

Designed to perform,
engineered to last



Standard Couplings (VSC)

Primarily used in sewers, drains and other low and non-pressurised applications, VIPSeal® standard couplings join pipes of virtually any material or diameter.



Constructed from the highest quality elastomeric rubber, VIPSeal® Standard Couplings provide shear / deflection resistance under heavy earth loads or situations under a negative pressure or vacuum thanks to its stainless steel shear band.

Quick and easy to install, Standard 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.

VIPSeal® Standard Couplings can be used to join pipes with largely differing diameters with the addition of a bush.



Product Specifications

| | |
|------------------------------------|--|
| VIPSeal® Product Reference | TYP 2B VSC |
| Size Range | 50 - 620mm |
| Material | EPDM Rubber |
| Steel | 1.4301 (304) Stainless Steel / 1.4401 (316) |
| Tightening Torque | 6Nm (50 - 200mm) / 10 Nm (215-385mm) / 13Nm (410 -620mm) |
| Pressure Rating | 2.5 bar / 36.25 psi |
| Jetting Resistance | 120 bar |
| Constant Working Temperature Range | -10° to 60° |
| Standards | EN681-1, EN295-4, WIS 4-41-01, DIBt, MPA, VA, WSSA AS/NZS 4237 |



EN 681-1 EN 295-4 WIS 4-41-01



AS/NZS 4237
Certificate No. 23304



AS/NZS 4237
Certificate No. 3018



DIN EN
295-4



DIN EN
681-1



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 worm drives
- ✓ Complies with UK and International Standards including WIS 4-41-01 (all public sewers and sewers for adoption)
- ✓ Shear band provides resistance against deflection and shear forces caused by heavy loads or vacuums
- ✓ Withstands internal pressures up to 2.5 bar, constant working pressure. Contact our technical department for intermittent working pressure above 2.5 bar



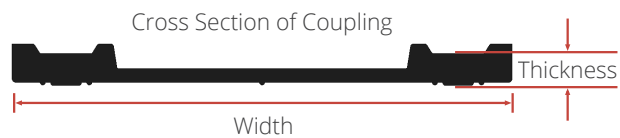
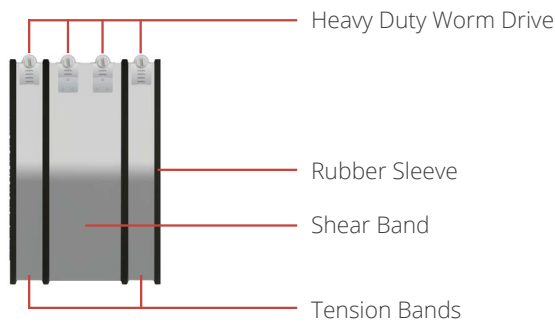
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Product Range

| VIPSeal Reference | Range (Pipe O/D) | | Width (mm) | Thickness |
|-------------------|------------------|---------|------------|-----------|
| | From (mm) | To (mm) | | |
| VSC50 | 40 | 50 | 68 | 5.5 |
| VSC65 | 50 | 65 | 90 | 9 |
| VSC75 | 65 | 75 | 108 | 9 |
| VSC95 | 80 | 95 | 100 | 9 |
| VSC100 | 85 | 100 | 80 | 7.3 |
| VSC115 | 100 | 115 | 120 | 9 |
| VSC120 | 110 | 121 | 120 | 8.5 |
| VSC125 | 110 | 125 | 120 | 7.3 |
| VSC137 | 120 | 137 | 125 | 9 |
| VSC150 | 125 | 150 | 120 | 9 |
| VSC165 | 140 | 165 | 120 | 9 |
| VSC175 | 150 | 175 | 120 | 8.5 |
| VSC180 | 160 | 180 | 120 | 8.5 |
| VSC200 | 175 | 200 | 152 | 9.5 |
| VSC215 | 190 | 215 | 150 | 7.8 |
| VSC225 | 200 | 225 | 152 | 9.5 |
| VSC250 | 225 | 250 | 152 | 9.5 |
| VSC265 | 240 | 265 | 110 | 9 |
| VSC275 | 250 | 275 | 152 | 9.5 |
| VSC290 | 265 | 290 | 152 | 9.5 |
| VSC310 | 285 | 310 | 190 | 9 |
| VSC320 | 295 | 320 | 190 | 9.3 |

