

## CPZ886HD Complete Kit

Series

CPZ886HD

Cut Sheet

Zurn Z886 Series

### 6" Wide Reveal Zurn Z886 Heavy Duty Trench Drain Kit Z886HD Complete Kit



### New Zurn Z886 Heavy Duty Trench Drain Complete Kit 6 Inch Wide - C Class Ductile Iron Grate Standard.

#### Complete system - Each Kit Includes:

- Specified Number of 80" Sections of Z886 Channel and HD Frame.
- Specified Number of 20" C Class Ductile Iron Slotted Grates Standard.
- 2 Solid End Caps - 1 Outlet End Cap.—1 Bottom Outlet
- Galvanized Lock Hardware for the Grates.

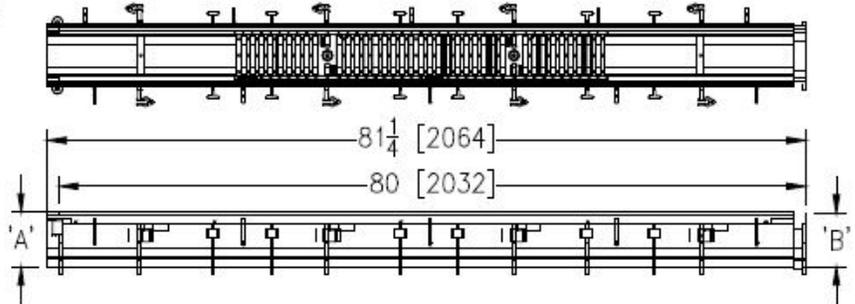
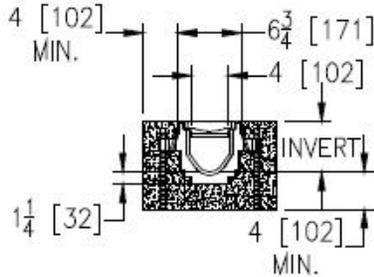
#### Z886 Features and Benefits:

- 80" Modular Channels and HD Frames with 20" and 40" Grates.
- .75% Built-In Slope. Handles Greater Flows, Uniform Slope.
- Radiused Bottom. Better Flow Rate, Less Debris Build-Up.
- Smooth High Density Polyethylene Structural Composite Interior.
- 0% Water Absorption. Durable and Lightweight.



<p><b>Number</b></p> <p style="text-align: center;"><b>Z886 HD Channel &amp; Frame</b></p>	<p><b>Series</b></p> <p style="text-align: center;"><b>CPZ886HD</b></p> <p style="text-align: center;">Channel and Frame</p> <p style="text-align: center;">Z886 Series</p>
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SPECIFYING ENGINEER IS RESPONSIBLE FOR CONCRETE ENCASEMENT AND REINFORCING BASED UPON APPLICATION AND LOCAL CODES



NOTE: + Actual Channel length is 81 1/4 [2064] to allow for overlap.

**ENGINEERING SPECIFICATION: Zurn Z886-HD**

Channels are 80" [2032 mm] long, 6-3/4" [171 mm] wide reveal and have a 4" [102 mm] throat. Modular channel sections are made of 0% water absorbent High Density Polyethylene (HDPE). Channels have a positive mechanical connection between channel sections that will not separate during the installation and mechanically lock into the concrete surround every 10" [254 mm]. Channels weigh less than 2.31 lbs.[1.05kg] per linear foot, have a smooth, 1-1/2" [38 mm] radiused self cleaning bottom with a Manning's coefficient of .009 and .75% or neutral 0% built in slope. Channels have rebar clips standard to secure trench in its final location. Channels provided with standard DGC grates that lock down to frame. Zurn 5.375" [137 mm] wide reveal Ductile Iron Slotted Grate conforming to ASTM specification A536-84, Grade 80-55-06. Ductile Iron grate is rated class C per the DIN EN1433 top load classifications. Supplied in 20" [508 mm] nominal lengths with 1/2" [13 mm] wide slots, and 3/4" [19 mm] bearing depth. Grate has an open area of 28.1 sq. in per ft. [59,463 sq. mm per meter]. The .105" [2.67 mm] thick Heavy-Duty Carbon Steel Frame Assembly conforms to ASTM specification A36 with 10 - 4" [102 mm] long concrete anchors per 80" [2032 mm]. Grate lockdown bars are to be integral to the frame. Frame supplied with powder coated finish. All welds must be performed by a certified welder per ASTM standard AWS D1.1. Frames produced in the U.S.A.



