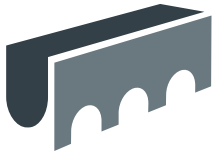


NEW
PRODUCTS



QUICK-TRENCH™

Pre-Sloped Drainage System



The Easiest Trench Drain System to Install!

An innovative, new system designed to simplify linear drain installations under finished concrete, pavers, decking, or other hard surfaces.

Patented pre-sloped 6", 12", and shallow trench drainage systems.

- Quick Assembly
- Easy-to-install
- Heavy Duty Grates
- Industrial Applications
- Modular Components
- Chemical Resistant
- PVC Outlets
- Uniform Level Exterior
- Sloped Interior
- Multiple Grate Options

QUICK 6

QUICK 12

SHALLOW TRENCH

Introducing our New Products

NEW!



Quick 6 45 Degree Assemblies

Turn a 90 degree corner with two 45 degree channel options.

NEW!



Quick 6 Tee Assembly

Our smaller Tee connectors allow greater build flexibility.

Quick-Trench Features and Advantages



Angles Available!

Our new 45 Tees allow more customized installations to accommodate more angles.



Heavy Duty

The ductile iron grate Quick-Trench products provide pedestrian through super heavy-duty weight bearing capability.



Architecturally Balanced

Quick-Trench fits into the look of the surrounding surface providing form and function.



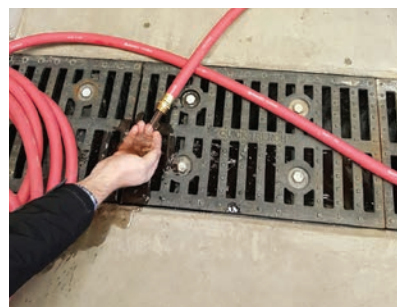
East to Install

Channels are light weight, making installation a one man job.



Multiple Grate Options

Grates available in galvanized and stainless steel to accommodate many applications.



More Drainage

12" heavy duty grates available.

Quick 6 Pre-Sloped Drainage System

Specification Detail: Quick-Trench channels are 1 meter (39.4 in) 2.2 Kg (5 lb) polypropylene composite sections with uniform exterior and 0.5% sloped or neutral interior full radius bottom for efficient liquid drainage. Channels mate to adjacent sections via integral ears, clips, and 25 mm (1 in) overlapping tongue. Each channel contains 4 receptacles for fixation to #3 rebar via wire or cable tie. Up to 15 meter (49.2 ft) sloped drainage run is possible to a single end point. Up to 30 meter (98.4 ft) sloped drainage run is possible to a center collection point. Neutral channels are available to extend run lengths or where level trench drain is desired. Channels have staggered semi-circular cutouts on each side at bottom to enable concrete flow under legs.

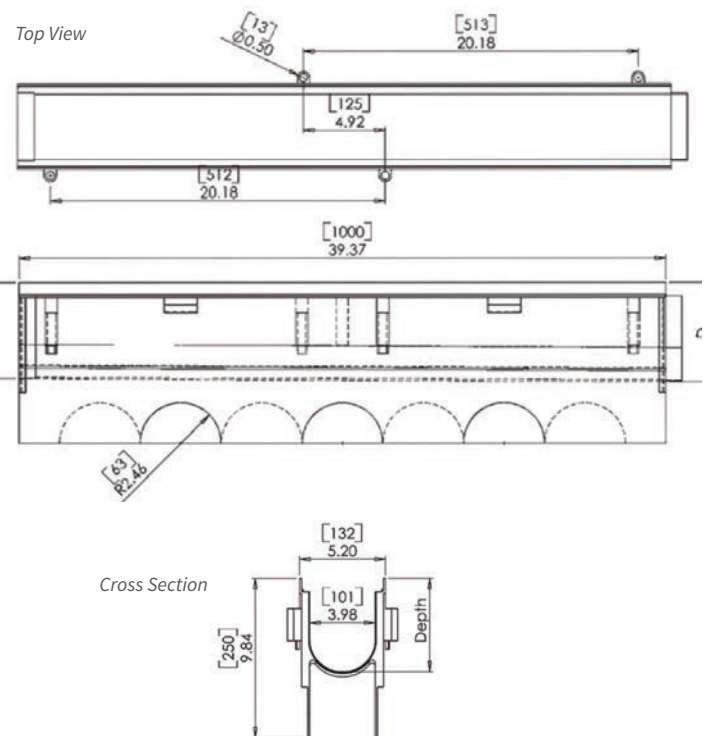
Drainage options include bottom outlet, end outlet, or catch basin. Bottom and end outlet fittings in PVC are sized to accept 3 in or 4 in pipe. Bottom and end outlet fittings are available in PP where chemical resistance is needed. End fittings are universal fit and field trimmed to appropriate height. Grating options include ductile iron, galvanized, stainless steel, and plastic with lock down feature to secure grate to channel. Grate load ratings are available to suit nearly any application and may be specified ADA compliant. Refer to Trench Channel Table below for upstream (U) and downstream (D) depths from top of channel.

