Bar.