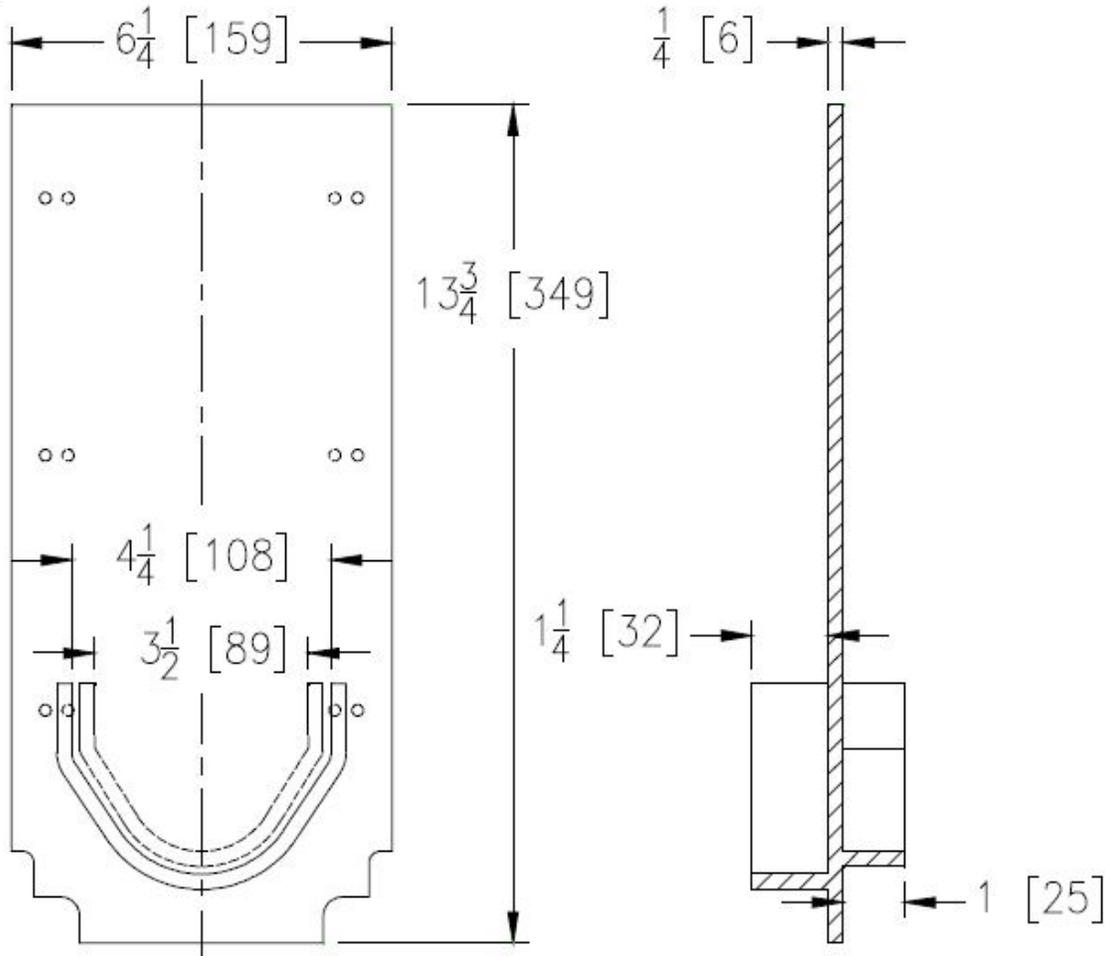
Trench No.	'A' Shallow Inv.	'B' Deep Inv.	Flow		
			(cfs)	(gpm)	(lps)
8601	3.50 [89]	4.10 [104]	0.21	93	6
8602	4.10 [104]	4.70 [119]	0.27	122	8
8603	4.70 [119]	5.30 [135]	0.34	152	10
8603N	5.30 [135]	5.30 [135]	-	-	-
8604	5.30 [135]	5.90 [150]	0.41	183	12
8605	5.90 [150]	6.50 [165]	0.48	214	13
8606	6.50 [165]	7.10 [180]	0.55	245	15
8606N	7.10 [180]	7.10 [180]	-	-	-
8607	7.10 [180]	7.70 [196]	0.62	276	17
8608	7.70 [196]	8.30 [211]	0.69	308	19
8609	8.30 [211]	8.90 [226]	0.76	339	21
8610	8.90 [226]	9.50 [241]	0.83	371	23
8611	9.50 [241]	10.10 [257]	0.90	403	25
8612	10.10 [257]	10.70 [272]	0.97	435	27
8612N	10.70 [272]	10.70 [272]	-	-	-
8613	10.70 [272]	11.30 [287]	1.04	467	29
8614	11.30 [287]	11.90 [302]	1.11	498	31
8615	11.90 [302]	12.50 [318]	1.18	530	33