Trench Channel Table

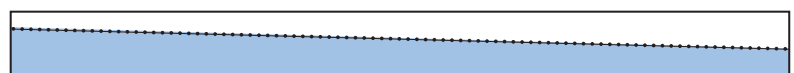
Product Code	Channel	U (in.)	D (in.)
Q6-1000N	150150	5.90	5.90
Q6-1001	150155	5.90	6.10
Q6-1002	155160	6.10	6.29
Q6-1003	160165	6.29	6.49
Q6-1004	165170	6.49	6.69
Q6-1005	170175	6.69	6.89
Q6-1005N	175175	6.89	6.89
Q6-1006	175180	6.89	7.08
Q6-1007	180185	7.08	7.28
Q6-1008	185190	7.28	7.48
Q6-1009	190195	7.48	7.67
Q6-1010	195200	7.67	7.87
Q6-1010N	200200	7.87	7.87
Q6-1011	200205	7.87	8.07
Q6-1012	205210	8.07	8.26
Q6-1013	210215	8.26	8.46
Q6-1014	215220	8.46	8.66
Q6-1015	220225	8.66	8.85
Q6-1015N	225225	8.85	8.85

45 Degree Channel

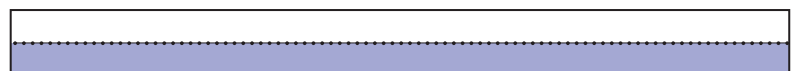
Q6-1000N-45	1504515045	5.90	5.90
Q6-1005N-45	1754517545	6.89	6.89
Q6-1010N-45	2004520045	7.87	7.87
Q6-1015N-45	2254522545	8.85	8.85
Q6-1000N-T	150T150T	5.90	5.90
Q6-1005N-T	175T175T	6.89	6.89
Q6-1010N-T	200T200T	7.87	7.87
Q6-1015N-T	225T225T	8.85	8.85



Channel Section Layout Options



Continuous Slope Attach sloped channel sections so that downstream (D) matches upstream (U) end. This provides continuous slope for the drain. Maximum run length in this configuration is 15 meters in one direction.

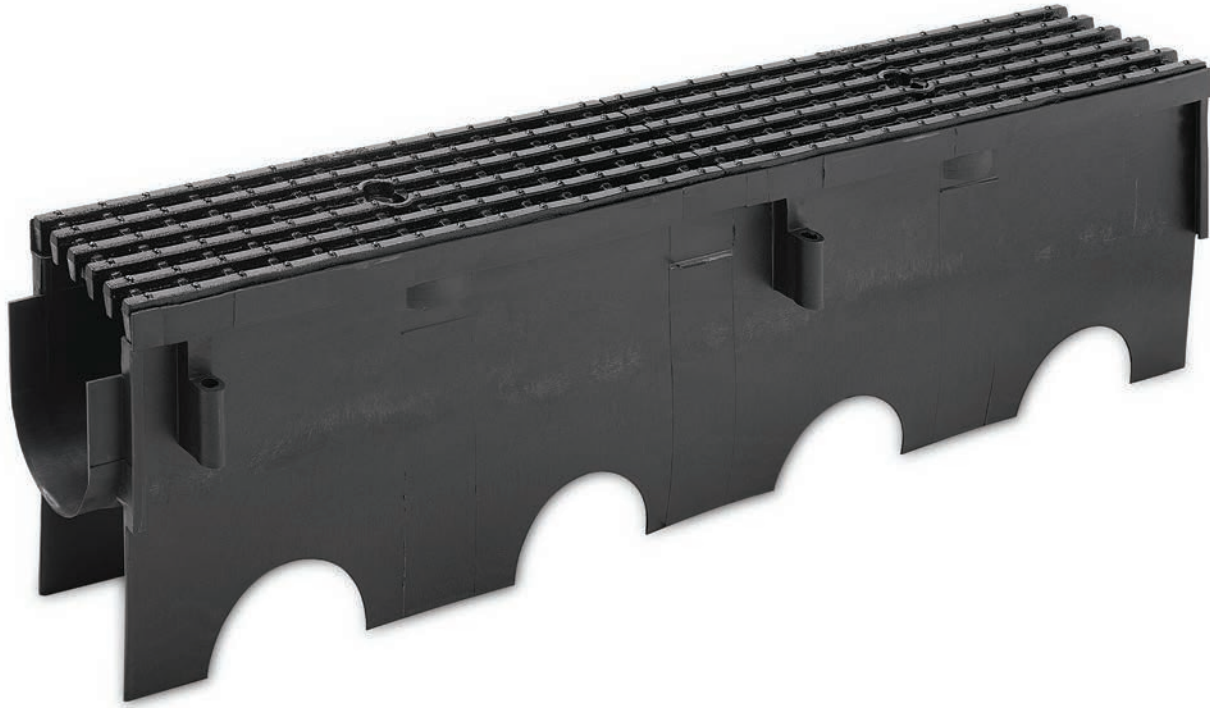


No Slope / Neutral Choose neutral channel sections Q6-1000N, Q6-1005N, Q6-1010N, or Q6-1015N. Maximum run length in this configuration is unlimited. Multiple bottom drains may be located anywhere along the run length.



