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## 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	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



### 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



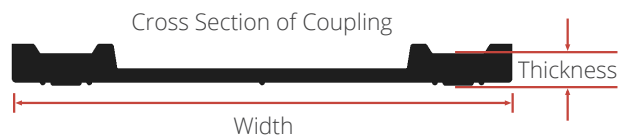
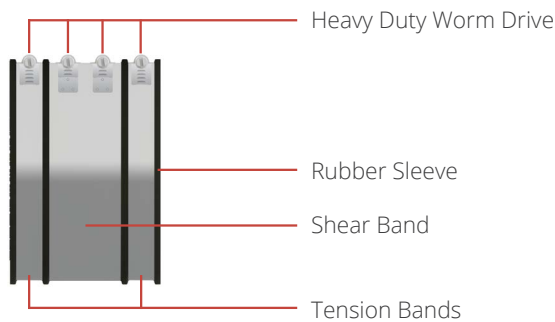
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## Product Range

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

<b>VSC115</b> <input type="checkbox"/> 110mm PVCu <input type="checkbox"/> 110mm ABS <input type="checkbox"/> 100mm cast iron (smu/ensign, sml) <input type="checkbox"/> 111mm Polyethylene	<b>VSC120</b> <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)	<b>VSC137</b> <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	<b>VSC165</b> <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	<b>VSC175</b> <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	<b>VSC200</b> <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
<b>VSC225</b> <input type="checkbox"/> 200mm ductile iron <input type="checkbox"/> 200mm cast iron (bs416)	<b>VSC250</b> <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	<b>VSC265</b> <input type="checkbox"/> 225mm asbestos cement <input type="checkbox"/> 225mm ductile iron <input type="checkbox"/> 250mm cast iron <input type="checkbox"/> 225mm supersleeve	<b>VSC275</b> <input type="checkbox"/> 225mm supersleeve <input type="checkbox"/> 250mm cast iron <input type="checkbox"/> 250mm ductile iron	<b>VSC290</b> <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	<b>VSC310</b> <input type="checkbox"/> 225mm concrete (o.d. - over 290mm)
<b>VSC320</b> <input type="checkbox"/> 315mm PVCu	<b>VSC335</b> <input type="checkbox"/> 300mm ductile iron <input type="checkbox"/> 300mm cast iron	<b>VSC345</b> <input type="checkbox"/> 300mm asbestos cement <input type="checkbox"/> 300mm ultra-rib <input type="checkbox"/> 300mm quantum <input type="checkbox"/> 300mm ductile iron	<b>VSC360</b> <input type="checkbox"/> 300mm superseal/supersleeve <input type="checkbox"/> 300mm rigidrain (355mm o/d) <input type="checkbox"/> 300mm Corripipe Twinwall	<b>VSC385</b> <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	<b>VSC410</b> <input type="checkbox"/> 300mm concrete (o.d. - over 385mm) <input type="checkbox"/> 400mm PVCu
<b>VSC425</b> <input type="checkbox"/> 300mm concrete (o.d. - over 405mm)	<b>VSC430</b> <input type="checkbox"/> 400mm ductile iron <input type="checkbox"/> 375mm asbestos cement	<b>VSC445</b> <input type="checkbox"/> 375mm asbestos cement <input type="checkbox"/> 400mm ductile iron <input type="checkbox"/> 400mm cast iron	<b>VSC465</b> <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	<b>VSC490</b> <input type="checkbox"/> 375mm concrete (o.d. - over 456mm up to 490mm) <input type="checkbox"/> 450mm ductile iron <input type="checkbox"/> 450mm asbestos cement	<b>VSC510</b> <input type="checkbox"/> 375mm concrete (o.d. - over 490mm up to 510mm) <input type="checkbox"/> 400mm vitrified clay
<b>VSC525</b> <input type="checkbox"/> 375mm concrete (o.d. - over 510mm up to 525mm)	<b>VSC540</b> <input type="checkbox"/> 500mm ductile iron (bs595) <input type="checkbox"/> 375mm cast iron (smu/ensign/sml)	<b>VSC560</b> <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	<b>VSC580</b> <input type="checkbox"/> 450mm concrete (o.d. - over 560mm up to 580mm)	<b>VSC600</b> <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.

