

StormKeeper SK75

The StormKeeper SK75 is the highest quality and structurally sound stormwater chamber available on the market and meets the full requirements of ASTM F2418. The StormKeeper family of chambers are designed utilizing the most sophisticated and comprehensive techniques to meet the stringent AASHTO LRFD and ASTM requirements. Intended for use under traffic and nontraffic areas, StormKeeper provides a truly cost-effective and structurally superior system to provide underground stormwater storage saving valuable land and protecting the environment.



StormKeeper SK75

Nominal Dimensions

Size (L x W x H)	87.1" x 51.0" x 29.7"
Chamber Storage	46.4 cf
Min. Installed Storage	74.9 cf
Weight	70 lbs

StormKeeper SK75 End Caps

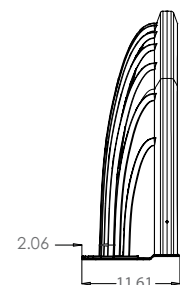
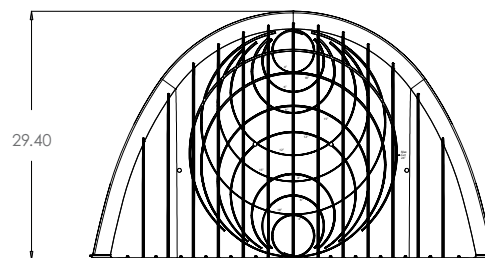
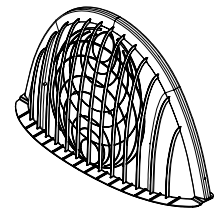
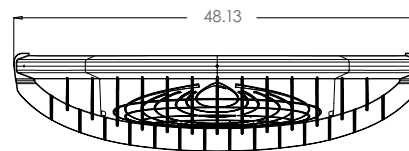
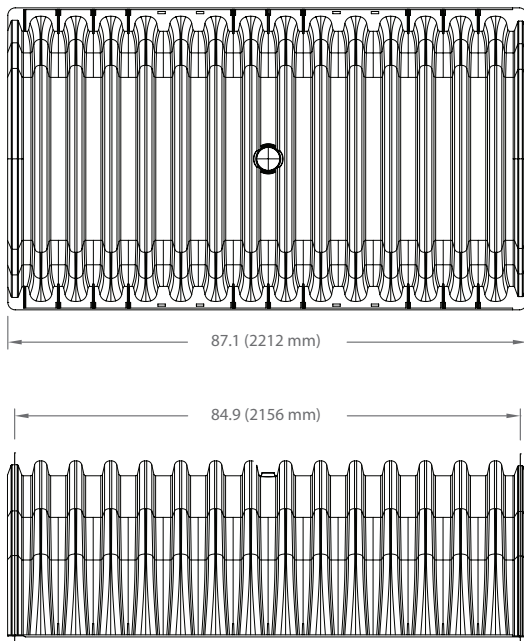
Nominal Dimensions

Size (L x W x H)	11.61" x 48.13" x 29.40"
End Cap Storage	2.73 cf
Min. Installed Storage	12.8 cf
Weight	6 lbs

Shipping

Nominal Dimensions

- 32 chambers per pallet
- 45 end caps per pallet
- 12 pallets per truck



StormKeeper SK75

Stage vs. Storage for StormKeeper SK75

Volume of Excavation Required Per Chamber/End Cap

	Stone Foundation Depth		
	6"	12"	18"
StormKeeper SK75	5.6	6.2	6.8

Assumes 6" of separation between chamber rows, 12" of perimeter in front of end caps, and 18" of cover minimum. Should depth of cover exceed 18", the volume of excavation will increase accordingly.

Storage Volume Per Chamber

	Chamber Volume Only	Chamber and Stone Volume Stone Foundation Depths		
		6"	12"	18"
StormKeeper SK75	46.8 cf	75 cf	81.7 cf	88.4 cf

Assumes porosity of 40% in stone plus the chamber.

Amount of Stone Per Chamber

	Stone Foundation Depth		
	9"	12"	18"
StormKeeper SK75	3.5 tns (2.6 cy)	4.4 tns (3.2 cy)	5.2 tns (3.8 cy)

Assumes 6" of stone above and 6" row spacing, and 12" of perimeter stone in front of the end caps.

Depth (in)	Chamber Volume (cf)	Cumulative Total V2 (cf)	Depth (in)	Chamber Volume (cf)	Cumulative Total V2 (cf)
0	0.00	0.00	22	31.99	43.65
1	0.00	1.12	23	33.68	45.78
2	0.00	2.24	24	35.31	47.88
3	0.00	3.36	25	36.87	49.94
4	0.00	4.48	26	38.38	51.97
5	0.00	5.60	27	39.81	53.95
6	0.00	6.72	28	41.17	55.89
7	2.20	9.04	29	42.43	57.77
8	4.37	11.35	30	43.60	59.60
9	6.53	13.77	31	44.64	61.34
10	8.67	16.17	32	45.52	63.00
11	10.78	18.56	33	46.17	64.50
12	12.87	20.94	34	46.56	65.87
13	14.93	23.30	35	46.76	67.11
14	16.96	25.64	36	46.80	68.25
15	18.96	27.97	37	46.80	69.37
16	20.93	30.27	38	46.80	70.49
17	22.87	32.56	39	46.80	71.61
18	24.78	34.82	40	46.80	72.73
19	26.65	37.07	41	46.80	73.85
20	28.47	39.29	42	46.80	74.90
21	30.26	41.48			

Assumes a void of 40% in the stone. Based on 6" of stone below the chambers. Add another 1.12 cubic feet of storage for each inch of additional stone in the foundation.