Stepped Fall Select a combination of sloped and neutral channel sections. This enables a continuous run of more than 15 meters by using neutral channel sections interspersed with sloped channel sections.

Quick 6 Grates



Quick 6 Polypropylene Grates

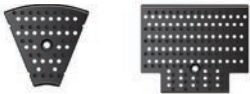


Pedestrian Traffic

Product Code	Grates	Length (m)	Duty		Free area m/sq. in./ft.	Wt. (lbs.)	Grate Lock
			ASME/ANSI	DIN			
Q6-ASPP5	Slotted Polypropylene	1/2	Light	A	3.2	0.70	Q6-HHLDG



Q6-APPP5	Perforated Polypropylene	1/2	Light	A	5.1	0.80	Q6-PHLDG
Q6-APPP45	45 Degree Perforated Polypropylene	-	Light	A	5.1	0.24	Q6-PHLDG
Q6-APPPT	Tee Perforated Polypropylene	-	Light	A	5.1	0.65	Q6-PHLDG



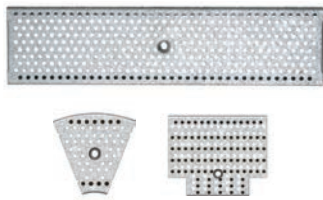
ADA Compliant

Q6-ALSPP5	Longitudinal Polypropylene	1/2	Light	A	15.5	1.40	Q6-PHLDG
Q6-ALSPP45	45 Degree Longitudinal Polypropylene	-	Light	A	15.5	0.20	Q6-PHLDG
Q6-ALSPPPT	Tee Longitudinal Polypropylene	-	Light	A	15.5	0.70	Q6-PHLDG



Quick 6 Grates

Quick 6 Steel and Iron Grates



Pedestrian Traffic

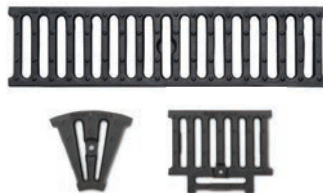
Product Code	Grates	Duty			Free area m/sq. in. /ft.	Wt. (lbs.)	Grate Lock
		Length (m)	ASME/ ANSI	DIN			
Q6-APG	Perforated Galvanized Steel	1	Light	A	7.3	5.2	Q6-PHLDG
Q6-APG45	Perforated Galvanized 45 Degree	-	Light	A	7.3	.42	Q6-PHLDG
Q6-APGT	Perforated Galvanized Tee	-	Light	A	7.3	.83	Q6-PHLDG
Q6-APS	Perforated Stainless Steel	1	Light	A	7.3	5.6	Q6-PHLDSS
Q6-APS45	Perforated Stainless Steel 45 Degree	-	Light	A	7.3	.42	Q6-PHLDSS
Q6-APST	Perforated Stainless Steel Tee	-	Light	A	7.3	.83	Q6-PHLDSS

Note: Perforated grates are all ADA compliant



Q6-ASG	Slotted Galvanized Steel Grating	1	Light	A	8.3	4.6	Q6-HHLDG
Q6-ASS	Slotted Stainless Steel	1	Light	A	8.3	5.1	Q6-HHLDSS

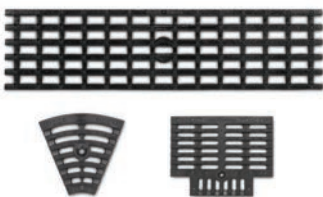
Heavy Duty H25 Class C



Q6-CSD5	Slotted Ductile Iron	1/2	Medium / Special	C,E	4.5	8.8	Q6-HHLDG
Q6-CSD45	Tee Slotted Ductile Iron 45 Degree	-	Medium / Special	C,E	4.5	2.0	Q6-HHLDG
Q6-CSDTEE	45 Degree Slotted Ductile Iron	-	Medium / Special	C,E	4.5	4.0	Q6-HHLDG



Q6-CSDG5	Slotted Galvanized Ductile Iron	1/2	Medium / Special	C,E	4.5	8.8	Q6-HHLDG
Q6-CSG	Slotted Galvanized Steel - Reinforced	1	Medium	C	8.3	6.6	Q6-HHLDG
Q6-CSS	Slotted Stainless Steel - Reinforced	1	Medium	C	8.3	7.1	Q6-HHLDSS



