

High-intake Slots (30% Open Area)

Abrasion-resistant Surface

Directional Arrows for Install

Interconnecting End Profiles

High Strength Polymer Concrete

Monolithic Build

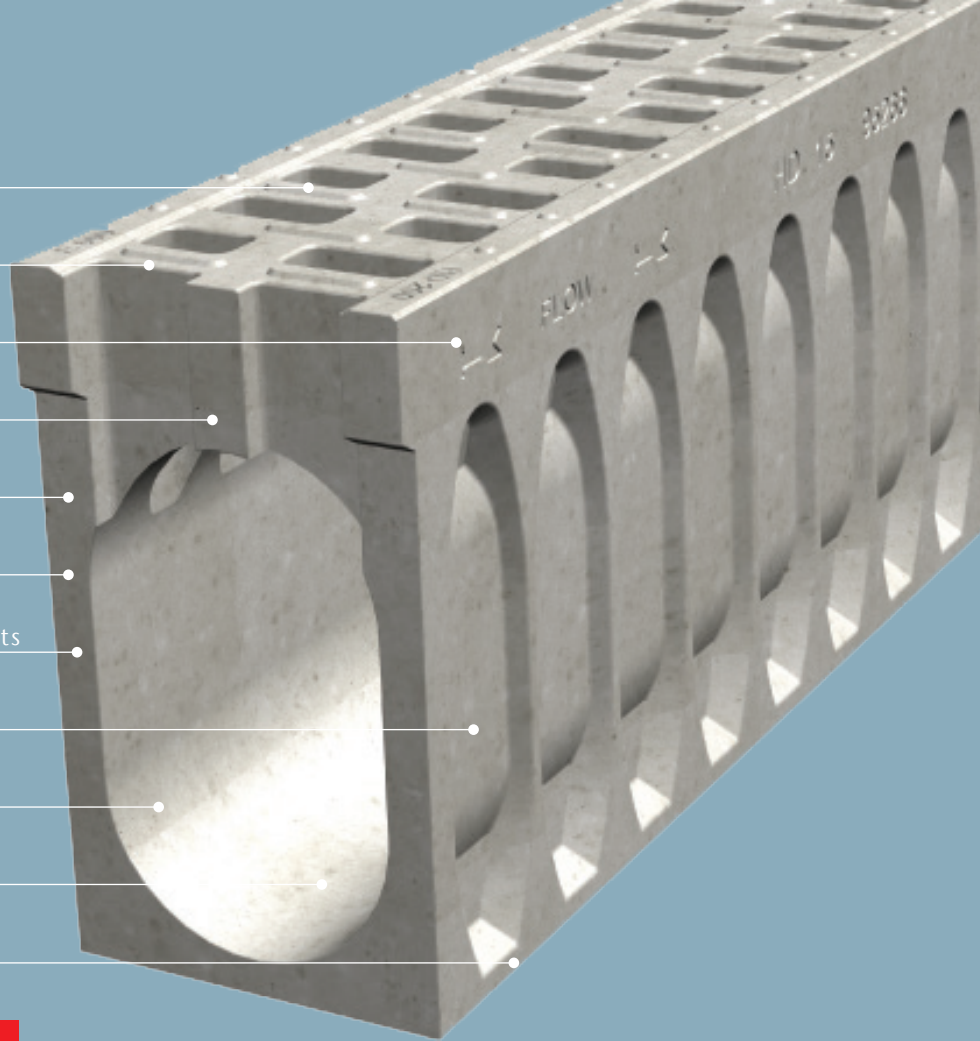
Exceeds AASHTO H20/HS25 Requirements

Profiled Side Walls

8" Internal Width Trench

Flume Outlet Connections

Sloped (0.6%) Channel Units



## MonoBloc HD200

8" Internal Width Monolithic  
Trench Drainage System

### Heavy-duty Durable Drainage

MonoBloc is designed to address the drainage demands of areas with fast, heavy traffic in urban and rural applications, including highways and interstates (DOT approved in most US states).

The monolithic construction provides many benefits over fully grated systems, especially in applications where the drainage cannot be positioned outside the flow of traffic.

