

Slab Solutions features

Ductile iron grates - Heavy duty ductile

Bolted grates - FG200 grates are lockable with two 1/2" - 13 x 11/2" bolts fixing directly into steel frame at 18" (457mm) intervals.

iron grates in choice of Load Class F slotted or longitudinal ADA compliant (H200SK & H300SK ADA grates are rated to Load Class E). A 4-bolt slotted grate is also available.

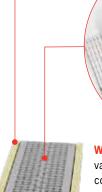
H100SK/H200SK/H300SK Integrally cast-in ductile iron edge rail - Provides maximum strength and protection for channel body.

> **Cross Sidewalk** Drain - Allows

water from a down spout to drain safely, through the SlabDrain, across the sidewalk to the curb.

where liquid permeating through the pavement is collected on a membrane and directed into the trench drain.

H100K/H200K/H300K Integrally cast-in galvanized steel edge rail -Provides additional strength and protects channel body from damage. (Stainless steel edge rail also available).



Wide choice of grates - In various materials, styles and slot configurations (including ADA compliant).

MembraneDrain - For use in a suspended slab

H100 - From Load Class A to Load Class C (25 tons).

H100 Polymer

metals cannot be

used. Product is also

concrete edge - Ideal for situations where

H100K/H200K/H300K - From Load Class A to Load Class E (60 tons).

used for the base of MembraneDrain.

H300K 12" internal width

Interconnecting end profiles - Allow easy and effective joining of channels. SF Sealant Groove - A groove is cast into

Anti-shunt lugs -Recesses in grate fit around lugs on the edge rail to prevent longitudinal

movement.

the ends of every channel. The combined groove this creates allows for a positive bead of appropriate flexible sealant to be inserted at QuickLok™ & DrainLok™ on H100K/H200K/ **H300K** - Patented, boltless locking systems provide quick fitting and removal of grates. Helps

reduce installation/maintenance time and cost. H100 will accept QuickLok™ grates only.

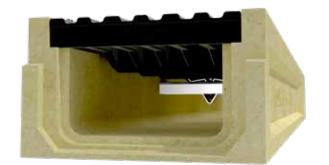
Bottom drill-outs - Included on all channels to allow vertical evacuation of the system at any point in the run. Drill-outs sized for:

4" pipes - H100/H100K/H100SK, 4" & 6" pipes - H200K/H200SK, 6" & 8" pipes - H300K/H300SK

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H300SK 12" internal width





On occasion, installation constraints are of greater concern than hydraulics. The most common constraint is lack of depth. To offer solutions where shallow trench drains are required, SlabDrain is available in 3 edge versions and 3 widths - all constant depth.

Loading varies for each system, depending upon edge rail and grate, up to heavy duty Class F (90 tons) EN 1433. All grates are secured to the channel body by either QuickLok™ or PowerLok™.

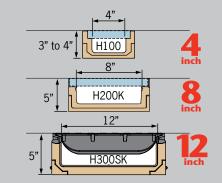
Polymer concrete edge rail on H100-8/H100-10 can be used to provide a non-metallic drainage option.

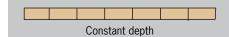




SlabDrain

Key dimensions

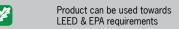




Typical applications

- Restricted depth applications
- Parking decks
- Elevated slabs
- Retro-fit
- Threshold applications

Selection criteria





Resistant to many everyday chemicals. Check page 139



Multiple grate options to meet legal requirements



Multiple grate options to meet design requirements



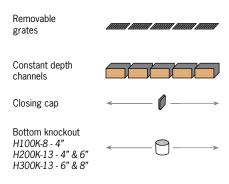
Limited hydraulic capacity



Constant depth channels

ACO DRAIN

System layout



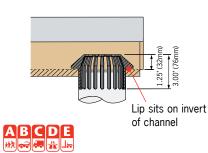


SlabDrain - H100K/H200K/H300K H100KS/H200KS/H300KS



Debris strainer to fit 4" bottom outlets.

H100K-8/H100KS-8



Outlet flow rates

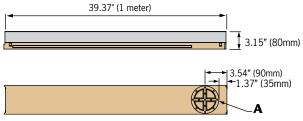
Outlet	Product	Size (Sch 40)	Invert in.	GPM	CFS
Α	Bottom outlet - H100K	4" round	2.56	87	0.20
Α	Bottom outlet - H200K	4" round	4.00	108	0.24
Α	Bottom outlet - H300K	6" round	4.00	243	0.54
В	Bottom outlet - H200K	6" round	4.00	243	0.54
В	Bottom outlet - H300K	8" round	4.00	432	0.96

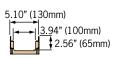
Note: These are pipe flow rates at specified outlet, NOT channel flow rates.

Overall Depth

Volume Weight









Closing cap
5.10" (130mm)
-
3.15" (8)
3.15° (8)

Parts list	H100K-8	H100KS-8	inches	mm	inches	mm	Gallons	lbs	
Constant depth channel - 39.37" (1m)	95365	95373	2.56	65	3.15	80	1.2	16.0	Ī
Steel closing cap	98462	98471	-	-	3.15	80	-	1.0	
Debris strainer for 4" bottom KO	934	488	-	-	-	-	-	0.2	
QuickLok™ locking bar	028	899	-	-	-	-	-	0.1	
Grate removal tool	013	318	-	-	-	-	-	0.3	

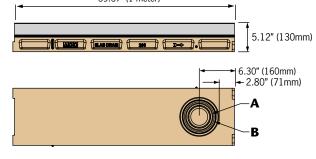
Invert Depth

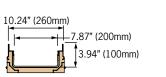
Part No.

