P: 646-227-0910
info@swiftdrain.com

600 Quicksilver

Built to last. Designed with strength in mind.

The **600 Quicksilver** combines smart engineering and intuitive materials solving the toughest brewery drainage challenges. The pre sloped HDPE channels offers superior impact resistance suitable for handling a high load capacity and achieve maximum flow rates.

Stainless steel grates are designed to withstand caustic chemicals and high and low temperatures. Versatile, easy to assemble, strong, durable and tough. Drainage that lasts.

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Features:

- Easier handling and installation than concrete systems
- 0.7% pre-sloped channels maintain optimal flow rates
- HDPE material offers high chemical resistance and durability
- ProFit locking system locks grate to integral frame for stability
- Channels come numbered with arrows for easy install
- Components join together without couplers
- Drain from end of outlet or built-in bottom outlet
- Multiple channel depth and grate options available

When it comes to trench drains, this trench drain system is the most customizable and dependable. It's continually the go-to drainage solution for driveways, parking areas, warehouses, loading docks, pools, wash-down areas, athletic fields, and other areas that experience surface run-off. Durably made from HDPE, this system offers the strength of a concrete trench system without the costly installation. Instead, this modular system uses interlocking 0.7% sloped and neutral channels–no couplers required. Simply choose amongst its many design, color, and size options to create a custom trench drain system that meets the drainage needs of your residential, commercial, municipal, or industrial property.

Easy to Install

The lightweight modular components allow for easier handling and installation. Each channel has a tongue and groove connection with tabs that hold the channels together. In addition, the pieces are marked with numbers and arrows to avoid mistakes during install. LeveLoc™ re-bar supports on the side hold the rebar in place too.

The catch basin with optional trash bucket also locks in with the same tongue and groove connection. For this system, you only need screws to secure the grates and cap off the outlets that aren't in use. Compared to installing a traditional concrete system, installing this plastic trench drain system is budget-friendly and fast.

Grate Width:	6"
Thickness:	¾"
Sections:	24

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Your #1 Source for Trench Drain Products

Stainless Steel Grates

Grate Width:	6”
Thickness:	¾”
Sections:	24”
Class:	Medium duty
Material:	Stainless Steel
Open Area:	40 sq in / ft
Inflow:	50 GPM / FT
H20:	Yes

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Material	Manufactured from molded, structural foam HDPE with UV inhibitors.
Channel Sizes	48" length, 6" width, 3.998" to 12.062" inner depth range
Grate Sizes	24" length, 6" width
Grate Materials	Stainless Steel, Galvanized Steel, Cast Iron, Ductile Iron, Plastic (structural foam polyolefin
Grate Colors/Finishes	Metallic finishes, black, gray, white, green, sand, red
Load Class	Class A = 1-160 psi. Class B = 61-175 psi. Class C = 176-325 psi. Class D = 326-575 psi. Loads are based on encasing product in concrete and grate selection.
Strength	Material shall withstand a compressive strength of 2900 psi. Material tensile stress shall be 4550 psi and material flexural strength shall be 5800 psi.
Channel Weight Per Unit	Ranges between 7.452 lbs. for shallow channel to 16.06 lbs for deep channel.
Grate Weight Per Unit	Ranges between 2.92 lbs. for polyolefin to 16.0 lbs. for ductile iron.
Unique Product Features	Lower installed cost than polymer concrete. Fewer parts required.
Pre-Sloped Run Lengths	194 feet of continous slope 266 feet w/neutral sections added
Pipe Outlet Sizes	3", 4", 6", 8" Pipe.

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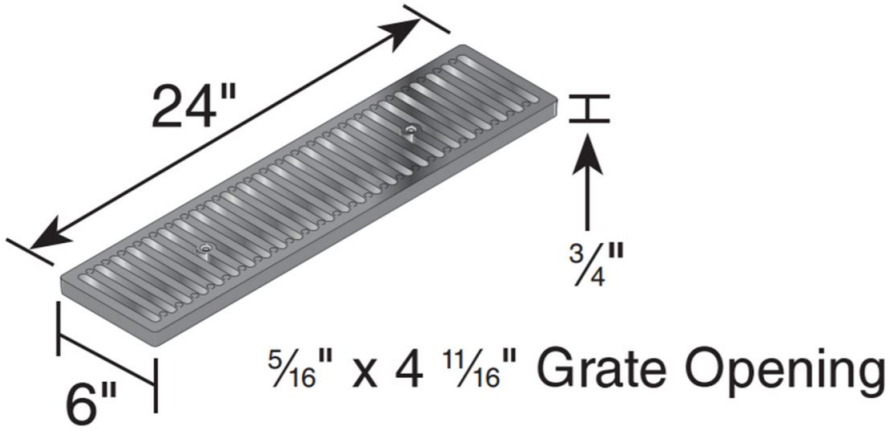
Grate Specifications



