AS/NZS4130 – Polyethylene (PE) pipes for pressure applications

AS/NZS4129 – Fittings for polyethylene (PE) pipes for pressure applications

Version 1.0
We are Clover, an integrated pipeline infrastructure business

Founded by a passionate team of industry professionals, we combine strategic project consultation, product innovation and service excellence. We work with local and global partners to specify world-leading pipelines across Australia and the Asia Pacific region.

Future facing pipeline infrastructure

We believe in new ways of doing—and at Clover, we do things differently. We don’t rest on the past, or the present, we’re committed to consistent innovation that supports existing communities and establishes new ones.
Australia’s most complete pipeline infrastructure provider.

We partner with our clients to offer holistic design-led packages that go beyond supply and delivery—bridging the gap between the design, source and supply of pipeline infrastructure systems.

**PLAN**

Clover’s inhouse engineering team combines specialist technical knowledge, creative thinking and on-the-job experience, to offer our clients a range of project planning and design consultation services.

**SOURCE**

Constantly pushing to challenge what’s achievable, Clover harnesses an extensive network of product partners to bring our clients the competitive advantage that comes with choice, availability and cutting edge innovation.

**SUPPLY**

In a project based industry, timing is everything. At Clover, our approach to supply and distribution is based around a dedication to consistency, responsiveness and service excellence.
### Nominal diameter (DN) equals outside diameter.

Contact your local Clover sales office for details on DN900 to DN2000 pipe diameters & rural pipe 3/4" - 2". Alternate lengths available on request.

### POLYETHYLENE PE100 - SERIES 1 (AS/NZS 4130)

<table>
<thead>
<tr>
<th>PN</th>
<th>SDR</th>
<th>DN</th>
<th>Mean ID (mm)</th>
<th>Standard Length</th>
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<tbody>
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<td>4</td>
<td>41</td>
<td>18</td>
<td>12.8 12.4 50 or 400 m</td>
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<tr>
<td>8</td>
<td>26</td>
<td>20</td>
<td>16.8 16.4 50 or 400 m</td>
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<tr>
<td>10</td>
<td>21</td>
<td>25</td>
<td>21.8 21.3 50, 100 or 400 m</td>
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<tr>
<td>12.5</td>
<td>17</td>
<td>32</td>
<td>28.8 28.2 26.2 24.9 50, 100 or 400 m</td>
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<tr>
<td>16</td>
<td>13.6</td>
<td>40</td>
<td>36.2 35.3 34.1 32.7 31.1 50 or 150 m</td>
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<tr>
<td>19</td>
<td>32</td>
<td>50</td>
<td>45.2 44.1 42.6 40.9 38.9 50 or 150 m</td>
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<tr>
<td>20.5</td>
<td>35</td>
<td>63</td>
<td>59.2 57.0 55.6 53.7 51.5 49.0 50 or 100 m</td>
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<tr>
<td>64.0</td>
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<td>75</td>
<td>70.1 67.9 66.2 64.0 61.4 58.3 12, 20 or 100 m</td>
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<td>73.6</td>
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<td>90</td>
<td>84.5 81.4 79.4 78.8 73.6 70.0 12, 20 or 100 m</td>
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<tr>
<td>85.6</td>
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<td>110</td>
<td>104.6 103.3 99.5 93.8 90.0 85.6 12, 20 or 100 m</td>
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<td>97.2</td>
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<td>125</td>
<td>118.9 117.4 113.1 110.3 106.6 102.3 97.2 12, 20 or 100 m</td>
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<tr>
<td>108.9</td>
<td>50</td>
<td>140</td>
<td>133.2 131.5 126.7 123.5 119.4 114.5 108.9 12 or 20 m</td>
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<tr>
<td>124.4</td>
<td>53</td>
<td>160</td>
<td>152.2 150.3 144.8 141.2 136.5 130.9 124.4 12 or 20 m</td>
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<td>134.4</td>
<td>56</td>
<td>180</td>
<td>171.2 169.1 162.9 158.8 153.5 147.3 140.0 12 or 20 m</td>
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<td>155.6</td>
<td>59</td>
<td>200</td>
<td>190.2 187.9 181.0 178.5 170.8 163.6 155.6 12 or 20 m</td>
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<td>178.0</td>
<td>62</td>
<td>225</td>
<td>225 214.0 203.6 198.5 191.9 184.1 179.0 12 or 20 m</td>
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<td>204.5</td>
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<td>250</td>
<td>257.8 244.8 236.2 226.6 213.2 204.5 194.4 12 or 20 m</td>
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<tr>
<td>217.8</td>
<td>68</td>
<td>280</td>
<td>286.3 263.0 253.3 247.1 238.8 229.1 217.8 12 or 20 m</td>
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<tr>
<td>240.0</td>
<td>71</td>
<td>315</td>
<td>329.6 305.9 285.0 277.9 268.7 257.7 245.0 12 or 20 m</td>
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<tr>
<td>276.1</td>
<td>74</td>
<td>355</td>
<td>357.7 335.5 321.2 313.2 302.8 290.5 276.1 12 or 20 m</td>
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<tr>
<td>311.1</td>
<td>77</td>
<td>400</td>
<td>380.5 360.5 351.9 352.9 341.2 327.3 311.1 12 or 20 m</td>
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<tr>
<td>350.0</td>
<td>80</td>
<td>450</td>
<td>428.0 422.7 407.1 397.1 383.8 368.2 350.0 12 or 20 m</td>
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<tr>
<td>388.9</td>
<td>83</td>
<td>500</td>
<td>475.6 469.7 452.4 441.2 426.5 409.1 388.9 12 or 20 m</td>
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<tr>
<td>415.6</td>
<td>86</td>
<td>560</td>
<td>532.7 526.1 506.7 494.1 477.6 458.2 415.6 12 or 20 m</td>
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<tr>
<td>490.0</td>
<td>89</td>
<td>630</td>
<td>599.3 591.8 570.0 555.9 537.4 515.5 490.0 12 or 20 m</td>
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<tr>
<td>552.2</td>
<td>92</td>
<td>710</td>
<td>675.4 667.0 642.4 626.5 605.6 580.9 552.2 12 or 20 m</td>
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<tr>
<td>622.2</td>
<td>94</td>
<td>800</td>
<td>761.0 751.5 723.8 705.9 682.4 654.5 622.2 12 or 20 m</td>
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</table>