Notes:

- 1. H100KS-8 has Grade 304 stainless steel rails and closing cap.
- 2. See pages 30-33 for details on grates for optimum flow use DrainLok™ grates.

H200K-13/	H200KS -1	l3 channel
	20 27 /	1 1





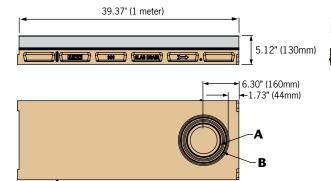
14.17" (360mm)



H200K-13/H200KS-13	Part No.		Invert	vert Depth Overall Depti		l Depth	Volume	Weight
Parts list	H200K-13	H200KS-13	inches	mm	inches	mm	Gallons	lbs
Constant depth channel - 39.37" (1m)	93454	93455	3.94	100	5.12	130	3.7	57.4
Steel closing cap	93458	93459	-	-	5.12	130	-	1.0
Debris strainer for 4" bottom KO	93	488	-	-	-	-	-	0.2
QuickLok™ locking bar	10	10457		-	-	-	-	0.5
Grate removal tool	01	318	-	-	-	-	•	0.3

- 1. H200KS-13 has Grade 304 stainless steel rails and closing cap.
- 2. See pages 42-43 for details on grates for optimum flow use DrainLok™ grates.

H300K-13/H300KS-13 channel



	Closing cap	
n) +	14.17" (360mm)	
3.94" (100mm)		5.12" (130mm)

H300K-13/H300KS-13	Part No.		Invert Depth Ove		Overall	Overall Depth		Weight
Parts list	H300K-13	H300KS-13	inches	mm	inches	mm	Gallons	lbs
Constant depth channel - 39.37" (1m)	93464	93465	3.94	100	5.12	130	5.5	71.6
Steel closing cap	93468	93469	-	-	5.12	130	-	1.4
QuickLok™ locking bar	10	458	-	-	-	-	-	0.7
Grate removal tool	01	318	-	-	-	-	-	0.3

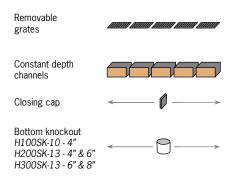
- $1.\ \mbox{H300KS-}13$ has Grade 304 stainless steel rails and closing cap.
- 2. See pages 52-53 for details on grates for optimum flow use DrainLok™ grates.

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System layout

H100SK-10 channel

H200SK-13 channel



39.37" (1 meter)

39.37" (1 meter)



Closing cap

6.10" (155mm)

Closing cap

10.24" (260mm)

5.12" (130mm)

13.94" (100mm)

SlabDrain - H100SK/H200SK/H300SK

Outlet flow rates

Outlet	Product	Size (Sch 40)	Invert in.	GPM	CFS
Α	Bottom outlet - H100SK	4" round	2.95	93	0.21
Α	Bottom outlet - H200SK	4" round	4.00	108	0.24
Α	Bottom outlet - H300SK	6" round	4.00	243	0.54
В	Bottom outlet - H200SK	6" round	4.00	243	0.54
В	Bottom outlet - H300SK	8" round	4.00	432	0.96

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



H100SK-10 Parts list		Invert	Depth	Overall	Depth	Volume	Weight
	No.	inches	mm	inches	mm	Gallons	lbs
Constant depth channel (no grate) - 39.37" (1m)	93412	2.83	72	3.15	80	1.2	43.5
Load Class F longitudinal grate - 19.69" (0.5m) PowerLok™	96096	-	-	-	-	-	13.6
Load Class F slotted grate - 19.69" (0.5m) PowerLok™	96082	-	-	-	-	-	12.3
Load Class F 4-bolt grate - 19.69" (0.5m)	99590	-	-	-	-	-	10.8
Replacement bolt	95526	-	-	-	-	-	0.1
Tamper resistant bolt for 4-bolt grate	138127	-	-	-	-	-	0.1
PowerLok™ safety clip	10443	-	-	-	-	-	0.1
Steel closing cap	93410	-	-	3.15	80	-	1.0
Debris strainer for 4" bottom knockout	93488	-	-	-	-	-	0.2
Grate removal tool	01318	-	-	-	-	-	0.3

Notes:

- 1. See page 74 for details on grates.
- 2. Debris strainer details for 4" dia. outlet on page 103.

H200SK-13 Parts list	Part	Invert Depth		Overall Depth		Volume	Weight
	No.	inches	mm	inches	mm	Gallons	lbs
Constant depth channel (no grate) - 39.37" (1m)	63456	3.94	100	5.12	130	3.7	66.4
Load Class E longitudinal grate - 19.69" (0.5m) PowerLok™	72263	-	-	-	-	-	26.4
Load Class F slotted grate - 19.69" (0.5m) PowerLok™	02449	-	-	-	-	-	30.8
Load Class F 4-bolt grate - 19.69" (0.5m)	99591	-	-	-	-	-	26.4
Replacement bolt	95526	-	-	-	-	-	0.1
Tamper resistant bolt for 4-bolt grate	138127	-	-	-	-	-	0.1
PowerLok™ safety clip	10443	-	-	-	-	-	0.1
Steel closing cap	93460	-	-	5.12	130	-	1.0
Debris strainer for 4" bottom knockout	93488	-	-	-	-	-	0.2
Grate removal tool	01318	-	-	-	-	-	0.3

Notes:

- 1. See page 84 for details on grates.
- 2. Debris strainer details for 4" dia. outlet on page 103.