**Manufacturer**



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<p><b>Number</b> <b>Z886 E1 Solid End Cap</b></p>	<p><b>Series</b> <b>CPZ886</b> HDPE Endcaps Z886 Series</p>
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Please Check ✓	Item No.	Part Number	Item I.D.
	1	59895-001	P886-E1

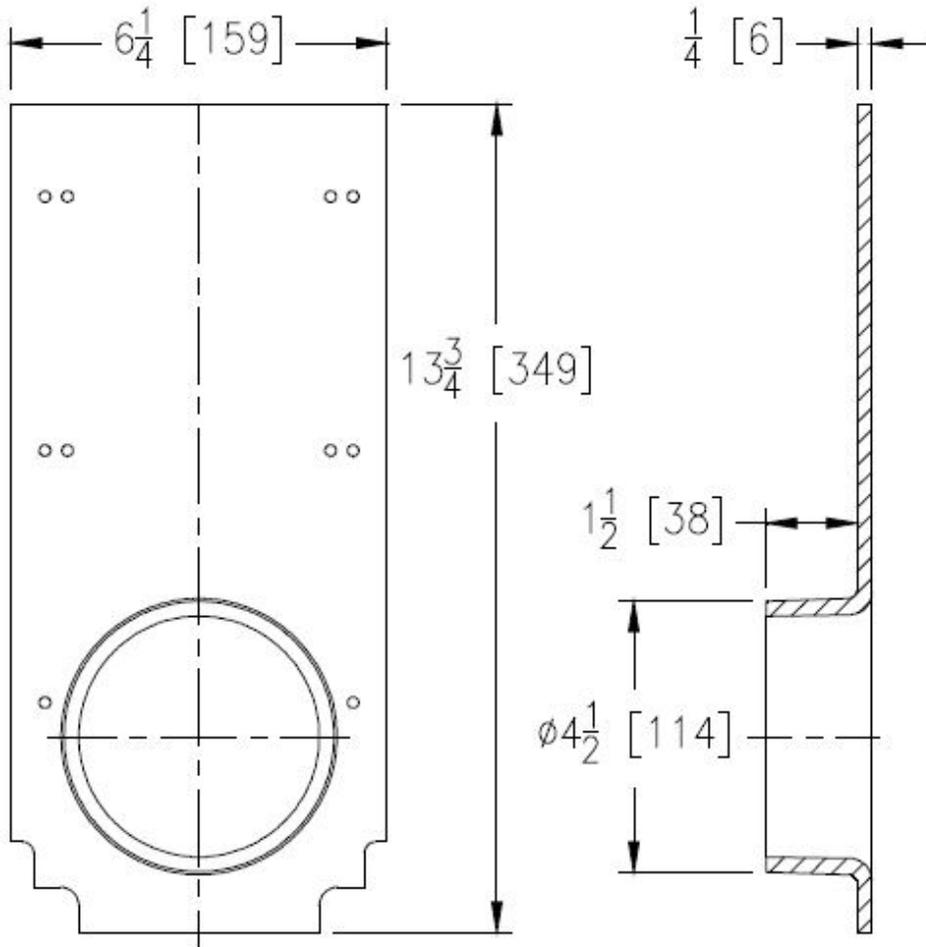
**Manufacturer**



**ENGINEERING SPECIFICATION: ZURN Z886-E1**  
 Closed End for 6" [152mm] wide Trench Drainage System.  
 Endcap is made of 1/4" [6mm] thick HDPE.  
 \*\*Unit to be cut in field per channel depth.

