COMPANY OVERVIEW

- Corporate office in Fort Thomas, KY
- The original trench manufacturer
- Operating since 1961 (55+ years)
- Projects in all 50 states & Canada
COMPANY OVERVIEW

Manufacturing Facilities

Dacono, CO
20,800 SF

Florence, IN
25,200 SF

Lakeland, FL
18,200 SF

Brookshire, TX
17,000 SF

Licensees in Alberta & Puerto Rico
BENEFITS OF A TRENCH SYSTEM

Accessibility

Flexibility

Protection
TYPES OF TRENCH SYSTEMS

Component Trench
- Pedestrian Traffic (200 PSF)

One-Piece
- Multi-Duty (Pedestrian, Tier 5, Tier 8 & Tier 15)
- Heavy Traffic (AASHTO HS20 – 32,000 lbs/axle)
- HS40 and Higher Load Ratings Available

XL Trench
- Pedestrian & Light Traffic
- Heavy Traffic (AASHTO HS20 – 32,000 lbs/axle)
- HS40 and Higher Load Ratings Available
COMPONENT TRENCH

- Pedestrian (200 PSF)
  - Widths: 20”, 30” or 40”
  - Depths: 15” or 24”
  - Lengths: 5’-0”

- Open Bottom
- Modular System
- Manual Installation
- Lids: FRC = Fiberglass Reinforced Concrete, PMC = Polymer Modified Concrete & Fibrelite® Composite

TOUGH ENOUGH TO TRUST
COMPONENT TRENCH INSTALLATION

Three Easy Steps

- Support Brackets
- Sidewalls
- Lids
COMPONENT TRENCH

Conduit & Cable Entrance
COMPONENT TRENCH

Tee Section

90° Turn
MULTI-DUTY TRENCH

- One Trench Base For Multiple Design Loads
- Meet ANSI / SCTE 77 2010 Specification
  - Light Duty – Pedestrian Traffic
  - Tier 5 – Light Vehicle Traffic (5,000 lb design load)
  - Tier 8 – Light Vehicle Traffic (8,000 lb design load)
  - Tier 15 – Non-Deliberate Heavy Vehicle Traffic (15,000 lb design load)
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<thead>
<tr>
<th>APPLICATION</th>
<th>LOADING REQUIREMENTS</th>
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<td>Light Duty Pedestrian Traffic Only</td>
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<td>TIER 5 Sidewalk applications with a safety factor for occasional non-deliberate vehicular traffic</td>
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<td>TIER 8 Sidewalk applications with a safety factor for non-deliberate vehicular traffic</td>
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<td>Vertical: Design Load Test Load Design Load Test Load</td>
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<tr>
<td>TIER 22 Driveway, parking lot, and off-roadway applications subject to occasional non-deliberate heavy vehicular traffic</td>
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<td>AASHTO H-20 Deliberate vehicular traffic applications.</td>
<td>Certified precast concrete, cast iron, or AASHTO-recognized materials.</td>
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- American National Standards Institute
- Society Of Cable Telecommunications Engineers
- Promotes Uniformity Of Products Designed For The Utility Industry
MULTI-DUTY TRENCH - BASES

- Variety of Sizes
  - Widths: 10”, 20”, 24”, 30”, 40” or 48”
  - Depths: 12”, 15” or 24”
  - Lengths: 10’-0” standard
- Open Bottom
- Solid Bottom – Available Upon Request
- Installed Above or Below Grade
FRC (Fiber Reinforced Concrete)
- 8,000 psi concrete
- Steel and structural fiber reinforced
- Most economical

PMC (Polymer Modified Concrete)
- 10,000 psi concrete
- Steel and structural fiber reinforced
- More durable and chip resistant
- Resist water and chloride penetration
MULTI-DUTY - PEDESTRIAN LID OPTIONS

Steel
- Galvanized checker plate
- Lightweight
- Tamper resistant option

Aluminum
- Checker plate
- Lightweight
- Tamper resistant option

Bar grating
- Ventilation
MULTI-DUTY - PEDESTRIAN LID OPTIONS

Tamper Resistant Trench Covers

Aluminum or Galvanized Steel Lids

SS TRUSS HEAD SPANNER BOLT (1/4" DIA X 1"LONG) (4 PER LID)

UNISTRUT P3365

UNISTRUT W/ SPRING NUT
MULTI-DUTY - PEDESTRIAN LID OPTIONS

Fibrelite®

- Lightweight
- Non-Conductive
- Durable
- Composite construction
- Chemical resistant
- UV stable
MULTI-DUTY – LIGHT TRAFFIC LID OPTIONS

