

PolyDrain® PDX®

VERSATILE MODULAR TRENCH SYSTEM



POLYDRAIN PDX



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PolyDrain® has become synonymous with trench drain design. Architects and Engineers recognizing the benefits of pre-engineered polymer concrete trench drains have specified ABT's PolyDrain® line for over 30 years. Building on this legacy, ABT, Inc. now manufactures PolyDrain® PDX®; a polymer concrete trench drain system available in varying widths and slopes for an even wider variety of applications and uses: food and beverage processing plants, industrial manufacturing facilities, waste water treatment plants, and chemical processing plants.

PolyDrain® PDX® polymer concrete trench drain assures the precision, accuracy and design flexibility required to satisfy practically any load: hydraulic, chemical resistance or physical. Polydrain eliminates expensive labor and material costs associated with hand-forming.

Channel Width Options

| Interior Width in Inches | Width in Millimeters |
|--------------------------|----------------------|
| 6" | 152mm |
| 8" | 203mm |
| 10" | 260mm |
| 12" | 305mm |

| Interior Width in Inches | Width in Millimeters |
|--------------------------|----------------------|
| 15" | 381mm |
| 18" | 457mm |
| 24" | 609mm |

Ease of Installation -

Installation does not require heavy equipment, expensive highly-skilled labor, keyways, or water stops; it allows for elevation adjustments prior to the final concrete placement. Potentially saving 33% or more of total installation and material costs can be replaced compared to conventional hand forming methods.

Eliminates Sub-Slab Barrier Penetration -

Utilizing ABT's no-float U-legs and horizontal suspension, PDX eliminates the need of penetrating a sub-slab barrier for support to position the trench drain during installation.

Flammability and NFPA Codes -

Trench drains are often the collection point for flammable liquids and heavier than air vapor that can contribute to the spread of fire. Selecting a trench drain with the proper material properties is critical to the life cycle of the product and the life safety of a buildings inhabitants.

| Channel Slope | Run Length Channel / Meters | Run Length Feet |
|---------------|-----------------------------|-----------------|
| 0.5% | 80 | 262.5 |
| 1.0% | 40 | 131.2 |
| 1.5% | 27 | 87.6 |
| 2.0% | 20 | 65.6 |
| 2.5% | 16 | 52.5 |
| 4.0% | 10 | 32.8 |





Utility Trench -

Select the width and depth sufficient to contain the application's wire or pipes for each run. Select materials and the style of cover desired.

Containment or Storage Trench -

The wide range of sizes, depths and chemical resistance characteristics make PolyDrain PDX is an ideal product for containment and storage applications.

Grate Options -

A wide range of grate options exist for pedestrian to airport applications. Select grates with the right strength, style, and corrosion resistance for the application.

Frame Options -

Steel, stainless steel, painted steel, galvanized steel, or FRP styles are available. Select the best rail material for your application. All rails are independently anchored and supported by the surrounding concrete so that the encapsulation concrete receives the loads, not the channel walls.

Variable Grate

Retention Systems -

For applications with substantial longitudinal loads, bar locks are available and recommended. Toggle locks can be used when longitudinal loads are minimal.

No grate lock is an option where horizontal forces and grate retention are not a consideration. ABT can assist you in making a suitable selection.

Catch Basins -

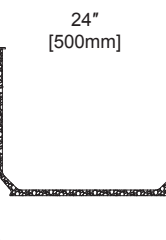
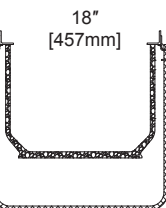
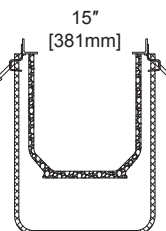
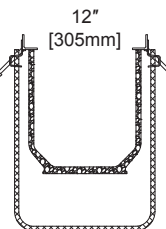
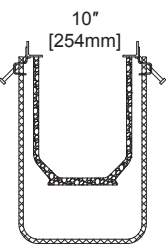
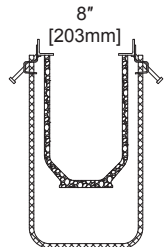
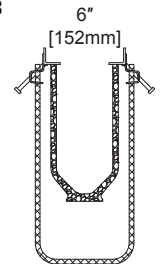
Adaptable catch basins are available to accommodate various outlet piping requirements.

Installation Eliminates Sub-Slab

Barrier Penetration -

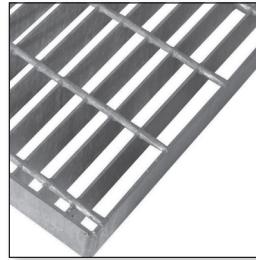
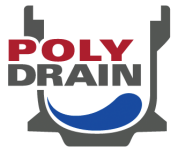
When the system is installed by the suspension method using no-float legs. It does not require heavy equipment, expensive highly skilled labor, keyways, or water stops so additional savings can be realised. Utilizing the suspension method eliminates the need of penetrating a sub-slab barrier to support or position the trench drain during installation.

Contact ABT, Inc. for special requirements

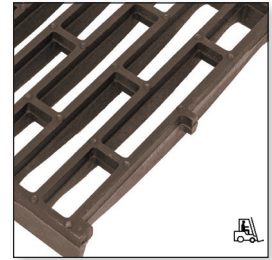


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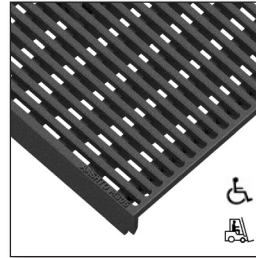
ABT designs and manufactures some of the most extensive, reliable, and versatile lines of channel drains, grates, and water management solutions in the industry. If you're an engineer or designer and need performance-based specifications and details for your project, we can help. Visit www.abtdrains.com for details on all our products.



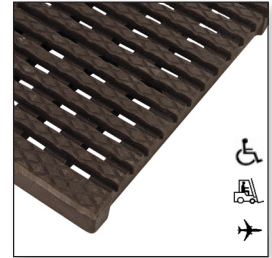
#208
Banded Bar Grating



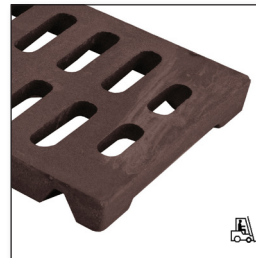
#502
High Intake Slotted



#504
8" Slotted ADA



#504
12" Slotted ADA



#603
Standard Slotted



#606
Slotted Heel Proof



#501/601
Solid Cover

Several PolyDrain grates styles are available in a wide range of materials. Visit www.abtdrains.com to see more.

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