

Global leaders in flexible couplings,  
drainage & plumbing systems



# *Flexible Couplings*

## *Standard Coupling*



Flexseal provides the most extensive range of Standard Couplings available in the marketplace and has revolutionised traditional pipe repair methods over the years.

Flexseal Standard Couplings are specifically designed to connect and repair pipes of different materials or sizes used in sewerage, drainage and other underground applications.

When excavation work is required to repair a damaged pipe, Flexseal Standard Couplings will reduce the amount of time required and minor differences in pipe diameter can be accommodated. The combination of a durable design and excellent sealing properties when tightened to the correct torque enable the Flexseal Standard Coupling to provide a reliable seal on rough pipe surfaces e.g. concrete, as well as on smooth surfaces e.g. PVC.

Standard Couplings can be combined with Flexseal Bushes in order to act as an adaptor between pipelines of differing outside diameters.

Flexseal can also supply the product with nitrile sleeves for use with effluent which may be contaminated with hydrocarbons. Couplings are also available with Grade 1.4401 (316) stainless steel for improved corrosion protection.



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| Product specification for SC |                                                              |
|------------------------------|--------------------------------------------------------------|
| Product Code                 | SC                                                           |
| Description                  | Flexseal Standard Coupling                                   |
| Size Range                   | 50 - 620mm                                                   |
| Material                     | EPDM Rubber / Nitrile Rubber                                 |
| Steel                        | 1.4301 (304) Stainless Steel or 1.4401 (316) Stainless Steel |
| Pressure Rating              | 2.5bar, 36.25psi                                             |
| Temperature Range            | -50°C to 80°C constant, 100°C intermittent                   |
| Tightening Torque            | 6Nm / 13Nm                                                   |
| Standards                    | WIS 4-41-01, EN295-4, EN681-1                                |
| Jetting Resistance           | 120 bar                                                      |

## Applications

When used individually or combined with bushes, Flexseal Standard Couplings have many applications in the construction, repair and maintenance of pipe systems:

- As a joint for plain ended pipes
- Repair and maintenance of existing pipelines
- Connecting short and cut lengths of pipe
- Making post construction connections to an existing pipeline
- Reconnection of laterals on renovated sewers
- Introducing a rocker pipe outside manholes or structures
- When used with bushes can accommodate differing pipe diameters



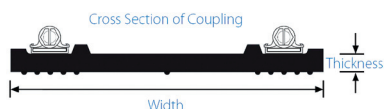
## Benefits

- Withstands an internal pressure of up to 2.5 bar
- A proven, tested and durable coupling design ensuring a high performance and a reliable connection
- Stainless steel shear band provides excellent resistance to heavy loads and shear forces
- Reduces excavation work
- Complies with WIS 4-41-01 (all public sewers and sewers for adoption)
- Complies with EN681-1: 1995 & BS EN 295 Part 4 requirements for vitrified clay pipes and fittings
- Shear band ensures joint integrity and pipe alignment under load

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## Product Range

| Reference No. | Size (mm) | Width (mm) | Thickness (mm) |
|---------------|-----------|------------|----------------|
| SC65          | 50 - 65   | 90         | 6              |
| SC75          | 60 - 75   | 108        | 6.5            |
| SC85          | 70 - 85   | 70         | 5              |
| SC95          | 80 - 95   | 110        | 7              |
| SC115         | 100 - 115 | 120        | 7              |
| SC120         | 105 - 120 | 120        | 7              |
| SC125         | 110 - 125 | 120        | 7              |
| SC137         | 122 - 137 | 120        | 7              |
| SC150         | 125 - 150 | 136        | 7              |
| SC165         | 140 - 165 | 136        | 7              |
| SC175         | 150 - 175 | 136        | 7              |
| SC185         | 160 - 185 | 136        | 7              |
| SC200         | 175 - 200 | 150        | 7.5            |
| SC215         | 190 - 215 | 150        | 7.5            |
| SC225         | 200 - 225 | 150        | 7.5            |
| SC250         | 225 - 250 | 150        | 7.5            |
| SC265         | 240 - 265 | 150        | 7.5            |
| SC275         | 250 - 275 | 150        | 7.5            |
| SC290         | 265 - 290 | 150        | 7.5            |
| SC310         | 285 - 310 | 190        | 9              |
| SC320         | 295 - 320 | 190        | 9              |
| SC335         | 310 - 335 | 190        | 9              |
| SC345         | 320 - 345 | 190        | 9              |
| SC360         | 335 - 360 | 190        | 9              |
| SC370         | 345 - 370 | 190        | 9              |
| SC385         | 360 - 385 | 190        | 9              |
| SC395         | 370 - 395 | 190        | 9              |
| SC410         | 385 - 410 | 190        | 9              |
| SC425         | 400 - 425 | 190        | 9              |
| SC430         | 405 - 430 | 190        | 9              |
| SC445         | 420 - 445 | 190        | 9              |
| SC450         | 425 - 450 | 190        | 9              |
| SC465         | 440 - 465 | 190        | 9              |
| SC470         | 445 - 470 | 190        | 9              |
| SC490         | 465 - 490 | 190        | 9              |
| SC510         | 485 - 510 | 190        | 9              |
| SC525         | 500 - 525 | 190        | 9              |
| SC540         | 515 - 540 | 190        | 9              |
| SC550         | 525 - 550 | 190        | 9              |
| SC560         | 535 - 560 | 190        | 9              |
| SC570         | 545 - 570 | 190        | 9              |
| SC580         | 555 - 580 | 190        | 9              |
| SC600         | 575 - 600 | 190        | 9              |
| SC620         | 595 - 620 | 190        | 9              |