ADA Compliant - Heavy Duty H25 Class C

Q6-CLDG5	Longitudinal Ductile Iron	1/2	Special	C,E	19.5	1.0	Q6-HHLDG
Q6-CLDG45	45 Degree Longitudinal Ductile Iron	-	Special	C,E	19.5	2.0	Q6-HHLDG
Q6-CLDGT	Tee Longitudinal Ductile Iron	-	Special	C,E	19.5	4.0	Q6-HHLDG



Q6-CPG	Perforated Galvanized Steel - Reinforced	1	Medium	C	7.3	7.2	Q6-PHLDG
Q6-CPS	Perforated Stainless Steel - Reinforced	1	Medium	C	7.3	7.6	Q6-PHLDSS



Q6-CAD5	ADA Compliant Ductile Iron	1/2	Medium / Special	C,E	1.2	11.4	Q6-HHLDG
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Q6-DIR	Ductile Iron Overlay Rail	1/2	Special	E	N/A	8.3	-
Q6-DIR45	Ductile Iron Overlay Rail 45 Degree	-	Special	E	-	2.0	-
Q6-DIR-T	Ductile Iron Overlay Rail Tee	-	Special	E	-	4.0	-

Note: Ductile Iron load rating is C without Overlay Rail, E with Overlay Rail

Quick 6 Accessories

Product Code	Description	Outlet Size
Q6-HHLDG	Hex Head Locking Device, Galvanized	
Q6-HHLDSS	Hex Head Locking Device, Stainless Steel	
Q6-PHLDG	Phillips Head Locking Device, Galvanized	
Q6-PHLDSS	Phillips Head Locking Device, Stainless Steel	

Q6-SC-PVC	Starting End Cap, PVC	
Q6-SC-PP	Starting End Cap, Polypropylene	
Q6-OC-PVC	Outlet End Cap, PVC C 3" X 4"	
Q6-OC-PP	Outlet End Cap, Polypropylene	3" X 4"

Q6-BO-PVC	Bottom Pipe Outlet, PVC	3" X 4"
Q6-BO-PP	Bottom Pipe Outlet, Polypropylene <i>- Bottom outlet can be positioned on any channel.</i>	3" X 4"
Q6-FC-PP	Top Finish Cap, Polypropylene	
Q6-FC-PVC	Top Finish Cap, PVC	

Q6-CB-PP	Catch Basin, Polypropylene	
Q6-GSB	Galvanized Sediment Bucket	
Q6-SSSB	Stainless Steel Sediment Bucket	

Q6-CS-PP	Quick Clip <i>- Secures channels together. - Secures endcaps to channels. - Secures catch basin to channels.</i>	
Q6-PBRD-PVC	Pour Board <i>- Use pour boards to maintain grate width of the channel during concrete pour.</i>	