| VIPSeal Reference | Range (Pipe O/D) | | Width (mm) | Thickness |
|-------------------|------------------|---------|------------|-----------|
| | From (mm) | To (mm) | | |
| VSC335 | 305 | 335 | 190 | 9 |
| VSC345 | 315 | 345 | 190 | 12.1 |
| VSC360 | 340 | 360 | 190 | 12.1 |
| VSC365 | 345 | 365 | 190 | 12.1 |
| VSC385 | 355 | 385 | 190 | 12.1 |
| VSC410 | 385 | 410 | 190 | 12.1 |
| VSC425 | 400 | 425 | 190 | 12.1 |
| VSC430 | 405 | 430 | 190 | 12.1 |
| VSC445 | 420 | 445 | 190 | 12.1 |
| VSC450 | 425 | 450 | 190 | 12.1 |
| VSC465 | 435 | 465 | 190 | 12.1 |
| VSC470 | 440 | 470 | 190 | 12.1 |
| VSC490 | 465 | 490 | 190 | 12.1 |
| VSC510 | 480 | 510 | 190 | 12.1 |
| VSC525 | 495 | 525 | 190 | 12.1 |
| VSC540 | 510 | 540 | 190 | 12.1 |
| VSC550 | 520 | 550 | 190 | 12.1 |
| VSC560 | 530 | 560 | 190 | 12.1 |
| VSC570 | 540 | 570 | 190 | 12.1 |
| VSC580 | 555 | 580 | 190 | 12.1 |
| VSC600 | 570 | 600 | 190 | 12.1 |
| VSC620 | 590 | 620 | 190 | 12.1 |