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<b>Number</b> <b>Z886 E4 4" Outlet End Cap</b>	<b>Series</b> <b>CPZ886</b> HDPE Endcaps Z886 Series
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Please Check ✓	Item No.	Part Number	Item I.D.
	4	59896-003	P886-E4

**Manufacturer**



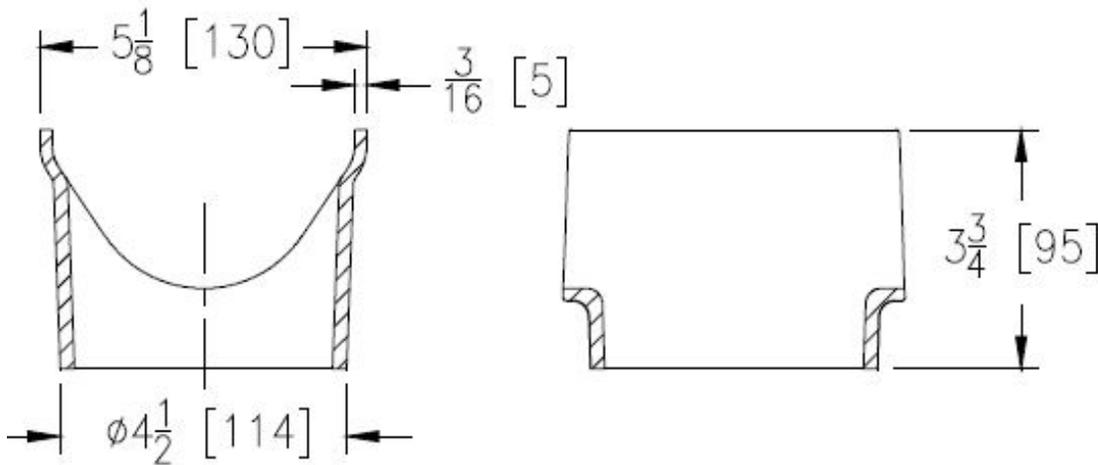
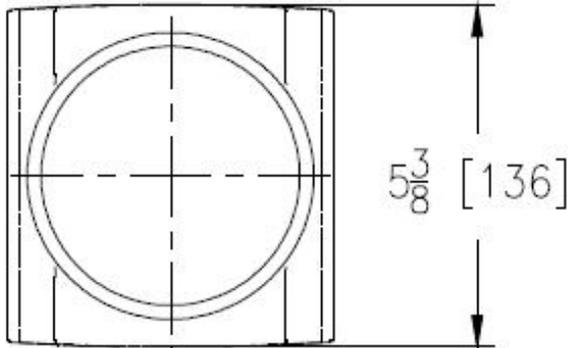
**ENGINEERING SPECIFICATION: ZURN Z886-E4**

4" [102mm] No-Hub End Outlet for 6" [152mm] Wide Trench Drainage System. Outlet is made of 1/4" [6mm] thick HDPE and is designed for No-Hub applications using an adapter (Supplied by other).

**\*\*Unit to be cut in field per channel depth.**

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<p><b>Number</b> <b>Z886 U4 4" Bottom Outlet</b></p>	<p><b>Series</b> <b>CPZ886</b> HDPE Endcaps Z886 Series</p>
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Please Check ✓	Item No.	Part Number	Item I.D.
	7	59894-003	P886-U4

**Manufacturer**



**ENGINEERING SPECIFICATION: ZURN Z886-U4**

4" [102mm] No-Hub Bottom Outlet for 6" [152mm] wide Trench Drainage System. Outlet is made of 3/16" [5mm] thick HDPE and is designed for No-Hub applications using an adapter (Supplied by other).

