

COUPLING

Pipe Coupling Saddle Joint

REF **EFC-291** ISSUED 05 Jun 2026

SPECIFICATIONS

| | |
|----------------|---|
| Size | DN80–DN2600 |
| Pressure | PN10–PN40 |
| End connection | flanged (ISO 7005-2) / flanged (BS 4504) |
| Media | water, gas, sewage, irrigation water |

STANDARDS

| | |
|--------|---|
| Design | ISO 2531, EN 545, EN 598, AWWA C110, AWWA C153 |
|--------|---|

APPROVALS & CERTIFICATIONS

- SGS
- BV
- TUV
- Lloyd's
- LR (Lloyd's Register)
- ECM (Ente Certificazione Macchine)
- ISO
- EAC
- CE
- Bureau Veritas
- ACS (Attestation de Conformité Sanitaire)
- WRAS Approved Product



COATINGS & LINING

- Internal: Cement mortar lining per ISO 4179
- Internal: Fusion bonded epoxy coating, thickness 250 µm
- External: Zinc plus bitumen (or epoxy) coating, 70 µm per ISO 8179
- External: Fusion bonded epoxy coating, thickness 250 µm

APPLICATIONS

- Water supply systems
- Gas distribution networks
- Agricultural irrigation
- Drainage
- Sewerage

MATERIALS

| | | | |
|----------------|------------------|----------------|--------------------------------------|
| body | Cast iron | bolts and nuts | Carbon steel, Stainless steel |
| rubber gaskets | Rubber | | |

FEATURES

- Branch connection on existing pipelines without cutting or welding
- Bolted or strap-style installation
- Compatible with PE, PVC, ductile iron, and steel host pipes
- Lost foam casting technology
- Wall thickness: K12 (main body), K14 (branch)
- Tensile strength e420 N/mm²
- Yield strength e300 N/mm²
- Elongation e5%
- Hardness d250 HB
- Two-piece split ring clamp body with bolted connection on each side
- Hexagonal boss/port on top of clamp ring
- Four sizes visible in product range: DN50, DN80, DN100, DN150
- Painted finish (black)
- Bolt-down mounting lugs/flanges on saddle clamp halves
- Two-bolt assembly using hex bolts and nuts

OPTIONS & NOTES

- Color: Black, red, or others
- Flange standard: ISO7005-2 or BS 4504 (options available)
- Bolts and nuts available in multiple grades and materials