#### Typical Applications

- Highways
- Interstates
- Race Tracks
- Truck Stops
- Industrial Parks
- Container Ports
- Distribution Depots
- Toll Booths

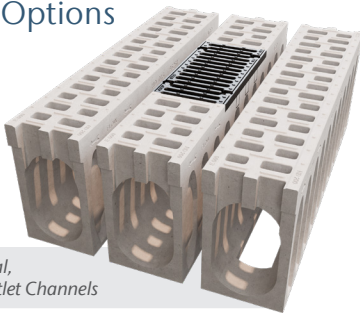


## Simple Monolithic Ingenuity

HD200's single-piece construction provides unique benefits over removable-grate systems, especially in applications where the drainage cannot be positioned outside the flow of traffic:

- Simple, solid build
- High structural strength
- Excellent load and hydraulic capacities
- No loosening from vibrations
- No grates outside of access channels
- Quick installation reduces road closures
- Can be more economical than grated systems

## Channel Options



*Sloping/Neutral,  
Access and Outlet Channels*

### SLOPING CHANNEL

- 4' length
- 0.6% slope
- 25 depths
- 100' continuous run
- EN 1433 Load Class E (60 tons)

### ACCESS CHANNEL

- provides access for maintenance via grated opening
- 4' length
- 3 depths
- 19.69" (0.5 m) ductile iron, 4-bolt lockable grate
- EN 1433 Load Class E (60 tons)

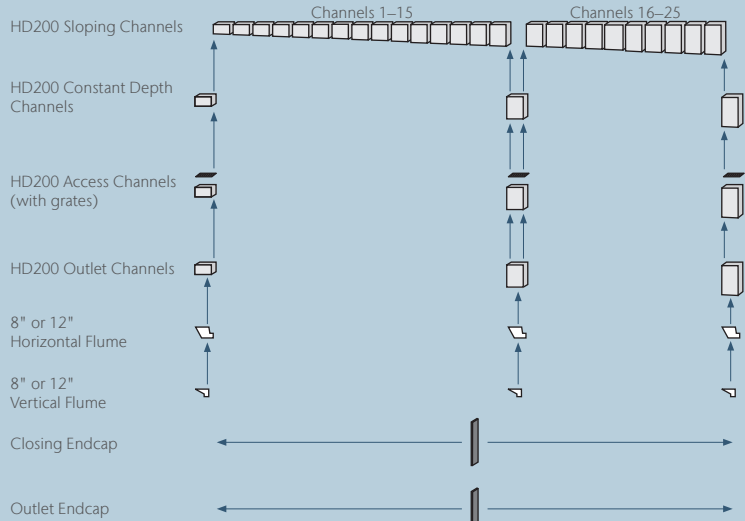
### NEUTRAL CHANNEL

- 4' length
- 3 depths
- create neutral depth run or use to extend sloped run
- EN 1433 Load Class E (60 tons)

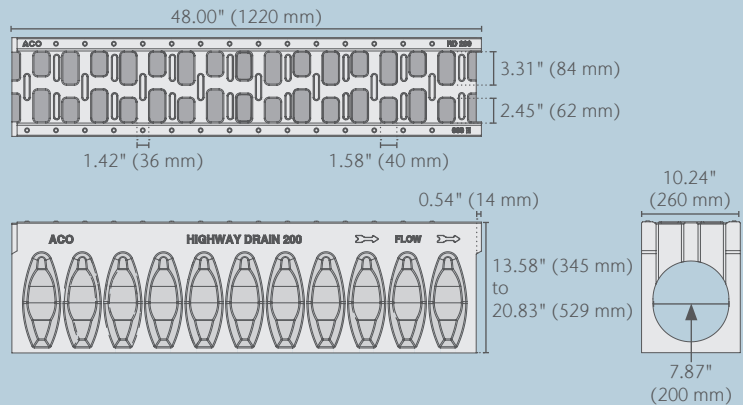
### OUTLET CHANNEL

- provide high capacity evacuation of system via flume outlet connection
- 4' length
- 3 depths
- 928–2,867 GPM
- EN 1433 Load Class E (60 tons)

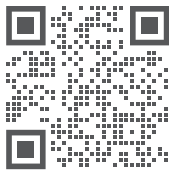
## 25 Channel System Layout



## HD200 Channel



| HD200 Channels      | Invert Depth, in (mm)                 | Weight, lbs         |
|---------------------|---------------------------------------|---------------------|
| Sloping (1–25)      | 12.52 (318)–19.88 (505)               | 241.0–280.6         |
| Neutral (1, 15, 25) | 19.88 (505), 16.93 (430), 19.88 (505) | 241.0, 264.1, 280.6 |
| Access (1, 15, 25)  | 19.88 (505), 16.93 (430), 19.88 (505) | 243.0, 266.1, 282.6 |
| Outlet (1, 15, 25)  | 19.88 (505), 16.93 (430), 19.88 (505) | 233.0, 256.1, 272.6 |



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