

Z-886 PERMA-TRENCH® DRAIN SYSTEM

SYSTEM FEATURES & ADVANTAGES

The Zurn Z-886 6" [152 mm] wide pre-sloped structural composite trench drainage system features a modular concept for ease of handling and installation. This system utilizes the latest in composite technology to provide excellent hydraulics, superior chemical resistance, and a durable non-corrosive top surface.

ENGINEERING SPECIFICATION

Zurn Z-886 6" [152 mm] wide pre-sloped trench drainage system. High density polyethylene structural composite drain channel with .75% bottom slope. All sections are 80-inch modular lengths with integral top frame, interlocking ends and radiused bottom. Combination tie-down/leveling devices at 20-inch intervals. Furnished with heavy-duty, Dura-Coated cast iron grate unless otherwise specified.

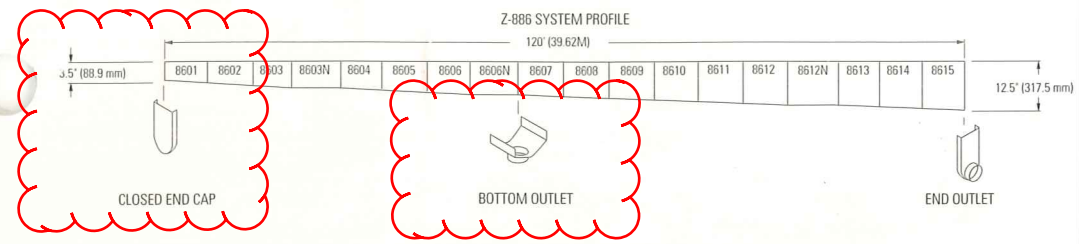
Trench drain is shown with -HD heavy-duty frame option for dynamic loads.

- 80" MODULAR SECTIONS – allows quick and easy assembly, straighter installation.
- .75% BUILT-IN SLOPE – able to handle greater flows, uniform slope.
- RADIUSSED BOTTOM – provides for better flow rate, less solids build-up.
- SMOOTH HIGH DENSITY POLYETHYLENE STRUCTURAL COMPOSITE INTERIOR – 0% water absorption.
- DURABLE AND LIGHTWEIGHT – strong corrosion-resistant material.
- QUICK CONNECT OVERLAP FEATURE – rigid mechanical interlock keeps trench systems straight and liquid tight.
- VARIETY OF GRATINGS – able to meet specific job requirements.
- TIE-DOWN/LEVELING DEVICE EVERY 20" – integral rebar clips make it easier to place and level to desired elevation.
- VERSATILITY OF OUTLET LOCATIONS – easier to install, flexible outlet location.
- INTEGRAL FRAME
- REMOVABLE LOCKDOWN BARS – easy access for cleaning.
- REMOVABLE STABILIZER BARS
- HEAVY-DUTY FRAME OPTION FOR DYNAMIC LOADS

Channel	Overall Depth		Max. Flow Rate		Approx. Wt.			
	C Min. In.	D Max. mm	In.	mm	GPM	L/M		
8601	3.5	88.9	4.1	104.1	67	254	14	6.2
8602	4.1	104.1	4.7	119.4	90	341	15	6.8
8603	4.7	119.4	5.3	134.6	115	435	16	7.4
8603N	5.3	134.6	5.3	134.6	-	-	17	7.7
8604	5.3	134.6	5.9	149.9	140	530	18	8.3
8605	5.9	149.9	6.5	165.1	165	625	20	8.9
8606	6.5	165.1	7.1	180.3	191	723	21	9.5
8606N	7.1	180.3	7.1	180.3	-	-	22	10.0
8607	7.1	180.3	7.7	195.6	216	818	23	10.6
8608	7.7	195.6	8.3	210.8	242	916	25	11.2
8609	8.3	210.8	8.9	226.1	268	1,014	26	11.8
8610	8.9	226.1	9.5	241.3	294	1,113	27	12.4
8611	9.5	241.3	10.1	256.5	320	1,211	29	13.0
8612	10.1	256.5	10.7	271.8	353	1,336	30	13.6
8612N	10.7	271.8	10.7	271.8	-	-	30	13.6
8613	10.7	271.8	11.3	287.0	372	1,408	31	14.2
8614	11.3	287.0	11.9	302.3	398	1,506	33	14.8
8615	11.9	302.3	12.5	317.5	425	1,609	34	15.4

Estimated flow rates for each trench system have been provided as a guide for proper system selection. Actual field conditions such as topographical characteristics, outlet restrictions, etc., may cause flow rates to differ from the above rates.

