



Band-Seal Chemical Couplings

Band-Seal Chemical Couplings is a range of versatile, flexible couplings used for joining pipes of both similar and different materials and sizes. The couplings are especially suitable for drains, sewers and underground pipelines. The extensive range connects pipes from 35mm to over 2000mm nominal size (DN), to other pipes of the same or different sizes and materials.

The Band-Seal range of chemical couplings consists of moulded synthetic elastomeric sleeves and stainless steel clamping bands. Standard chemical couplings also include a stainless steel shear band and fluoropolymer liner.

The Band-Seal Chemical Coupling Range

The range of Band-Seal chemically resistant couplings offers the chemical and process industries the advantage of a modern, mechanical, flexible jointing system for any plain-end pipe system.

Elastomeric Sleeve - Manufactured in high grade EPDM or Nitrile elastomers conforming to EN681-1.

Clamping Bands - Manufactured in a high corrosion resistant austenitic stainless steel to EN10088. Where external contamination demands a higher quality stainless, this can be supplied to order.

Fluoropolymer Liner - A one-piece seamless FEP element located within the elastomeric sleeve. Expanded PTFE secondary seals ensure a leak tight joint between the FEP and the pipe. For the best results and to ensure a close fit between the liner and pipe the FEP liner is heat shrunk on site. The liner and seal are chemically inert and resistant to virtually all chemicals including solvents.

Standard Chemical Couplings

Used to connect pipes sizes up to 2000mm outside diameter where resistance to shear loads is required applications include:

Jointing FCR and HT plain-ended pipe systems

Repair and maintenance of existing chemical pipelines.

Connections between pipes of different materials or sizes (bushes may be required in these circumstances)

Making connections by the insertion of new junctions to an existing pipeline

Reconnection of laterals on renovated pipelines

Introducing rocker or hinge pipes outside manholes or structures.

Adaptor Couplings

Provide a method of directly jointing pipes of differing outside diameters, without the need to use bushes. These couplings are suitable for connecting other types of pipes including cast iron and metal pipes (up to a maximum outside diameter of 420mm).

Specification

Couplings

British Standard (BS EN295)

When Band-Seal Chemical Couplings up to 600mm internal diameter are used to connect clay pipes which comply with BS EN295, they are Certified under the BSI Kitemark Scheme



British Board of Agrément (BBA)

When Band-Seal Chemical Couplings up to 600mm internal diameter are used to connect any combination of vitrified clay, cast iron, ductile iron, concrete and PVC-u pipes, they are approved by BBA Certificate No 90/2494



WIS 4-41-01

Assessed under the British Standard Certification Scheme, Band-Seal Chemical Couplings and Bushes from 100mm to 600mm internal diameter, comply with the requirements of Water Industry Specification WIS 4-41-01 'Specification for flexible couplings for gravity sewerage and drainage pipes'. Licence Number 33388.



Approved Quality System

BS EN ISO 9002 (BS5750)

Band-Seal Chemical Couplings which comply with BS EN295, BBA or WIS 4-41-01 requirements are manufactured under an Approved Quality System which complies with BS EN ISO 9002 (BS5750) and certified by Registered Firm of Assessed Capability Certificate Number Fm1420.



Components

Sleeves and Bushes

Manufactured from synthetic elastomers conforming to the performance requirements of BS EN681-1

BS EN681-1 (Lic No 12100) Elastomeric Material

BS EN681-1 (Lic No 7729) Elastomeric Material

BS EN681-1 (Lic No 7741) Elastomeric Material

The kitemark appears on products which have been endorsed as complying with the relevant European Standard. Full details of the extensive range of products carrying the kitemark are available on request.



Clamp and Shear Bands

Manufactured from Austenitic Stainless Steel, with minimum chrome content of 17% and minimum nickel content of 8%, complying with BS EN10088-2 and incorporating high torque worm drive adjusting screws.

Product Specification

Couplings shall be Band-Seal Chemical Couplings, produced by Naylor Drainage Ltd of Cawthorne, Barnsley, South Yorkshire and shall have approved Third Party Certification.

DN	Coupling Ref	Code
100	NCC142	21047
150	NCC200	21045
225	NCC290	21046
300	NCC385	21051

Contact the Naylor Technical Department on 01226 794058 for guidance and availability of Chemical Couplings and Chemical Adaptor Couplings for your application.