**\*\*Channel to be cut in field to inside diameter of outlet.**

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<p><b>Number</b></p> <p><b>Z886 Accessories</b></p>	<p><b>Series</b></p> <p><b>CPZ886</b> Accessories Z886 Series</p>
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		<p><b>Z886-669558409</b> Locks intended for use with DI and HPP grates</p>
		<p><b>Z886-669558499</b> Locks intended for use Decorative SS grates</p>
		<p><b>Z886-669558879</b> Locks intended for use with Galvanized grates</p>
		<p><b>Z886-669559539</b> Locks intended for use with standard SS grates</p>
		<p><b>Z886-669558439</b> Vandal Proof grate lockdowns Perma-GL-VP</p>

**Additional Accessories**

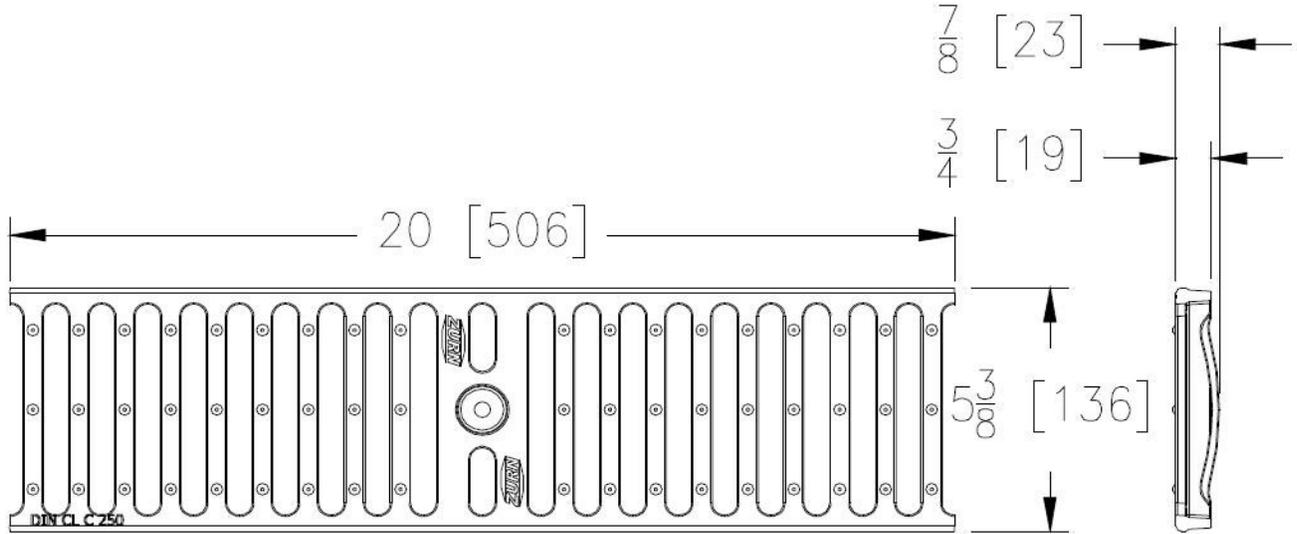
Part Number	Description	Intended Grates
Z886-669558419	Overlap Connect Bag	DI and HPP
Z886-669558429	Rebar Clip Bag	DI and HPP
Z886-669558469	Frame Parts Bag	DI and HPP
Z886-669558579	End Cap Hardware	

**Manufacturer**



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<b>Number</b>  <b>94472</b>	<b>Series</b>  <b>Z886-DGC</b> C Class Slotted Ductile Iron Grate P6-DGC
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**Specification**

The Zurn P6-DGC Slotted Grate, Ductile Iron Grate, is 5-3/8 inches wide by 20 inches long, weighing 4.5 lbs per linear foot. The grate has an open area of 28.1 square inches per linear foot, DIN Rating of C, ANSI Rating of Heavy-Duty, H-20 Load Rated. Supplied by Trench Drain Supply.

