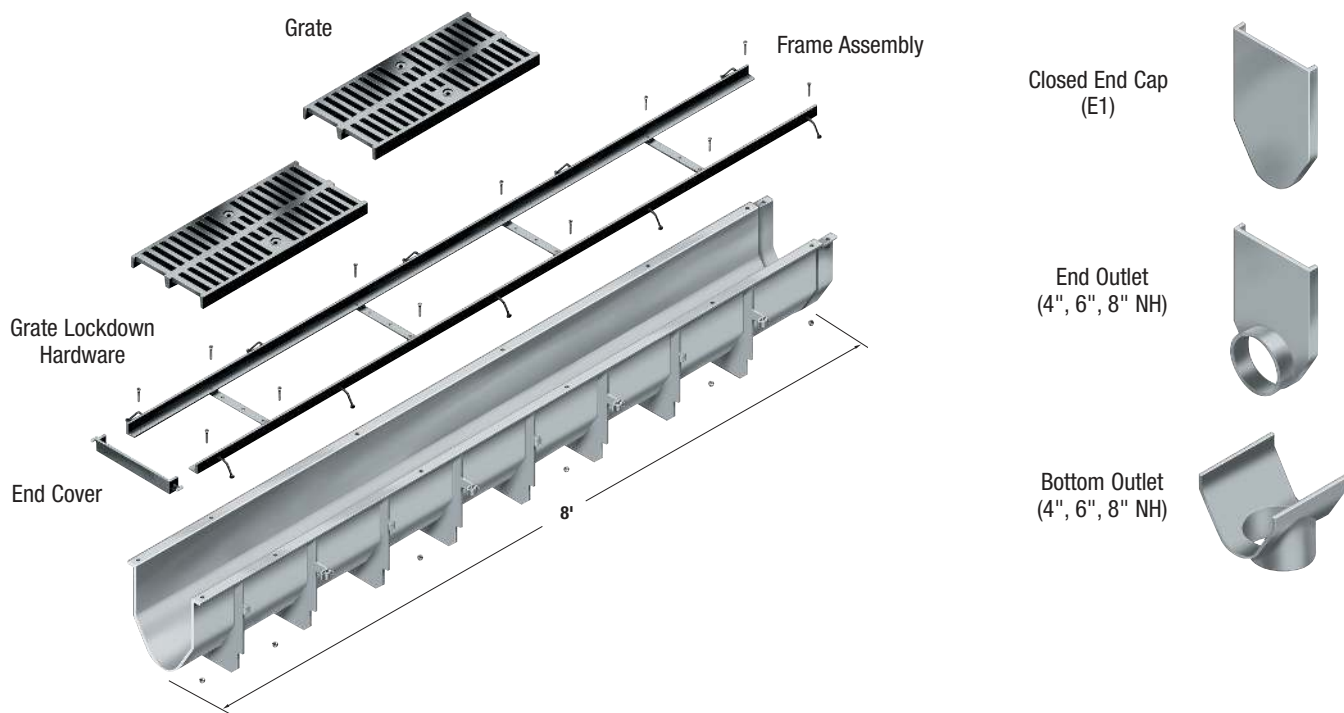


# Z882 Perma-Trench HDPE 12" Drain System

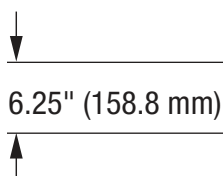
6



**Z882 Dimensional Data**

Trench Number	Shallow Invert		Deep Invert		Max. Flow Rate			Approx. Weight (Less Grate)	
	Inches	mm	Inches	mm	GPM	LPS	CFS	Lbs.	Kg
8201	6.25	159	7.25	184	557	35	1.241	68	30.8
8202	7.25	184	8.25	210	774	49	1.725	68	30.8
8203	8.25	210	9.25	235	999	63	2.226	70	31.8
8203N	9.25	235	9.25	235	—	—	—	71	32.2
8204	9.25	235	10.25	260	1232	78	2.745	72	32.7
8205	10.25	260	11.25	286	1468	93	3.271	75	34.0
8206	11.25	286	12.25	311	1709	108	3.808	77	34.9
8206N	12.25	311	12.25	311	—	—	—	78	35.4
8207	12.25	311	13.25	337	1951	123	4.347	79	35.8
8208	13.25	337	14.25	362	2196	139	4.893	80	36.3
8209	14.25	362	15.25	387	2443	155	5.443	83	37.7
8209N	15.25	387	15.25	387	—	—	—	84	38.1
8210	15.25	387	16.25	413	2691	170	5.996	85	38.6
8211	16.25	413	17.25	438	2940	186	6.551	87	39.5
8212	17.25	438	18.25	464	3189	202	7.106	89	40.4

**Z882 System Profile**



8201	8202	8203	8203N	8204	8205	8206	8206N

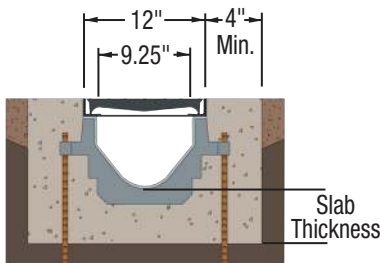
## Z882 Applications

Highways	Chemical Plants
Airports	Food Processing
Airplane Hangars	Industrial Plants
Parking Lots	Pharmaceuticals
Gas Stations	Port Facilities
Industrial Parks	Water Parks

## Features and Benefits

- **Eight-Foot Modular Sections with 24" Grates**
- **1.04% Built-In Slope** – Handles greater flows, uniform slope.
- **Radiused Bottom** – Better flow rate, less solids build-up.
- **Smooth High Density Polyethylene Structural Composite Interior** – 0% water absorption.
- **Durable and Lightweight** – Strong corrosion-resistant material.
- **Extra Long Runs** – Sidewall extensions allow pre-slope runs longer than 120 feet.
- **Variety of Gratings**
- **Grate Options** – Available in H-20, FAA, ADA. See page 24.

## Installation Specification

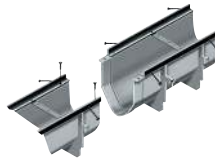


9-1/4" Throat / 12" Overall Width

## Z882 System Highlights



Integral  
Rebar Clips



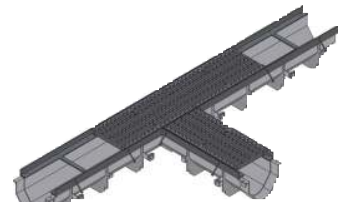
Mechanical Overlap  
Connection



Frame Assembly  
with Anchor Studs



90°  
Fabrication



Tee  
Fabrication

**Engineering Specification** Channels shall be 8' long, 12" wide, and have a 9-1/4" wide throat. Modular channel sections shall be made of High Density Polyethylene (HDPE), have interlocking ends, and radiused bottom. Channel shall be provided with no slope (neutral) or with a 1.04% built-in slope. Channels shall be available with inverts ranging from 6.25" to 18.25". Channels shall have clips molded into the sides of the channel to accommodate vertical rebar for positioning and anchoring purposes. Choice of class A, B, C, D, E, and F grates shall be available with H-20 and/or FAA load ratings and/or ADA compliance with mechanical lockdown devices. A heavy-duty steel frame shall be provided to distribute weight between the grates and the HDPE channel. End caps and catch basins shall be available to complement the channels and grates. End outlets, bottom outlets, and side outlets shall be available in 4", 6", and 8" diameters. Trench drain shall be Flo-Thru model Z882.