### Striping and colour coding guide

<table>
<thead>
<tr>
<th>BLACK NO STRIPE</th>
<th>BLACK / BLUE STRIPE</th>
<th>BLACK / LILAC STRIPE</th>
<th>BLACK / YELLOW STRIPE</th>
<th>BLACK / RED STRIPE</th>
<th>LILAC</th>
<th>ORANGE</th>
<th>WHITE</th>
<th>WHITE</th>
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<tbody>
<tr>
<td>All applications except for fuel gases</td>
<td>Potable water</td>
<td>Recycled or reclaimed non-potable water</td>
<td>Gases under pressure</td>
<td>Water for fire extinguishing</td>
<td>Recycled or reclaimed non-potable water</td>
<td>Electrical conduit</td>
<td>Above ground pipelines</td>
<td>Communications conduit</td>
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</tbody>
</table>
PRODUCT RANGE

ELECTROFUSION.

Coupler

Reducing Coupler

Elbow

Tee

End Cap

Transition Coupler

Saddle

Welding Wipes

Transition Elbow
Available in both long spigot and short spigot ranges.
PRODUCT RANGE

COMPRESSION.

Coupling  Tee

Reducing Coupler  End Cap

Adaptor  Tapping Saddle

Elbow  Flange Coupling

Available in both Metric & Rural.
PRODUCT RANGE

VALVES & INSTRUMENTATION.

Gate
Isolation

Air
Check

Butterfly
Flowmeter

Ball
Knife Gate
FABRICATION.

Clover specialises in the supply of a complete range of high-quality custom fabricated polyethylene pipe and fittings to meet our client’s specification.

- Pipe Spools
- Sweep & Segmented Bends
- Tees & Y’s
- Manhole & Thrust Connectors
- Manifolds

Using the latest technology and equipment, all products are manufactured under an ISO9001 Quality Management System by fully qualified and experienced staff.

Get in touch to find out more about our fabricated products:

solutions@cloverpipe.com.au
www.cloverpipe.com.au/contact
PRODUCT RANGE

THREADED.

- Nipple
- Socket
- Reducing Nipple
- Elbow
- Reducing Bush
- Tee
- Plug
- Threaded Riser
- End Cap

Manufactured from Polypropylene for increased strength and enhanced chemical resistance.
PRODUCT RANGE

TOOLS.

- Electrofusion Welding Units
- Pipe Cutters & Bevelers
- Butt Fusion Welding Units
- Pipe Re-Rounders
- Top-Loading Saddle Kits
- Alignment Clamps
- Pipe Scrapers & Peelers
- Squeeze Off Tools