Grate Down Locks



Hex Head Locking Device



Phillips Head Locking Device

Endcaps



Starting End Cap



Starting End cap



Outlet End cap

Outlets and Caps



Bottom Pipe Outlet



Bottom Outlet



Finish Cap Shown on White Outlet

Catch Basin and Sediment Buckets



Catch Basin



Sediment Bucket

Quick Clip



Quick Clip

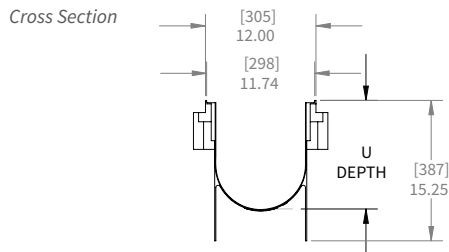


Pour Board

Quick 12 Pre-Sloped Drainage System

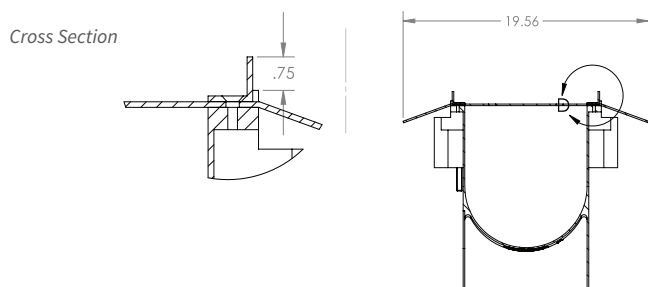
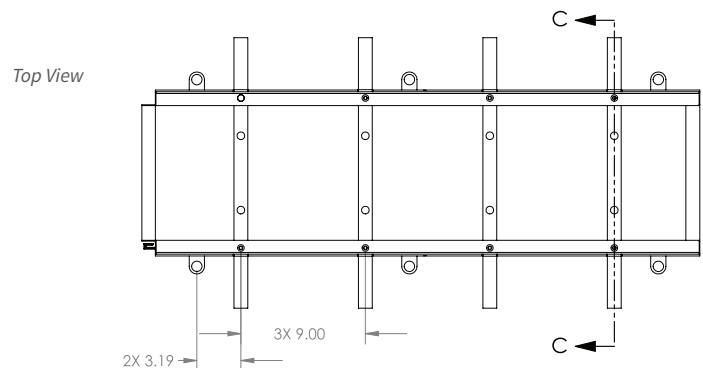
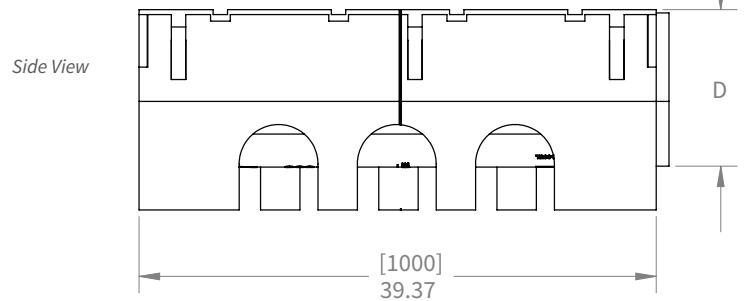
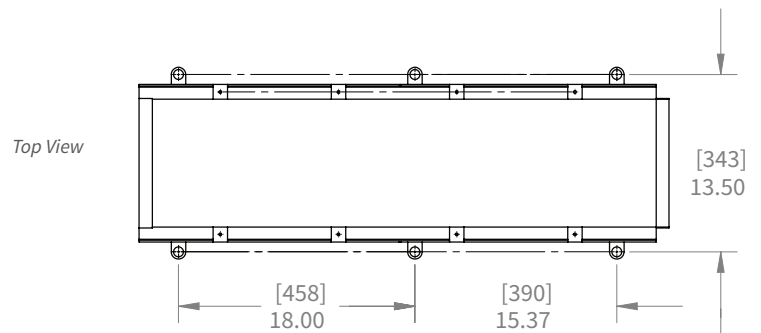
Specification Detail: Quick-Trench Channels are 1 meter (39.4 in) polypropylene composite sections with uniform exterior and 0.5% sloped of neutral interior full radius bottom for efficient liquid drainage. Channels mate to adjacent sections via integral ears, clips, and 25 mm (1 in) overlapping tongue. Each channel contains 6 receptacles for fixation to rebar via wire or cable tie. Up to 12 meter (39.6 ft) sloped drainage run is possible to a single end point. Up to 24 meter (79.2 ft) sloped drainage run is possible to a center point collection point. Neutral channels are available to extend run lengths or where level trench drain is desired. Channels have staggered

semi-circular cutouts on each side at bottom to enable concrete flow under legs. Drainage options include bottom outlet, end outlet, basin outlet, or catch basin. Bottom and end outlet fittings in PVC are sized to accept 4 and 6 in pipe. Bottom and end outlets fittings are available in PP where chemical resistance is needed. End fittings are universal fit and field trimmed to appropriate height. Grating options include ductile iron standard and heavy duty rating, secured to frame assembled to channel. Grate load ratings are available in classes A-F. Refer to channel table for upstream (U) and downstream (D) depths from top of channel.