H300SK-13 channel		Closing cap
39.37" (1 meter)	13.86" (352mm) 11.81" (300mm)	14.17" (360mm)
5.12" (130mm)	3.94" (100mm)	5.12" (130mm)
6.30" (160mm) +1.73" (44mm)	14.17" (360mm)	
A		

5.98" (152mm)

6.3" (160mm)

10.24" (260mm)

3.94" (100mm)

5.12" (130mm)

► 6.30" (160mm)

← 2.80" (71mm)

3.54" (90mm) 1.37" (35mm)

3.94" (100mm) 2.95" (75mm)

> <u>7</u>.87" (200mm) 3.94" (100mm)

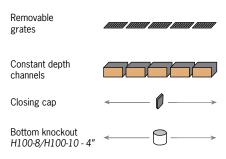
H300SK-13 Parts list	Part	Invert	Depth	Overall	Depth	Volume	Weight
	No.	inches	mm	inches	mm	Gallons	lbs
Constant depth channel (no grate) - 39.37" (1m)	63466	3.94	100	5.12	130	5.5	82.2
Load Class E longitudinal grate - 19.69" (0.5m) PowerLok™	96833	-	-	-	-	-	64.0
Load Class F slotted grate - 19.69" (0.5m) PowerLok™	02445	-	-	-	-	-	50.0
Load Class F 4-bolt grate - 19.69" (0.5m)	99592	-	-	-	-	-	50.2
Replacement bolt	95526	-	-	-	-	-	0.1
Tamper resistant bolt for 4-bolt grate	138127	-	-	-	-	-	0.1
PowerLok™ safety clip	10443	-	-	-	-	-	0.1
Steel closing cap	93470	-	-	5.12	130	-	1.4
Grate removal tool	01318	18		-	-	-	0.3
Notes:							

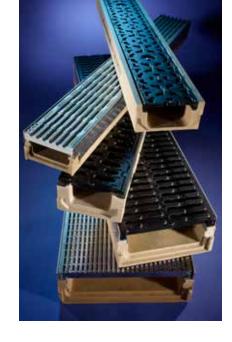
1. See page 94 for details on grates.

SlabDrain - H100/CSD

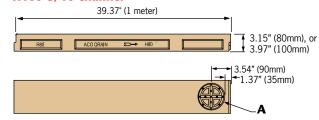
ACO DRAIN

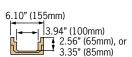
System layout





H100-8/10 channel









H100-8 & H100-10 Parts list	Part	Invert Depth		Overall	Depth	Volume	Weight
	No.	inches	mm	inches	mm	Gallons	lbs
H100-8 constant depth channel - 39.37" (1m)	00985	2.56	65	3.15	80	1.16	20.0
H100-10 constant depth channel - 39.37" (1m)	00549	3.35	85	3.95	100	1.70	25.0
H100-8 polymer concrete closing cap	05935	-	-	3.15	80	-	1.0
H100-10 polymer concrete closing cap	05939	-	-	3.95	100	-	1.0
Debris strainer for 4" bottom KO	93488	-	-	-	-	-	0.2
Grate removal tool	01318	-	-	-	-	-	0.3

- 1. See page 32 for details on suitable QuickLok™ grates, max. load Class C (56,000lb 280psi).
- 2. Use grate removal tool to remove grates (Part #01318).
- 3. Debris strainer details for 4" dia. outlet on page 103.



Use with 494Q (97393) or 495Q (97385) grates for non-metallic, non-locking drainage option - see ACO Sport brochure.

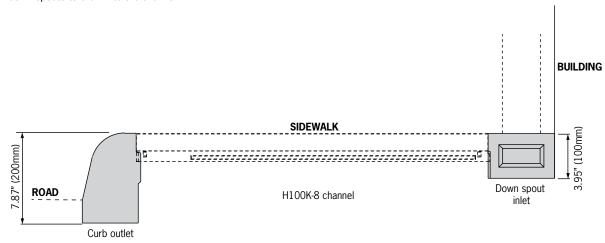
Outlet flow rates

Outlet	Product	Size (Sch 40)	Invert in.	GPM	CFS
Α	Bottom outlet - H100-8	4" round	2.56	87	0.20
Α	Bottom outlet - H100-10	4" round	3.35	99	0.23

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

Cross Sidewalk Drain (CSD)

