Trenwa.
PRECAST TRENCH SOLUTIONS

NEW

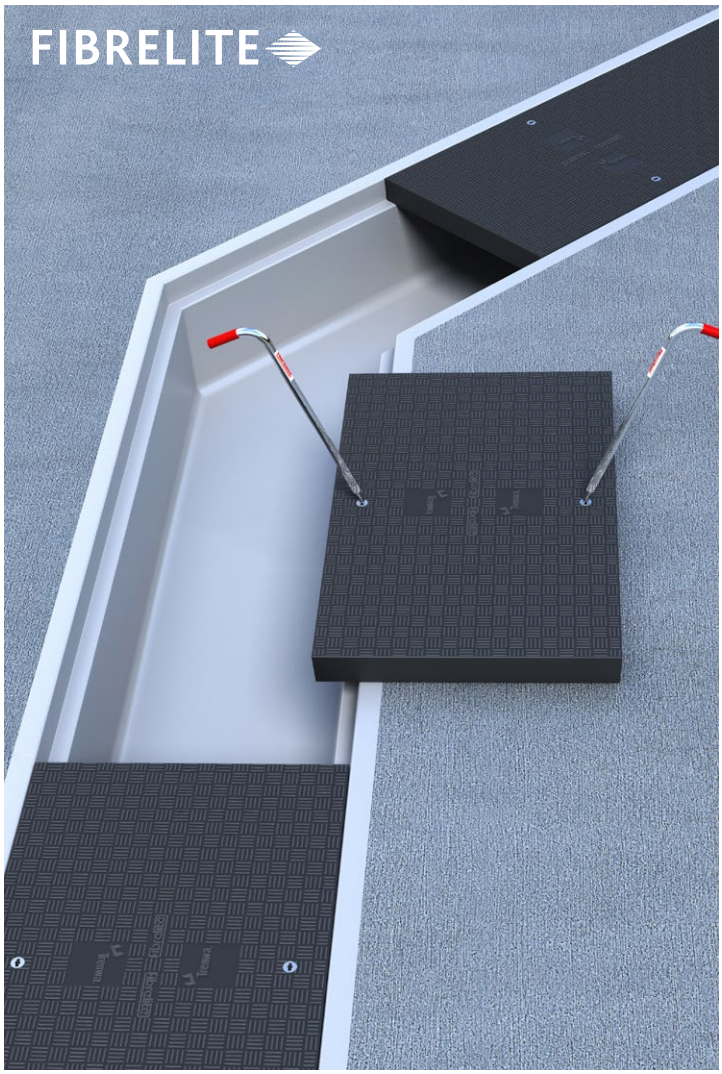
www.trenwa.com

Fibrelite Road Crossing Trench Systems

Trenwa and Fibrelite are bringing advanced FRP composite technology to the cable trench industry with an innovative molded fiberglass trench and lid system.

The new Fibrelite trenches are designed with a proprietary beam structure that can support heavy vehicle loading. The modular trench system includes 5 ft. long straight trench sections, 45° angles, a universal cross/tee section as well as end walls, and is designed to work with Trenwa's Fibrelite LHF H20 load rated lids.

Light enough to install manually and to significantly reduce freight costs, the Fibrelite trench system is also strong enough to withstand heavy vehicle traffic and harsh field conditions. The Fibrelite trench and lids have been load tested individually and as a system to meet AASHTO H20/HS20 load ratings.



Substations • Power Plants • Solar Farms • Wind Farms • Data Centers • Industrial • Indoor • Commercial

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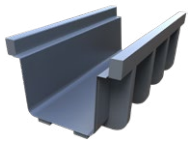
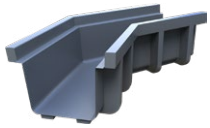
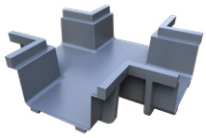
20" & 30" Wide Fibrelite Road Crossing Trenches

	TYPE	20" WIDE TRENCH			30" WIDE TRENCH		
		Part Number	Size	Weight	Part Number	Size	Weight
	5 ft Section	**BHG2016-60**	20" x 16"	111 lbs.	**BHG3016-60**	30" x 16"	123 lbs.
	45° Section	**BHG2016M45**	20" x 16"	142 lbs.	**BHG3016M45**	30" x 16"	158 lbs.
	Universal Cross / T Section	**BHG2016X20-60**	60" x 60"	144 lbs.	**BHG3016X30-60**	60" x 60"	142 lbs.
	End Wall	**WHG2016**	33" x 18"	6 lbs.	**WHG3016**	43" x 22"	8 lbs.

