

Culvert Pipe **ROLADUCT** Spiral Tubing Pty. Ltd.

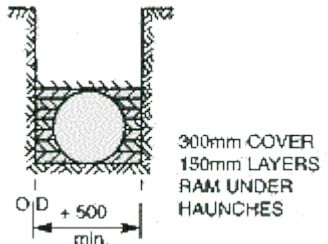
Roladuct galvanized culvert pipe is manufactured in a range of sizes from 203mm diameter to 2438mm. The 4 ply lockseam adds strength and rigidity to a versatile pipe with many uses on the farm or mining and general industrial applications.

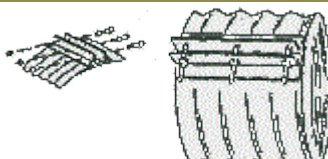
This table summarises the calculations and gives data equivalent to those in Table 2.2 of Australian Standard 1762-1984

Material Thickness Sine Profile	Section Area mm ² /mm	Second Moment of Area mm ⁴ /mm	Section Modulus mm ³ /mm	Radius of Gyration mm
1.6	2.32	142	8.4	7.83

Geotas regularly stocks the following size pipes in 7 metre lengths. Other sizes can be sourced in large quantities.

Diameters & Thickness			
Metric mm	Thickness mm	Approx Mass kg/m	Recommended Minimum Cover m
300	1.6	15	0.6
375	1.6	19	0.6
432	1.6	22	0.6
450	1.6	23	0.6
525	1.6	25	0.6
600	1.6	30	0.6
675	1.6	35	0.6
750	1.6	38	0.6
810	1.6	40	0.6
900	1.6	45	0.6
1050	1.6	53	0.6
1200	1.6	60	0.6

Back Fill	
<p>Culvert should be laid on a firm, well compacted granular bed 100mm deep in a trench 500mm wider than the pipe diameter. Back fill with well compacted selected material passing 75mm screen in 150mm deep layers. Continue restricted back fill until minimum cover then bulk earthwork to final level.</p>	<p>300mm COVER 150mm LAYERS RAM UNDER HAUNCHES</p> <p>O.D. + 500 min.</p>

External Joiner	
<p>The most common joining method for culvert pipe is the external joiner - 2 half sections bolted together.</p> <p>Pipes may also be welded.</p>	