

C301L (Concrete Pressure Pipe/AWA)

C301L

Rinker In Prestressed Concrete Lined Cylinder Pipe (C301L), prestressing is achieved by helically wrapping, under measured tension and at uniform spacing, a high tensile strength wire around the concrete-lined steel cylinder. This wire wrap places the steel cylinder and concrete core in compression, developing the pipe's ability to withstand specified hydrostatic pressures and external loads without great reliance on the bedding and backfill materials. Concrete Pressure Pipe (CPP) is the only pressure pipe material considered a rigid pipe by design. What this means is that up to 95% of the structure comes with the pipe, not the bedding and backfill constructed onsite.

Benefits

- Total pipeline solutions - all pipe, fittings, restrainers and accessories come from one source
- Most rugged and toughest pipe available for the water and wastewater industry
- 3rd Party Certified - including annual audits of all manufacturing facilities
- Li Designed as a Rigid Structure - up to 95% of strength comes with the pipe
- A Excellent corrosion inhibiting properties - not a barrier coating; but a true embedment and passivation of the metal components including and accessories



AWWA C301L PIPE DATA SHEET

| Pipe Dia. (mm) | Actual Pipe I.D. (mm) | Bell O.D. (mm) | Standard Lay Length (mm) | Approx. Weight (kg/m) |
|----------------|-----------------------|----------------|--------------------------|-----------------------|
| 600 | 644 | 765 | 7.315 | 311 |
| 750 | 814 | 935 | 7.315 | 410 |
| 900 | 985 | 1105 | 7.315 | 514 |
| 1050 | 1155 | 1270 | 7.315 | 659 |
| 1200 | 1325 | 1435 | 7.315 | 787 |
| 1350 | 1496 | 1610 | 7.315 | 958 |
| 1500 | 1670 | 1838 | 6.096 | 1100 |

Typical Joint
Prestressed Lined Cylinder Pipe (LCP)