## Common Applications

|       |                                                                                                                                                                          |       |                                                                                                                                  |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|
| SC115 | 110mm PVCu<br>110mm ABS<br>100mm CAST IRON (SMU/ENSIGN/SML)<br>111mm POLYETHYLENE                                                                                        | SC310 | 225mm CONCRETE (O.D.-Over 290mm)                                                                                                 |
| SC120 | 110mm PVCu<br>100mm CAST IRON (BS416)<br>100mm STAINLESS STEEL<br>100mm CAST IRON (BS437)<br>100mm DUCTILE IRON<br>100mm SUPERSLEVE (see also SC137)                     | SC320 | 315mm PVCu                                                                                                                       |
| SC137 | 100mm (4") SALT GLAZED WARE<br>100mm VITRIFIED CLAY<br>100mm SUPERSLEVE<br>100mm PITCH FIBRE<br>100mm ASBESTOS CEMENT                                                    | SC335 | 300mm DUCTILE IRON<br>300mm CAST IRON                                                                                            |
| SC165 | 160mm PVCu<br>150mm CAST IRON (SMU/ENSIGN/SML)<br>150mm STAINLESS STEEL<br>160mm POLYETHYLENE                                                                            | SC345 | 300mm ASBESTOS CEMENT<br>300mm ULTRA-RIB<br>300mm QUANTUM<br>300mm DUCTILE IRON                                                  |
| SC175 | 160mm PVCu<br>150mm DUCTILE IRON<br>150mm CAST IRON (BS416)<br>150mm CAST IRON (BS437)<br>150mm STAINLESS STEEL<br>150mm ULTRA-RIB<br>150mm QUANTUM                      | SC360 | 300mm Superseal/Supersleve<br>300mm RidgiDrain (355mm o/d)<br>300mm Corripipe Twinwall                                           |
| SC200 | 150mm (6") SALT GLAZED WARE<br>150mm VITRIFIED CLAY<br>150mm SUPERSLEVE<br>150mm CONCRETE<br>150mm ASBESTOS CEMENT<br>150mm PITCH FIBRE<br>180mm ULTRA-RIB<br>200mm PVCu | SC385 | 300mm (12") SALT GLAZED WARE<br>300mm VITRIFIED CLAY<br>300mm CONCRETE (O.D.-Up to 385mm)                                        |
| SC225 | 200mm DUCTILE IRON<br>200mm CAST IRON (BS416)                                                                                                                            | SC410 | 300mm CONCRETE (O.D.-Over 385mm)<br>400mm PVCu                                                                                   |
| SC250 | 175mm PITCH FIBRE<br>200mm VITRIFIED CLAY<br>200mm ASBESTOS CEMENT<br>225mm ULTRA-RIB<br>225mm QUANTUM<br>250mm PVCu                                                     | SC425 | 300mm CONCRETE (O.D.-Over 405mm)                                                                                                 |
| SC265 | 225mm ASBESTOS CEMENT<br>225mm DUCTILE IRON<br>250mm CAST IRON                                                                                                           | SC430 | 400mm DUCTILE IRON<br>375mm ASBESTOS CEMENT                                                                                      |
| SC275 | 250mm DUCTILE IRON<br>250mm CAST IRON                                                                                                                                    | SC445 | 375mm ASBESTOS CEMENT<br>400mm DUCTILE IRON<br>400mm CAST IRON                                                                   |
| SC290 | 225mm (9") SALT GLAZED WARE<br>225mm VITRIFIED CLAY<br>225mm CONCRETE (O.D.-Up to 290mm)<br>250mm ASBESTOS CEMENT<br>250mm DUCTILE IRON                                  | SC465 | 375mm (15") SALT GLAZED WARE<br>375mm VITRIFIED CLAY<br>375mm CONCRETE (O.D.-Up to 465mm)<br>400mm ASBESTOS CEMENT<br>450mm PVCu |
|       |                                                                                                                                                                          | SC490 | 375mm CONCRETE (O.D.-Over 456mm Up to 490mm)<br>450mm DUCTILE IRON<br>450mm ASBESTOS CEMENT                                      |
|       |                                                                                                                                                                          | SC510 | 375mm CONCRETE (O.D.-Over 490mm Up to 510mm)<br>SC510 400mm VITRIFIED CLAY                                                       |
|       |                                                                                                                                                                          | SC525 | 375mm CONCRETE (O.D.-Over 510mm Up to 525mm)                                                                                     |
|       |                                                                                                                                                                          | SC540 | 500mm DUCTILE IRON BSEN595<br>500mm CAST IRON (SMU/ENSIGN/SML)                                                                   |
|       |                                                                                                                                                                          | SC560 | 450mm (18") SALT GLAZED WARE<br>450mm VITRIFIED CLAY<br>450mm CONCRETE (O.D.-Up to 560mm)<br>500mm ASBESTOS CEMENT               |
|       |                                                                                                                                                                          | SC580 | 450mm CONCRETE (O.D.-Over 555mm Up to 580mm)                                                                                     |
|       |                                                                                                                                                                          | SC600 | 450mm CONCRETE (O.D.-Over 580mm Up to 600mm)                                                                                     |