Common Applications

| | | | | | |
|---|---|--|--|---|--|
| VSC115 <input type="checkbox"/> 110mm PVCu <input type="checkbox"/> 110mm ABS <input type="checkbox"/> 100mm cast iron (smu/ensign, sml) <input type="checkbox"/> 111mm Polyethylene | VSC120 <input type="checkbox"/> 110mm PVCu <input type="checkbox"/> 100mm cast iron (bs416) <input type="checkbox"/> 100mm stainless steel <input type="checkbox"/> 100mm cast iron (bs437) <input type="checkbox"/> 100mm ductile iron <input type="checkbox"/> 100mm supersleeve (see also VSC137) | VSC137 <input type="checkbox"/> 100mm (4") salt glazed ware <input type="checkbox"/> 100mm vitrified clay <input type="checkbox"/> 100mm supersleeve <input type="checkbox"/> 100mm pitch fibre <input type="checkbox"/> 100mm asbestos cement | VSC165 <input type="checkbox"/> 160mm PVCu <input type="checkbox"/> 150mm cast iron (smu/ensign/sml) <input type="checkbox"/> 150mm stainless steel <input type="checkbox"/> 160mm polyethylene | VSC175 <input type="checkbox"/> 160mm PVCu <input type="checkbox"/> 150mm ductile iron <input type="checkbox"/> 150mm cast iron (bs416) <input type="checkbox"/> 150mm cast iron (bs437) <input type="checkbox"/> 150mm stainless steel <input type="checkbox"/> 150mm ultra-rib <input type="checkbox"/> 150mm quantum | VSC200 <input type="checkbox"/> 150mm (6") salt glazed ware <input type="checkbox"/> 150mm vitrified clay <input type="checkbox"/> 150mm supersleeve <input type="checkbox"/> 150mm concrete <input type="checkbox"/> 150mm asbestos cement <input type="checkbox"/> 150mm pitch fibre <input type="checkbox"/> 180mm ultra-rib <input type="checkbox"/> 200mm PVCu |
| VSC225 <input type="checkbox"/> 200mm ductile iron <input type="checkbox"/> 200mm cast iron (bs416) | VSC250 <input type="checkbox"/> 175mm pitch fibre <input type="checkbox"/> 200mm vitrified clay <input type="checkbox"/> 200mm asbestos cement <input type="checkbox"/> 225mm ultra-rib <input type="checkbox"/> 225mm quantum <input type="checkbox"/> 250mm PVCu | VSC265 <input type="checkbox"/> 225mm asbestos cement <input type="checkbox"/> 225mm ductile iron <input type="checkbox"/> 250mm cast iron <input type="checkbox"/> 225mm supersleeve | VSC275 <input type="checkbox"/> 225mm supersleeve <input type="checkbox"/> 250mm cast iron <input type="checkbox"/> 250mm ductile iron | VSC290 <input type="checkbox"/> 225mm (9") salt glazed ware <input type="checkbox"/> 225mm vitrified clay <input type="checkbox"/> 225mm concrete (o.d. - up to 290mm) <input type="checkbox"/> 250mm asbestos cement <input type="checkbox"/> 250mm ductile iron | VSC310 <input type="checkbox"/> 225mm concrete (o.d. - over 290mm) |
| VSC320 <input type="checkbox"/> 315mm PVCu | VSC335 <input type="checkbox"/> 300mm ductile iron <input type="checkbox"/> 300mm cast iron | VSC345 <input type="checkbox"/> 300mm asbestos cement <input type="checkbox"/> 300mm ultra-rib <input type="checkbox"/> 300mm quantum <input type="checkbox"/> 300mm ductile iron | VSC360 <input type="checkbox"/> 300mm superseal/supersleeve <input type="checkbox"/> 300mm rigidrain (355mm o/d) <input type="checkbox"/> 300mm Corripipe Twinwall | VSC385 <input type="checkbox"/> 300mm (12") salt glazed ware <input type="checkbox"/> 300mm vitrified clay <input type="checkbox"/> 300mm concrete (o.d. - up to 385mm) <input type="checkbox"/> 300mm supersleeve | VSC410 <input type="checkbox"/> 300mm concrete (o.d. - over 385mm) <input type="checkbox"/> 400mm PVCu |
| VSC425 <input type="checkbox"/> 300mm concrete (o.d. - over 405mm) | VSC430 <input type="checkbox"/> 400mm ductile iron <input type="checkbox"/> 375mm asbestos cement | VSC445 <input type="checkbox"/> 375mm asbestos cement <input type="checkbox"/> 400mm ductile iron <input type="checkbox"/> 400mm cast iron | VSC465 <input type="checkbox"/> 375mm (15") salt glazed ware <input type="checkbox"/> 375mm vitrified clay <input type="checkbox"/> 375mm concrete (o.d. - up to 465mm) <input type="checkbox"/> 400mm asbestos cement <input type="checkbox"/> 450mm PVCu | VSC490 <input type="checkbox"/> 375mm concrete (o.d. - over 456mm up to 490mm) <input type="checkbox"/> 450mm ductile iron <input type="checkbox"/> 450mm asbestos cement | VSC510 <input type="checkbox"/> 375mm concrete (o.d. - over 490mm up to 510mm) <input type="checkbox"/> 400mm vitrified clay |
| VSC525 <input type="checkbox"/> 375mm concrete (o.d. - over 510mm up to 525mm) | VSC540 <input type="checkbox"/> 500mm ductile iron (bs595) <input type="checkbox"/> 375mm cast iron (smu/ensign/sml) | VSC560 <input type="checkbox"/> 450mm (18") salt glazed ware <input type="checkbox"/> 450mm vitrified clay <input type="checkbox"/> 450mm concrete (o.d. - up to 560mm) <input type="checkbox"/> 500mm asbestos cement | VSC580 <input type="checkbox"/> 450mm concrete (o.d. - over 560mm up to 580mm) | VSC600 <input type="checkbox"/> 450mm concrete (o.d. - over 580mm up to 600mm) | |

Edition 1.0



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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.

