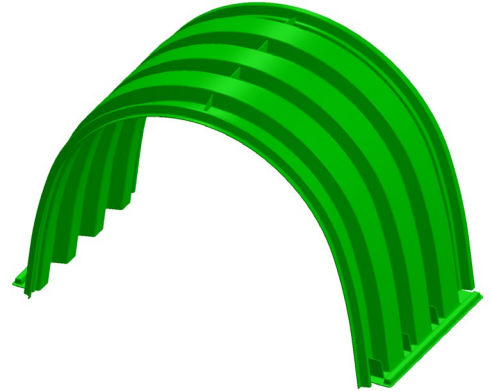


HYDROCHAIN™ S-22 Chamber

Chambers backed by decades of expert engineering and material innovation – and 15+ years of proven installation performance

What sets our corrosion-resistant S-22 chambers apart is that they are manufactured of fiberglass-reinforced thermosetting plastic. Both the material itself and the fiberglass reinforcement add strength and stiffness, giving our chambers greater durability than unreinforced HDPE and PP chambers. Our expert team will work with you to create the best solution for your stormwater management needs – a cost-effective, site-specific design that provides a long service life.



Designed to meet industry standards, they are evaluated and tested according to the methodology of ASTM F2418 (*Standard Specification for Polypropylene (PP) Corrugated Wall Stormwater Collection Chambers*), and F2787 (*Standard Practice for Structural Design of Thermoplastic Corrugated Wall Stormwater Collection Chambers*).

Chamber Specifications

Material

Fiberglass-reinforced plastic (FRP)

Service Life

100 years

Design Load

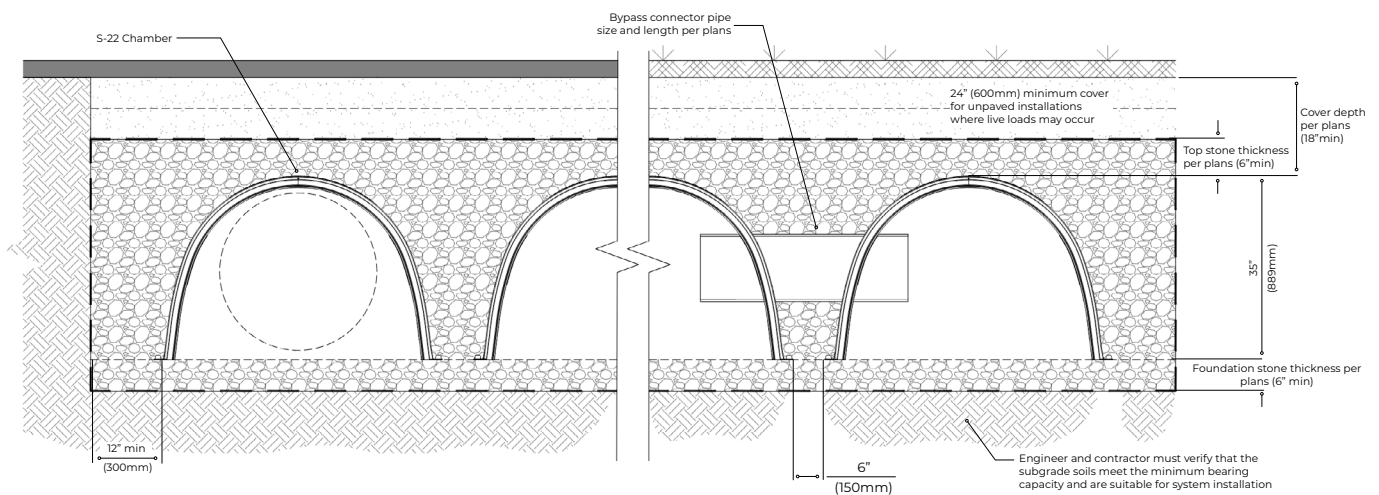
HL-93 / H-20

Industry Standards

ASTM F2787, F2418, AASHTO *LRFD Bridge Design Specifications*

Arch Stiffness Constant (ASC)

≥ 900 lbs/ft/%



Working on a project?

Go to **Find a Rep at xerxes.com** to find a stormwater sales representative in your area. For project support, email eng.support@mattr.com.