Width: 6”

Length: 24”

Thickness: ¾”

Material: Stainless Steel

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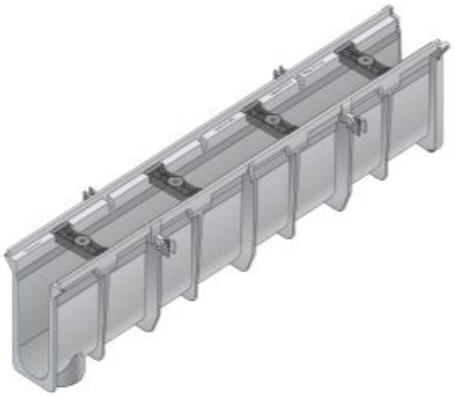
Channel Specifications



Channel Length	4' (48")
Channel Width (OD)	6-5/8"
Channel Width (ID)	4"
Outlet Sizes	4" S&D, 4" Sch. 40
Available Slope	0.7%
Max. Flow Rate	70 GPM, per foot

Load Recommendation Guide

Class D

- Loads of 326-575 psi.
- Recommended for heavy-duty hard tire forklifts at speeds less than 20 m.p.h., H-20 rated.

Note: Some installations may require a concrete collar to meet load rating. Loads are based on encasing product in concrete. Product must be installed using NDS instructions.

Each channel is pre sloped and comes numbered. Channels fasten with slip joints.

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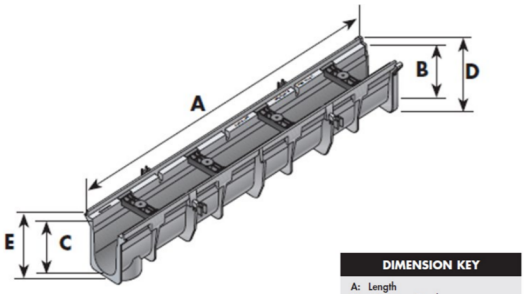
Channel Specifications



DIMENSION KEY

A: Length
B: Min. Inner Depth
C: Max. Inner Depth
D: Min. Outer Depth
E: Max. Outer depth

COMMON DIMENSION FOR ALL CHANNEL SECTIONS

F: Bottom Outlet Depth 0.65"
G: Width 6"
H: Re-bar Lock Width 10.185"

DIMENSIONS (INCHES)				
A	B	C	D	E
48"	3.998	3.998	5.354	5.760
48"	3.998	4.334	5.690	5.770
48"	4.334	4.334	5.692	6.103
48"	4.334	4.670	6.026	6.106
48"	4.670	5.006	6.362	6.442
48"	5.006	5.342	6.698	6.778
48"	5.342	5.342	6.700	7.111
48"	5.342	5.678	7.034	7.114
48"	5.678	6.014	7.370	7.450
48"	6.014	6.350	7.706	7.786
48"	6.350	6.350	7.708	8.119
48"	6.350	6.686	8.042	8.122
48"	6.686	7.022	8.378	8.458
48"	7.022	7.358	8.714	8.794
48"	7.358	7.358	8.716	9.127
48"	7.358	7.694	9.050	9.130
48"	7.694	8.030	9.386	9.466
48"	8.030	8.366	9.722	9.802
48"	8.366	8.366	9.724	10.135
48"	8.366	8.702	10.058	10.138
48"	8.702	9.038	10.394	10.474
48"	9.038	9.374	10.730	10.810
48"	9.374	9.374	10.732	11.143
48"	9.374	9.710	11.066	11.146
48"	9.710	10.046	11.402	11.482
48"	10.046	10.382	11.738	11.818
48"	10.382	10.382	11.740	12.151
48"	10.382	10.718	12.074	12.154
48"	10.718	11.054	12.410	12.490
48"	11.054	11.390	12.746	12.826
48"	11.390	11.390	12.785	13.158
48"	11.390	11.726	13.082	13.162
48"	11.726	12.062	13.418	13.498

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Chemical Resistance

The following results were derived from testing using standard procedures including ASTM D543 "Standard Test Method for Resistance of Plastics to Chemical Reagents." Actual results will vary for different applications depending on environmental conditions for each particular application and other modifying factors. The following table assumes ambient temperature of 75 degrees Fahrenheit.

