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# Solution Strengthened Ductile Iron - SSDI

With improved strength and ductility, SSDI is an excellent alternative to 1045 steel used in a variety of oil & gas and fluid power applications. One of the key features of SSDI is the enhanced

machinability due to the addition of silicon. Machining trials yielded approximately 30 percent greater productivity in addition to no negative impact in tool wear.

## Applications\*



Fluid Power



Oil & Gas

- Compressor rotors
- Hydraulic manifolds and cylinders
- Plug valve inserts
- Crossheads

\* sample representation only

## Why SSDI?

- Better consistency
- Improved machinability
- Improved strength and ductility

# 30% Productivity Increases

with no negative impact in tool wear

## Mechanical Properties

Tensile strength, psi min.: **75,000**  
Yield strength, psi min.: **55,000**  
Elongation, % min.: **15%**

Backed by Dura-Bar's Zero Defect Guarantee, SSDI is available through our network of distributors which can be found at [www.dura-bar.com/buy/](http://www.dura-bar.com/buy/)