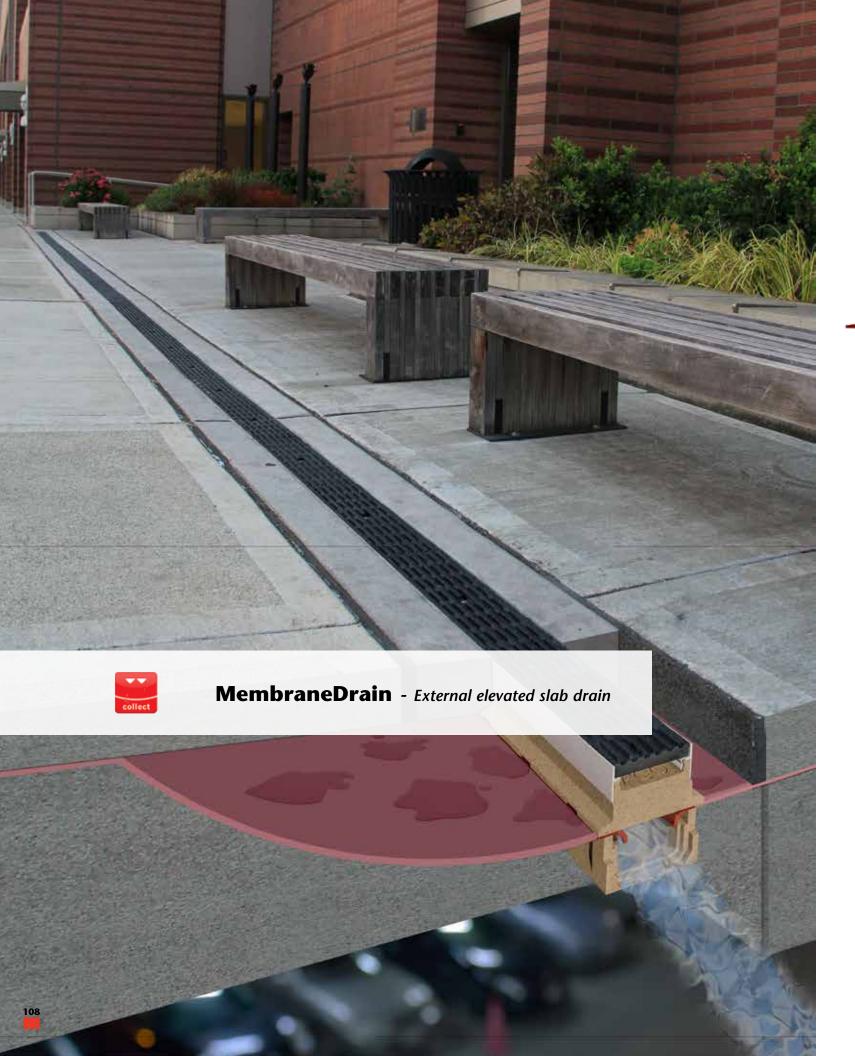
CSD is a cross sidewalk drainage system which has a polymer concrete curb unit, that is cast into the curb line, to allow water from the H100K-8 or H100KS-8 SlabDrain to discharge into the road. A down spout inlet, also manufactured from polymer concrete, allows rainwater down spouts to drain into the channel.

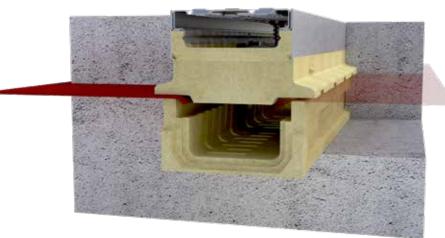


CSD Parts list	Part	t Invert Depth			Depth	Weight
	No.	o. inches		inches	mm	lbs
Curb outlet - type 6 profile	96924	3.5	90	7.87	200	12.7
Down spout inlet	96932	3.2	82	3.95	100	6.0

1. For use with H100K-8 or H100KS-8 channels only - see page 102-103 for details.







Specifically for use in suspended slab where any liquid permeating through the pavement is collected and directed into the trench drain.

Loading is determined by grate, up to Load Class C (25 ton).

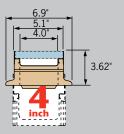
For membrane applications above a habitable area, ACO Building Drainage offers ProfiLine and other suitable products manufactured from stainless steel that are installed entirely above the membrane.





MembraneDrain

Key dimensions





Constant depth

Typical applications

- Rail stations
- Parking garages
- Office buildings
- Airports
- Roof top gardens