Concrete
- TIER 8 – 8,000 lb design load
- 5,000 psi concrete - steel reinforced
- Most economical

Steel and Aluminum
- TIER 5 - 5,000 lb design load

Bar grating
- TIER 5 - 5,000 lb design load
MULTI-DUTY – LIGHT TRAFFIC LID OPTIONS

Fibrelite®
- Tier 15 – 15,000 lb design load
- Lightweight
- Non-Conductive
- Durable
- Composite construction
- Chemical resistant
- UV stable
MULTI-DUTY TRENCH

- Easy To Install
  - Backhoe, Bobcat or Track Excavator
  - 4 person crew installs 100-150 ft. per day
- Side wall bracing not required during backfilling
MULTI-DUTY TRENCH

1. Prepare Base
2. Compact Base
3. Place Trench
4. Level & Align Trench
MULTI-DUTY TRENCH

Above Grade

Below Grade
MULTI-DUTY TRENCH

Side Wall Openings For Equipment Access
MULTI-DUTY TRENCH

Open Bottom Design For Conduit & Cable Access
MULTI-DUTY TRENCH

Tee Intersections

- Removable galvanized steel lintel for lid support.
MULTI-DUTY TRENCH

Tee Intersection Create 90º Turns & Future Expansion
MULTI-DUTY TRENCH

Elevation Changes

Fabricated to Match Field Conditions
ROAD CROSSING TRENCH

- AASHTO HS20 Heavy Traffic (32,000 lbs/axle)
- HS40 Available (64,000 lbs / axle)
- Variety of Sizes
  - Widths = 10”, 20”, 24”, 30”, 40”, 48”, & 60”
  - Depths = 12”, 16”, 24”, & 36”
  - Lengths = 10’ – 0” standard
- Lids – Concrete, Galvanized Steel, Fibrelite® Composite
- Lids Are Recessed To Protect The Edges
Concrete Lids

Pre-Galvanized Impact Channels
for Improved Durability
ROAD CROSSING TRENCH

Steel Lids for Manual Installation & Accessibility
ROAD CROSSING TRENCH

Fibrelite® Composite Lid
Lightweight - High Strength
Non-Conductive
ROAD CROSSING TRENCH

Horizontal Miters

Tee Openings For Equipment Access
XL TRENCH

- 8’ – 0” or 10’ – 0” Standard Lengths
- Maximum – 96” Wide
- Maximum – 80” Deep
XL TRENCH

Electrical Application
Mechanical Application
XL TRENCH

96" Wide

80" Deep
ACCESSORIES

Cable Management – Support & Protection
ACCESSORIES

Ventilation To Dissipate Heat

Alternating Vent Lids

Continuous Vent Lids
ACCESSORIES

Trench Dividers

Free-Standing - 12” & 20” High
ACCESSORIES

Aluminum Cable Risers

Transition Cables From Trench To Control Building
ACCESSORIES

Cross-Over
ACCESSORIES

Embedded Unistrut®
To Support
Conduit & Cable Tray
Tie-Plate System To Connect Trench Bases

Welded  Bolted  Expansion
ACCESSORIES

Cross Drain System
Allows Water To Flow Across The Trench

Multi-Duty Trench
Road Crossing Trench
ACCESSORIES

Conduit Terminators
ACCESSORIES

Corner Guards

Protect Cables At Turns
ACCESSORIES

Bright Yellow HDPE Guard Post
ACCESSORIES

Innerduct Hangers
Support Fiber Optic Cables

Ground Cable Clips
• Catalog & Brochures
• Standard Drawings
• Photos & Videos
• Order Status
• Project Drawings
Order Status & Project Drawings

Order Status
Order status is real-time, pulled instantaneously from our production and shipping database.

Trenwa Order Number:

Project Drawings
To view or retrieve the latest drawings for your project just enter your 7-character Trenwa Order Number (ex. 15 1234) below.

Trenwa Order Number:

PROJECT DRAWINGS

Drawings are updated as they are revised by our CAD department. Drawings are in .pdf and/or .dwg formats.

Instructions: Click on the pdf files to view in your browser with Adobe Acrobat plugin. For other files including AutoCAD files you will need to right click and save the linked file or target file to your hard drive and open it from there.

Submit Query
## ORDER STATUS

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### Summary

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### Details

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END
PROJECT DRAWING

Scan QR Code To Retrieve Drawings In The Field

Index of /17/17-0775

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Trenwa

TOUGH ENOUGH TO TRUST