CHROMEWELD FLOW is a unique piping system that is ideal for material movement with high levels of abrasion resistance. It is a premium grade of chromium carbide wear pipe, providing up to ten times the life of a carbon steel pipe. It is produced with a steel pipe and hardfaced/overlayed with welding wire. CHROMEWELD FLOW will yield outstanding results if you follow these helpful instructions.

Fabrication Facts
Cutting: Plasma burning, air arc, abrasive saw cutting, or waterjet.
Machining: The overlay surface can be finished by grinding only. EDM, plasma arc cutting, or carbon-arc gouging may produce countersunk holes for bolts. Pre-machined mild steel inserts may be welded into straight holes for additional machining. CHROMEWELD FLOW cannot be machined by ordinary methods.
Cold Bending: Material is not readily formable.
Welding: CHROMEWELD FLOW overlay pipe can be joined by welding substrate to substrate using 309 weld wire/rod. Fittings include bends, elbows, tees and reducers. All interior weld seams and all other joints exposed to wear should be protected by a cap weld of CHROMEWELD FUSION.

Mechanical Information
CHROMEWELD FLOW typical hardness ranges from 52-56 HRC with a single weld pass thickness. On a double weld pass the hardness increases to 58-62 HRC.

General Overlay Chemistry
- Diameters Available from 5” – 48”
- Lengths will vary based on diameter of the pipe.
- CHROMEWELD FLOW displays excellent abrasion resistance and will withstand continuous moderate impact.
- CHROMEWELD FLOW overlay will remain abrasion resistant at temperatures up to 1100°F.
- Standard wall thicknesses range from 1/8” – 3/8”
- Your specific application needs, including custom requirements (thickness, alloy and size), are capable at JADCO.

The JADCO process produces a microstructure consisting of fully austenitic matrix filled with primary carbides. This structure provides outstanding abrasion resistance in the most challenging applications.

Applications
Coal Processing  Power Generation  Pulp and Paper
Dredging Lines  Sand Slurry  Mining Back