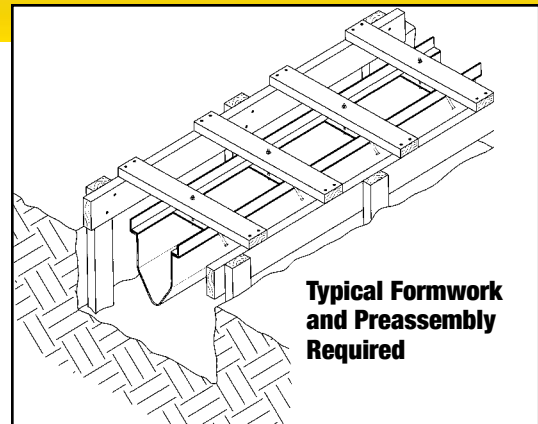
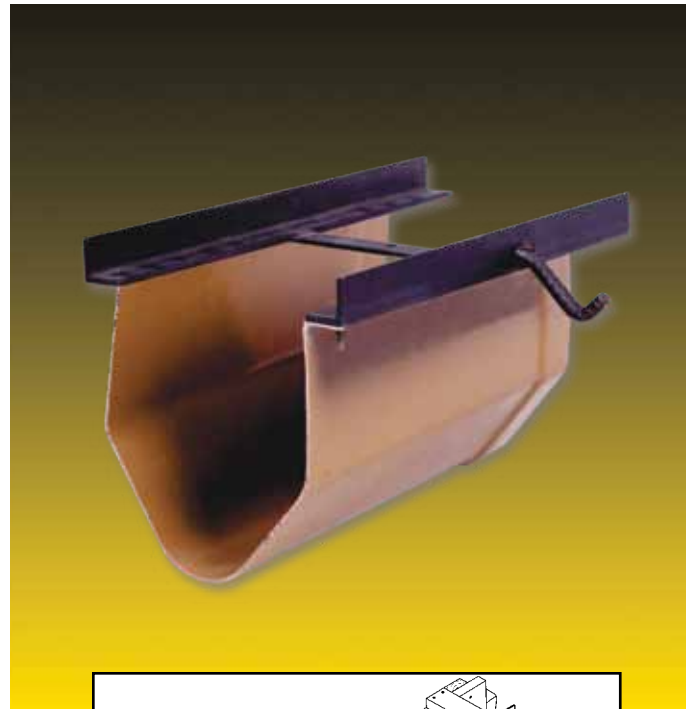
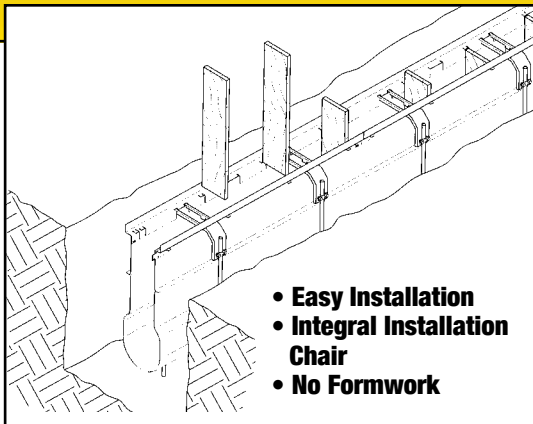


COMPARE

POLYCAST® 3000

VS.

**Other Fiberglass
Trench Drain
Systems**



POLYCAST® 3000 is the first and only pultruded trench drain system on the market today. The pultrusion process allows the channel to maintain a consistently higher glass content for a strong, durable channel.

The unique bulb-shaped design of POLYCAST® 3000, combined with the continuous 1% slope, provides the largest flow capacity of any similar presloped trench drain on the market today.

POLYCAST® 3000 offers:

- **High Performance** - flow capacity of 3000 gpm or higher
- **Fast Installation** - installation rates in excess of 100 linear ft/hr and more
- **Superior Manufacturing Process** - ISO-9001:2000 pultrusion manufacturing plant
- **Unique Channel and Frame Design**

Should you use POLYCAST® 3000 or Other Fiberglass Trench Drain Systems for your next project?

