

TRENCH DRAIN

» 865 SERIES

HydroTec™

SPECIFICATION

Sioux Chief 865 Series HydroTec™ Maxi 100 trench drain shall be used where necessary for surface drainage. Trench drain shall incorporate a fiber-reinforced concrete channel and ductile iron edge rails, for use with ductile iron grating, having a 'boltless' grate-locking system. 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)

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

Drain channel: Fiber-reinforced concrete - sloping profile (0.5%)

Compressive strength: C35/45 (DIN EN 206)

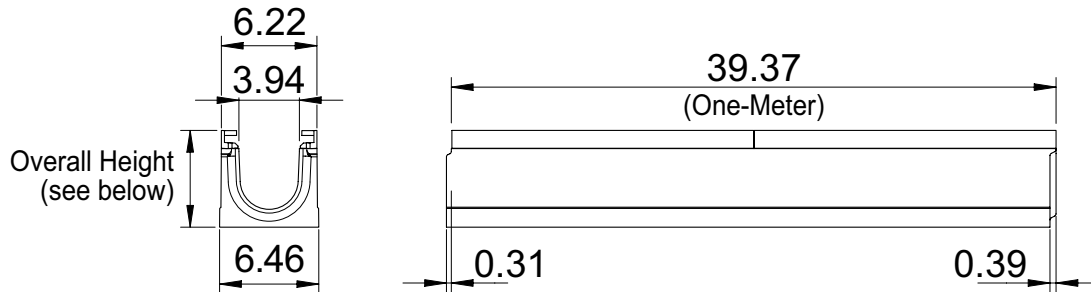
Frost and de-icing salt resistant (DIN EN 1433 Class +R)

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)

* Same as surrounding concrete foundation



Specify Item Number

SLOPING (1-METER) CHANNELS - INLET/OUTLET HEIGHT

865-M4S01 = 4.33" / 4.52"

865-M4S03 = 4.72" / 4.92"

865-M4S05 = 5.12" / 5.31"

865-M4S07 = 5.51" / 5.71"

865-M4S09 = 5.91" / 6.10"

865-M4S11 = 6.30" / 6.50"

865-M4S13 = 6.69" / 6.89"

865-M4S15 = 7.09" / 7.28"

865-M4S17 = 7.48" / 7.68"

865-M4S19 = 7.87" / 8.07"

865-M4S21 = 8.27" / 8.46"

865-M4S23 = 8.66" / 8.89"

865-M4S25 = 9.06" / 9.25"

865-M4S27 = 9.45" / 9.65"

865-M4S29 = 9.84" / 10.04"

865-M4S02 = 4.52" / 4.72"

865-M4S04 = 4.95" / 5.12"

865-M4S06 = 5.31" / 5.51"

865-M4S08 = 5.71" / 5.91"

865-M4S10 = 6.10" / 6.30"

865-M4S12 = 6.50" / 6.69"

865-M4S14 = 6.89" / 7.09"

865-M4S16 = 7.28" / 7.48"

865-M4S18 = 7.68" / 7.87"

865-M4S20 = 8.07" / 8.27"

865-M4S22 = 8.46" / 8.66"

865-M4S24 = 8.89" / 9.06"

865-M4S26 = 9.25" / 9.45"

865-M4S28 = 9.65" / 9.84"

865-M4S30 = 10.04" / 10.24"

Accessories - Available Separately:

865-M4N105S: Side-outlet section - Half-meter - 6.30" height

865-M4N10B: Bottom-outlet section - One-meter - 6.30" height

865-M4N155S: Side-outlet section - Half-meter - 7.28" height

865-M4N15B: Bottom-outlet section - One-meter - 7.28" height

865-M4N205S: Side-outlet section - Half-meter - 8.27" height

865-M4N20B: Bottom-outlet section - One-meter - 8.27" height

865-M4N255S: Side-outlet section - Half-meter - 9.25" height

865-M4N25B: Bottom-outlet section - One-meter - 9.25" height

865-M4N305S: Side-outlet section - Half-meter - 10.20" height

865-M4N30B: Bottom-outlet section - One-meter - 10.20" height

865-M4CB: Catch basin with basket - Half-meter

865-4LR: Grate-locking rod for Maxi 100 System

865-4PC: PVC S&D connection pipe for 4" Nom. outlets

865-4RS: Rubber sleeve/seal for 4" Nom. bottom outlets

865-4EC: Closed end cap - 2-piece for Maxi 100 System

865-4OC: Open end cap - 2-piece for Maxi 100 System

865-4BK: Installation bracket for Maxi 100 System

865-TOOL: Grate locking/unlocking tool

865-SHOVEL: Cleaning shovel for Maxi System

DUCTILE IRON GRATING

865-M4DICH = Half-meter, Class C250, Slotted - Heel-proof

865-M4DICT = Half-meter, Class C250, Transverse-Slotted

865-M4DIDL = Half-meter, Class D400, Long-Slotted - ADA

865-M4DIEM = Half-meter, Class E600, High-intake - Mesh

865-M4DIFL = Half-meter, Class F900, Long-Slotted - ADA