



Your #1 Source for Trench Drain Products

Swift drain.com

Swift drain 8 Trench Drain System

Built to last. Designed with strength and durability in mind.

The Swift drain 8 series combines smart engineering and intuitive materials solving the toughest drainage challenges. The HDPE channels and extensive grate options offer superior impact resistance suitable for handling a high load capacity and achieve maximum flow rates.

Versatile, easy to assemble, strong, durable and tough. Drainage that lasts. Designed to last for decades.

The most durable trench drain system used today.

Overview

Grate Width:	8"
Thickness:	3/4"
Sections:	20"





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Specifications



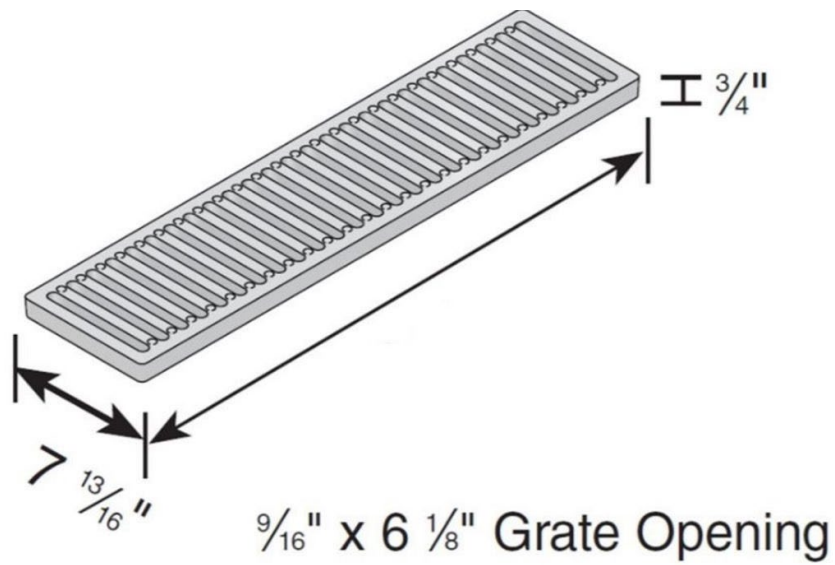
Grate Width:	8"
Thickness:	3/4"
Sections:	24"
Material:	Ductile Iron, Cast Iron, Polymer



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8" Grate Specification



Material: Cast iron, ductile iron or polymer

Max Flow Slot Style



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Channel Drain



W: 8"

L: 20"

End Cap Pipe Connector





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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 Acid	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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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
Hydraulic 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