Selection criteria

Light to medium duty loads



Product can be used towards LEED & EPA requirements



Resistant to many everyday chemicals. Check page 139



Multiple grate options to meet legal requirements





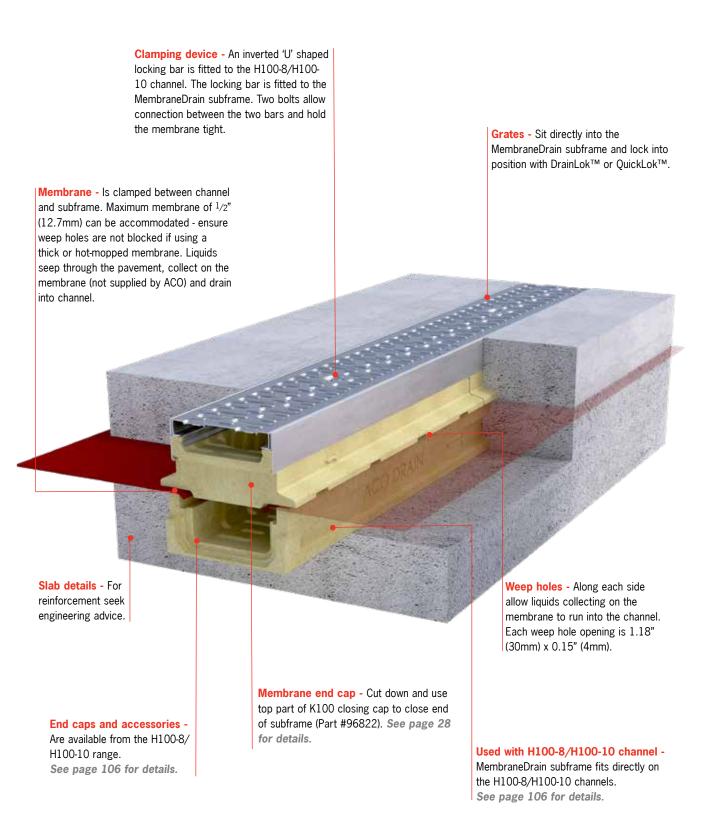


Limited hydraulic capacity

Constant depth channels

ACO DRAIN MembraneDrain

MembraneDrain features

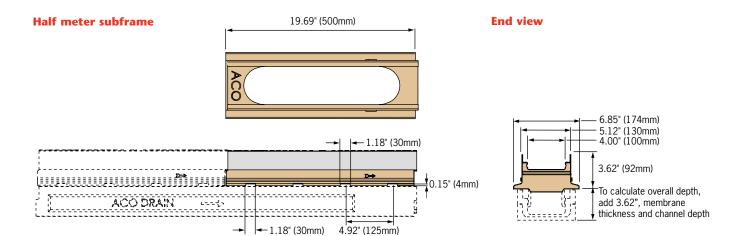


MembraneDrain Parts list

Description	Par	t No.	Invert	Depth	Overall	Depth	Weight
	Galv.	Stainless	inches	mm	inches	mm	lbs
MembraneDrain subframe - 19.69" (0.5m)	96903	96918	-	-	3.62	92	9.7
MembraneDrain clamping device	96905 96913						0.9

Notes:

1. For H100-8/H100-10 channel information see page 106.



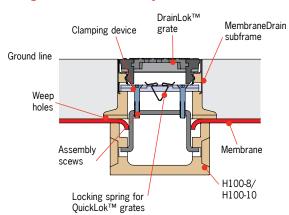
Clamping device



Membrane collects liquids that seep through surface materials.



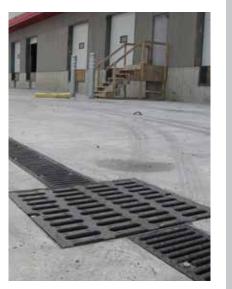
Section through MembraneDrain system



FlowDrain FG200 - 8" wide fiberglass system 112



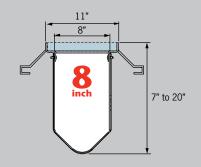
FG200 is an 8" wide fiberglass system with choice of steel slotted Class C (25 ton) or ductile iron Class E (60 ton) grates. Grates are bolted into the steel frame with 2 bolts per 18" section.

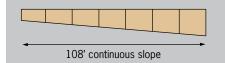


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FlowDrain - FG200

Key dimensions





Typical applications

- Parking lots & garages
- Airports
- Gas stations
- Industrial areas
- Commercial areas
- Internal applications

Selection criteria

ABCDE Light to heavy industrial duty loads



Product can be used towards LEED & EPA requirements



Resistant to many everyday chemicals. Check page 139





Multiple grate options to meet legal requirements







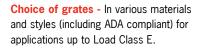
Increased hydraulic capacity

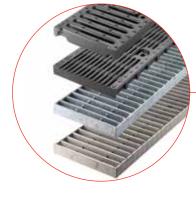


Constant depth and/or sloped depth channels ACO DRAIN FlowDrain - FG200

FlowDrain features

Bolted grates - FG200 grates are lockable with two ½" - 13 x 1½" bolts fixing directly into steel frame at 18" (457mm) intervals.





Interconnecting end profiles - Allow easy and effective joining of channels. Sealant can be used to create sealed joints.

Bracing blocks - Supplied to brace deeper channels during concrete pour, details on how to position are shown on a sticker on each channel.

FG200 8" internal width

Nelson studs - Attached to frame, act as concrete anchors to secure channels into concrete surround.



Direction arrows - Sticker on side of channel indicates flow direction and ensures channels are installed correctly.

Sloped (1.0%) channel units - 9' (2.75 meter) long units provide 108' (32.9 meter) continuous slope. Equates to ½" fall per linear foot. Four constant depth channels extend run lengths. Four 3' (0.915 meter) units and accessories also available.



Installation brackets - Provide simple and easy installation using No. 4 or 5 rebar.



Choice of steel frame - Provides grate support and protects channel edge from damage. Available in black coated, galvanized and stainless steel.

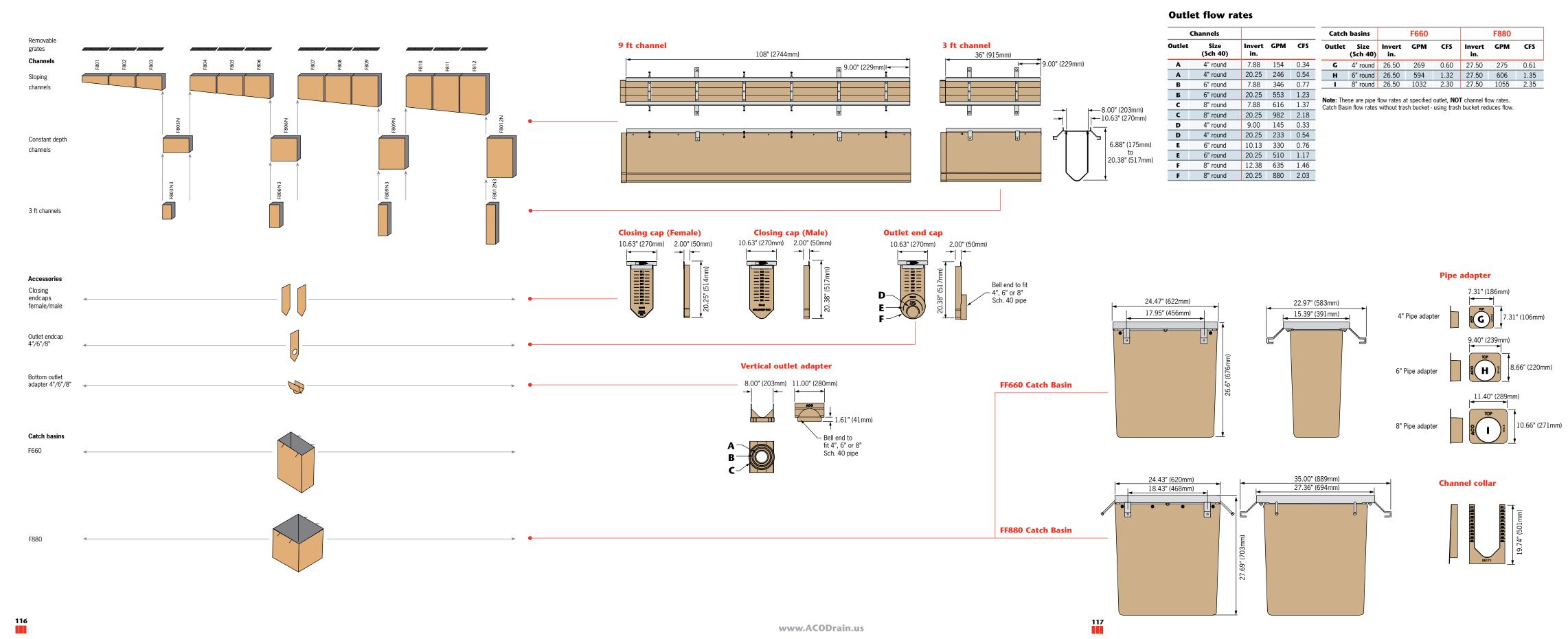
Fiberglass - A lightweight material that is made from polyester resin binder reinforced by glass matting and fibers.

