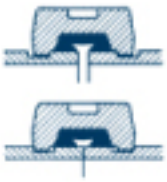
Roll Groove Piping Method

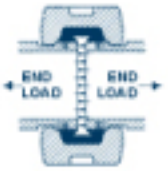
Roll groove fittings are universally utilized for joining pipe in a variety of piping systems. The grooved piping method offers many mechanical design features, which benefit the design engineer, the contractor and the end user. The use of roll groove fittings is more widely applicable with labour costs increasing in proportion to material costs, grooved piping offers a number of potential benefits.

features



Rigidity or Flexibility

Couplings are available where rigid connections are required. Couplings with flexible design allow for pipe expansion and contractions with temperature changes. The need for an expansion joint is minimised or eliminated.



Self Restraining Joint

The couplings engage the pipe around the entire circumference and restrain the pipe ends from separation due to pressure and other forces, up to the maximum benefit of roll grooved piping method.

Convenient Joint

Roll groove couplings can be disassembled easily permitting maintenance and servi cing of the piping system. It will facilitate periodic rotation of pipe to distribute internal wear from slurries or other abrasive media.

Joint Deflection & Misalignment

The flexibility designed in Roll Groove couplings will accommodate misalignments caused by imprecise location of pipe opening through walls and floors, will provide pitch for drainage piping systems and facilitate laying pipe on uneven terrain, thus permitting deflection in any direction.

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Roll Groove Piping Method...continued

Noise & Vibration

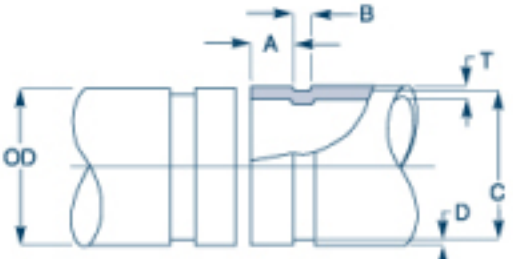
The resilient elastomeric gasket and pre designed gap of Roll Groove couplings help isolate and absorb noise and vibration; this minimises vibration transmission.

Piping Stress

Flexibility designed in Roll Groove couplings absorbs and eliminates stress from settlement of buried pipe or those induced by seismic tremors.

specifications

Roll grooving is applicable for a wide range of pipe thickness up to 9.5mm wall steel pipe and sizes to DN600. The pipe O.D. must be within the tolerances listed. Pipe end flare after roll grooving shall not exceed the listed limit 'f'. Gasket seat shall be free from harmful flaws, indentations, rust, remnants of grease, paint, galvanizing spelter or any other defect likely to impede the sealing function of the gasket.

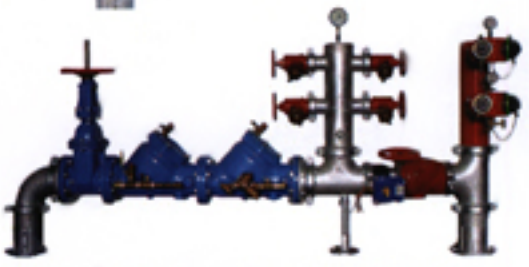


Pipe O.D.: DN25 to 150 - ISO 65 - Medium (equivalent to AS1074 Medium) DN200 - ANSI B36. 10

100mm Hydrant suction/Booster Assembly Common Configuration

150mm Hydrant suction/Booster Assembly Common Configuration

100mm Fabricated Twin Riser



Back Flow Suction/Booster Assemblies in Reduced Pressure Zone and Double Check/Double Detector Check

Booster Cabinet

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