

PRODUCT INFORMATION

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Product codes range: XSB

Polypipe Flexicon Shear Band Standard Couplings are Kitemarked to WIS 4-41-01 and suitable for private and adoptable sewers where resistance to shear loads is required. They are used for connecting all types of drainage pipes of and can be used with Flexicon Reducing Bushes (XBC) to connect pipes of different diameters.

The coupling consist of a moulded EPDM sleeve with a central 304 stainless steel shear band to provide excellent resistance to heavy loads and shear forces. They are attached to the pipe with stainless steel torsion bands at either end. Pipes in the range 100-410mm OD can be connected.



Key Benefits

- Connecting different sized plain ended pipes, including clay, PVCu, and cast iron
- Connecting Polysewer Structured Wall Pipe to existing pipes
- Stainless steel shear band ensures joint integrity and pipe alignment under load
- Kitemarked to WIS 4-41-01 complying with Sewers for Adoption 7 (SFA7)
- Quick and easy installation giving an air-tight and water-tight installation for efficient testing



BS EN 295-4
WIS 4-41-01

Product Specification	
Size range	100-410mm
Material	EPDM & 304 Stainless Steel
Pressure resistance	2.5 bar/36.2psi
Tightening torque	6Nm
Certification	BS EN 295-4, WIS 4-41-01, BS EN 681-1

Installation Instructions

- Loosen the torsion bands and slide the coupling fully onto larger pipe, lubricant not required
- Mark the smaller pipe at the half a coupling width from the end to be jointed
- Insert the smaller pipe up to the mark
- Tighten the torsion bands followed by the shear band to the correct torque as stated on the coupling
- Backfill under the pipe and tamp down prior
- Re-tighten the torsion bands

Flexicon Shear Band Standard Couplings

Typical Connections

XSB115 (100-115)

110mm PVCu UNDERGROUND DRAIN (BS EN 1401)
100mm PVCu LANDCOIL
100mm RIDGIDRAIN
100mm CAST IRON (SMU/ENSGN/SML)
100mm CAST IRON SOIL (BS416)

XSB125 (110-125)

110mm PVCu UNDERGROUND DRAIN (BS EN 1401)
125mm TERRAIN FUZE HDPE
100mm SUPERSLEVE (see also XSB135)
100mm CAST IRON (SMU/ENSGN/SML)
100mm CAST IRON (BS416)
100mm CAST IRON (BS437)
100mm CAST (SPUN) IRON (BS1211)
100mm DUCTILE IRON (BS598)
100mm STAINLESS STEEL

XSB135 (120-135)

125mm TERRAIN FUZE HDPE
100mm SUPERSLEVE (see also XSB125)
100mm HEPSELEVE/HEPSEAL/DENSLEEVE/DENSEAL
100mm (4") SALT GLAZED WARE
100mm CAST (SPUN) IRON (BS1211)
100mm PITCH FIBRE
100mm ASBESTOS CEMENT

XSB150 (135-150)

125mm PE/PP TWINWALL
125mm CAST IRON (SMU/ENSGN/SML)
125mm CAST (SPUN) IRON (BS1211)

XSB165 (150-165)

160mm PVCu UNDERGROUND DRAIN (BS EN 1401)
150mm POLYSEWER
160mm PVCu LANDCOIL
150mm QUANTUM
150mm CAST IRON (SMU/ENSGN/SML)
150mm STAINLESS STEEL

XSB175 (160-175)

160mm PVCu UNDERGROUND DRAIN (BS EN 1401)
150mm POLYSEWER
150mm ULTRA-RIB
150mm QUANTUM
150mm PE/PP TWINWALL
150mm CAST IRON (SMU/ENSGN/SML)
150mm CAST IRON (BS416)
150mm CAST IRON (BS437)
150mm DUCTILE IRON (BS598)
150mm GREY IRON
150mm PITCH FIBRE
150mm STAINLESS STEEL

XSB200 (175-200)

200mm PVCu SEWERDRAIN (BS EN 1401)
150mm RIDGIDRAIN
200mm TERRAIN FUZE HDPE
200mm PVCu LANDCOIL
150mm PE/PP TWINWALL
180mm ULTRA RIB
150mm HEPSELEVE/HEPSEAL/DENSLEEVE/DENSEAL
150mm (6") SALT GLAZED WARE
150mm CAST (SPUN) IRON (BS1211)
150mm PITCH FIBRE
200mm CONCRETE

