



Clover unrestrained mechanical couplings comply with AS/NZS 4998 for potable, non-potable, wastewater and gas applications.

Features

Clover's high strength 316 stainless steel mechanical couplings join a wide range of pipe materials and can be used to join pipes with equal or differing outside diameters (Up to 29mm). This makes the coupling ideal for joining PVC-O, PVC-M, PVC-U, GRP, ductile iron, asbestos cement, steel and copper pipes.

Our couplings are manufactured with a lightweight 316 Stainless Steel barrel and fasteners and feature wedge shape Nitrile Rubber Seals.

Three bolt coupling design up to DN150 for fast field installation.

Can be installed without disassembling which makes installation faster and simpler.

Captive bolt head for one spanner operation, simplifying field assembly.

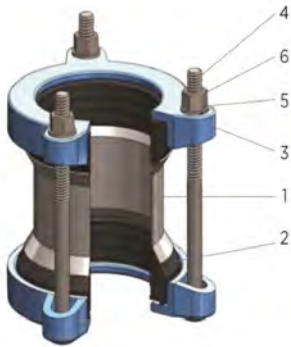
Applications

The Clover unrestrained mechanical coupling range is suitable for connecting two pipe spigots together. This product range does not provide longitudinal thrust restraint and is not recommended for use on polyethylene pipe.

Technical Data

| | |
|-------------------------------|--------------------------|
| Size Range: | DN80 - DN600 |
| Allowable Operating Pressure: | 1600kPa |
| Maximum Temperature: | 60 °C |
| Certifications: | AS/NZS 4998:2009 |
| | AS/NZS 4020 |
| | Product License OMK30040 |
| | WSAA Appraisal PA12/04 |

Components



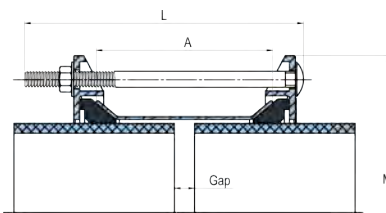
| Item | Part Name | Material |
|------|-----------|--------------------------------|
| 1 | Barrel | 316 Stainless Steel ASTM A240M |
| 2 | Seal | NBR AS1646 |
| 3 | Flange | Ductile Iron AS1831 |
| 4 | Bolt | 316 Stainless Steel ASTM F593 |
| 5 | Hex Nut | 316 Stainless Steel ASTM F844 |
| 6 | Washer | 316 Stainless Steel ASTM F594 |

Extended Barrel



| DN | Range | A (Barrel) | L | M | # Bolts | Gap | Def ° | Code |
|-----|---------|------------|-----|-----|---------|-------|-------|---------|
| 080 | 88-103 | 176 | 270 | 216 | 3 | 10-40 | 6 | DGCS080 |
| 100 | 108-132 | 176 | 270 | 243 | 3 | 15-50 | 6 | DGCS100 |
| 150 | 158-182 | 176 | 270 | 304 | 3 | 15-50 | 6 | DGCS150 |
| 200 | 216-242 | 176 | 285 | 353 | 5 | 15-50 | 6 | DGCS200 |
| 225 | 243-268 | 176 | 285 | 397 | 5 | 15-50 | 6 | DGCS225 |
| 250 | 270-295 | 176 | 285 | 417 | 6 | 15-50 | 6 | DGCS250 |
| 300 | 330-356 | 216 | 340 | 481 | 6 | 15-80 | 6 | DGCS300 |
| 375 | 400-429 | 216 | 340 | 565 | 8 | 15-80 | 5 | DGCS375 |
| 450 | 488-512 | 216 | 340 | 636 | 10 | 15-80 | 4 | DGCS450 |
| 500 | 540-565 | 216 | 340 | 703 | 12 | 20-80 | 4 | DGCS500 |
| 600 | 656-680 | 216 | 340 | 818 | 14 | 25-80 | 3 | DGCS600 |

Standard Barrel



| DN | Range | A (Barrel) | L | M | # Bolts | Gap | Def ° | Code |
|-----|---------|------------|-----|-----|---------|-------|-------|-----------|
| 080 | 88-103 | 101 | 210 | 216 | 3 | 10-40 | 6 | DGCS080SB |
| 100 | 108-132 | 121 | 210 | 243 | 3 | 15-50 | 6 | DGCS100SB |
| 150 | 158-182 | 136 | 210 | 304 | 3 | 15-50 | 6 | DGCS150SB |

All fasteners supplied as M16. All dimensions are quoted in millimetres.

Contact Clover for information on additional sizes not shown on this data sheet.