

TRENCH DRAIN

» 865 SERIES

HydroTec™

SPECIFICATION

Sioux Chief 865 Series HydroTec™ Maxi 150 trench drain shall be used where necessary for surface drainage. Trench drain shall incorporate a fiber-reinforced concrete channel, ductile iron edge rails, and ductile iron, ADA-compliant, grating with 'boltless' grate-locking system - all components shall be assembled. Channel shall have a U-shaped flow area and a smooth outer wall to maximize adhesion with concrete encasement and reduce trapped air pockets. Edge rails shall be integrally formed into the channel 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)

Drain channel: Fiber-reinforced concrete - sloping profile (1%)

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: 1×10^{-6} mm/Kelvin*

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

GRATE INTAKE AREA

76.2 in² / meter

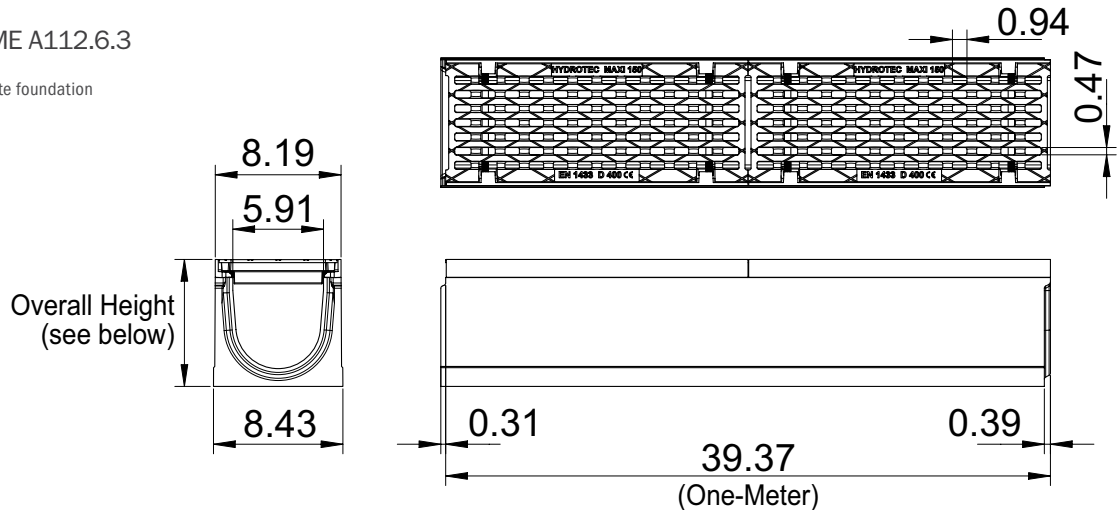
LOAD RATING

Class D400 per DIN EN 1433

HS20 per AASHTO

Heavy Duty per ASME A112.6.3

* Same as surrounding concrete foundation



Specify Item Number

SLOPING CHANNELS - INLET/OUTLET HEIGHT

865-M6S01DA = One-Meter section - 8.27" / 8.66"

865-M6S02DA = One-Meter section - 8.66" / 9.06"

865-M6S03DA = One-Meter section - 9.06" / 9.45"

865-M6S04DA = One-Meter section - 9.45" / 9.84"

865-M6S05DA = One-Meter section - 9.84" / 10.24"

865-M6S06DA = One-Meter section - 10.24" / 10.63"

865-M6S07DA = One-Meter section - 10.63" / 11.02"

865-M6S08DA = One-Meter section - 11.02" / 11.42"

865-M6S09DA = One-Meter section - 11.42" / 11.81"

865-M6S10DA = One-Meter section - 11.81" / 12.20"

Accessories - Available Separately:

865-M6N005SDA: Side-outlet section - Half-meter - 8.27" height - Class D400 grate

865-M6N00BDA: Bottom-outlet section - One-meter - 8.27" height - Class D400 grate

865-M6N055DFA: Side-outlet section - Half-meter - 10.24" height - Class D400 grate

865-M6N05BDA: Bottom-outlet section - One-meter - 10.24" height - Class D400 grate

865-M6N105SDA: Side-outlet section - Half-meter - 12.20" height - Class D400 grate

865-M6N10BDA: Bottom-outlet section - One-meter - 12.20" height - Class D400 grate

865-M6CBDA: Catch basin with basket - Half-meter - Class D400 grate

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

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

865-6RS: Rubber sleeve/seal for 6" Nom. bottom outlets

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

865-SHOVEL: Cleaning shovel for Maxi System

865-T00L: Grate locking/unlocking tool