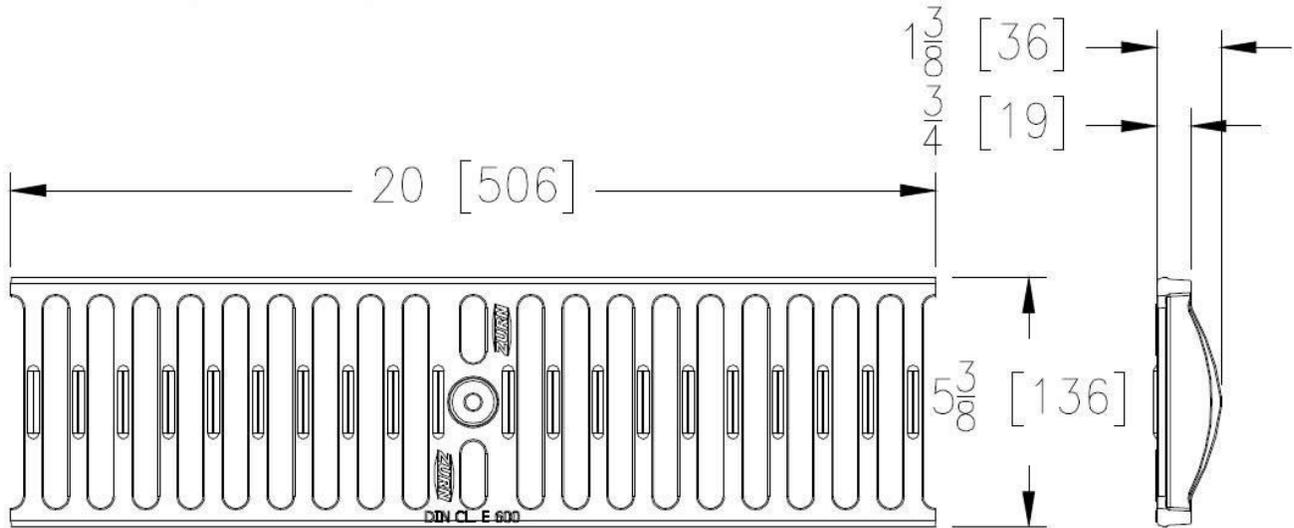
<b>DGC - Slotted Grate</b>	
Material:	Ductile Iron
DIN Rating:	Class C
Weight:	4.5 lbs/ft.
Open Area:	28.1 in <sup>2</sup> /ft.
ANSI Rating:	Heavy-Duty
Application:	Vehicle Traffic
Slot Width/Hole Size:	1/2"
ADA:	No
H-20:	Yes
FAA:	No

**Manufacturer**



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<b>Number</b>  <b>94473</b>	<b>Series</b>  <b>Z886-DGE</b> E Class Slotted Ductile Iron Grate P6-DGE
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**Specification**

The Zurn P6-DGE Slotted Grate, Ductile Iron Grate, is 5-3/8 inches wide by 20 inches long, weighing 6.4 lbs per linear foot. The grate has an open area of 27.8 square inches per linear foot, DIN Rating of E, ANSI Rating of Special Duty, H-20 Load Rated, FAA Load Rated. Supplied by Trench Drain Supply.

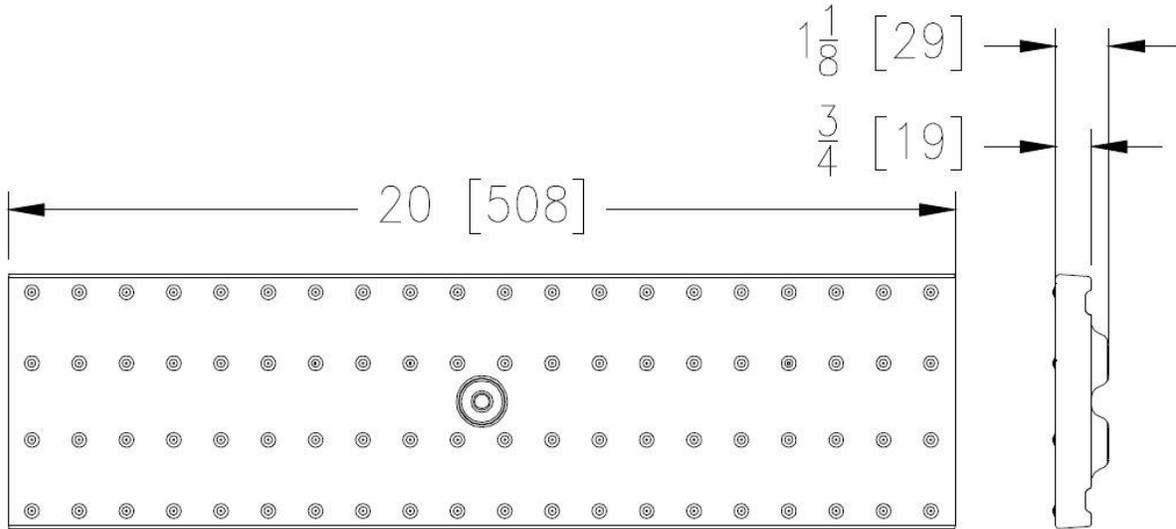
<b>DGE - Slotted Grate</b>	
Material:	Ductile Iron
DIN Rating:	Class E
Weight:	6.4 lbs/ft.
Open Area:	27.8 in <sup>2</sup> /ft.
ANSI Rating:	Special Duty
Application:	Dynamic loads
Slot Width/Hole Size:	1/2"
ADA:	No
H-20:	Yes
FAA:	Yes