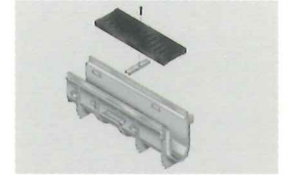
system profile



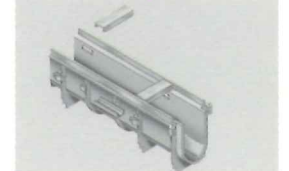
Drain should include the removable Bottom Dome Strainer

SYSTEM HIGHLIGHTS

Grate Lockdown Bar



Installation Spacer Bar



Integral Rebar Clips



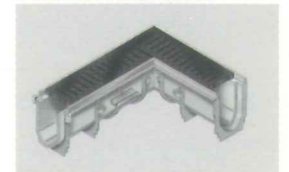
Mechanical Overlap Connection



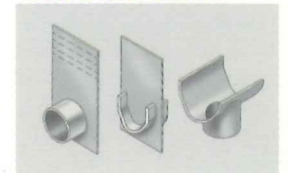
Optional Steel Top Frame



Ease of Fabrication

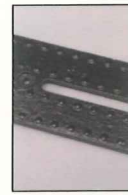


Various Accessories



TECHNICAL DATA

Class A Grates



Z-806-CSG, Z-886-CSG
 Material: Cast Iron Center Slot
 Weight: 6.6 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 12.41 sq. in. per ft.
 DIN Rating: Class A
 ANSI Rating: Medium Duty
 Application: Pedestrian Traffic



Z-806-PG, Z-886-PG
 Material: Galv. Stl. Perforated Grate
 Weight: 1.51 # per ft.
 Dimensions: 5.375" w x 40" l x .75" h
 Open Area: 7.17 sq. in. per ft.
 DIN Rating: Class A
 ANSI Rating: Light Duty
 Application: Heel Proof
 Pedestrian Traffic



Z-806-PS, Z-886-PS, Z-890-PS
 Material: S.S. Perforated Grate - 304
 Weight: 1.48 # per ft.
 Dimensions: 5.375" w x 40" l x .75" h
 Open Area: 7.17 sq. in. per ft.
 DIN Rating: Class A
 ANSI Rating: Light Duty
 Application: Heel Proof
 Food and Beverage Process



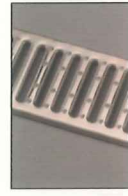
Class B Grates



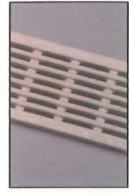
Z-806-FG, Z-886-FG
 Material: Galv. Steel Slotted Grate
 Weight: 1.76 # per ft.
 Dimensions: 5.375" w x 40" l x .75" h
 Open Area: 13.68 sq. in. per ft.
 DIN Rating: Class B
 ANSI Rating: Light Duty
 Application: Pedestrian Traffic



Z-806-GG, Z-886-GG, Z-890-GG
 Material: Fiberglass Grate
 Weight: 1.76 # per ft.
 Dimensions: 5.375" w x 40" l x .75" h
 Open Area: 13.68 sq. in. per ft.
 DIN Rating: Class B
 ANSI Rating: Medium Duty
 Application: Chemical Applications
 and Light Vehicle Traffic



Z-806-FS, Z-886-FS, Z-890-FS
 Material: S. S. Slotted Grate - 304
 Weight: 1.59 # per ft.
 Dimensions: 5.375" w x 40" l x .75" h
 Open Area: 13.68 sq. in. per ft.
 DIN Rating: Class B
 ANSI Rating: Light Duty
 Application: Light Vehicle, Traffic, Food
 and Beverage Process



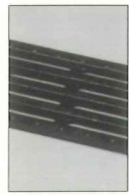
Z-806-HPP, Z-886-HPP
 Material: High Density Polyethylene
 Weight: 2.42 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 16.80 sq. in. per ft.
 DIN Rating: Class B
 ANSI Rating: Light Duty
 Application: Pedestrian,
 Chemical and
 Swimming Pool



Class C Grates



Z-806-CC, Z-886-CC
 Material: Cast Iron Solid Grate
 Weight: 7.98 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: N/A
 DIN Rating: Class C
 ANSI Rating: Heavy Duty
 Application: Conduit Covering



