

Large Diameter Couplings

601-2100mm diameter



See page 38 for full standard details

Designed for sewerage, drainage and all non and low pressure applications. Manufactured to order to suit the outside diameter of any pipe



Introduction

Flexseal can provide Large Diameter Couplings that are manufactured to order, thereby meeting the specific contractor and site requirements.

Large Diameter Couplings can be manufactured to suit any outside pipe diameter and utilising Flexseal's advanced production capabilities, any size of coupling can be supplied direct to site using our Next Day Delivery Service.

Large Diameter Couplings are made from EN681-1 EPDM rubber and have Grade 1.4301 (304) clamps and shearbands. Flexseal can also supply the product with nitrile sleeves for use with effluent which may be contaminated with hydrocarbons. Couplings are also available with Grade 1.4401 (316) stainless steel for improved corrosion protection.

Please contact our sales office for further details.

Benefits

- Suitable for use on any pipe material
- Custom made to size, easy to install - correct first time
- Available in any size to meet project requirements
- Spanner supplied free of charge with every order, for use with 3/8" square drive ratchet
- EN295-4 applies to Large Diameter Couplings up to 1000mm
- A proven, tested and durable coupling design ensuring a high performance and reliable connection
- Stainless steel shear band provides excellent resistance to heavy loads and shear forces
- Shear band ensures joint integrity and pipe alignment under load

Applications

When used individually or together with Bushes, Flexseal Large Diameter Couplings have many applications in the construction, repair or maintenance of pipelines:

- As a joint for plain ended pipes
- Repair and maintenance of existing pipelines
- Making post construction connections to existing sewers
- As a joint between pipes of different sizes or materials with a Flexseal bush

Product Range

Reference No.	Size (mm)	Width (mm)	Thickness (mm)
LC 600	600 - 699	190	9
LC 700	700 - 799	190	9
LC 800	800 - 899	190	9
LC 900	900 - 999	190	9
LC1000	1000 - 1099	190	9
LC1100	1100 - 1199	190	9
LC1200	1200 - 1299	190	9
LC1300	1300 - 1399	190	9
LC1400	1400 - 1499	190	9
LC1500	1500 - 1599	190	9
LC1600	1600 - 1699	190	9
LC1700	1700 - 1799	190	9
LC1800	1800 - 1899	190	9
LC1900	1900 - 1999	190	9
LC2000	2000 - 2099	190	9

Note: The coupling size range is an indication of size for ordering purposes only. Large Diameter Couplings are manufactured individually to suit customers exact requirements. If you require a connection of over 2100mm, an Extra Wide or Magnum Coupling should be used.



Advanced M8 T-Bolt Clamping Systems

Flexseal uses two types of stainless steel bolt on our large diameter couplings – stronger bolts are required as the coupling diameter increases.



The M8 bolt is used on smaller diameter Magnum couplings. These require higher hydrostatic performance compared to our Standard Couplings, and can be tightened up to 20Nm.

For Flexseal couplings of 600mm and above, a unique M8 T-Bolt mechanism, designed by Flexseal, is used. These are installed at 20Nm and 25Nm.

- The optimised conversion of torque to tension in the band maximises the contact pressure between the seal and the pipe surface.
- The bolt's anchor points are circular so their ability to rotate provides perfect alignment as the clamp band is tightened.
- All clamp components are manufactured from Grade 1.4401 (316) stainless steel.
- The bolt thread is lubricated, both reducing friction in the thread and preventing galling between the nut and the bolt.
- All bolts are subject to Flexseal's strict quality testing and performance guarantee.

