



THOMPSON[™]
PIPE GROUP
PRESSURE

**L-301 PRESTRESSED CONCRETE LINED
CYLINDER PIPE (AWWA C301) (U.S.)**



L-301 PRESTRESSED CONCRETE LINED CYLINDER PIPE (AWWA C301)

Concrete structures are prestressed when predetermined compressive stresses are applied to them to counter expected future tensile stresses as a result of field loads.

In Prestressed Concrete Lined Cylinder Pipe (L-301), 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 with a safety factor comparable to other waterworks piping materials.

Concrete's high compressive strength and steel's high tensile strength are combined to form an elastic structure. This feature allows the pipe to perform even when design working loads are exceeded.

AWWA C301 Pipe Data Sheet (For lined cylinder pipe made in U.S.)				
inside pipe diameter*	core thickness including cylinder	max. outside diameter at bell	weight per lineal foot	standard laying length*
16"	1"	21"	120#	20' - 32'
18"	1 1/8"	23"	150#	20' - 32'
20"	1 1/4"	25 1/2"	175#	20' - 32'
24"	1 1/2"	30 "	230#	20' - 32'
27"	1 11/16"	33 1/2"	285#	20' - 32'
30"	1 7/8"	37"	330#	20' - 32'
33"	2 1/16"	40 1/2"	390#	20' - 32'
36"	2 1/4"	43 1/2"	445#	20' - 24'
39"	2 7/16"	47"	515#	20' - 24'
42"	2 5/8"	50 1/2"	575#	20' - 24'
48"	3"	57 1/2"	725#	16' - 20'

NOTE: * Availability of diameters and laying lengths varies by location. Contact your sales representative for more information.

JOINT CLOSURE: TPG Pressure's circular O-ring gasket provides a highly dependable positive joint seal. Made of high-quality synthetic rubber, extruded to exacting tolerances and measured volumetrically, the gasket fits within an accurately shaped spigot groove.