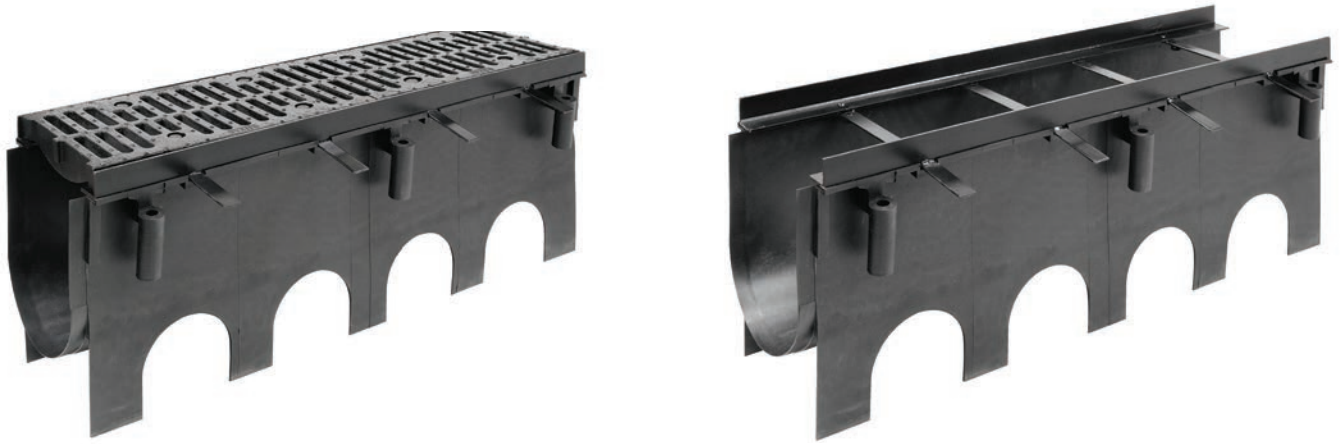


Trench Channel Table



Product Code	Channel	U (in.)	D (in.)
Q12-2001N	241241	9.49	9.49
Q12-2001	240245	9.49	9.68
Q12-2002	245250	9.68	9.87
Q12-2003	250255	9.87	10.06
Q12-2004N	255255	10.06	10.06
Q12-2004N-45	- COMING SUMMER 2016 -		
Q12-2004	255260	10.06	10.25
Q12-2005	260265	10.25	10.44
Q12-2006	265270	10.44	10.63
Q12-2007	270275	10.63	10.82
Q12-2008N	275275	10.82	10.82
Q12-2008N-45	- COMING SUMMER 2016 -		
Q12-2008	275280	10.82	11.01
Q12-2009	280285	11.01	11.20
Q12-2010	285290	11.20	11.39
Q12-2011	290295	11.39	11.58
Q-12-2012N	295295	11.58	11.58
Q12-2012	295300	11.58	11.70



Quick 12 Grates & Accessories



Quick 6 Steel and Iron Grates

	Product Code	Description	Duty			Free Area/ Meter	Weight (lbs.)
			Length (m)	ASME/ANSI	DIN		
	Q12-SDIG	Standard Ductile Iron Grate	1/2	Standard	A-D	145.28	55
	Q12-HDDIG	Heavy Duty Ductile Iron Grate	1/2	Heavy	E	145.28	60
	Q12-SHDDIG	Super Heavy Duty Ductile Iron Grate	1/2	Super	F	145.28	66

Quick 12 Accessories

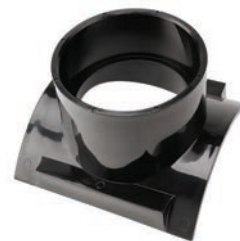
Product Code	Description
Q12-SC-PP	Starting End Cap Polypropylene
Q12-SC-PVC	Starting End Cap PVC
Q12-6-OC-PP	6" Outlet End Cap Polypropylene
Q12-6-OC-PVC	6" Outlet End Cap PVC
Q12-4-OC-PP	4" Outlet End Cap Polypropylene
Q12-4-OC-PVC	4" Outlet End Cap PVC
Q12-6-BO-PP	6" Bottom Outlet Pipe Polypropylene
Q12-6-BO-PVC	6" Bottom Outlet Pipe PVC
Q12-4-BO-PP	4" Bottom Outlet Pipe Polypropylene
Q12-4-BO-PVC	4" Bottom Outlet Pipe PVC
Q12-FC-PP	Finish Cap Polypropylene
Q12-FC-PVC	Finish Cap PVC
Q12-CS-PP	Quick Clip Polypropylene
Q12-AIF	Ductile Iron Frame



Starting End Cap



Outlet End Cap



4" Bottom Outlet



6" Bottom Outlet



Quick Clip



Ductile Iron Frame

Shallow Trench Drainage System

Specification Detail: Quick-Trench channels are 1 meter (39.4 in) polypropylene composite sections with uniform exterior and 0.5% sloped or neutral interior full radius bottom for efficient liquid drainage. Channels mate to adjacent sections via integral ears, clips, and 25 mm (1 in) overlapping tongue. Each channel contains 4 receptacles for fixation to #3 rebar via wire or cable tie. Up to 30 meter (98.4 ft) sloped drainage run is possible to a center collection point. Neutral channels are available to extend run lengths or where level trench drain is desired. Channels have staggered semi-circular cutouts on each side at bottom to enable concrete flow under legs. Drainage options include bottom outlet, end outlet, or catch basin.

Bottom and end outlet fittings in PVC are sized to accept 3 in or 4 in pipe. Bottom and end outlet fittings are available in PP where chemical resistance is needed. End fittings are universal fit and field trimmed to appropriate height. Grating options include ductile iron, galvanized, stainless steel, and plastic with lock down feature to secure grate to channel. Grate load ratings are available to suit nearly any application and may be specified ADA compliant. Refer to Trench Channel Table for upstream (U) and downstream (D) depths from top of channel.