Z-806-LC, Z-886-LC
 Material: Cast Iron Longitudinal Grate
 Weight: 7.08 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 20.94 sq. in. per ft.
 DIN Rating: Class C
 ANSI Rating: Heavy Duty
 Application: Horizontal Openings For
 Maximum Flow Capacity



Z-806-RFG, Z-886-RFG, Z-890-RFG
 Material: Reinf. Galv. Stl. Slot. Grate
 Weight: 3.37 # per ft.
 Dimensions: 5.375" w x 40" l x .75" h
 Open Area: 13.68 sq. in. per ft.
 DIN Rating: Class C
 ANSI Rating: Heavy Duty
 Application: Truck Traffic and
 Pneumatic Tire



Z-806-RFS, Z-886-RFS, Z-890-RFS
 Material: Reinf. S.S. Slot. Grate-304
 Weight: 3.08 # per ft.
 Dimensions: 5.375" w x 40" l x .75" h
 Open Area: 13.68 sq. in. per ft.
 DIN Rating: Class C
 ANSI Rating: Heavy Duty
 Application: Chemical Applications and
 Food Processing



Z-806-RPB, Z-886-RPB
 Material: Reinforced Perforated Brass
 Weight: 3.39 # per ft.
 Dimensions: 5.375" w x 40" l x .75" h
 Open Area: 7.17 sq. in. per ft.
 DIN Rating: Class C
 ANSI Rating: Heavy Duty
 Application: High Profile



Z-806-RPG, Z-886-RPG
 Material: Reinf. Galv. Stl. Perf. Grate
 Weight: 3.15 # per ft.
 Dimensions: 5.375" w x 40" l x .75" h
 Open Area: 7.17 sq. in. per ft.
 DIN Rating: Class C
 ANSI Rating: Heavy Duty
 Application: Heel Proof
 Pneumatic



TECHNICAL DATA



Z-806-CG, Z-886-CG
 Material: Cast Iron Slotted Grate
 Weight: 6.51 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 18.57 sq. in. per ft.
 DIN Rating: Class D
 ANSI Rating: Heavy Duty
 Application: Truck Traffic and
 Light Forklift Traffic



Z-806-GC, Z-886-GC
 Material: Galv. C. I. Slotted Grate
 Weight: 7.37 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 18.57 sq. in. per ft.
 DIN Rating: Class D
 ANSI Rating: Heavy Duty
 Application: Truck Traffic and
 Light Forklift Traffic



Z-806-RPS, Z-886-RPS, Z-890-RPS
 Matl: Reinf. S.S. Perf. Grate-304
 Weight: 2.95 # per ft.
 Dimensions: 5.375" w x 40" l x .75" h
 Open Area: 7.17 sq. in. per ft.
 DIN Rating: Class D
 ANSI Rating: Heavy Duty
 Application: Heel Proof, Pedestrian
 and Heavy-Duty Traffic



Z-806-BG, Z-886-BG
 Material: Galvanized Bar Grate
 Weight: 2.68 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 44.05 sq. in. per ft.
 DIN Rating: Class E
 ANSI Rating: Special Duty
 Application: Dynamic Loads



Z-806-DC, Z-886-DC
 Material: Ductile Iron Solid Cover
 Weight: 7.98 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: N/A
 DIN Rating: Class E
 ANSI Rating: Special Duty
 Application: Heavy Loads
 Conduit Covering



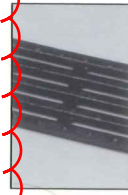
Z-806-DG, Z-886-DG
 Material: Ductile Iron Slotted Grate
 Weight: 7.37 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 18.57 sq. in. per ft.
 DIN Rating: Class E
 ANSI Rating: Special Duty
 Application: Dynamic Loads and
 Forklift Traffic



Z-806-GD, Z-886-GD
 Material: Galv. Ductile Slotted Grate
 Weight: 7.37 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 18.57 sq. in. per ft.
 DIN Rating: Class E
 ANSI Rating: Special Duty
 Application: Dynamic Loads and
 Forklift Traffic



Z-806-HPD, Z-886-HPD
 Material: Ductile Iron Heel-Proof Grate
 Weight: 7.31 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 16.80 sq. in. per ft.
 DIN Rating: Class E
 ANSI Rating: Heavy Duty
 Application: Heel Proof,
 Pedestrian and
 Heavy-Duty Traffic