**Manufacturer**



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<b>Number</b>  <b>56780</b>	<b>Series</b>  <b>Z886-DC</b> C Class Dura-Coated Ductile Iron Cover P6-DC
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**Specification**

The Zurn P6-DC Solid Cover, Dura-Coated Ductile Iron Cover, is 5-3/8 inches wide by 20 inches long, weighing 8 lbs per linear foot. The grate has a DIN Rating of C, ANSI Rating of Heavy-Duty, H-20 Load Rated, ADA compliant. Supplied by Trench Drain Supply.

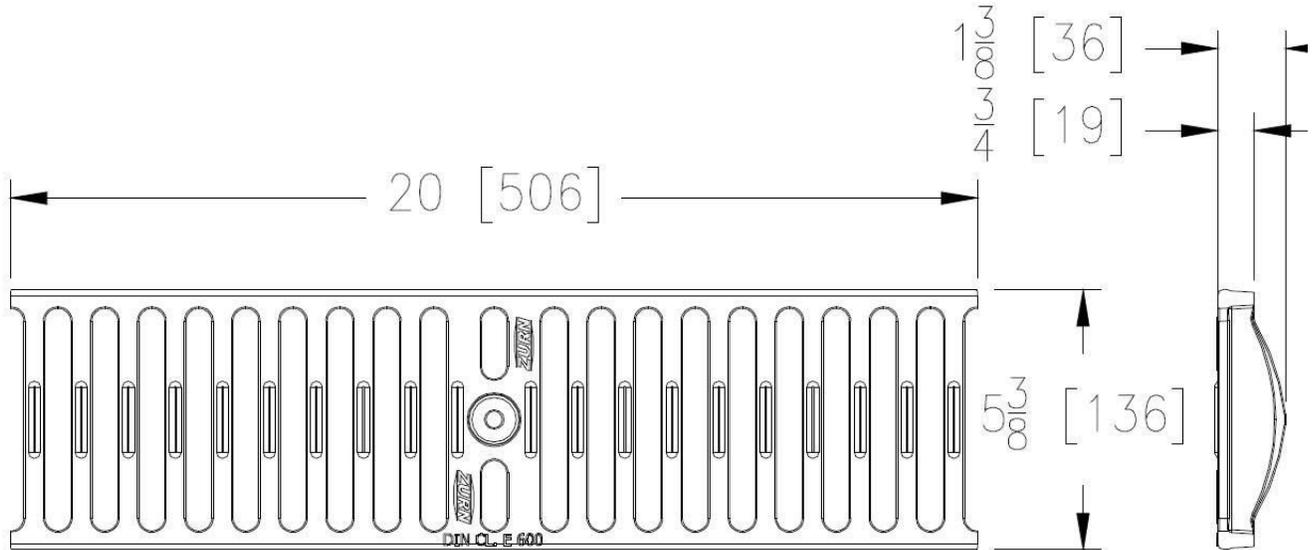
<b>DC - Solid Cover</b>	
Material:	Ductile Iron
DIN Rating:	Class C
Weight:	8 lbs/ft.
Open Area:	n/a
ANSI Rating:	Heavy-Duty
Application:	Vehicle Traffic
Slot Width/Hole Size:	n/a
ADA:	Yes
H-20:	Yes
FAA:	No

**Manufacturer**



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<b>Number</b>	<b>94473</b>	<b>Series</b>	<b>Z886-GDE</b> E Class Galvanized Ductile Iron Grate P6-GDE
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**Specification**

The Zurn P6-GDE Slotted Grate, Galvanized Ductile Iron Grate, is 5-3/8 inches wide by 20 inches long, weighing 6.4 lbs per linear foot. The grate has an open area of 27.8 square inches per linear foot, DIN Rating of E, ANSI Rating of Special Duty, H-20 Load Rated, FAA Load Rated. Galvanizing (Hot dip) conforms to ASTM specification A123. Supplied by Trench Drain Supply.