Chemicals	%	ABS	Polyolefin	Polystyrene	PVC	Brass	Cast Iron	Ductile Iron	EPDM	Buna-n	Viton
Acetic Acid	25	-	180	A	73	C	C	C	180	C	C
Acetic Acid	50	-	140	A	73	C	C	C	140	C	C
Acetic Acid	80	-	100	B	73	C	C	C	100	C	C
Acetone	-	-	73	C	C	A	A	A	130	C	C
Aluminum Chloride	Sat	-	180	A	140	C	C	C	210	70	150
Aluminum Fluoride	Sat	-	-	B	73	C	C	C	210	180	-
Aluminum Sulfate	Sat	-	180	B	140	C	C	C	210	200	150
Ammonium Acetate	Sat	-	73	B	140	C	-	-	140	-	-
Ammonium Chloride	Sat	-	180	A	140	C	C	C	210	180	A
Ammonium Hydroxide	10	-	180	B	225	C			210	70	A
Ammonium Sulfate	-	-	180	A	140	C	B	B	210	180	A
Amyl Alcohol	-	-	180	A	100	A	B	B	210	140	A
Barium Chloride	Sat	-	180	A	180	A	B	B	250	180	A
Barium Hydroxide	Sat	-	180	-	140	A	B	B	250	180	A
Benzene	-	-	C	C	C	A	A	A	C	C	A
Benzoic Acid	All	-	140	A	140	C	C	C	C	C	-
Borax	Sat	-	180	A	140	A	A	A	210	140	A
Boric Aid	Sat	-	180	A	140	B	B	C	210	140	A
Calcium Chloride	-	100	180	A	140	B	A	A	210	100	A
Calcium Hydroxide	-	-	180	-	140	C	C	C	210	140	A
Carbon Tetrachloride	-	-	C	-	73	A	C	C	C	C	A
Chlorine Gas (Dry)ppm	<150	-	C	B	120	C	B	A	C	C	B
Chlorine Gas (Wet) ppm	>150	C	C	B	120	C	C	C	C	C	B
Chlorinated Water ppm	<3500	-	-	B	140	C	-	-	B	C	B
Chlorinated Water ppm	>3500	-	C	B	C	C	-	-	C	C	B
Chromic Acid	10	C	150	B	140	C	C	C	70	C	B
Chromic Acid	30	C	150	B	140	C	C	C	C	C	-
Chromic Acid	40	C	150	B	140	C	C	C	C	C	-
Chromic Acid	50	C	C	B	75	C	C	C	C	C	-
Citric Acid	Sat	-	180	A	140	C	C	C	210	70	A
Copper Chloride	Sat	-	-	-	140	C	C	C	210	180	150
Copper Cyanide	-	-	-	-	140	C	C	C	210	180	-
Copper Nitrate	30	-	-	-	140	C	C	C	210	B to 70	-
Copper Sulfate	Sat	-	120	A	140	C	C	C	210	180	150
Creosote	-	-	-	-	73	B	A	A	C	73	B
Crude Oil	-	-	-	-	140	C	C	C	C	70	-
Dibutyl Ether	-	-	-	-	-	-	-	-	C	C	C
Diesel Fuel	-	-	-	-	140	A	A	A	C	70	-
Ethyl Alcohol	-	-	180	-	140	A	A	A	170	180	A

