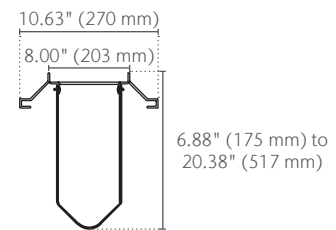
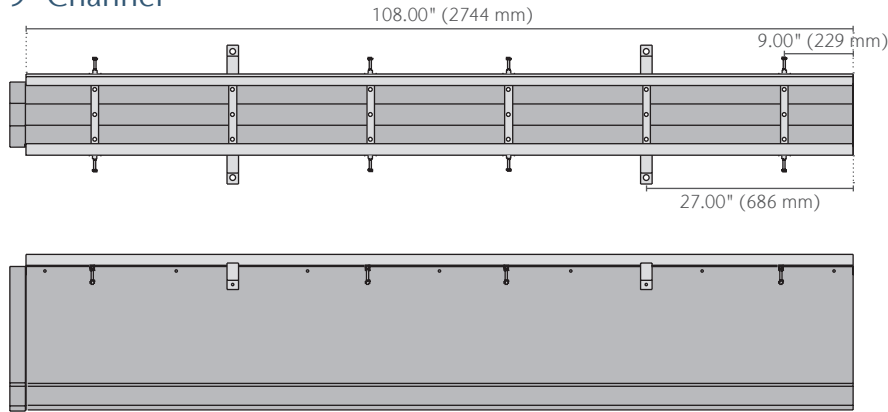


# FG200 Channel System With Galvanized Steel Frame

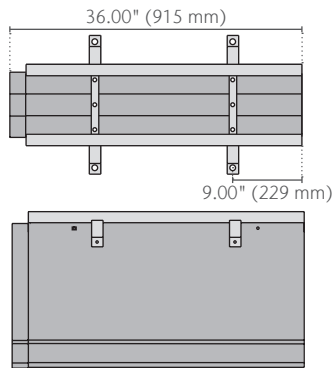


## 9' Channel

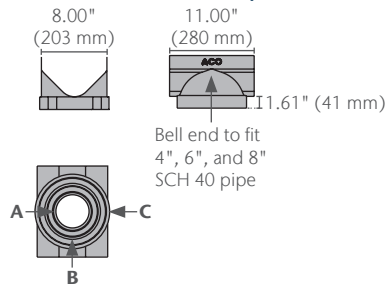


Note: Add 2.00" to length of each channel for female joining flange (only applicable at shallowest end of run)

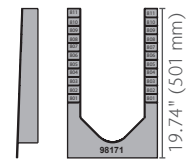
## 3' Channel



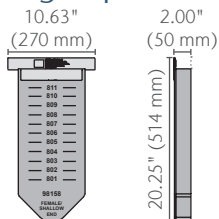
## Vertical Outlet Adapter



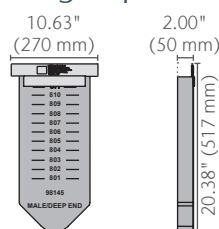
## Channel Collar



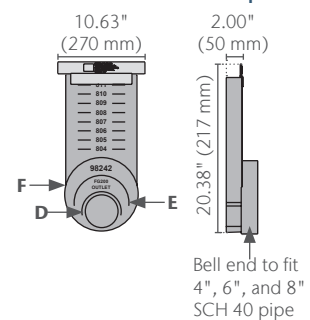
## Closing Cap - Female



## Closing Cap - Male



## Outlet End Cap



# FG200 Channel System With Galvanized Steel Frame



## Outlet Flow Rates

Outlet	Product	Outlet size (SCH 40)	Invert Depth	GPM	CFS
<b>A</b>	Vertical outlet - F801	4" round	7.88	154	0.34
<b>A</b>	Vertical outlet - F812	4" round	20.25	246	0.54
<b>B</b>	Vertical outlet - F801	6" round	7.88	346	0.77
<b>B</b>	Vertical outlet - F812	6" round	20.25	553	1.23
<b>C</b>	Vertical outlet - F801	8" round	7.88	616	1.37
<b>C</b>	Vertical outlet - F812	8" round	20.25	982	2.18
<b>D</b>	Outlet cap - F802	4" round	9.00	145	0.33
<b>D</b>	Outlet cap - F812	4" round	20.25	233	0.54
<b>E</b>	Outlet cap - F803	6" round	10.13	330	0.76
<b>E</b>	Outlet cap - F812	6" round	20.25	510	1.17
<b>F</b>	Outlet cap - F805	8" round	12.38	635	1.46
<b>F</b>	Outlet cap - F812	8" round	20.25	880	2.03

Note: These are the pipe flow rates at the specified outlet, NOT channel flow rates.

