

Bestweld, Inc.

40 Robinson Street, Pottstown, PA 19646

PH: 610-718-9700

FAX: 610-718-9800

Bestweld Belled End Fittings – 2006

Opportunities for Productivity Improvement in the Welding Industry:

- automation of welding processes
- greater consideration of welding requirements during product design
- improved quality control in materials and components to be joined
- use of "lean manufacturing" approaches
- increased knowledge sharing of productive practices between and among industries
- cooperative R and D programs

Currently:

- less skilled welders available in the job market
- welding costs and productivity accounting are lacking in the marketplace
- welding defect rates in most industries are high

Bestweld Fittings Provide:

- Easier welding
 - Fillet welds as opposed to butt welds can be done in most cases (4x faster)
 - Lower welding skill required
 - Lower labor costs – Increase in productivity
 - less prep time
 - reduced inspection time
- Reliable finished welds
 - Eliminates problems with misalignment and wall thickness mismatch inherent in Butt weld joints
- High Alloy products for stringent requirements

Bestweld Belled-End Pipe Fittings:

- Background
 - Belled-end pipe fittings have tangent ends that are belled to form a socket
 - Standardized design MSS SP-119 – belled-end replaces forged socket weld, cast socket weld and butt welding fittings
- Benefits
 - Fillet weld as opposed to butt weld
 - Faster – Easier – Accommodates most welder skill levels
 - More robust weld
 - Can be easily inspected

Belled End Fittings Cost of Ownership Savings

- 75 – 80% Joint Preparation Savings – no pipe end or fitting end machining
- 20 – 30% Fitter Labor Rate Savings – lower joint preparation skills required
- 100% Material Savings – no backing rings
- 10 – 20% Welder Labor Time Savings – reduced welding time
- Don't forget the QUALITY and RELIABILITY of the weld!



240 W. Britain Avenue
PH: 269-925-7552

Benton Harbor, MI 49022-7438
FAX: 269-925-7512

www.solutionsinmetals.com