

## VIP Seal Standard Couplings (VSC)



### Designed to perform, engineered to last

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.

### 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.



## 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.

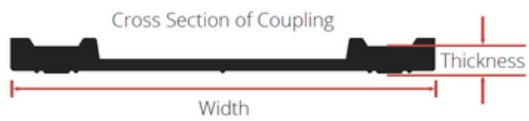
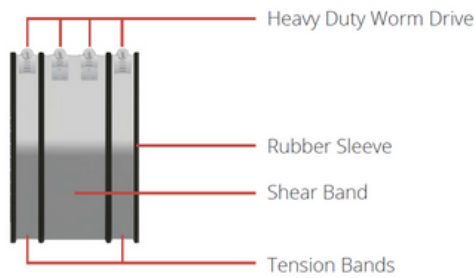
## Product Specifications

VIPSeal® Product Reference	VSC
Size Range	50 - 620mm
Material	EPDM Rubber
Steel	1.4301 (304) Stainless Steel / 1.4401 (316)
Tightening Torque	6Nm (50 - 290mm) / 10 Nm (310-385mm) / 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

## Product Range

VIPSeal Reference	Range (Pipe O/D)		Width (mm)	Thickness
	From (mm)	To (mm)		
VSC50A	40	50	68	5.5
VSC65A	50	65	90	9
VSC75A	65	75	108	9
VSC95A	80	95	100	9
VSC100A	85	100	80	7.3
VSC115A	100	115	120	9
VSC120A	110	121	120	8.5
VSC125A	110	125	120	7.3
VSC137A	120	137	125	9
VSC150A	125	150	120	9
VSC165A	140	165	120	9
VSC175A	150	175	120	8.5
VSC180A	160	180	120	8.5
VSC200A	175	200	152	9.5
VSC215A	190	215	150	7.8
VSC225A	200	225	152	9.5
VSC250A	225	250	152	9.5
VSC265A	240	265	110	9
VSC275A	250	275	152	9.5
VSC290A	265	290	152	9.5

VIPSeal Reference	Range (Pipe O/D)		Width (mm)	Thickness
	From (mm)	To (mm)		
VSC335A	305	335	190	9
VSC345A	315	345	190	12.1
VSC360A	340	360	190	12.1
VSC365A	345	365	190	12.1
VSC385A	355	385	190	12.1
VSC410A	385	410	190	12.1
VSC425A	400	425	190	12.1
VSC430A	405	430	190	12.1
VSC445A	420	445	190	12.1
VSC450A	425	450	190	12.1
VSC465A	435	465	190	12.1
VSC470A	440	470	190	12.1
VSC490A	465	490	190	12.1
VSC510A	480	510	190	12.1
VSC525A	495	525	190	12.1
VSC540A	510	540	190	12.1
VSC550A	520	550	190	12.1
VSC560A	530	560	190	12.1
VSC570A	540	570	190	12.1
VSC580A	555	580	190	12.1



