Welded joints provide 100% structural integrity. Where an internal and external weld is used, this can permit a pneumatic test of the field weld prior to backfilling. Steel Mains offers a variety of welded connections to suit various applications and can be combined with rubber ring joint pipes using ‘changeover’ pipes to achieve optimal outcomes both in terms of design and construction of water pipelines.
SPHERICAL SLIP-IN JOINT (SSJ)
FOR SMALL–MEDIUM DIAMETERS

Sizes: 168mm to 1422mm OD
Joint deflection: Up to 3°
Pressure rating: Full pipe pressure
Wall thickness: Up to 11mm

ADVANTAGES
- Permits internal & external fillet weld for larger than 762mm
- Enables pneumatic field testing of joint—if welded internally
- Full axial restraint—reducing requirement for concrete thrust restraint
- Minimises bends using joint deflection
- Compatible with SSJ fittings

BEST FOR: Welded restraint in smaller to medium diameter pipelines

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