

ELASTOMERS

Standard, Drain, Adaptor and Extra wide Couplings. Bushes and Wall seals

The elastomeric components of the above products are made of two types of synthetic elastomer. Either Ethylene Propylene Diene Monomer (EPDM) or Styrene Butadiene Rubber (SBR) is used. These elastomers are both commonly used in pipe joints in drainage and sewerage systems as they offer excellent resistance to normal drain and sewerage effluents as well as excellent long term performance. For situations where effluents or ground water contains hydrocarbons, fats, oil, greases etc. then components in nitrile rubber are available.

Components made from synthetic elastomer conform to the requirements of BS EN 681: Part 1:1996 "Specifications for elastomeric joint rings for pipework and pipelines – drainage". They also conform to the requirements of ISO 4633: 1986 and Australian Standard AS 1646.

Plumbing couplings, Plumbing fittings, Flexible saddles and End caps

The elastomeric components of the above products are made of three types of synthetic elastomer. Either Ethylene Propylene Diene Monomer (EPDM), Styrene Butadiene Rubber (SBR) or Neoprene Rubber.

STAINLESS STEEL CLAMPING BANDS, SHEAR RINGS AND COMPONENTS

Stainless steel refers to a range of iron based alloys which rely on their chromium content for resistance to corrosion. Research in a number of countries worldwide has shown that in normal soils austenitic stainless steel with a 17% chromium and 8% nickel content gives satisfactory performance with a design life

in excess of 100 years. Whereas in poorly drained gravels, industrial or colliery spoil and in cases where the ground or groundwater contains chlorides (exceeding 1000 ppm) pitting of the steel can occur. In these circumstances then the application of a protective wrapping such as "Densotape" will give adequate protection. Alternatively, in these circumstances an austenitic stainless steel containing molybdenum (minimum 2%) will give better corrosion resistance without the need for additional protection.

Standard, Drain, Adaptor and Extra wide Couplings.

Mission therefore supplies couplings in two grades of austenitic stainless steel to suit either normal conditions or conditions when additional corrosion resistance is required.

For use in normal conditions Mission's standard products use components manufactured from grade 1.4301 (304) austenitic stainless steel to BS EN10088-2:1995. This grade of stainless steel meets the requirements of both EN295:Part4:1995 and WIS 4-41-01.

For those conditions requiring higher corrosion resistance then components manufactured from grade 1.4401 (316) austenitic stainless steel to BS EN10088-2:1995 is available to special order. This grade contains 2% molybdenum and is especially suitable for marine environments.

Plumbing fittings, End caps and Flexible saddles

The components on these items are manufactured from a marine grade 300 series austenitic stainless steel.

ORDER AND DELIVERY

ORDERING

When ordering couplings or bushes, it is essential to specify the size and type of pipes to be joined. The outside diameter of the pipe(s) is the critical dimension needed to specify the correct coupling and/or bush.

Mission Rubber maintains an extensive stock of all types and sizes of coupling; whereas the most regular requested are also available from many plumber's and builder's merchants nationwide.

All couplings and bushes over 600mm diameter are manufactured to suit specific site requirements; therefore measurement of the outside diameter of the pipes to be joined is strongly recommended before ordering these couplings.

The pipe table (page16) provides guidance on the outside diameters of the more common types and sizes of pipes. For pipes up to DN300, reference can also be made to the application schedules.

DELIVERY

A "Next-Day" delivery service including before noon and before 9.30 am options is available using overnight carrier services direct from our factory.

A "Same Day" service is also available anywhere in the UK for emergency repairs.