Product Name	Part No.	Invert Depth		Weight lbs
		in	mm	
F801 Sloped Channel - 108" (2.75 m)	<b>99006</b>	6.75 - 7.88	172 - 200	11.0
F802 Sloped Channel - 108" (2.75 m)	<b>99013</b>	7.88 - 9.00	200 - 229	12.0
F803 Sloped Channel - 108" (2.75 m)	<b>99021</b>	9.00 - 10.13	229 - 257	13.0
<b>F803N Constant Depth Channel - 108" (2.75 m)</b>	<b>99048</b>	<b>10.13</b>	<b>257</b>	<b>15.5</b>
<b>F803N3 Constant Depth Channel - 36" (0.915 m)</b>	<b>99034</b>	<b>10.13</b>	<b>257</b>	<b>5.2</b>
F804 Sloped Channel - 108" (2.75 m)	<b>99055</b>	10.13 - 11.25	257 - 286	14.1
F805 Sloped Channel - 108" (2.75 m)	<b>99062</b>	11.25 - 12.38	286 - 314	15.2
F806 Sloped Channel - 108" (2.75 m)	<b>99071</b>	12.38 - 13.50	314 - 343	16.3
<b>F806N Constant Depth Channel - 108" (2.75 m)</b>	<b>99095</b>	<b>13.50</b>	<b>343</b>	<b>16.3</b>
<b>F806N3 Constant Depth Channel - 36" (0.915 m)</b>	<b>99084</b>	<b>13.50</b>	<b>343</b>	<b>5.5</b>
F807 Sloped Channel - 108" (2.75 m)	<b>99109</b>	13.50 - 14.63	343 - 371	17.4
F808 Sloped Channel - 108" (2.75 m)	<b>99116</b>	14.63 - 15.75	371 - 400	18.5
F809 Sloped Channel - 108" (2.75 m)	<b>99123</b>	15.75 - 16.87	400 - 429	19.6
<b>F809N Constant Depth Channel - 108" (2.75 m)</b>	<b>99145</b>	<b>16.87</b>	<b>429</b>	<b>19.6</b>
<b>F809N3 Constant Depth Channel - 36" (0.915 m)</b>	<b>99132</b>	<b>16.87</b>	<b>429</b>	<b>6.5</b>
F810 Sloped Channel - 108" (2.75 m)	<b>99156</b>	16.87 - 18.00	429 - 457	20.7
F811 Sloped Channel - 108" (2.75 m)	<b>99162</b>	18.00 - 19.13	457 - 486	21.8
F812 Sloped Channel - 108" (2.75 m)	<b>99175</b>	19.13 - 20.25	486 - 514	23.0
<b>F812N Constant Depth Channel - 108" (2.75 m)</b>	<b>99192</b>	<b>20.25</b>	<b>514</b>	<b>23.0</b>
<b>F812N3 Constant Depth Channel - 36" (0.915 m)</b>	<b>99186</b>	<b>20.25</b>	<b>514</b>	<b>7.7</b>

Notes:

Invert depths are for the channel/catch basin body & frame assembly.  
Channel weights are for fiberglass body only.

### Channel Frames

Galvanized steel frame - 108" (2.75 m)	<b>97079</b>	-	-	57.9
Galvanized steel frame - 36" (0.915 m)	<b>98538</b>	-	-	19.3

Note: Frames supplied with plastic snap-fit studs for connecting to fiberglass body.

### Accessories

Closing cap (Female) with Galvanized Steel end frame	<b>98386</b>	-	-	1.1
Closing/outlet cap (Male) with Galvanized Steel end frame	<b>98382</b>	-	-	1.3
Outlet cap (Male) with Galvanized Steel end frame	<b>98381</b>	-	-	1.8
Vertical outlet adapter - 4" or 6" SCH 40 outlet	<b>98103</b>	-	-	1.6
FG200 Channel/catch basin collar	<b>98171</b>	19.74	501	1.1

Notes:

Closing caps can be cut down to suit all channels.  
Please refer to separate sheet for F600 and F880 catch basin information.

# FG200 Channel System With Galvanized Steel Frame



## Specification Summary

### General

The surface drainage system shall be ACO Drain FG200 complete with galvanized steel frame and bolted gratings as manufactured by ACO Polymer Products, Inc. or approved equal.

### Grates

Grates should be specified. See separate ACO Spec Info Sheets for grate details.

### Installation

The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

### Materials

The trench system bodies shall be manufactured from fiberglass, with minimum properties as follows:

- Compressive strength: 24,400 psi
- Flexural strength: 9,943 psi
- Water absorption 0.33%
- Frost-proof
- Salt-proof
- Dilute acid and alkali-resistant

The nominal clear opening shall be 8.00" (203 mm) with overall width of 10.63" (270 mm). Pre-cast units shall be manufactured with either an invert slope of 1.0% or with neutral invert and have a wall thickness of at least 1/8" (3 mm). Each unit will feature a full 'V' profile in the trench bottom and a 2.00" (50 mm) male to female interconnecting end profile.

The fiberglass channel body shall be fixed to the frame using push fit nylon studs at 17.17" (436 mm) intervals.

Frames shall be manufactured from galvanized steel and shall incorporate anchoring features to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. Frames shall incorporate installation brackets to ensure correct and easy installation. Frame shall be at least 3/16" (5 mm) thick.

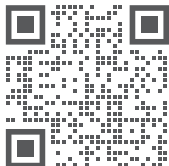


EN1433 Load Class E  
134,885 lbs – 2,785 psi

## ACO, Inc.

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