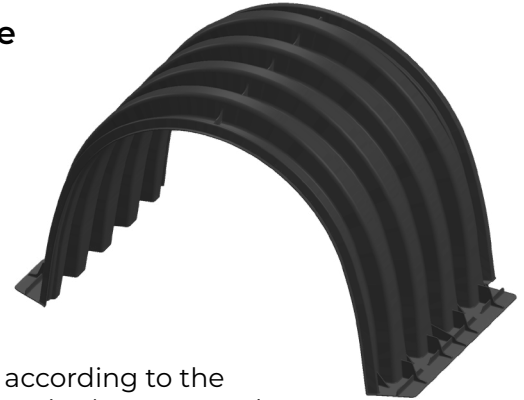


# HYDROCHAIN™ S-29B Chamber

## Reinforced chambers provide unparalleled performance

As the world's first long-fiber thermoplastic chamber, the S-29B is far superior to traditional plastic chambers. With unmatched strength, stiffness and temperature resistance, the S-29B gives customers the benefits of next-generation materials. Aside from product quality, product availability is also extremely important. The new Xerxes manufacturing facility in Texas assures customers that they can have high-performance, corrosion-resistant chambers when and where they need them.



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 polypropylene (PP)

### Design Load

HL-93 / H-20

### Service Life

100 years

### Industry Standards

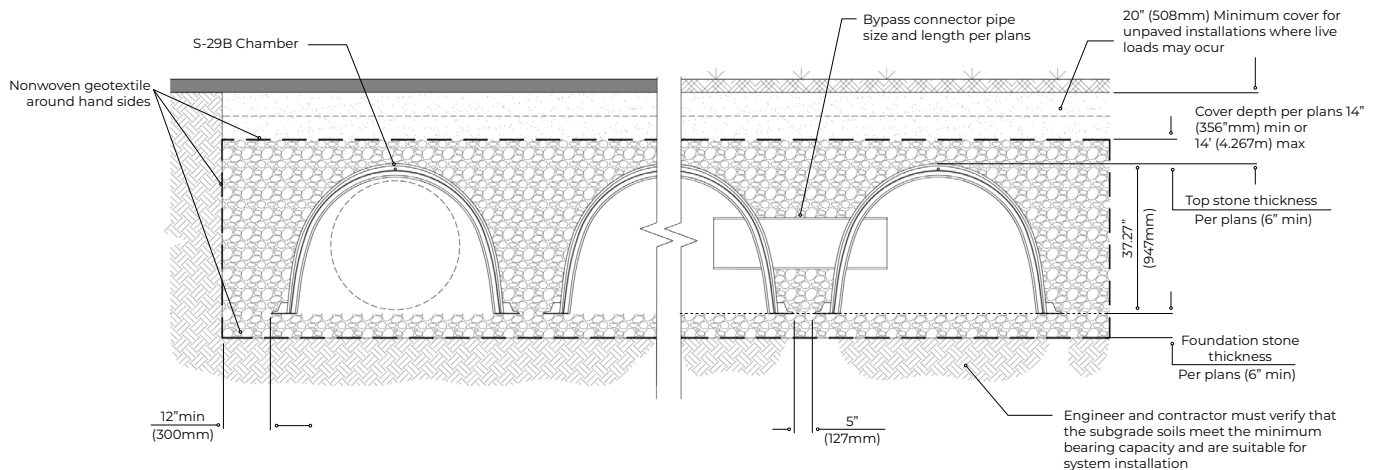
ASTM F2787, F2418, AASHTO LRFD  
*Bridge Design Specifications*