Features of both POLYCAST® 3000 and other fiberglass trench drain systems are compared on a point-for-point basis on the back of this page. See for yourself why POLYCAST® 3000 should be the choice for your next trench drain project.

COMPARE

POLYCAST® 3000 Pultruded FRP Trench Drain System

VS. Other Fiberglass Trench Drain Systems

FLOW CAPACITY	<p>More than 3000 GPM — 6.73 cfs</p> <p>Greater flow capacity allows POLYCAST® 3000 to evacuate greater amounts of water more rapidly.</p>	<p>Less than 2600 GPM — 5.79 cfs</p> <p>Low flow capacity reduces drain performance.</p>
SIDEWALL DEFLECTION DURING CONCRETE PLACEMENT	<p>Integral reinforcing ribs combined with bulkheads provide added support to POLYCAST® 3000 allowing the channel to resist the tendency to deflect and warp during concrete placement.</p>	<p>Flexible channel sidewalls require excessive formwork to limit deflection and warpage during concrete placement.</p>
CHANNEL DESIGN	<p>The POLYCAST® 3000 unique bulb-shaped design with vertical sidewalls allows for a stronger channel with a greater flow capacity.</p> <p>120' continuous slope - longer runs allow for more efficient fluid flow.</p>	<p>Weaker sidewall can buckle during concrete placement and restrict flow capacity.</p> <p>100' maximum continuous slope - shorter runs with more frequent interruptions are less efficient.</p>
THERMAL EXPANSION STRESSES	<p>Coefficient of Thermal Expansion (CTE) POLYCAST® 3000: 4.5×10^{-6} in/in/°F Concrete: 6×10^{-6} in/in/°F</p> <p>POLYCAST® 3000 CTE is similar to concrete and thus is not as susceptible to differential expansion and movement.</p>	<p>Other fiberglass drain system's CTE is very different from concrete.</p> <p>Differences in expansion and contraction result in thermal stress fractures and buckling of sidewalls.</p>
CHANNEL FRAME DESIGN	<p>Specially engineered frames are completely embedded in concrete. Loads are transferred directly into the surrounding concrete for uniform load distribution.</p> <p>Vent slots in the frame prevent air entrapment under the grating ledge.</p>	<p>Frames are not completely encased in concrete. Channel subjected to concentrated traffic loading forces.</p> <p>Trapped air and sand pockets can result in premature frame and channel failure.</p>
MANUFACTURING PROCESS	<p>Pultrusion process allows channel to be produced with more glass - 56% glass by weight.</p> <p>UV inhibiting surface veil - pultruded with surfacing veil for additional protection from UV damage.</p> <p>Manufactured in ISO-9001:2000 certified pultrusion plant - consistent parts every time.</p>	<p>Molding process limits the amount of fiberglass in the channel. Lower glass content results in weaker channel walls. Glass weight varies.</p> <p>Susceptible to UV breakdown.</p> <p>Inconsistent quality.</p>
INSTALLATION	<p>Install up to 100 linear ft/hr. - quicker installation saves time and money.</p> <p>Fewer parts - frame design includes installation chair, no preassembly needed.</p> <p>Integral steel installation chair allows easy channel placement, grade adjustment and locks POLYCAST® 3000 into the concrete. Standard 1" x 6" planks are used for stiffening diaphragms.</p>	<p>Slow and complex installation adds time and cost to the project.</p> <p>Preassembly required with many parts.</p> <p>Excessive formwork and elaborate contractor fabricated channel stiffening diaphragms required.</p>

THE CHOICE! POLYCAST® 3000 PRESLOPED TRENCH DRAIN SYSTEM!



POLYCAST®
 3621 Industrial Park Drive
 Lenoir City, TN 37771
 Phone: 800-346-3061 or 865-986-9726
 Fax: 865-986-0585
 Web: <http://www.polycastdrain.com>
 e-mail: hpsliterature@hps.hubbell.com

HUBBELL®
Power Systems

www.hubbelpowersystems.com
hpsliterature@hps.hubbell.com