

ON-GRADE FLOOR DRAIN

843 Series

SPECIFICATION:

Sioux Chief 843 Series on-grade floor drain shall be used where necessary in drainage systems. Drain body shall be injection molded 100% PVC or ABS with female threaded brass inserts for ring/strainer screws. Connection to drainage system shall be made by solvent weld, to Sch. 40 PVC or ABS pipe. Ring/strainer shall fasten to drain body with three screws on 120° centers. Strainer shall meet all load requirements.

Item Number Submitted:

843-_____

MATERIALS:

RING/STRAINER: PVC, Stainless steel, Nickel/brass, Cast iron
 DRAIN BODY: PVC or ABS
 STRAINER SCREWS: Stainless steel or brass
 STRAINER SCREW INSERTS: Brass

STRAINER LOAD RATING:

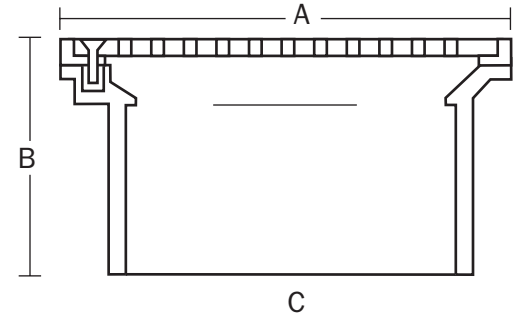
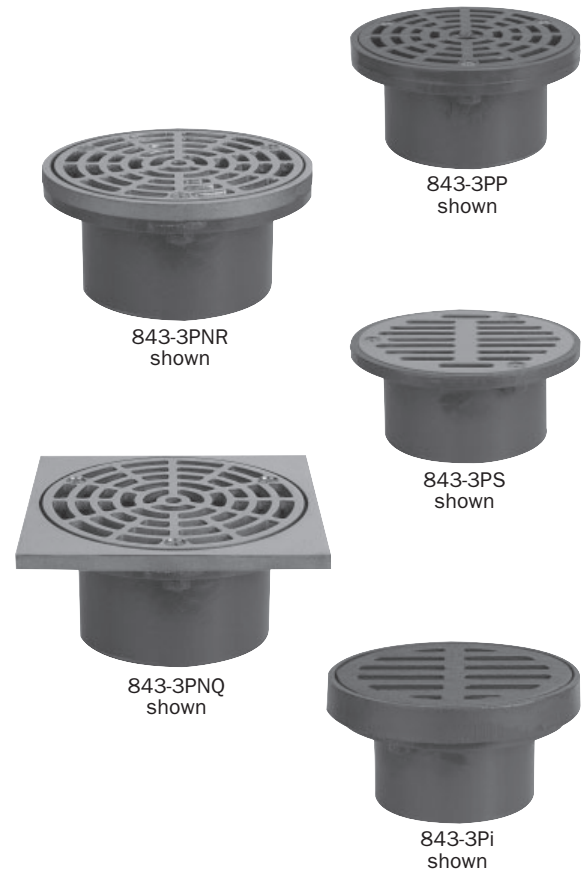
PVC: 1,200 lbs. (³/₁₆" thick)
 STAINLESS STEEL: 1,200 lbs. (18 or 16 gauge)
 NICKEL/BRASS: 2,400 lbs. (³/₁₆" thick)
 CAST IRON: 10,000 lbs. (⁵/₈" thick)

STRAINER FREE-AREA:

PVC GRATE:	STAINLESS STEEL GRATE:
2" DRAIN: 4.18 in ²	2" DRAIN: 2.66 in ²
3" DRAIN: 5.15 in ²	3" DRAIN: 5.09 in ²
4" DRAIN: 8.74 in ²	4" DRAIN: 9.25 in ²
NICKEL/BRASS GRATE:	CAST IRON GRATE:
2" DRAIN: 4.17 in ²	2" DRAIN: 4.18 in ²
3" DRAIN: 6.34 in ²	3" DRAIN: 6.81 in ²
4" DRAIN: 9.5 in ²	4" DRAIN: 9.58 in ²

DIMENSIONS:

	PVC	Stainless Steel	Nickel/Brass (round ring)	Nickel/Brass (square ring)	Cast Iron
Top Diameter A:					
2" drain:	4 1/2"	4 1/2"	4 1/2"	4 9/16"	5"
3" drain:	5 1/2"	5 1/2"	5 1/2"	5 11/16"	6 3/16"
4" drain:	6 1/2"	6 1/2"	6 1/2"	6 11/16"	6 11/16"
Overall Height B:					
2" drain:	2 5/8"	2 5/16"	2 5/8"	2 5/8"	3 1/8"
3" drain:	2 1/2"	2 1/4"	2 1/2"	2 1/2"	3 1/8"
4" drain:	2 15/16"	2 5/8"	2 15/16"	2 15/16"	3 1/2"
Connection C:					
2" drain:	Over 2" or inside 3" Sch. 40 pipe				
3" drain:	Over 3" or inside 4" Sch. 40 pipe				
4" drain:	Over 4" Sch. 40 pipe				



Create Item Number Below

843- A B C D

e.g. 843-3PNQV = 3" PVC drain; satin finish, cast nickel strainer with square ring and vandal-proof screws

A Connection Size

- 2** = Over 2" or inside 3" Sch. 40
- 3** = Over 3" or inside 4" Sch. 40
- 4** = Over 4" Sch. 40

B Drain Body Material

- A** = ABS drain body
- P** = PVC drain body

C Optional Ring & Strainer

- i**¹ = Cast iron ring & strainer
 - BR**² = Cast brass ring & strainer
 - BQ**³ = Cast brass ring & strainer
 - NR**² = Cast nickel ring & strainer
 - NQ**³ = Cast nickel ring & strainer
 - P**⁴ = Grey PVC ring & strainer
 - S**^{4,5} = Stainless steel strainer
- 1 Round strainer with round ring (enamel coated)
 - 2 Round strainer with round ring (satin finish)
 - 3 Round strainer with square ring (satin finish)
 - 4 Top housing provides integral round PVC strainer ring
 - 5 Strainer is 18 ga. on 2" and 3" drains, 16 ga. on 4" drains

D Options Factory installed

- V**¹ = Vandal-proof ring/strainer screws
- ¹ NOT available with cast iron ring & strainer