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Chemicals	%	ABS	Polyolefin	Polystyrene	PVC	Brass	Cast Iron	Ductile Iron	EPDM	Buna-n	Viton
Ethyl chloride	Dry	-	73	C	C		A	A	B to 70	C	B
Ethylene Glycol	-	-	120	A	140	A	A	A	210	180	A
Ethyl Ether	-	-	C	-	C	-	-	-	C	C	-
Fatty Acids	-	-	120	-	140	C	C	C	C	140	-
Formic Acid	-	-	73	B	73	-	C	C	200	C	C
Fructose	-	-	-	-	140	-	A	A	175	140	-
Gasoline(Leaded)	-	-	C	C	C	A	A	A	C	70	A
Gasoline(Unleaded)	-	-	C	C	C	A	A	A	C	70	A
Glycerine	-	-	180	A	140	A	A	A	200	70	A
Hydrolic Oil	-	-	-	-	73	-	A	A	C	C	-
Hydrobromic Acid	20	-	120	-	140	C	C	C	140	C	-
Hydrobromic Acid	50	-	-	-	140	C	C	C	140	C	-
Hydrochloric Acid	<25	-	150	B	140	C	C	C	150	C	-
Hydrochloric Acid	37	-	150	B	140	C	C	C	150	C	-
Hydrocyanic Acid	10	-	73	-	140	C	C	C	200	70	-
Hydrogen Peroxide	50	-	150	A	140	C	C	C	100	C	A
Hydrogen Peroxide	90	-	-	A	140	C	C	C	C	C	B
Inks	-	-	-	-	-	C	C	C	-	70	-
Jp-4 Fuel	-	-	-	-	C	A	A	A	C	70	A
Kerosene	-	C	73	C	140	A	A	A	C	140	A
Lactic Acid	25	-	150	A	140	C	C	B	70	-	A
Lactic Acid	80	-	150	A	73	C	C	B	70	C	A
Lead Acetate	Sat	-	180	A	140	-	C	C	210	70	-
Linseed Oil	-	-	150	A	140	A	A	A	B to 70	180	A
Magnesium Chloride	Sat	-	180	A	140	B	C	C	170	180	150
Magnesium Sulfate	-	-	180	A	140	A	A	A	175	180	150
Mercury	-	-	150	A	140	C	A	A	210	140	A
Mineral Oil	-	70	120	-	140	A	A	A	C	140	A
Naphtha	-	B to 70	73	C	140	-	A	A	C	140	-
Nickel Sulfate	Sat	-	180	A	140	-	C	C	210	-	150
Nitric Acid	<10	73	140	B	140	C	C	C	70	C	B
Nitric Acid	30	C	73	B	140	C	C	C	70	C	B
Nitric Acid	40	C	C	B	100	C	C	C	C	C	B
Nitric Acid	50	C	C	B	100	C	C	C	C	C	B
Nitric Acid	70	C	C	B	73	C	C	C	C	C	B
Nitric Acid	fuming	C	C	C	C	C	C	C	C	C	B
Nitrous Acid	10	-	-	-	73	C	C	C	-	C	-
Oxalic Acid	50	-	180	A	140	-	C	C	150	C	A
Phosphoric Acid	10	-	180	A	140	C	C	C	140	70	A
Phosphoric Acid	50	-	180	A	140	C	C	C	70	C	A
Phosphoric Acid	85	-	180	A	140	C	C	C	70	C	-
Phosphorus Trichloride	-	-	-	-	C	-	-	-	-	C	-
Picric Acid	10	C	170	-	170	C	C	C	140	C	-
Potassium Bicarbonate	Sat	-	170	-	140	-	-	-	170	70	-
Potassium Bromide	-	-	180	A	140	-	C	C	170	180	-
Potassium Carbonate	-	70	140	A	280	B	A	A	170	180	-
Potassium Chlorate	-	-	180	A	140	-	A	A	140	B to 70	-
Potassium Chloride	-	-	180	A	140	A	B	B	210	180	A
Potassium Cyanide	-	-	-	-	140	C	B	B	140	180	A
Potassium Dichromate	Sat	-	-	B	140	-	B	B	170	180	-
Potassium Ferricyandide	-	-	-	-	140	-	B	B	140	70	-
Potassium Hypochlorite	-	C	C	-	140	-	-	-	C	C to 70	-
Potassium Iodide	-	-	73	-	-	-	-	-	140	100	-
Potassium Nitrate	-	-	-	A	140	B	B	B	210	180	-
Potassium Sulfate	-	-	180	A	140	B	A	A	210	140	A