See page 136 for material properties.

ACO DRAIN

FlowDrain - FG200

System layout



Vertical outlet adapter

anywhere along channel.



4", 6" or 8"

Schedule

40 vertical

outlet adapter

polypropylene.

Can be secured to underside of channel

6" or 8" Schedule 40 pipe. Can be used

vertical bell end for easy attachment to 4",

manufactured from

3 ft channels

Constant depth channels in 4 depths to supplement the 9' channels for easier layouts. Choice of 3' black coated, stainless or galvanized steel frame connects to channel body using simple snap-fit studs.

Male closing cap

Female closing cap

female end of channel.

choice of black coated,

stainless or galvanized

Fits inside shallow/

Manufactured from

polypropylene with

steel end frame.

Guides aid cutting

flexible sealant.

Fits outside deep/male end

of black coated, stainless

or galvanized steel end rail.

Guides aid cutting to correct

height. Seal using appropriate

flexible sealant.

to correct height. Seal using appropriate

of all channels. Manufactured from polypropylene with choice



Outlet cap Fits outside deep/male end of all channels. Manufactured from polypropylene with choice of black coated, stainless or galvanized steel end rail. Guides aid cutting to correct height. Seal using appropriate flexible sealant. Bell end connection to fit 4", 6" or 8" Schedule 40 pipes.

Note: For depth 801-804 of the bell end to ensure

channels ACO recommends removal of unused sections using appropriate flexible sealant to provide adequate pavement material

F660 & F880 catch basins

One piece fiberglass catch basins with choice of black coated, stainless or galvanized steel frame, lockable steel bar or ductile iron slotted grate and plastic trash bucket.

Accessories include 4", 6" and 8" Schedule 40 pipe adapters and channel collars to connect channel to catch basin.

See page 121 for details.

