

High-intake Slots (30% Open Area)

Abrasion-resistant Surface

Interconnecting End Profiles

Directional Arrows for Install

High Strength Polymer Concrete

Monolithic Build

Exceeds AASHTO HS-25 Requirements

Profiled Side Walls

8" Internal Width Trench

Flume Outlet Connections

Sloped (0.6%) Channel Units

MonoBloc HD 200

Sloped Monolithic Trench Drain
4" Internal Width

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).

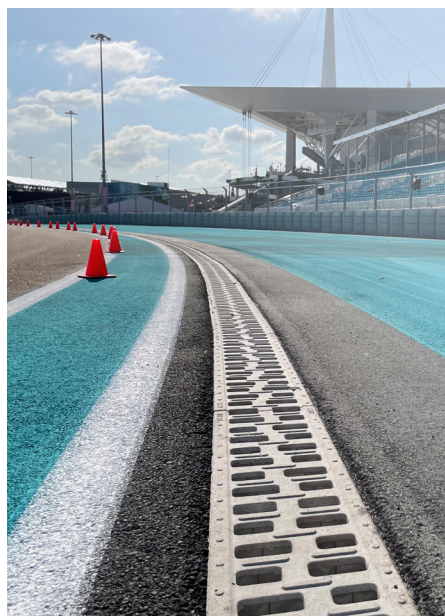
The monolithic construction provides many benefits over fully grated systems, especially in applications where the drainage cannot be positioned outside the flow of traffic.



EN 1433 Load Class E
134,885 lbs – 2,785 psi



FAA Airside
200K lb Proof Load



Typical Applications

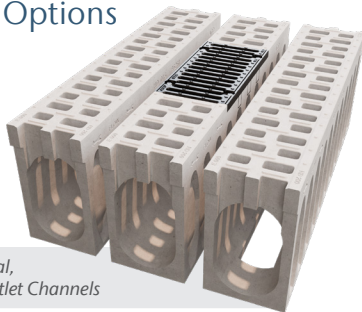
- Highways
- Interstates
- Race Tracks
- Truck Stops
- Industrial Parks
- Container Ports
- Distribution Depots
- Toll Booths

Monolithic Ingenuity

HD 200'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:

- Solid build
- High structural strength
- Excellent load and hydraulic capacities
- No loosening from vibrations
- No grates outside of access channels
- Bolted grate for access channel
- Quick installation reduces road closures
- 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

NEUTRAL CHANNEL

- 4' length
- 3 depths
- create neutral depth run or use to extend sloped run

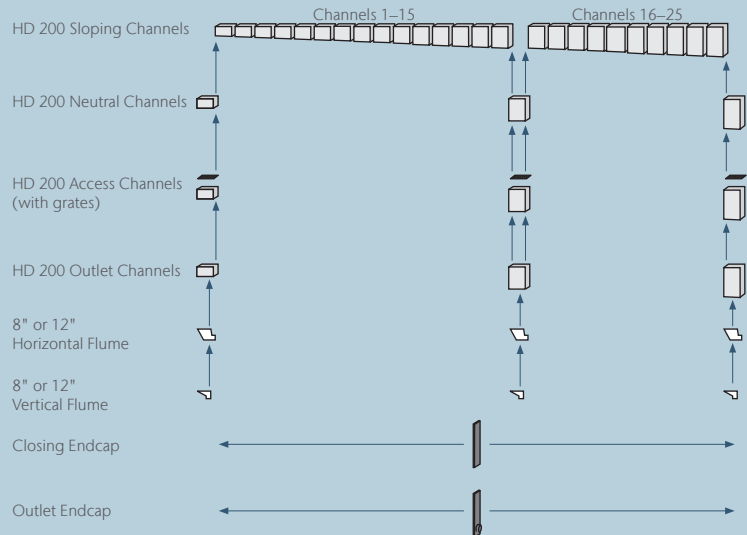
ACCESS CHANNEL

- provides access for maintenance via grated opening
- 4' length
- 3 depths
- 19.69" (0.5 m) ductile iron, 4-bolt lockable grate

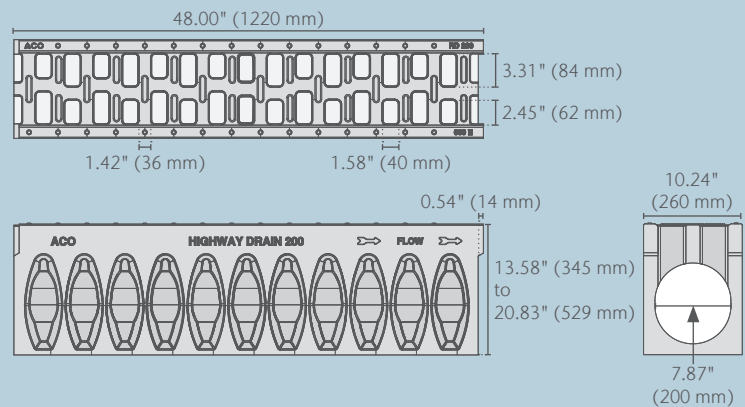
OUTLET CHANNEL

- high-capacity evacuation via flume outlet connection
- 4' length
- 3 depths
- 928–2,867 GPM

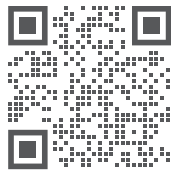
25 Channel System Layout



HD 200 Channel



HD 200 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



ACO, Inc.

West Sales Office
825 W. Beechcraft St.
Casa Grande, AZ 85122
Tel: (520) 421-9988
info@acousa.com
www.acousa.com

Northeast Sales Office
9470 Pinecone Drive
Mentor, OH 44060
Tel: (440) 639-7230

Southeast Sales Office
481 Munn Rd. Ste 225
Fort Mill, SC 29715
Tel: (440) 639-7230

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ACO. we care for water