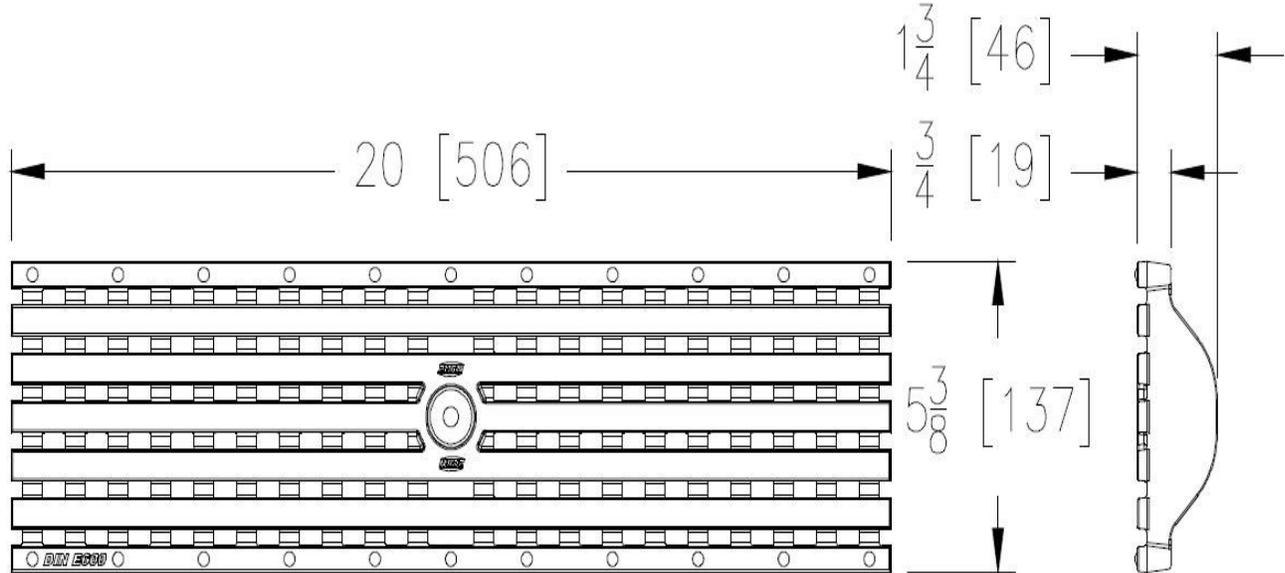
<b>GDE - Slotted Grate</b>	
Material:	Galvanized Ductile Iron
DIN Rating:	Class E
Weight:	6.4 lbs/ft.
Open Area:	27.8 in <sup>2</sup> /ft.
ANSI Rating:	Special Duty
Application:	Dynamic loads
Slot Width/Hole Size:	1/2"
ADA:	No
H-20:	Yes
FAA:	Yes

**Manufacturer**



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<b>Number</b>  <b>94454</b>	<b>Series</b>  <b>Z886-HPDE</b> E Class Heel-Proof Ductile Iron Grate P6-HPDE
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**Specification**

The Zurn P6-HPDE Heel-Proof Slotted, Ductile Iron Grate, is 5-3/8 inches wide by 20 inches long, weighing 9.5 lbs per linear foot. The grate has an open area of 22.2 square inches per linear foot, DIN Rating of E, ANSI Rating of Special-Duty, ADA compliant, H-20 Load Rated and FAA Load Rated. Supplied by Trench Drain Supply.

<b>HPDE - Heel-Proof Slotted</b>	
Material:	Ductile Iron
DIN Rating:	Class E
Weight:	9.5 lbs/ft.
Open Area:	22.2 in <sup>2</sup> /ft.
ANSI Rating:	Special-Duty
Application:	Heel-Proof, Forklifts, Commercial Aircraft
Slot Width/Hole Size:	5/16"
ADA:	Yes
H-20:	Yes
FAA:	Yes

**Manufacturer**



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