## Common Applications

<b>VSC115</b> <ul style="list-style-type: none"> <li>110mm PVCu</li> <li>110mm ABS</li> <li>100mm cast iron (smu/ensign, sml)</li> <li>111mm Polyethylene</li> </ul>	<b>VSC120</b> <ul style="list-style-type: none"> <li>110mm PVCu</li> <li>100mm cast iron (bs416)</li> <li>100mm stainless steel</li> <li>100mm cast iron (bs437)</li> <li>100mm ductile iron</li> <li>100mm supersleeve (see also VSC137)</li> </ul>	<b>VSC137</b> <ul style="list-style-type: none"> <li>100mm (4") salt glazed ware</li> <li>100mm vitrified clay</li> <li>100mm supersleve</li> <li>100mm pitch fibre</li> <li>100mm asbestos cement</li> </ul>	<b>VSC165</b> <ul style="list-style-type: none"> <li>160mm PVCu</li> <li>150mm cast iron (smu/ensign/ sml)</li> <li>150mm stainless steel</li> <li>160mm polyethylene</li> </ul>	<b>VSC175</b> <ul style="list-style-type: none"> <li>160mm PVCu</li> <li>150mm ductile iron</li> <li>150mm cast iron (bs416)</li> <li>150mm cast iron (bs437)</li> <li>150mm stainless steel</li> <li>150mm ultra-rib</li> <li>150mm quantum</li> </ul>	<b>VSC200</b> <ul style="list-style-type: none"> <li>150mm (6") salt grazed ware</li> <li>150mm vitrified clay</li> <li>150mm supersleve</li> <li>150mm concrete</li> <li>150mm asbestos cement</li> <li>150mm pitch fibre</li> <li>180mm ultra-rib</li> <li>200mm PVCu</li> </ul>
<b>VSC225</b> <ul style="list-style-type: none"> <li>200mm ductile iron</li> <li>200mm cast iron (bs416)</li> </ul>	<b>VSC250</b> <ul style="list-style-type: none"> <li>175mm pitch fibre</li> <li>200mm vitrified clay</li> <li>200mm asbestos cement</li> <li>225mm ultra-rib</li> <li>225mm quantum</li> <li>250mm PVCu</li> </ul>	<b>VSC265</b> <ul style="list-style-type: none"> <li>225mm asbestos cement</li> <li>225mm ductile iron</li> <li>250mm cast iron</li> <li>225mm supersleve</li> </ul>	<b>VSC275</b> <ul style="list-style-type: none"> <li>225mm supersleve</li> <li>250mm cast iron</li> <li>250mm ductile iron</li> </ul>	<b>VSC290</b> <ul style="list-style-type: none"> <li>225mm (9") salt glazed ware</li> <li>225mm vitrified clay</li> <li>225mm concrete (o.d – up to 290mm)</li> <li>250mm asbestos cement</li> <li>250mm ductile iron</li> </ul>	<b>VSC310</b> <ul style="list-style-type: none"> <li>225mm concrete (o.d – over 290mm)</li> </ul>
<b>VSC320</b> <ul style="list-style-type: none"> <li>315mm PVCu</li> </ul>	<b>VSC335</b> <ul style="list-style-type: none"> <li>300mm ductile iron</li> <li>300mm cast iron</li> </ul>	<b>VSC345</b> <ul style="list-style-type: none"> <li>300mm asbestos cement</li> <li>300mm ultra-rib</li> <li>300mm quantum</li> <li>300mm ductile iron</li> </ul>	<b>VSC360</b> <ul style="list-style-type: none"> <li>300mm superseal /supersleve</li> <li>300mm rigidrain (355mm o/d)</li> <li>300mm Corripipe Twinwall</li> </ul>	<b>VSC385</b> <ul style="list-style-type: none"> <li>300mm (12") salt glazed ware</li> <li>300mm vitrified clay</li> <li>300mm concrete (o.d – up to 385mm)</li> <li>300mm supersleve</li> </ul>	<b>VSC410</b> <ul style="list-style-type: none"> <li>300mm concrete (o.d – over 385mm)</li> <li>400mm PVCu</li> </ul>
<b>VSC425</b> <ul style="list-style-type: none"> <li>300mm concrete (o.d – over 405mm)</li> </ul>	<b>VSC430</b> <ul style="list-style-type: none"> <li>400mm ductile iron</li> <li>375mm asbestos cement</li> </ul>	<b>VSC445</b> <ul style="list-style-type: none"> <li>375mm asbestos cement</li> <li>400mm ductile iron</li> <li>400mm cast iron</li> </ul>	<b>VSC465</b> <ul style="list-style-type: none"> <li>375mm (15") salt glazed ware</li> <li>375mm vitrified clay</li> <li>375mm concrete (o.d – up to 465mm)</li> <li>400mm asbestos cement</li> <li>450mm PVCu</li> </ul>	<b>VSC490</b> <ul style="list-style-type: none"> <li>375mm concrete (o.d – over 456mm up to 490mm)</li> <li>450mm ductile iron</li> <li>450mm asbestos cement</li> </ul>	<b>VSC510</b> <ul style="list-style-type: none"> <li>375mm concrete (o.d – over 490mm up to 510mm)</li> <li>400mm vitrified clay</li> </ul>
<b>VSC525</b> <ul style="list-style-type: none"> <li>375mm concrete (o.d – over 510mm up to 525mm)</li> </ul>	<b>VSC540</b> <ul style="list-style-type: none"> <li>500mm ductile iron (bs595)</li> <li>375mm cast iron (smu/ensign/ sml)</li> </ul>	<b>VSC560</b> <ul style="list-style-type: none"> <li>450mm (18") salt glazed ware</li> <li>450mm vitrified clay</li> <li>450mm concrete (o.d – up to 560mm)</li> <li>500mm asbestos cement</li> </ul>	<b>VSC580</b> <ul style="list-style-type: none"> <li>450mm concrete (o.d – over 560mm up to 580mm)</li> </ul>	<b>VSC600</b> <ul style="list-style-type: none"> <li>450mm concrete (o.d – over 580mm up to 600mm)</li> </ul>	

## Material Options

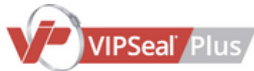
For applications that are subjected to higher temperatures, or where chemicals are present, VIPSeal® Flexible Couplings can be ordered in a range of materials:

### 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).

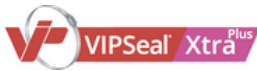


VIPSealPlus is manufactured from peroxide-cured EPDM which is superior to the sulphur-cured variant for elevated temperature applications and for applications that have to endure steam.

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 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 of the date of issue. We reserve the right to change any information without prior notice.