Engineering Specifications

- Lightweight – can be installed without cranes or lifting equipment
- Shiplapped ends for easy alignment
- Walls will not flex and do not need bracing during installation and backfilling
- Proof load tested to 40,000 lbs
- 5 ft standard length which can be field cut for shorter lengths
- Depth – 16" nominal inside
- Width – 20" to 30" nominal inside
- Lids - these bases utilize our Fibrelite LHF series lids: high performance, lightweight, ergonomic, and suitable for frequent traffic crossing
- Solid bottom bases – openings & drain holes can be field cut
- Easy to field cut: no cracking or chipping
- No metal reinforcing: ideal for high voltage applications
- Molded walls are consistent dimensionally
- Cable clips & Unistrut, etc. can be field mounted

Trenwa – Tough Enough to Trust

Family owned and operated since 1961 – precast concrete trench is our specialty. With four modern, strategically located plants, we are the country's leading producer of durable, precast trench systems in the broadest range of types and sizes.

Tel: (859) 781 0831
Fax: (859) 781 1085
Email: info@trenwa.com
Address: 1419 Alexandria Pike, Fort Thomas, KY 41075, USA

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Lightweight: can be installed without cranes or lifting equipment

Shiplapped ends for easy alignment

Walls will not flex and do not need bracing during installation and backfilling

Lids: these bases utilize our lightweight Fibrelite - LHF series lids

Anti-slip/skid properties far exceeding health and safety advisory limits

Solid bottom bases: limited openings and drain holes can be field cut

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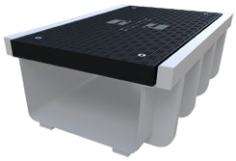
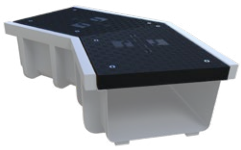
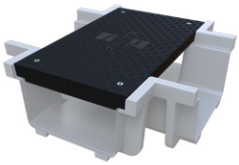
Fibrelite Lightweight Composite Lids for HS20 Road Crossing Trenches

	TYPE	COVERS FOR THE 20" WIDE TRENCH			COVERS FOR THE 30" WIDE TRENCH		
		Item Code*	Size	Weight	Item Code*	Size	Weight
	5 ft Section	**LHF26-60**	26" x 60"	80 lbs.	**LHF36-60**	36" x 60"	118 lbs.
	Left Hand 45° Section	**LHF26L22.5-43**	26" x 43"	73 lbs.	**LHF36L22.5-43 1/8**	36" x 44 1/8"	98 lbs.
	Right Hand 45° Section	**LHF26R22.5-45**	26" x 45"	73 lbs.	**LHF36R22.5-43 1/8**	36" x 44 1/8"	98 lbs.
	Universal Cross / T Section	**LHG26T26-61 3/4**	26" x 61 3/4"	110 lbs.	**LHG36T26-61 3/4**	36" x 61 3/4"	154 lbs.
	Lifting Handle	**FL7**	7" x 31"	The ergonomic FL7 lifting handles can be used with all Fibrelite trench covers.			

* Code relates to cover only and should be ordered with the relevant Fibrelite FRP trench (page 2)

Benefits

- Lightweight FRP composite construction
- Chip and crack resistant
- Safe, fast manual removal and replacement with the Fibrelite FL7 lifting handles
- Freeze / thaw cycle impervious
- Non-conductive
- Chemically inert
- Exceeds service requirements
- Anti-slip / anti-static surface
- Non-corrosive
- Custom colors available
- No scrap value
- Weather resistant
- Maintenance-free
- UV stable

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