



The Klambon piping system is widely recognised as the most efficient pipe joining system available. The shouldered and grooved systems include piping, couplings and a comprehensive range of fittings.

Klambon piping is manufactured according to the highest specifications laid down by international standards authorities. The system is designed to be interchangeable with all international shouldered and grooved systems, and is offered in various wall thicknesses.

## Features

- The Klambon Coupling is made from black heart malleable Spheroidal graphite (Ductile) iron or hot rolled steel profile. The coupling halves engage in cut or rolled radial grooves in the pipe or fitting ends.
- The Grooved Pipe is formed by cutting a radial groove into the pipe or by roll grooving the pipe ends.
- Standard size piping to international specifications is used.
- The Klambon Gasket is retained within the coupling body and sits firmly across the two pipe ends, ensuring positive sealing of the joint.
- Corrosion protection of the coupling can be either in galvanized or painted form.
- Two Cup Oval Neck bolts made of high tensile steel are used for quick, low cost installation of the coupling. These bolts are normally supplied electro-galvanized or hot dipped galvanized



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## Advantages

### ■ Cost Saving

- Fast assembly
- No special skill needed
- No special tools needed
- No welding needed
- No need for heavy thick wall piping

### ■ Time Saving

- Each joint is a union
- Easy add-on potential
- Easy removal of section for repair or cleaning
- Allows exact directional positioning of bends

### ■ Design Saving

- Exact fit not essential
- Permits deflection at joints of up to  $1\frac{1}{2}^\circ$  from centre line
- No need for special adjustment
- No build up of pipe stress

### ■ Joint Reliability

- Pipe secured by full circumferential engagement within coupling housing
- Minimum noise and vibration transmission

### ■ Leak Tight

- Positive sealing under pressure
- Centralises coupling housing automatically over pipe ends
- Effective seal under vacuum

### ■ Versatile

- Can be used with compressed air, hot or cold water, slurries and other fluids
- Special pipe lengths can be cut on site and grooved on a portable machine
- System is readily adaptable to changing work requirements

