

The D.S. Brown Co.

Founded in 1890 and based in North Baltimore, Ohio, USA, The D.S. Brown Company is a worldwide designer, manufacturer and supplier of engineered products for the highway and bridge construction markets.

D.S. Brown is fully integrated, performing and controlling all requirements of a project internally:

- Research and Development
- Engineering Design/CAD Detailing
- Load Testing
- Rubber Compounding, Mixing, Extruding and Molding
- Custom Steel Fabrication and Machining

**PROTECT
YOUR
INVESTMENT**



HEADQUARTERS

300 East Cherry
North Baltimore, Ohio 45872

CONTACT

Phone (419) 257-3561
Fax (419) 257-2200
www.dsbrown.com

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DSB ML-Drainage Trough-Data Sheet-01

D.S. Brown Drainage Trough System

The D.S. Brown Drainage Trough System is a flexible water drainage system designed for use with open dam expansion joint systems. The D.S. Brown Drainage Trough System acts as part of the bridge drainage system by collecting runoff and channeling it into rigid downspouts, thus protecting the steel structure below from corrosion, waterways from pollution, and/or traffic from falling aggregate and roadway runoff.



The D.S. Brown Drainage Trough System provides superior performance when trough splices become necessary. D.S. Brown employs the time-tested and lab proven method of hot vulcanization to make splices in drainage trough systems. Hot vulcanized splices out-perform and out-last the alternative: cold-chemical vulcanization. Cold-chemical vulcanization is nothing more than a two-part epoxy that is used to glue the material together. Testing and field experience have shown this method to be non-compliant with peel test specifications mandated by some state departments of transportation. Why sacrifice product integrity when a high quality alternative is available?

The D.S. Brown Drainage Trough System can be manufactured to meet the requirements of most state departments of transportation. The material specified for most drainage trough systems is composed of multiple plies of synthetic fabric laminated with an elastomer and vulcanized to form an integral laminate. The D.S. Brown Drainage Trough System can be custom designed for almost any bridge design. Please consult the D.S. Brown Engineering Department for design advice regarding affixing schemes and configuration considerations.