

Designed to perform,  
engineered to last



## Drain Couplings (VDC)

Designed to perform in situations where there is reduced resistance to heavy earth loads or unstable ground.



Constructed from the highest quality elastomeric rubber, VIPSeal® Drain Couplings are used to connect and repair low and non-pressure drainage systems and pipelines up to 275mm outside diameter, where the resistance to earth loads is not required.

Quick and easy to install, Drain 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.

For applications which require shear / deflection resistance under heavy earth loads or fall under the WIS-4-41-01 standard, a VIPSeal® Standard Coupling (VSC) should be used.



### Product Specifications

|                                    |   |
|------------------------------------|---|
| VIPSeal® Product Reference         | VDC   |
| Size Range                         | 32-275mm                                    |
| Material                           | EPDM Rubber                                 |
| Steel                              | 1.4301 (304) Stainless Steel / 1.4401 (316) |
| Tightening Torque                  | 6Nm   |
| Pressure Rating                    | 0.6 bar / 8.70 psi                          |
| Jetting Resistance                 | 120 bar                                     |
| Constant Working Temperature Range | -10° to 60°                                 |
| Standards                          | EN681-1, EN295-4, MPA, VA, WSSAAS/NZS 4237  |



## Applications:

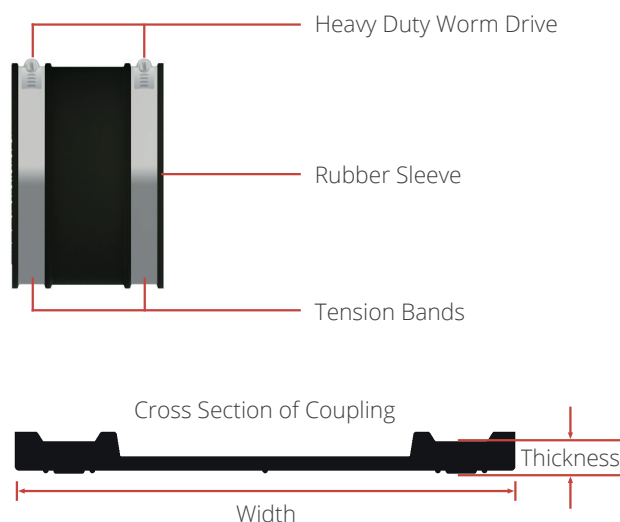
- As a coupling to join plain ended pipes
- To repair damaged sections of pipe
- Where the diameters of pipe differ
- Joining short and cut lengths of pipe
- As an adaptor to join pipes of different material
- As a connection for soil, waste and vent applications

## Benefits:

- ✓ Manufactured from high grade materials ensuring high performance and long service life
- ✓ Heavy duty worm drives
- ✓ A low cost solution to join pipes or repair damaged sections
- ✓ Easy to install
- ✓ Withstands internal pressures up to 0.6 bar, constant working pressure. Contact our technical department for intermittent working pressure above 0.6 bar

## Product Range

| VIPSeal Reference | Range (Pipe O/D) |         | Width (mm) | Thickness |
|-------------------|------------------|---------|------------|-----------|
|                   | From (mm)        | To (mm) |            |           |
| VDC115            | 100              | 115     | 100        | 9         |
| VDC125            | 110              | 125     | 120        | 7.3       |
| VDC135            | 120              | 135     | 120        | 9         |
| VDC150            | 125              | 150     | 120        | 9         |
| VDC165            | 140              | 165     | 120        | 9         |
| VDC175            | 150              | 175     | 120        | 8.5       |
| VDC185            | 170              | 185     | 120        | 8.5       |
| VDC195            | 180              | 195     | 120        | 9         |
| VDC200            | 175              | 200     | 152        | 9.5       |
| VDC215            | 190              | 215     | 150        | 7.8       |
| VDC225            | 200              | 225     | 152        | 9.5       |
| VDC250            | 225              | 250     | 152        | 9.5       |
| VDC265            | 250              | 265     | 110        | 9         |
| VDC275            | 250              | 275     | 152        | 9.5       |



## Common Applications

|  |   |  |   |   |  |
|--|---|--|---|---|--|
| <b>VDC65</b><br><input type="checkbox"/> 50mm (2") polypropylene<br><input type="checkbox"/> 50mm (2") ABS<br><input type="checkbox"/> 50mm (2") cast iron (soil)  | <b>VDC95</b><br><input type="checkbox"/> 82mm (3") pvcu<br><input type="checkbox"/> 75mm cast iron (soil & drain/ smu)<br><input type="checkbox"/> 75mm ductile iron<br><input type="checkbox"/> 75mm grey iron   | <b>VDC115</b><br><input type="checkbox"/> 110mm pvcu<br><input type="checkbox"/> 100mm cast iron (soil) (smu/ensign/sml)<br><input type="checkbox"/> 100mm stainless steel<br><input type="checkbox"/> 100mm twin walled plastic<br><input type="checkbox"/> 110mm twin walled plastic | <b>VDC125</b><br><input type="checkbox"/> 100mm supersleve<br><input type="checkbox"/> 100mm cast iron (drain)<br><input type="checkbox"/> 100mm ductile iron<br><input type="checkbox"/> 100mm grey iron<br><input type="checkbox"/> 100mm asbestos cement<br><input type="checkbox"/> 100mm pitch fibre<br><input type="checkbox"/> 100mm twin walled plastic | <b>VDC135</b><br><input type="checkbox"/> 100mm supersleve<br><input type="checkbox"/> 100mm (4") salt glazed ware<br><input type="checkbox"/> 100mm vitrified clay<br><input type="checkbox"/> 100mm pitch fibre<br><input type="checkbox"/> 100mm asbestos cement | <b>VDC150</b><br><input type="checkbox"/> 125mm cast iron (soil)<br><input type="checkbox"/> 125mm twin walled plastic |
| <b>VDC165</b><br><input type="checkbox"/> 160mm pvcu<br><input type="checkbox"/> 150mm cast iron (smu/ensign/sml)<br><input type="checkbox"/> 150mm stainless steel<br><input type="checkbox"/> 160mm polyethylene | <b>VDC175</b><br><input type="checkbox"/> 160mm pvcu<br><input type="checkbox"/> 150mm ductile iron<br><input type="checkbox"/> 150mm cast iron (bs416)<br><input type="checkbox"/> 150mm cast iron (bs437)<br><input type="checkbox"/> 150mm stainless steel<br><input type="checkbox"/> 150mm ultra-rib<br><input type="checkbox"/> 150mm quantum | <b>VDC185</b><br><input type="checkbox"/> 150mm supersleve<br><input type="checkbox"/> 150mm pitch fibre<br><input type="checkbox"/> 150mm asbestos cement<br><input type="checkbox"/> 150mm twin walled plastic   | <b>VDC195</b><br><input type="checkbox"/> 150mm supersleve<br><input type="checkbox"/> 150mm (6") salt glazed ware<br><input type="checkbox"/> 150mm vitrified clay<br><input type="checkbox"/> 150mm concrete<br><input type="checkbox"/> 150mm asbestos cement<br><input type="checkbox"/> 150mm pitch fibre  |   |  |

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## 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.