### Shipping Details

20 chambers per pallet

### Arch Stiffness Constant (ASC)

≥ 800 lbs/ft/%



## Working on a project?

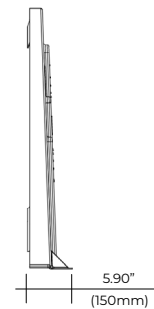
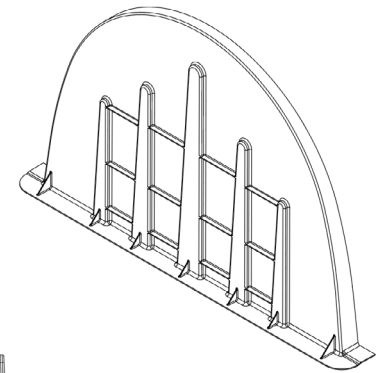
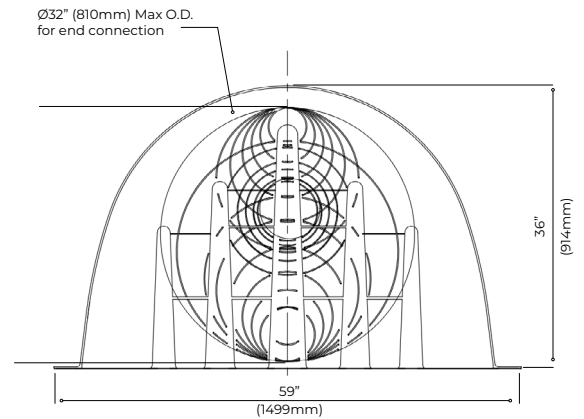
Visit our website to find a stormwater rep in your area. For project support, email [eng.support@mattr.com](mailto:eng.support@mattr.com).



# HydroChain™ S-29B Chamber

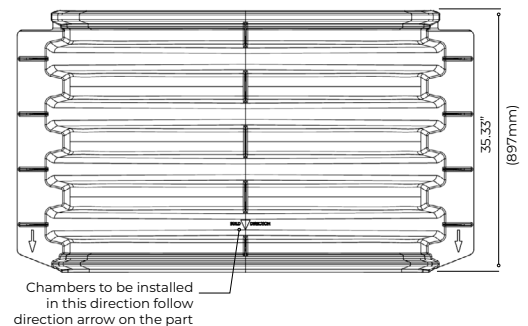
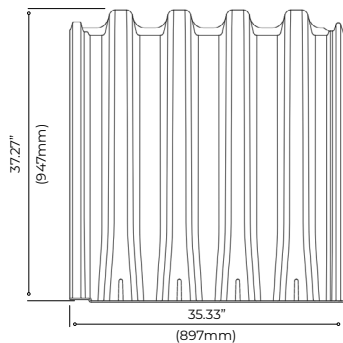
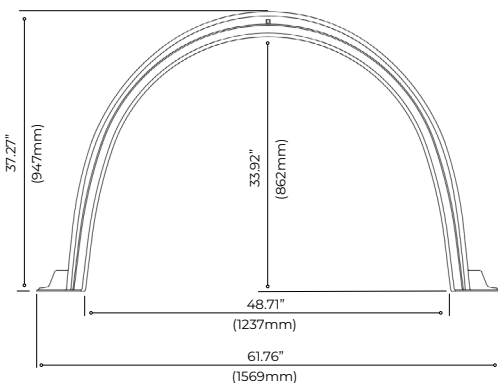
## S-29B Chamber Properties

Nominal dimensions (layup length x width x height)	33.35" x 61.76" x 37.27" (847mm x 1569 mm x 947 mm)
Bare chamber storage	27.80 ft <sup>3</sup> (0.787 m <sup>3</sup> )
Minimum installed storage*	42.07 ft <sup>3</sup> (1.191m <sup>3</sup> )
Chamber weight	34 lbs (15.42 kg)
Storage per linear unit without stone	10.00 ft <sup>3</sup> /ft (0.929 m <sup>3</sup> /m)
Storage per linear unit with stone	15.1 ft <sup>3</sup> /ft (1.406 m <sup>3</sup> /m)
* Assuming a minimum of 6" (150mm) stone above and below, and 5" (127mm) between rows with 40% stone porosity <b>(Does not include 12" (300mm) perimeter stone volume.)</b>	



## S-29B End Cap Properties

Nominal dimensions (layup length x width x height)	5.90" x 59.00" x 36.00" (150mm x 1499mm x 914mm)
Bare end cap storage	1.031 ft <sup>3</sup> (0.029 m <sup>3</sup> )



For over 45 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.