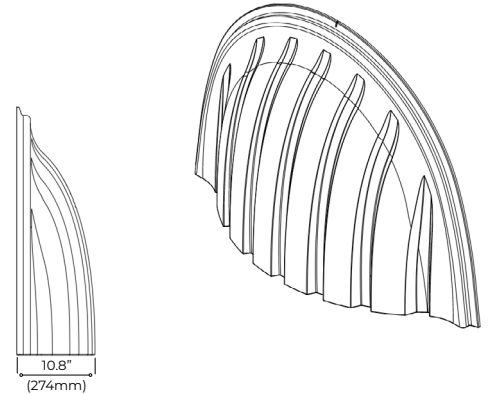
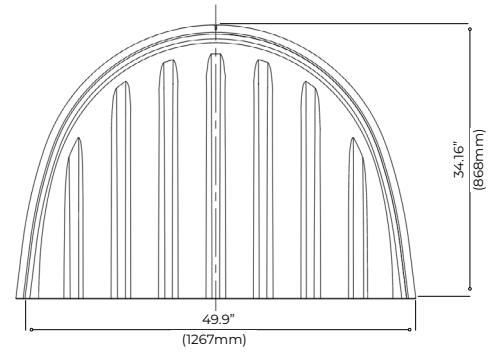
For more information and digital tools for HydroChain stormwater products, visit xerxes.com/xerxesconnect.



HydroChain™ S-22 Chamber Properties

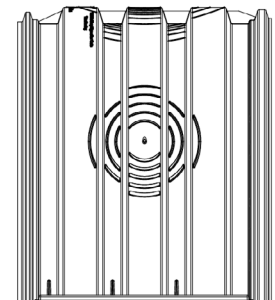
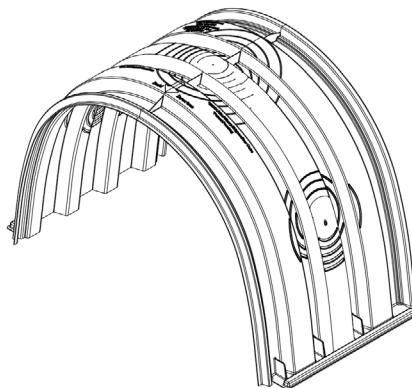
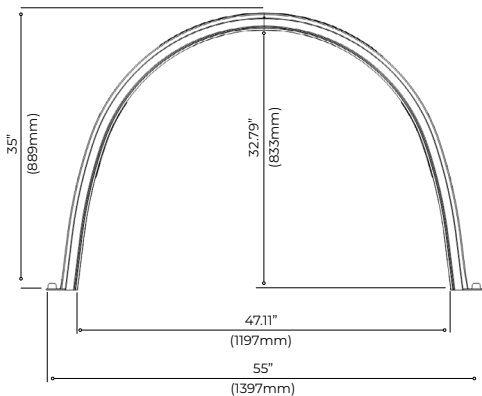
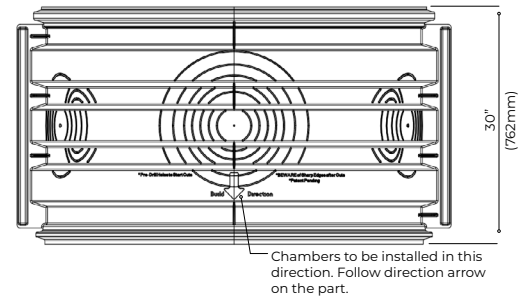
S-22 Chamber Properties

Nominal dimensions (layup length x width x height)	27.66" x 55.00" x 35.00" (703mm x 1397mm x 889mm)
Bare chamber storage	21.57 ft ³ (0.611 m ³)
Minimum installed storage*	31.30 ft ³ (0.886m ³)
Chamber weight	28 lbs (12.701 kg)
Storage per linear unit without stone	9.36 ft ³ /ft (0.869 m ³ /m)
Storage per linear unit with stone	13.58 ft ³ /ft (1.261 m ³ /m)
* Assuming a minimum of 6" (150mm) stone above and below, and 6" (150mm) between rows with 40% stone porosity (Does not include 12" (300mm) perimeter stone volume.)	



S-22 End Cap Properties

Nominal dimensions (layup length x width x height)	10.8" x 49.9" x 34.16" (274mm x 1267mm x 868mm)
Bare end cap storage	3.98 ft ³ (0.113 m ³)



For over 40 years, Xerxes has designed and manufactured fiberglass underground storage tanks for fuel, water and wastewater. Xerxes' most recent expansion is its HydroChain™ stormwater product line — highly engineered products with site-specific designs for stormwater management solutions. Xerxes is a key brand of Mattr, a global materials technology company serving critical infrastructure markets.