Shallow Trench Channel

Shallow Trench Channel

Product Code	Channel	U (in.)	D (in.)
Q3-Channel	7373	2.875	2.875
Q3-Channel-45	- COMING SUMMER 2016 -		

Shallow Trench Accessories

Product Code	Description
Q3-SEC	Starting End
Q3-OEC	Outlet End
Q3-BPO	Bottom Outlet
Q3-CS-PP	Quick Clip
Q3-LDG	Locking Device Galvanized
Q6-PBRD-PVC	Pour Board - Use pour boards to maintain grate width of the channel during concrete pour.



Starting End



Outlet End



Bottom Outlet



Quick Clip



Shallow Locking Device

Pour Board



Quick-Trench Assembly - Q6, Q12 & Shallow Trench

Assembly Notes

1. Start trench layout from lowest point to highest point of area. The section containing the outlet will be your starting channel.
2. Determine drainage channel run length.
3. Determine type of slope necessary - continuous, stepped, or neutral.
4. Continuous fall (slope) in one direction over 15 meters will require stepped fall.
5. Step fall is achieved by using a series of neutral channel sections interspersed with sloped channel sections (i.e. 1000N, 1001, 1002, 1003, 1004, 1005, 1005N, 1006...1010, 1010N).
6. Layout run(s) in sequential order from the lowest point to the highest point.
7. Identify the starting upstream and ending downstream channel and assemble Starting End Cap(s) SC and Outlet End Cap(s) OC. The flow arrows, located under the channels, always point towards the Outlet End.
8. Use the Quick Clips over the mounting brackets and apply appropriate sealant on tongue and recessed areas. (Figure 1 & 2).
9. Starting End Cap(s) are fastened to the channels upstream end and Outlet End Cap(s) to the channels downstream end. To measure for end cap fit, slide end cap into tongue and recess portion of the channel it is being assembled to. Mark the end cap level with the grate ledge! (Not the top of the channel). **FOR OVERLAY RAIL APPLICATIONS:** Measure and cut to suit the extra depth of rail! *Note: For Quick 12 series, measurements are made to the top of the frame and adjusted down 1/4" for the Finish Cap. Detailed instructions are available online at Quick-Trench.com or by request.* (Figure 3 & 4).
10. Bottom Outlets (BO) can be installed on any channel. Locate the lowest point on the pre-sloped channel and drill the appropriate sized hole for the chosen BO. We recommend using self-tapping screws for mounting along with a sealant. Once the outlet is positioned, screw through the channel skirt in to the boss area on the BO to secure during pour. Apply appropriate sealant around hole and saddle area of BO. (Figure 6 & 7).
11. Place the pre-assembled length of the run into your trench. Ensure that all Grate Lock Downs, or frames for Quick 12 series, are in place before pouring concrete. *Note: These cannot be installed later.*
12. Optionally for extra rigidity, you can install the Grate Locking devices and PVC Pour Boards before placing your Quick Trench Channel sections assembly in the prepared trench! Fig. 8 shows the installed Grate Locking device in place (before pour) and the optional 4.980" wide PVC Pour Board (reusable) which is offset to the Quick 6 channels joints.
13. Now you are ready to pour.

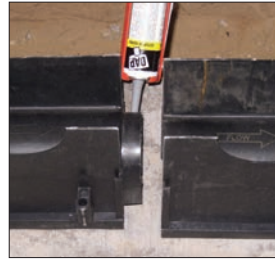


Figure 1

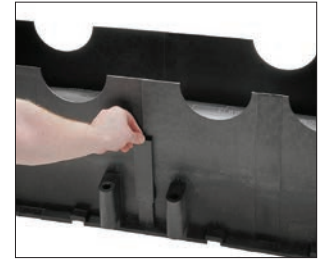


Figure 2



Figure 3

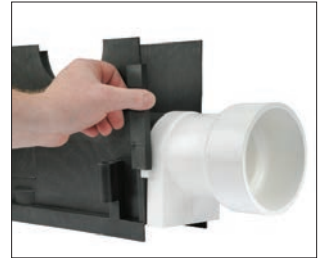


Figure 4

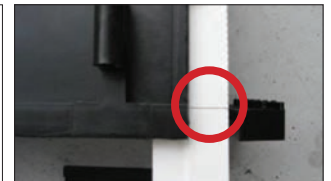


Figure 5 Sequence



Figure 6



Figure 7

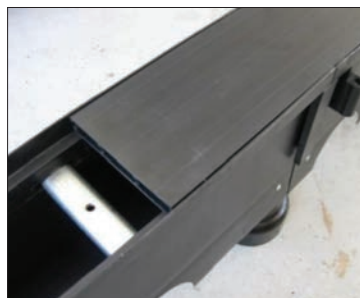


Figure 8



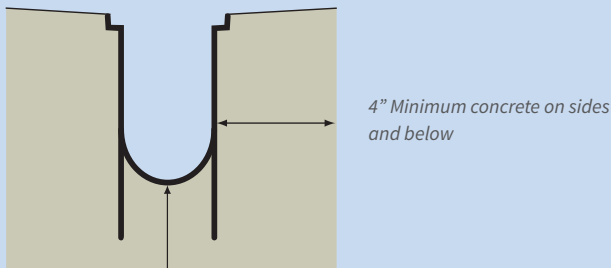
Figure 9

Detailed instructions are available online at www.quick-trench.com or by request.

