

Designed to perform,
engineered to last



Extra Wide Couplings (VSC-W & VLC-W)

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



Sometimes sealing challenges come on a truly grand scale. When this is the case, you can rely on VIPSeal® extra wide couplings which are designed to seal large diameter DN200 pipes or above.

With a 300mm width, the extra wide couplings are engineered using the same exceptional materials our standard seals. They provide greater tolerance when cutting the pipe ends, and offer resistance to any ground movement caused by settlement and thermal effect.

Both VIPSeal® standard (VSC) and extra large (VLC) couplings are available in extra wide options.



Product Specifications	
VIPSeal® Product Reference	VSC-W / VLC-W
Size Range	200mm and above
Material	EPDM Rubber
Steel	1.4301 (304) Stainless Steel / 1.4401 (316)
Tightening Torque	VSC-W 6Nm (50-290mm) / 10 Nm (310-385mm) / 13Nm (410-620mm) VLC-W 20Nm (601-1200mm) / 25Nm (1201mm and above)
Pressure Rating	2.5 bar / 36.25 psi (VSC-W), 1.5 bar / 21.76 psi (VLC-W)
Jetting Resistance	120 bar
Constant Working Temperature Range	-10° to 60°
Standards	EN681-1, EN295-4, WIS 4-41-01*, DIBt**, MPA, VA***, WSSAAS/NZS 4237**** * nominal sizes > DN600 ** nominal sizes > DN800 *** nominal sizes > DN600 **** nominal sizes > DN600



Applications:

- As a coupling to join plain ended pipes
- To repair damaged sections of pipe
- Connection of large diameter pipes
- Instances of great angular deflection
- For use in vertical drainage applications
- 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) up to DN600
- ✓ Shear band provides resistance against deflection and shear forces caused by heavy loads or vacuums
- ✓ Greater flexibility on site
- ✓ Withstands internal pressures up to 2.5 bar (VSC-W) and 1.5 bar (VLC-W), constant working pressure. Contact our technical department for intermittent working pressure above the stated recommendation

Product Range

Standard Extra Wide Couplings

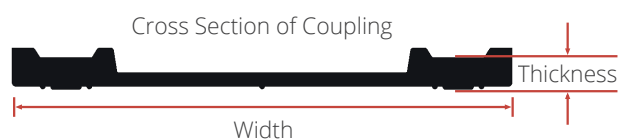
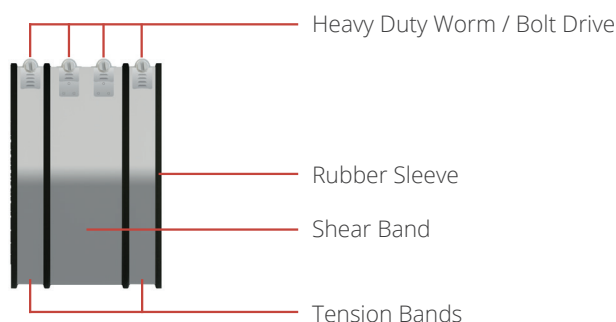
VIPSeal Reference	Range (Pipe O/D)		Width (mm)	Thickness (mm)
	From (mm)	To (mm)		
VSC225W	225	260	300	10.9
VSC290W	265	290	300	10.9
VSC310W	285	310	300	10.9
VSC320W	295	320	300	10.9
VSC335W	305	335	300	10.9
VSC345W	315	345	300	10.9
VSC360W	340	360	300	10.9
VSC385W	355	385	300	10.9
VSC410W	385	410	300	10.9
VSC425W	400	425	300	10.9
VSC430W	405	430	300	10.9
VSC445W	420	445	300	10.9
VSC450W	425	450	300	10.9
VSC465W	435	465	300	10.9
VSC470W	440	470	300	10.9
VSC490W	465	490	300	10.9
VSC510W	480	510	300	10.9
VSC525W	495	525	300	10.9
VSC540W	510	540	300	10.9
VSC550W	520	550	300	10.9
VSC560W	530	560	300	10.9
VSC570W	540	570	300	10.9
VSC580W	555	580	300	10.9
VSC600W	570	600	300	10.9
VSC620W	590	620	300	10.9

Standard Large Diameter Extra Wide Couplings

VIPSeal Reference	Range (Pipe O/D)		Width (mm)	Thickness (mm)
	From (mm)	To (mm)		
VLC600W	601	699	300	10.9
VLC700W	701	799	300	10.9
VLC800W	801	899	300	10.9
VLC900W	901	999	300	10.9
VLC1000W	1001	1099	300	10.9
VLC1100W	1101	1199	300	10.9
VLC1200W	1201	1299	300	10.9
VLC1300W	1301	1399	300	10.9
VLC1400W	1401	1499	300	10.9
VLC1500W	1501	1599	300	10.9
VLC1600W	1601	1699	300	10.9
VLC1700W	1701	1799	300	10.9
VLC1800W	1801	1899	300	10.9
VLC1900W	1901	1999	300	10.9
VLC2000W	2001	2099	300	10.9

Note: For VLC-W couplings, 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.



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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.

