

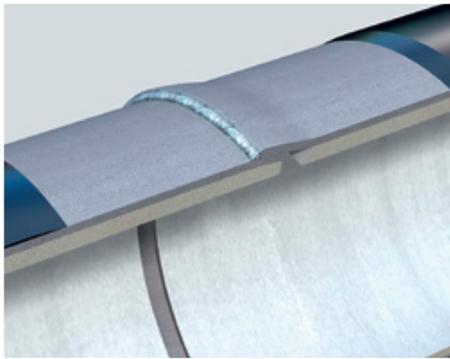


SINTAKOTE[®] WELDED CONNECTIONS



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



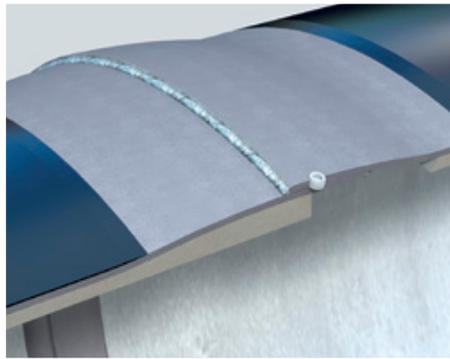
Sizes: 168mm to 1422mm OD
Joint deflection: Up to 3°
Pressure rating: Full pipe pressure
Wall thickness: Up to 11mm

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

BALL & SOCKET JOINT (BSJ)
FOR MEDIUM-LARGE DIAMETERS



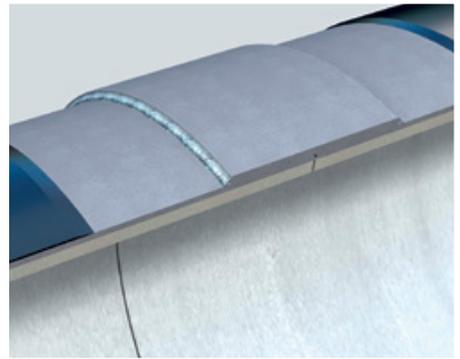
Sizes: 914mm to 1981mm OD
Joint deflection: 3° all sizes
Pressure rating: Full pipe pressure
Wall thickness: Up to 20mm

ADVANTAGES

- Permits internal & external fillet weld for all sizes
- Enables pneumatic field testing of joint
- Full axial restraint—reducing requirement for concrete thrust restraint
- Minimises bends using joint deflection
- Compatible with BSJ fittings
- Increased ring stiffness of joint for easy assembly

BEST FOR: Welded restraint in medium to large diameter pipelines; Minimising bends using joint deflection, reducing requirement for concrete thrust restraint

WELD COLLAR (WC)
FOR MAKE-UP PIECES



Sizes: All diameters
Joint deflection: 0°
Pressure rating: Full pipe pressure
Wall thickness: As required

ADVANTAGES

- External and internal fillet weld—where entry permits
- Enables pneumatic field testing of joint—if internally welded
- Full axial restraint—reducing requirement for concrete thrust restraint
- Can be prepared in the field

BEST FOR: Field make-up pieces to cut pipe to required length

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