

# TRENCH DRAIN CATCH BASIN

## 865 SERIES

HydroTec™

### SPECIFICATION

Sioux Chief 865 Series HydroTec™ Maxi 150 catch basin shall be used where necessary for surface drainage. Catch basin shall incorporate a galvanized debris basket, fiber-reinforced concrete body, ductile iron edge rails, and ductile iron, ADA-compliant, grating - all components shall be assembled. Catch basin shall have a smooth outer wall to maximize adhesion with concrete encasement and reduce trapped air pockets. Edge rails shall be integrally formed into the basin wall. Concrete thickness and reinforcement shall be per structural engineer's specification for the application. Designed in accordance with ASME A112.6.3

### MATERIALS

**Grating:** Ductile iron (ASTM A536 70-50-05) - ADA-Compliant

**Edge Rails:** Ductile iron (ASTM A536 70-50-05)

**Basin Body:** Fiber-reinforced concrete

Compressive strength: C35/45 (DIN EN 206)

Frost and de-icing salt resistant (DIN EN 1433 Class +R)

Fire Rating: A2 - non-combustible, no smoke, no burning drip (DIN 4102)

Thermal expansion/contraction:  $1 \times 10^{-6}$  mm/Kelvin\*

Maximum water penetration depth: 8 mm (watertight per DIN EN 1433)

### GRATE INTAKE AREA

38.1 in<sup>2</sup>

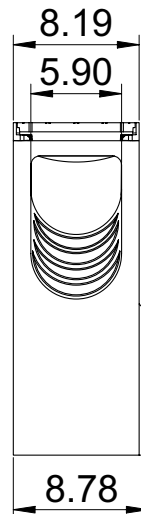
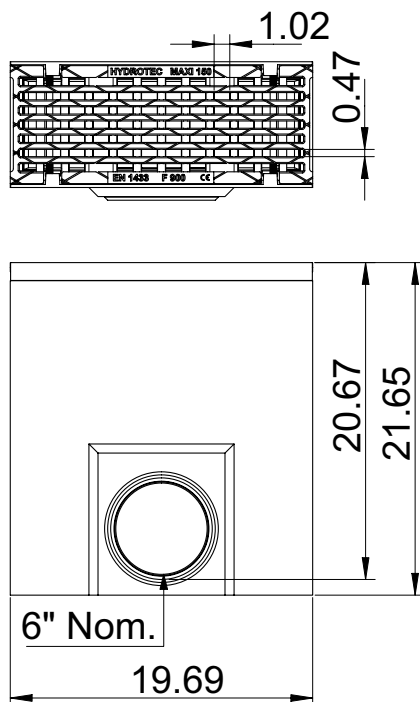
### LOAD RATING

Class D400 / F900 per DIN EN 1433

HS20 / HS25 per AASHTO

\* Same as surrounding concrete foundation

|                  |                 |
|------------------|-----------------|
| ITEM # SUBMITTED | _____           |
| JOB NAME         | _____           |
| LOCATION         | _____           |
| ENGINEER         | _____           |
| CONTRACTOR       | _____           |
| PO#              | _____ TAG _____ |



### Specify Item Number

### LOAD RATING

**865-M6CBDA** = Catch basin - Class D400 grate

**865-M6CBFA** = Catch basin - Class F900 grate

### Accessories - Available Separately:

865-6LR: Grate-locking rod for Maxi 150 System

865-6PC: PVC S&D connection pipe for 6" Nom. outlets

865-6UC: Universal end cap (open/closed) for Maxi 150 System

865-T00L: Grate locking/unlocking tool