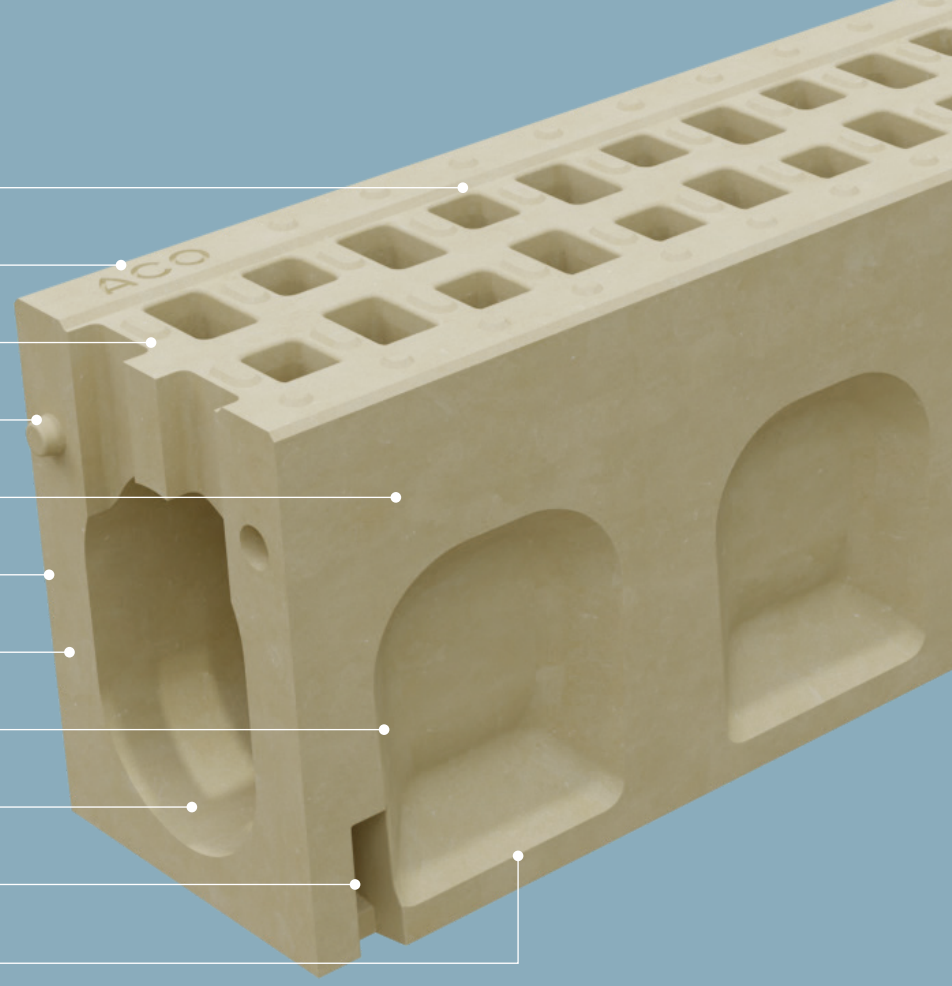
- High-intake Slots (40% Open Area)
- Abrasion-resistant Surface
- Monolithic Build
- Interconnecting End Profiles
- Directional Arrows for Install
- High Strength Polymer Concrete
- Exceeds AASHTO HS-25 Requirements
- Profiled Side Walls
- 4"Internal Width Trench
- Compatible with ACO Installation Devices
- Catch Basin Outlet Connections




# MonoBloc HD 100

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.

EN1433 Load Class F
202,328 lbs – 4,177 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 100'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/outlet channels
- Bolted grate for access channel
- Quick installation reduces road closures
- More economical than grated systems

## Channel Options



*Neutral, Access and Outlet Channels*

NEUTRAL CHANNEL

- 1 m length
- 5 depths

SLOPED CHANNEL

- 1 m length
- 40 m system

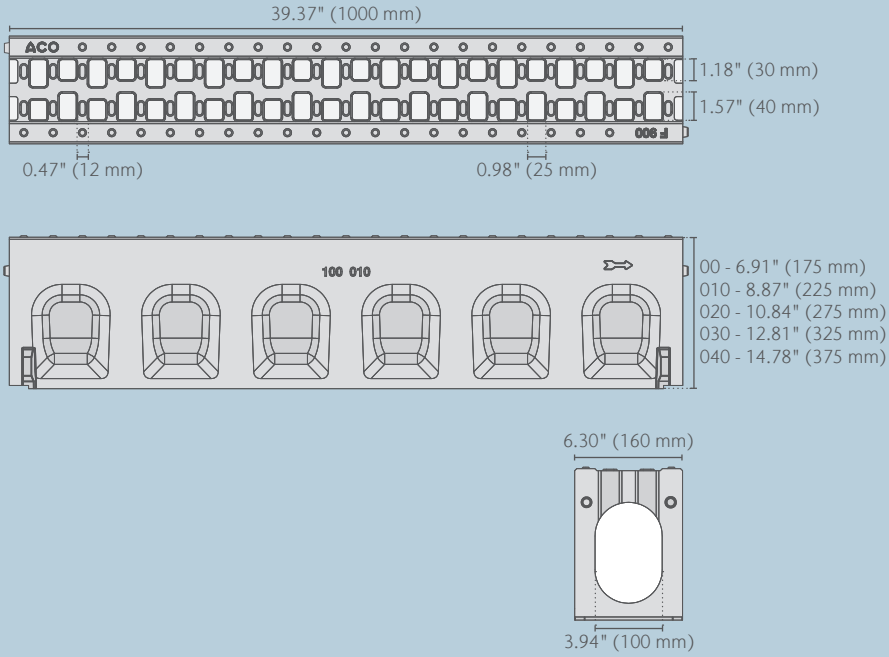
ACCESS CHANNEL

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

CATCH BASIN ACCESS CHANNEL

- high-capacity evacuation of system via catch basin connection
- 1 m length
- 5 depths
- 19.69" (0.5 m) ductile iron, 4-bolt grate
- 928–2,867 GPM

## HD 100 Channel




| HD 100 Channels | Invert Depth, in (mm) | Weight, lbs |
|---|---|---|
| Neutral | 5.91 (150) | 77.4 |
| | 7.87 (200) | 86.1 |
| | 9.84 (250) | 94.8 |
| | 11.81 (300) | 103.4 |
| | 13.78 (350) | 109.4 |
| Sloped* | 6.10 (155) – 13.78 (350) | 77.7 – 112.6 |
| Access | 5.91 (150) | 85.2 |
| | 7.87 (200) | 93.9 |
| | 9.84 (250) | 102.7 |
| | 11.81 (300) | 111.2 |
| | 13.78 (350) | 113.6 |
| Catch Basin Access | 5.91 (150) | 76.2 |
| | 7.87 (200) | 85.9 |
| | 9.84 (250) | 94.6 |
| | 11.81 (300) | 103.2 |
| | 13.78 (350) | 111.5 |

*Sloped channels fit between neutral channels to give continuous 0.5% slope across 125' (40 m).


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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