

The logo for SnapTite, featuring the word "Snap" in white on a red background and "Tite" in white on a black background, with a registered trademark symbol.

SnapTite[®]

A large, close-up view of a corrugated pipe, showing its ribbed texture and the interior opening. A white pickup truck is visible in the background, parked on a gravel surface.

SNAP-TITE[®]
LARGE DIAMETER
CULVERT LINING
SYSTEMS



1-800-CULVERT

WWW.CULVERT-REHAB.COM

SnapTite®

Snap-Tite Large Dia



State Departments of Transportation, counties and municipalities are facing a critical problem. Culverts installed 40 to 50 years ago are failing at an alarming rate nationwide. Thousands of corrugated metal culverts are so significantly rusted that a danger of sink holes, road collapse or flooding exists. Concrete culverts have cracked or pulled apart at the joint, creating similar dangerous scenarios. Conventional repair methods of the past have been to dig and replace the failed pipe. Snap-Tite is one of the few companies that can offer structural, no dig rehabilitation solutions for culverts of all sizes.

Snap-Tite's Large Diameter high density polyethylene (HDPE) Lining System is the ideal solution for failing metal and concrete culverts of any size, including oval or arched. Snap-Tite is a cost-effective, no-dig solution with field-tested benefits. Years of experience and thousands of culvert projects have proven that rehabbing a culvert with the Snap-Tite system is the better solution. Using solid wall HDPE pipe, as well as state-of-the-art profile wall HDPE pipe, culverts rehabilitated using the Snap-Tite system actually outperform the original structures. The low resistance of flow (Manning's N of 0.009) of HDPE pipe allows for greater flows. The use of gasketed or fused joints assures a watertight seal, easily meeting the requirements of ASTM D3212. Also, HDPE is of the most corrosion- and abrasion-resistant pipe materials available. Which means you can fix it, forget it and move on to the next challenge knowing Snap-Tite is a long-term solution.



1-800-CULVERT

Large Diameter Culvert Lining Systems

Snap-Tite's Large Diameter line is constructed of profile wall HDPE pipe meeting the ASTM F894 direct-bury sewer pipe requirements. These products offer all of the benefits of our solid wall line but in bigger diameters. The use of profile wall pipe provides lower weight answers at lower costs for even your largest culvert rehab needs. From our solid wall HDPE to our profile wall HDPE, the products offered by Snap-Tite have been selected based on the reputation of the manufacturers, the quality of their products and the needs of our customers.

Snap-Tite's large diameter options are available in lengths from 20 to 50 feet long with special lengths available upon request. The pipe is joined together then pushed and/or pulled into the full length of the existing culvert. Unlike other rehab systems, the annular space between the old pipe and the new Snap-Tite is filled with a low-density cellular grout which fills any voids between the roadway and the culvert, delivering a truly 'rehabbed' culvert. Snap-Tite is also easy to install. Nearly all of the culvert renewal can be done off road with minimum disturbance to the right-of-way and without road closures.



Large Diameter HDPE Piping Systems Offers:

- Corrosion Resistance
- Light Weight
- Multiple Jointing Options
- Hydraulic Efficiency
- 100-Year Plus Service Life
- Impact Resistance
- 100% Leak-Free Restrained Joint
- Flexibility of Design
- Environmental Protection
- Chemical Resistance
- Cost Effectiveness
- Abrasion resistance
- High strength
- Long-term durability

Snap-Tite is ideal for rehabilitating existing culvert sites, especially:

- Roadways
- Railroads
- Levees
- Fish Passageways

Culvert Size CMP ID	Flow GPM	Snap-Tite ID Size	RSC	Maximum OD	Slope %	Open Area Sq. Inches	Open Area Sq. Feet	Flow GPM	Flow CFS	% of Flow
60	20019	48	100	51.88	0.1	1809.56	12.57	28990.58	64.59	144.81%
60	20019	48	160	52.8	0.1	1809.56	12.57	28990.58	64.59	144.81%
66	25813	54	100	58.8	0.1	2290.22	15.90	39689.96	88.43	153.76%
72	32556	54	160	59.28	0.1	2290.22	15.90	39689.96	88.43	121.91%
78	40303	60	100	65.38	0.1	2827.43	19.63	52567.33	117.12	130.43%
78	40303	60	160	65.38	0.1	2827.43	19.63	52567.33	117.12	130.43%
84	49110	66	100	71.81	0.1	3421.19	23.76	67781.34	151.02	138.02%
84	49110	66	160	71.86	0.1	3421.19	23.76	67781.34	151.02	138.02%
90	59032	72	100	77.83	0.1	4071.50	28.27	85485.46	190.46	144.81%
90	59032	72	160	77.95	0.1	4071.50	28.27	85485.46	190.46	144.81%
96	70120	78	100	83.68	0.1	4778.36	33.18	105828.54	235.79	150.93%
96	70120	78	160	85	0.1	4778.36	33.18	105828.54	235.79	150.93%
102	82425	84	100	89.86	0.1	5541.77	38.48	128955.35	287.31	156.45%
102	82425	84	160	90.6	0.1	5541.77	38.48	128955.35	287.31	156.45%
120	127145	96	100	102.6	0.1	7238.23	50.27	184121.23	410.22	144.81%
120	127145	96	160	104.32	0.1	7238.23	50.27	184121.23	410.22	144.81%
150	230546	120	100	129.36	0.1	11309.73	78.54	333858.84	743.84	144.81%
150	230546	120	160	129.36	0.1	11309.73	78.54	333858.84	743.84	144.81%

Snap-Tite has Oval Pipe Options

Since one-third of existing culverts are arched, Snap-Tite® again has come up with a solution: oval pipe. It has the same benefits as round HDPE Snap-Tite®, yet made for a better fit into an existing arched culvert.

The Snap-Tite® Culvert Lining System actually outperforms both the round and oval concrete and corrugated metal pipes it rehabilitates. Lightweight, flexible, durable HDPE has an indefinite service life and the Snap-Tite® culvert lining joining system assures a water-tight seal at all joints.



Make the connection! For more information visit www.culvert-rehab.com or call us at **1-800-CULVERT**