XSB215 (190-215)

200mm PVCu SEWERDRAIN (BS EN 1401)
200mm TERRAIN FUZE HDPE
200mm PVCu LANDCOIL
180mm ULTRA RIB
200mm CAST IRON (SMU/ENSGN/SML)
200mm CAST IRON (BS416)
200mm CAST (SPUN) IRON (BS1211)
200mm ASBESTOS CEMENT
200mm CONCRETE

XSB225 (200-225)

200mm PVCu SEWERDRAIN (BS EN 1401)
200mm TERRAIN FUZE HDPE
200mm PVCu LANDCOIL
180mm ULTRA RIB
200mm CAST IRON (SMU/ENSGN/SML)
200mm CAST IRON (BS416)
200mm ASBESTOS CEMENT
200mm CONCRETE

XSB250 (225-250)

250mm PVCu SEWERDRAIN (BS EN 1401)
225mm POLYSEWER
250mm TERRAIN FUZE HDPE
225mm ULTRA-RIB
225mm QUANTUM
200mm SUPERSLEVE
200mm ASBESTOS CEMENT

XSB275 (250-275)

250mm PVCu SEWERDRAIN (BS EN 1401)
225mm POLYSEWER
225mm RIDGIDRAIN
250mm TERRAIN FUZE HDPE
225mm ULTRA-RIB
225mm QUANTUM
225mm PE/PP TWINWALL
225mm HEPSELEVE/HEPSEAL/DENSLEEVE/DENSEAL
225mm SUPERSLEVE
250mm CAST IRON (SMU/ENSGN/SML)
225mm CAST IRON (BS437)
225mm CAST (SPUN) IRON (BS1211)
225mm DUCTILE IRON (BS598)
250mm DUCTILE IRON (BS598)
250mm GREY IRON
200mm ASBESTOS CEMENT

XSB275 (250-275) cont.

250mm CAST IRON (SMU/ENSGN/SML)
250mm DUCTILE IRON (BS598)
250mm GREY IRON
250mm ASBESTOS CEMENT
225mm CONCRETE (O.D.-Up to 290mm)

XSB310 (285-310)

250mm CAST (SPUN) IRON (BS1211)
250mm ASBESTOS CEMENT
225mm CONCRETE (O.D. to 305mm)

XSB320 (295-320)

315mm PVCu SEWERDRAIN (BS EN 1401)
250mm SUPERSLEVE

XSB335 (305-335)

315mm PVCu SEWERDRAIN (BS EN 1401)
300mm POLYSEWER
300mm ULTRA-RIB
300mm QUANTUM
300mm CAST IRON (SMU/ENSGN/SML)
300mm DUCTILE IRON (BS598)
300mm CAST (SPUN) IRON (BS1211 A&B)
300mm GREY IRON
300mm ASBESTOS CEMENT (H)

XSB345 (315-345)

315mm PVCu SEWERDRAIN (BS EN 1401)
300mm POLYSEWER
300mm ULTRA-RIB
300mm QUANTUM
300mm CAST IRON (SMU/ENSGN/SML)
300mm CAST (SPUN) IRON (BS1211 A&B)
300mm DUCTILE IRON (BS598)
300mm GREY IRON
300mm ASBESTOS CEMENT (M)

XSB360 (345-360)

300mm RIDGIDRAIN
300mm PE/PP TWINWALL
300mm SUPERSLEVE
300mm CAST (SPUN) IRON (BS1211 C&D)
300mm ASBESTOS CEMENT (H)

XSB385 (360-385)

300mm PE/PP TWINWALL
300mm HEPSELEVE/HEPSEAL/DENSLEEVE/DENSEAL
300mm (12") SALT GLAZED WARE
350mm DUCTILE IRON (BS598)
300mm CONCRETE (O.D. to 385mm)

XSB410 (385-410)

400mm PVCu (BS EN 1401)
350mm CAST (SPUN) IRON (BS 1211)
300mm CONCRETE (O.D. to 410mm)