TRENCH DRAIN

》》 865 SERIES

FastTrack™

SPECIFICATION

Sioux Chief 865 Series FastTrack trench drain shall be used where necessary to convey surface water into drainage system. Trench drain channel shall be sloped (0.75%) or neutral and seamlessly molded from lightweight, durable, chemical-resistant material. Channel shall include construction covers (2), stainless steel grate anchors (6), and integral bottom outlet for optional connection. Channel shall be designed with structure-reinforcing ribs and side anchors (12 per channel) for securing channel to re-bar (½" #4). Channels shall connect end-to-end, in proper sequence, with mechanical, tongue-in-groove style joint. Channel shall have a modified bottom radius to improve flow rate and reduce sediment buildup. Designed in accordance with ASME A112.6.3-01

MATERIALS

Channel: High-density polyethylene
Grate Anchors: Stainless steel
Construction Cover: High-density polyethylene
Screws: Stainless steel

DIMENSIONS (see table below for specific dimensions)

A: Length   72"
B: Overall width   9¾"
C: Channel width   4½"
D: Cover/grate width   6"
E: Ribs (on center)   6"
F: Outlet offset   3"
G: Connection size   4" No-hub
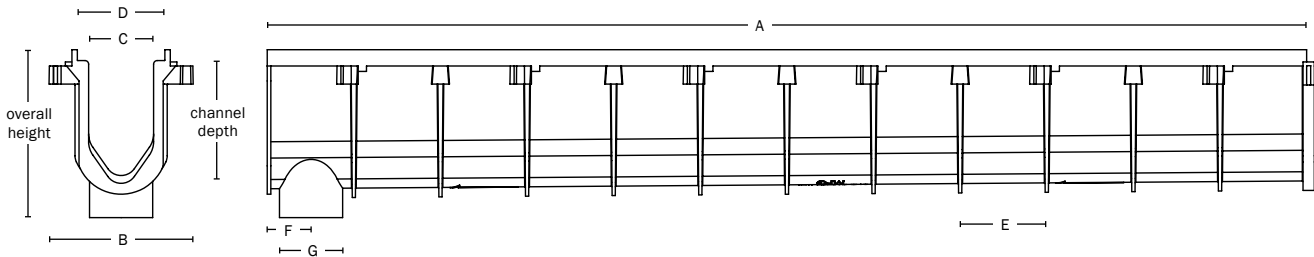
Item Number	Channel Depth		Overall Height[1]	Slope Type	Weight[2] Lbs.	Est. Flow Rate[3]	
	Shallow End	Deep End				GPM	CFS
865-S1	3.62"	4.16"	7.28"	Sloped	15.4	91.23	0.20
865-S2	4.16"	4.70"	7.82"	Sloped	16.4	119.13	0.27
865-N3	4.70"	4.70"	7.82"	Neutral	16.9	—	—
865-S3	4.70"	5.24"	8.35"	Sloped	17.4	147.79	0.33
865-S4	5.24"	5.78"	8.90"	Sloped	18.4	176.97	0.39
865-N5	5.78"	5.78"	8.90"	Neutral	18.9	—	—
865-S5	5.78"	6.32"	9.44"	Sloped	19.4	206.55	0.46
865-S6	6.32"	6.86"	9.98"	Sloped	20.4	236.42	0.53
865-N7	6.86"	6.86"	9.98"	Neutral	20.9	—	—
865-S7	6.86"	7.40"	10.52"	Sloped	21.4	266.52	0.59
865-S8	7.40"	7.94"	11.06"	Sloped	21.4	296.81	0.66
865-N9	7.94"	7.94"	11.06"	Neutral	21.9	—	—
865-S9	7.94"	8.48"	11.60"	Sloped	22.4	327.23	0.73

1 Add 1" to overall height when using iron frame   **2** Weight includes grate anchors (6) and construction covers (2)
3 Flow rate is estimated for the single channel only (open ends, no grate), and is based on calculation using Manning's equation