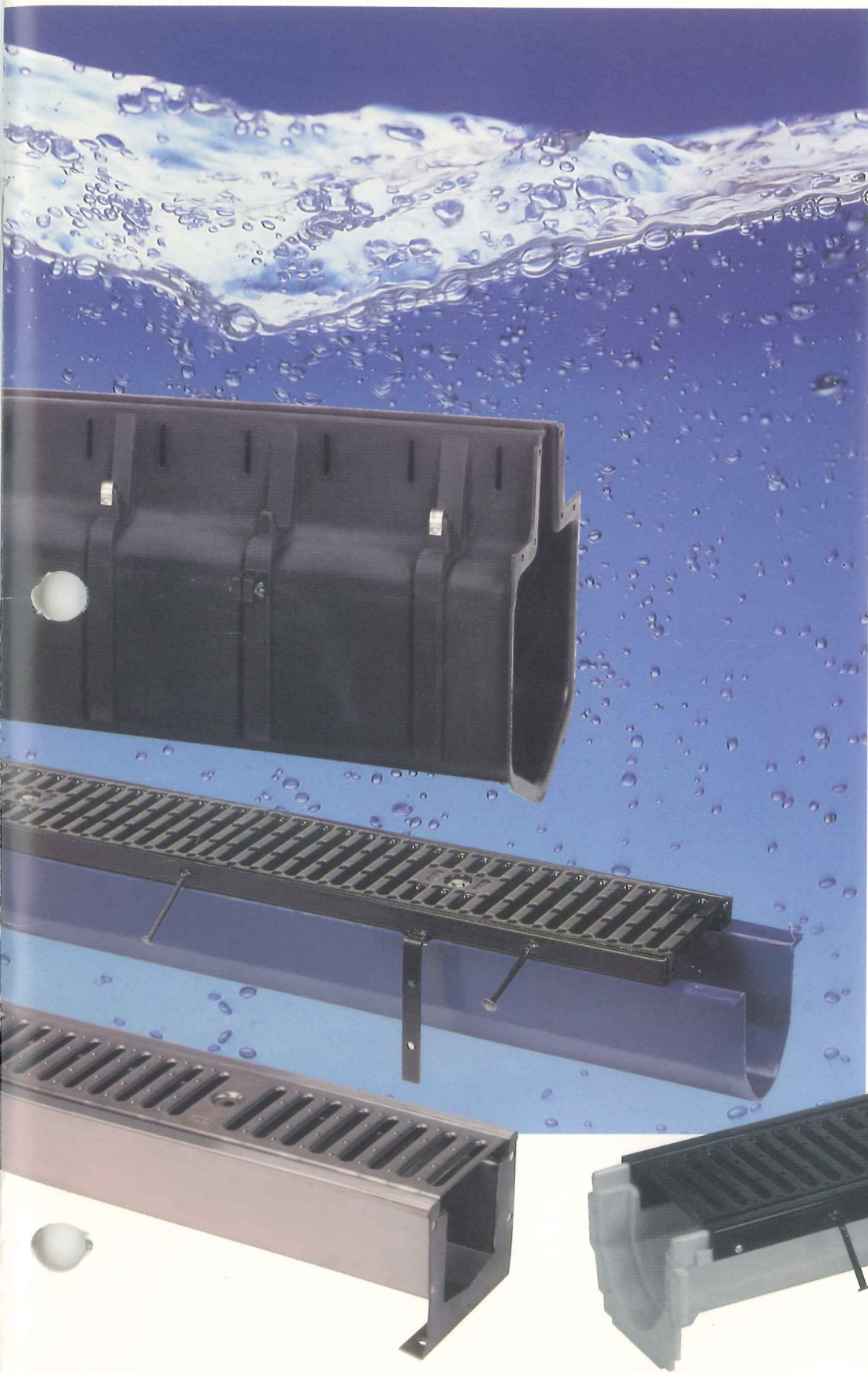
Z-806-LD, Z-886-LD
 Material: Ductile Iron Longitudinal Grate
 Weight: 7.26 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 20.94 sq. in. per ft.
 DIN Rating: Class E
 ANSI Rating: Special Duty
 Application: Extra-Heavy Loads
 Maximum Flow Capacity



Z-806-SBG, Z-886-SBG, Z-890-SBG
 Material: S.S. Bar Grate
 Weight: 2.68 # per ft.
 Dimensions: 5.375" w x 20" l x .75" h
 Open Area: 44.05 sq. in. per ft.
 DIN Rating: Class E
 ANSI Rating: Special Duty
 Application: Food and Beverage
 Processing, Dynamic Loads

Class D Grates

Class E Grates



Flo-Thru[®]
Trench
Drainage
Systems

ZURN