

Designed to perform,  
engineered to last



## Standard Large Couplings (VLC)

Whatever the scale of your sealing challenge, our large couplings are engineered, designed and custom built to solve it. These custom seals use bespoke extrusion profiles to enable us to manufacture for any diameter of pipe.



VIPSeal® Standard Large Couplings are manufactured to order to suit any outside pipe diameter and utilise our unique heavy duty bolting system.

Constructed from the highest quality elastomeric rubber, Standard Large Couplings provide shear / deflection resistance under heavy earth loads thanks to its stainless steel shear band.

Quick and easy to install, Standard Large Couplings exhibit excellent sealing properties when tightened to the correct torque and can accommodate minor differences in pipe diameter.

Their design ensures that they can be used on any pipe material, making them the perfect solution for repairing pipes or when joining sections of pipe together.



### Product Specifications

VIPSeal® Product Reference	VLC
Size Range	601mm and above
Material	EPDM Rubber
Steel	1.4301 (304) Stainless Steel / 1.4401 (316)
Tightening Torque	20Nm (601- 1200mm) / 25Nm (1201mm and above)
Pressure Rating	1.5 bar / 21.76 psi
Jetting Resistance	120 bar
Constant Working Temperature Range	-10° to 60°
Standards	EN681-1, EN295-4, DIBt, MPA, VA,



EN 681-1 EN 295-4

Deutsches  
Institut  
für  
Bautechnik



DIN EN  
295-4

DIN EN  
681-1



# Designed to perform, engineered to last



## Applications:

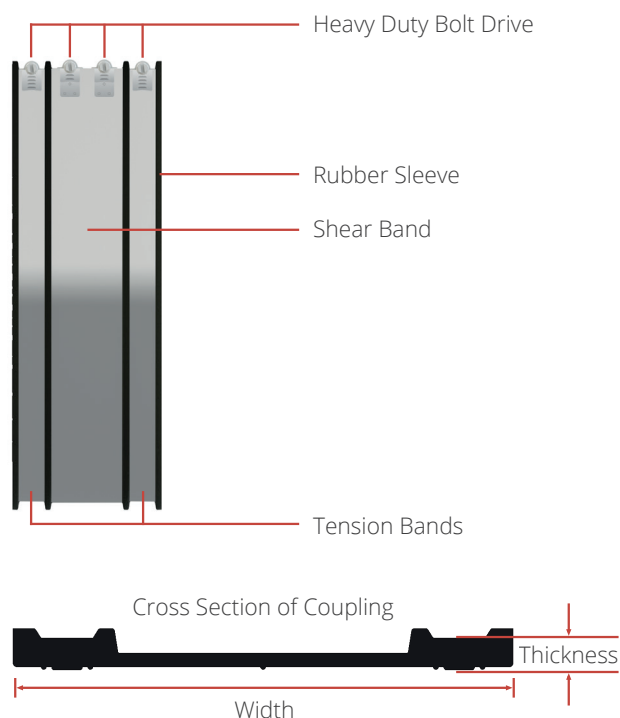
- As a coupling to join plain ended pipes
- To repair damaged sections of pipe
- Where a post or lateral connection is required
- Where the diameters of pipe differ
- Joining short and cut lengths of pipe
- Introducing rocker pipes to an outside structure or manhole
- As a connection for soil, waste and vent applications

## Benefits:

- ✓ Manufactured from high grade materials ensuring high performance and long service life
- ✓ Heavy duty bolt system
- ✓ Easy to install
- ✓ Shear band provides resistance against deflection and shear forces caused by heavy loads or vacuums
- ✓ Withstands internal pressures up to 1.5 bar, constant working pressure. Contact our technical department for intermittent working pressure above 1.5 bar
- ✓ Next day, direct to site service

## Product Range

VIPSeal Reference	Range (Pipe O/D)		Width (mm)	Thickness
	From (mm)	To (mm)		
VLC600	601	699	190	12.1
VLC700	701	799	190	12.1
VLC800	801	899	190	12.1
VLC900	901	999	190	12.1
VLC1000	1001	1099	190	12.1
VLC1100	1101	1199	190	12.1
VLC1200	1201	1299	190	12.1
VLC1300	1301	1399	190	12.1
VLC1400	1401	1499	190	12.1
VLC1500	1501	1599	190	12.1
VLC1600	1601	1699	190	12.1
VLC1700	1701	1799	190	12.1
VLC1800	1801	1899	190	12.1
VLC1900	1901	1999	190	12.1
VLC2000	2001	2099	190	12.1



Note: The size range is an indication of size for pricing purposes only (it is not a pipe OD range that each individual seal will fit) as each seal is made bespoke to order.

Pipe OD will be required at the time of order and each seal will be manufactured accordingly.

Edition 1.0



*Designed to perform,*  
**engineered to last**



## Material Options

For applications which are subjected to higher temperatures, or where chemicals are present, VIPSeal® Flexible Couplings can be ordered in a range of materials:

### Heavy Duty Tension and Shear Bands

For higher corrosion or contaminated ground areas and marine environments, grade 1.4401(316) stainless steel should be specified to eliminate the need for protective tape.

### Rubber Sleeves

For applications where chemicals or higher continuous temperatures are experienced, VIPSeal® Flexible Couplings can be ordered in the following materials (contact our customer service team for technical guidance).



VIPSealPlus is manufactured from peroxide cured EPDM which is superior to the sulphur cured variant for elevated temperature applications and for applications that have to endure steam. Peroxide cured EPDM is recommended as continuous temperatures rise above 60°C for many years of leak free service is assured up to temperatures of 125°C. Peroxide cured EPDM has the same chemical compatibility as the standard VIPSeal range (sulphur cured EPDM).



VIPSealXtra is manufactured from sulphur cured Nitrile which is an effective material for applications that are exposed to mineral oils, fats and greases when constant temperatures remain below 60°C.



VIPSealXtraPlus is manufactured from peroxide cured Nitrile which is superior to the sulphur cured variant for elevated temperature applications. Peroxide cured Nitrile as continuous temperatures rise above 60°C for many years of leak free service is assured up to temperatures of 100°C.



VIPSealChem is manufactured from FKM which can cope with elevated continuous temperature applications up to 200°C. It's resistance to a wide range of chemicals makes it the perfect choice for industrial and food applications.



VIPSealXtreme is manufactured from FFKM and is suitable for applications found in chemical and process industries. With a resistance to aggressive chemicals and CWT exceeding 200°C, VIPSealXtreme is designed for the toughest conditions.

Information contained in this data sheet is up-to-date and correct as at the date of issue. We reserve the right to change any information without prior notice.