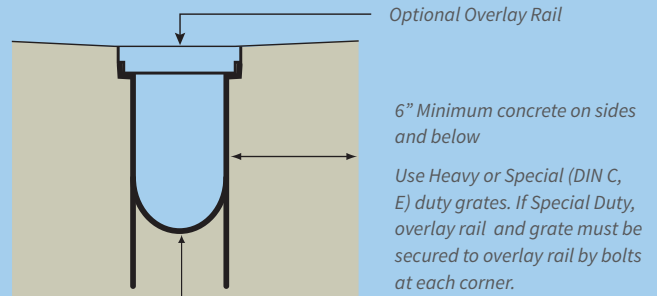
Quick 6 Concrete Plan

- Concrete to have minimum 28 day compressive strength of 3,000 PSI.
- Insert lock-down bars prior to pour.
- Concrete to be vibrated in place to eliminate entrapped air on all sides and bottom.
- Quick-Trench channels to be anchored via rebar to prevent flotation.
- Concrete to cure at least 24 hours prior to form removal.
- If required, install waterstops per manufacturer's instructions at least 3 inches below concrete surface.
- Waterstops and elastomeric joint sealants to be inspected and repaired on a regular basis.

Light and Medium Duty Grates (Din A, C)



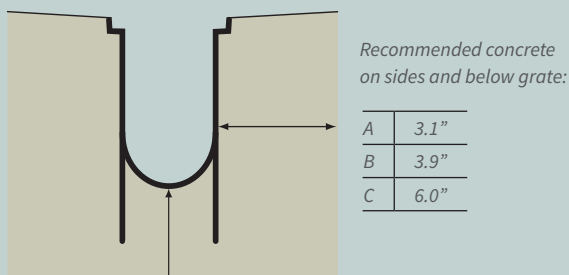
Heavy and Special Duty Grates (Din C, E)



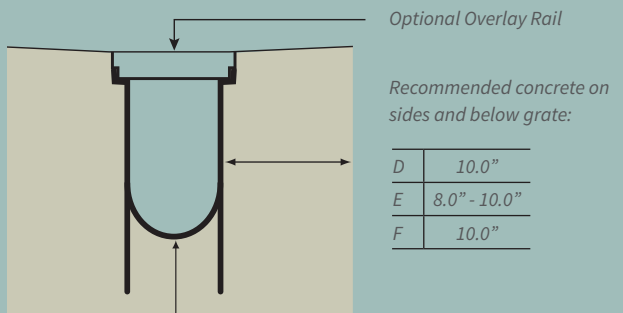
Quick 12 Concrete Plan

General installation requires frames to be in place and assembled in channels before/during cement pour. Defer to project engineer for any special requirements for channel installation. Diagram is for general purpose installations only.

Light and Medium Duty (Class A, B, & C)

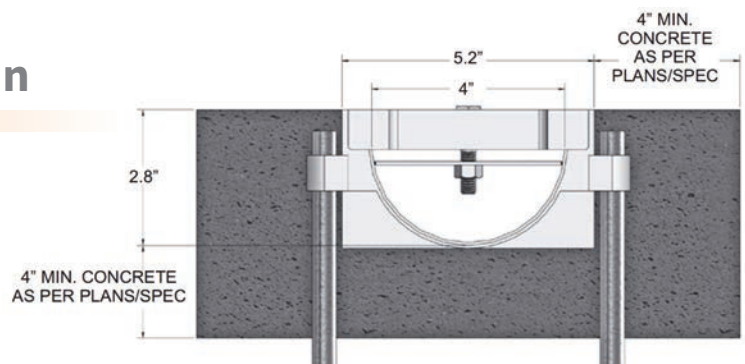


Heavy and Special Duty Grates (Class D, E, & F)



Shallow Trench Concrete Plan

Uses around pools, residential, kitchens, and sidewalk areas that require light drainage in shallow (2 7/8) excavations.



Design Factors to Consider

Review your requirements for the installation. There are several aspects to be considered in the design phase, including:

- What is the drainage channel run length?
- What type of slope is needed in the run?
- Where are the outlet drains needed?
- Is a catch basin needed at the end of the run?
- Is chemical resistance needed?
- What load category must be met for the finished installation?
- What type of grating is needed?



For more information, visit www.quick-trench.com, call 888-605-5275 or email info@quick-trench.com



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