ACO DRAIN

FG200 Parts table	Part No.		Invert	Depth		(Overall	Depth	1	Vol	Wgt
		Inc	hes	m	m	Inc	hes	m	m	Gal	lbs
		female	male	female	male	female	male	female	male		
F801 Sloped channel - 108" (2.75m)	99006	6.75	7.88	172	200	6.88	8.01	175	203	18.37	11.0
F802 Sloped channel - 108" (2.75m)	99013	7.88	9.00	200	229	8.01	9.13	203	232	22.58	12.0
F803 Sloped channel - 108" (2.75m)	99021	9.00	10.13	229	257	9.13	10.26	232	260	26.79	13.0
F803N Constant depth channel - 108" (2.75m)	99048	10.13	10.13	257	257	10.26	10.26	260	260	28.80	15.5
F803N3 Constant depth channel - 36" (0.915m)		10.13	10.13	257	257	10.26	10.26	260	260	9.60	5.2
F804 Sloped channel - 108" (2.75m)	99055	10.13	11.25	257	286	10.26	11.38	260	289	31.00	14.1
F805 Sloped channel - 108" (2.75m)	99062	11.25	12.38	286	314	11.38	12.51	289	318	35.21	15.2
F806 Sloped channel - 108" (2.75m)	99071	12.38	13.50	314	343	12.51	13.63	318	346	39.42	16.3
F806N Constant depth channel - 108" (2.75m)		13.50	13.50	343	343	13.63	13.63	346	346	41.50	16.3
F806N3 Constant depth channel - 36" (0.915m	99084	13.50	13.50	343	343	13.63	13.63	346	346	13.83	5.5
F807 Sloped channel - 108" (2.75m)	99109	13.50	14.63	343	371	12.63	14.76	346	375	43.63	17.4
F808 Sloped channel - 108" (2.75m)	99116	14.63		371	400	14.76	15.88	375	403	47.84	18.5
F809 Sloped channel - 108" (2.75m)	99123	15.75	16.87	400	429	15.88	17.00	403	432	52.05	19.6
F809N Constant depth channel - 108" (2.75m)		16.87		429	429	17.00	17.00	432	432	54.10	19.6
F809N3 Constant depth channel - 36" (0.915m	99132	16.87	16.87	429	429	17.00	17.00	432	432	18.00	6.5
F810 Sloped channel - 108" (2.75m)	99156	16.87		429	457	17.00	18.13	432	460	56.26	20.7
F811 Sloped channel - 108" (2.75m)	99162			457	486	18.13		460	489	60.47	21.8
F812 Sloped channel - 108" (2.75m)	99175	19.13		486	514		20.38	489	518	64.68	23.0
F812N Constant depth channel - 108" (2.75m)				514	514	20.38		518	518	66.76	23.0
F812N3 Constant depth channel - 36" (0.915m)		20.25	20.25	514	514	20.38	20.38	518	518	22.25	7.7
Black coated steel frame - 108" (2.75m)	97066	-	-	-	-	-	-	-	-	-	57.9
Black coated steel frame - 36" (0.915m)	98524	-	-	-	-	-	-	-	-	-	19.3
Galvanized steel frame - 108" (2.75m)	97079	-	-	-	-	-	-	-	-	-	57.9
Galvanized steel frame - 36" (0.915m)	98538	-	-	-	-	-	-	-	-	-	19.3
Stainless steel frame - 108" (2.75m)*	97087	-	-	-	-	-	-	-	-	-	57.9
Stainless steel frame - 36" (0.915m)*	98545	-		-		-		-	-		19.3
Closing cap (female) with black end frame	98365	-	-	-	-		20.38	518	518	-	1.1
Closing cap (female) with galv. steel end frame	98386	-	-	-	-	20.38		518	518	-	1.1
The same of the sa		_	_	-	-	20.38	20.38	518	518	-	1.1
Closing cap (female) with S/S end frame	98375	-									1.3
	98363	-	-	-	-		20.38	518	518	-	
Closing cap (female) with S/S end frame Closing cap (male) with black end frame Closing cap (male) with galv. steel end frame	98363 98382		-	-	-	20.38	20.38	518	518	-	1.3
Closing cap (female) with S/S end frame Closing cap (male) with black end frame Closing cap (male) with galv. steel end frame Closing cap (male) with S/S end frame	98363 98382 98372	- - -	-	-	-	20.38 20.38	20.38 20.38	518 518	518 518	-	1.3 1.3
Closing cap (female) with S/S end frame Closing cap (male) with black end frame Closing cap (male) with galv. steel end frame Closing cap (male) with S/S end frame Outlet cap (male) with black end frame	98363 98382 98372 98361	- - - 20.25	20.25	- - 514	- - 514	20.38 20.38 20.38	20.38 20.38 20.38	518 518 518	518 518 518	-	1.3 1.3 1.8
Closing cap (female) with S/S end frame Closing cap (male) with black end frame Closing cap (male) with galv. steel end frame Closing cap (male) with S/S end frame Outlet cap (male) with black end frame Outlet cap (male) with galv. steel end frame	98363 98382 98372 98361 98381	20.25 20.25	20.25	514 514	514 514	20.38 20.38 20.38 20.38	20.38 20.38 20.38 20.38	518 518 518 518	518 518 518 518	-	1.3 1.3 1.8 1.8
Closing cap (female) with S/S end frame Closing cap (male) with black end frame Closing cap (male) with galv. steel end frame Closing cap (male) with S/S end frame Outlet cap (male) with black end frame	98363 98382 98372 98361	- - - 20.25	20.25 20.25	- - 514	- - 514	20.38 20.38 20.38 20.38 20.38	20.38 20.38 20.38	518 518 518	518 518 518	-	1.3 1.3 1.8

- 1. Invert depths are for the channel body & frame assembled.
- 2. Channel weights are for fiberglass body only.
- 3. Closing/Outlet caps can be cut down to suit all channels.
- 4. Add 2" to length of each channel for female joining flange (only applicable at shallowest end of trench run).
- 5. Frames supplied with plastic snap-fit studs for connecting to fiberglass body.
- 6. See page 122 for grate details.
- * Grade 304 stainless steel frames, ACO recommends the use of non-galvanized grates with stainless steel frames to avoid galvanic corrosion.

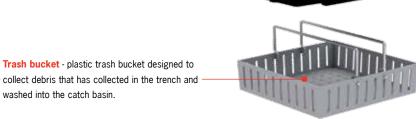
Fiberglass catch basins

Fiberglass catch basins are available with a variety of frames and grates. Channel collars are available to connect all depths of channel on any side of the catch basin. Pipe adapters are available to allow inlet/outlet pipe connections at any position on the

F660 catch basin



Grates - a choice of galvanized or stainless steel bar or slotted ductile iron grates, locked in place with 2 bolts. See page 123.



F880 catch basin

Frame - coated black, galvanized or stainless steel frame attached to catch basin body with snap-fit studs.

Trash bucket - plastic trash bucket designed to

washed into the catch basin.

Catch basin body - fiberglass body in choice of 2 sizes.

Channel collar - adapter to enable smooth transition of any depth FG200 channel on any side. Can be cut to correct height.

Pipe adapter - plain end adapter to allow inlet or outlet pipes to be easily attached to the outer wall of catch basin at any position. Available for 4", 6" and 8" Schedule 40 pipes.



