

# Perma•Duct Utility Trench Systems

Offering dual containment, sub-surface utility passageways while providing surface accessibility.



Perma Duct systems are used for industrial sites, distribution centers, travel plazas, convention centers, sport stadiums, manufacturing facilities or any application where utility systems need to be safely contained but easily accessible for maintenance or repairs.

## Features and Benefits

- Modular channel sections made of high density polyethylene sections for durable, long life construction
- Depth and width variation support job site application needs
- Mechanical interlocking ends for easy installation
- Structural slab vertical rebar supports every 20" for added reinforcement
- Optional covers are available with load ratings from pedestrian to aircraft
- Optional recessed top allows for 1/8" flooring to customize your space
- Anodized aluminum cover can be changed to meet customer requirements
- Flexible system supports rebar clip or suspension installation.



- Reduce installation time by attaching utility struts prior to encasement.
- Zurn Engineers are available for customized design consultations

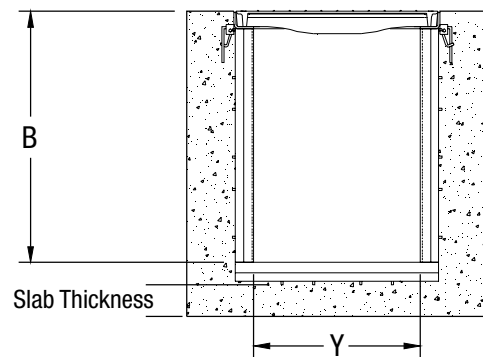
# Perma•Duct Utility Trench Systems

## Engineering Specification

Utility duct/containment trench shall be Flo-Thru model Z874-Y-U. Channels shall be X" long and have a Y" wide throat. Modular channel sections shall be made of 0% water absorbent high density polyethylene (HDPE), have interlocking ends, and flat or optional V bottom with Manning's coefficient of .009. Channels shall be provided with no slope (neutral) and shall be available with inverts ranging from 3" to 30". Channels shall have clips attached to the frame to accommodate vertical rebar for positioning and anchoring purposes. Choice of DIN EN1433 Class A solid covers shall be available in steel and aluminum with optional mechanical lockdown devices. A heavy-duty steel or lightweight aluminum frame shall be provided to distribute weight between the grates and the HDPE channels. Solid end caps, end outlets, and bottom outlets with no-hub connections. Catch basins available to provide outfall/containment from the channels.



## Light to Special Duty Systems



## Light/Medium Duty Systems

GRATE	DIMENSIONS IN INCHES [MM]		
	Y THROAT WIDTH	B MAX. DEPTH	X LENGTH
Z874-6-U	6 [152]	22 [559]	96 [2438]
Z874-8-U	8 [203]	22 [559]	96 [2438]
Z874-10-U	10 [254]	22 [559]	96 [2438]
Z874-12-U	12 [305]	30 [762]	40 [1016]
Z874-14-U	14 [356]	30 [762]	40 [1016]
Z874-16-U	16 [406]	30 [762]	40 [1016]
Z874-18-U	18 [457]	30 [762]	40 [1016]
Z874-20-U	20 [508]	30 [762]	40 [1016]
Z874-22-U	22 [559]	30 [762]	40 [1016]
Z874-24-U	24 [610]	30 [762]	40 [1016]
Z874-26-U	26 [660]	30 [762]	40 [1016]
Z874-28-U	28 [711]	30 [762]	40 [1016]

## Heavy/Special Duty Systems

GRATE	DIMENSIONS IN INCHES [MM]		
	Y THROAT WIDTH	B MAX. DEPTH	X LENGTH
Z874-9-U	9.25 [235]	22 [559]	96 [2438]
Z874-12-U	12 [305]	30 [762]	80 [2032]
Z874-18-U	18 [457]	30 [762]	80 [2032]
Z874-21-U	21 [533]	30 [762]	80 [2032]

## Options

- Channel Options: Non-sloping or sloping; Flat or V Bottom
- Frame Options: Anodized aluminum, steel, stainless, or fiberglass
- Cover Options: Anodized aluminum, steel, stainless, ductile, or checker plate

Call for special applications and sizes.

ZURN INDUSTRIES, LLC Linear Drainage Operation  
1801 Pittsburgh Avenue, Erie, PA 16502, 855-663-9876

In Canada: ZURN INDUSTRIES LIMITED 7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, 905-405-8272

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1.855.ONE.ZURN | ZURN.COM