Parts table - FG200 Catch basins	Part	Volume	Weight
Tures tubic 19200 cutch bushis	No.	Gallons	lbs
F660 catch basin - 24" x 12"	98069	27.00	22.0
F660 black coated steel frame	97995	-	13.8
F660 galvanized steel frame	98008	-	14.4
F660 stainless steel frame*	98013	-	14.4
F660 plastic trash bucket	98067	-	5.0
F880 catch basin - 24" x 24"	98075	55.00	22.0
F880 black coated steel frame	98021	-	23.2
F880 galvanized steel frame	98034	-	24.2
F880 stainless steel frame*	98048	-	24.2
F880 plastic trash bucket	98059	-	8.4
FG200 channel/catch basin adapter	98171	-	1.1
4" pipe plain end adapter	97425	-	0.4
6" pipe plain end adapter	97438	-	0.6
8" pipe plain end adapter	97444	-	0.9
* Od. 204 staintan start forms			

^{*} Grade 304 stainless steel frames.

www.ACODrain.us

ACO recommends use of non-galvanized grates with stainless steel frames to avoid galvanic corrosion.

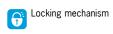
ACO DRAIN FlowDrain - FG200

Available FG200 grates

Des	cription	Part No.	Length inches <i>(m)</i>	Slot Size inches	Intake area sq. in.	Wgt Ibs	6	E		SAFE	₽	K	
C	🛵 Load Class	C - 56,	000lbs - EN	1433	968p	si							Commercial vehicle
Ba	r steel												
	vanized ¹	93899 93891	36" (0.9m) 36" (0.9m)	1.0 x 3.6	264.0	28.6	Bolt	×	×	×	~	54.3 61.0	
				* Grade 304 st	ainless st	eel.							
E	Load Class	E - 135	,000lbs - EN	1433	2,32	1psi							Industrial
Slo	otted iron												
Iron	3	93896	18" (0.45m)	0.61 x 7.87	58.7	25.2	Bolt	×	×	×	×	29.0	
				Ductile iron to This grate com							est.		
Lo	ngitudinal i	ron											
Iron	3	93893	18" (0.45m)	1.75 x 0.25	35.0	28.2	Bolt	~	~	~	~	31.9	20,000 Frod to

- 1. Supplied with 4 galvanized steel socket head bolts ($\frac{1}{2}$ " 13 x $1\frac{1}{2}$ ") replacement part 93895.
- 2. Supplied with 4 stainless steel socket head bolts (½" 13 x 1½") replacement part 93897.
- 3. Supplied with 2 stainless steel hex head bolts (1/2" 13 x 11/2") replacement part 93892.







Heel safe equal or less than 0.25" Heel sate equal or 1002 (6.5mm) (**Page 140**)



200,000lb proof load compliant (Page 128)



Compliant with Americans with Disabilities Act of 1990 Section 4.5.4 (Page 140)

Ductile iron to ASTM A 536-84 - minimum grade 64-45-12. This grate complies with RR-F-621E '200,000lb proof load' test.

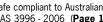


Bicycle Safe compliant to Australian Standard AS 3996 - 2006 (Page 140)





ASME A112.6.3 - 2001 Heel resistant ASME A112.6.3 - 2001 Fleet resister less than 0.31" (8mm) (**Page 140**)





Anti-slip grates - BPN over 24 (Page 140)

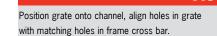
Bolted grates

Bolted FG200 grates offer mechanical, secure fixing of grates into the channel frame. Two bolts per 18" grate section lock into cross bars in the steel frame. Care must be taken to ensure that all bolts are secure and are not overtightened which can damage the frame.











Using wrench or socket set to tighten. If using a torque wrench do not set to more than 15 ft. lbs.



To remove grates use wrench or socket set. Carefully store bolts for refitting of grates.

Available F660 grates

	Description	Part No.	Length inches (m)	Slot Size inches	Intake area sq. in.	Wgt lbs	6	E	N	SAFE	₫	K	
C & Load Class C	- 56,000lbs - EN 1	433	739psi					Com	mer	cial	veh	icle	
	Bar steel												
	Galvanized ¹ Stainless* ²	97443 97442	24" (0.6m) 24" (0.6m)	1.0 x 3.3	267.0		Bolt	×	×	×	~	54.3 61.0	É
				* Grade 304 sta	ainless ste	el.							
E 📙 Load Class E	- 135,000lbs - EN1	433	1,773ps							lno	dust	rial	
	Slotted iron												
	Iron ³	97449	24" (0.6m)	1.2 x 6.1 avg							~	31.0	•
р ц 009 3 83				Ductile iron to A	ASTM A 53	36-84 - m	inimum	grade	e 64-4	5-12			

Available F880 grates

	Description	Part No.	Length inches (m)	Slot Size inches	Intake area sq. in.	Wgt lbs	G :	F	N	SAFE	₩	K
C & Load Class C	- 56,000lbs - EN 1	433	739psi					Com	mer	cial	veh	icle
	Bar steel											
	Galvanized ¹ Stainless* ²	97452 97455	24" (0.6m) 24" (0.6m)	1.0 x 3.3 * Grade 304 st	456.0	63.8	Bolt	×	×	×	~	54.3 6 1.0
E 😓 Load Class E	- 135,000lbs - EN1	433	1,773psi		alliless ste	ei.				Inc	lust	rial
	Slotted iron		-,,									
	Iron ³	97453	24" (0.6m)	1.2 x 5.5	226.0	206.0	Bolt	×	×	×	•	23.8
				Ductile iron to	ASTM A 5	36-84 - m	inimum	grade	e 64-4	5-12		

- 1. Supplied with 2 galvanized steel socket head bolts (½" 13 x 1½") replacement part 93895.
- 2. Supplied with 2 stainless steel socket head bolts (½" 13 x 1½") replacement part 93897.
- 3. Supplied with 2 stainless steel hex head bolts ($\frac{1}{2}$ " 13 x $1\frac{1}{2}$ ") replacement part 93892.