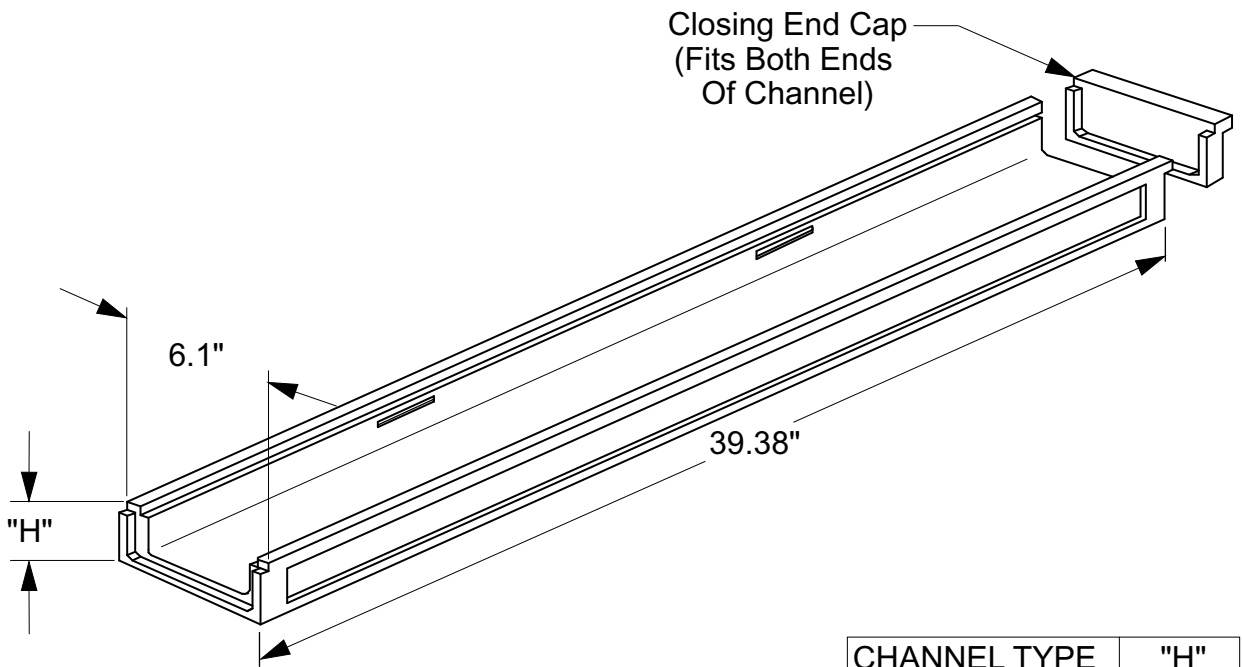


# SHALLOW CHANNEL

**FUNCTION:** Used in surface drainage applications where installation depth is restricted. Channels may be assembled in any length utilizing interlocking tongue and groove ends. This reduces installation time and cost, providing an engineered solution to drainage requirements.



CHANNEL TYPE	"H"
080	3.10"
0100	3.90"

**Note:** This trench drainage system is designed for "on grade applications only", as there are no provisions for a flashing flange or flashing clamp.

**NOTE:** Channels are provided with Vertical Preformed Knock-Out for 4" sch. 40 PVC Pipe.

**VARIATIONS:**  
Grate Specifications (See Back)

**Channel Type 080**  
 Closing End Cap Universal

**Channel Type 0100**  
 Closing End Cap Universal

**REGULARLY FURNISHED:**  
1 meter (3.28') Precast Polyester Concrete Channel of Interlocking Design with a Non-Sloping Bottom. Supplied with Secured Grate as Per Specification.

**OPTIONAL MATERIALS:**  
 Vinylester Resin



DRAWING NUMBER: 9832  
SIZE: A  
SCALE: NONE  
DATE: 9-28-93  
APPROVED BY:  
CHECKED BY: PACE  
DRAWN BY: TWK  
FIGURE NUMBER: 9832

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA  
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

F	6-17-05	Added Note	TBW	PJ	WEIGHT	VOLUME	FIGURE NUMBER
E	9-27-04	Deleted 4" Bottom Outlet	RN	PJ	POUNDS	CUBIC FEET	<b>9832</b>
D	9/5/02	Added New ACO Logo	RN	MD			
C	03/15/02	Removed 2" Hori. Outlet Cap	JJ	PJ			
REV.	DATE	DESCRIPTION	BY	CKD. BY			

# SHALLOW CHANNEL

Light Duty, DIN 19580 **Class A** - 3,500 lbs - 70 psi For pedestrian, wheel chair and bicycle traffic

- 9870-410-GP- 1/4" dia. perforated galv. steel grate (27.60 SQ. IN.)
- 9870-420-G - 3 1/4" x 3/8" slotted galv. steel grate (42.60 SQ. IN.)
- 9870-440-VF- 4 7/8" x 5/8" vinylester fiberglass bar grate (144.00 SQ.IN) Non-Q-Loc
- 9870-440-VF2- 4 7/8" x 3/8" vinylester fiber glass bar grate (113.00 SQ.1N) Non-Q-Loc
- 9870-450-SS 3 1/4" x 3/8" slotted stainless steel grate (42.60 SQ. IN.)
- 9870-451-SSPA- 1/4" dia. perforated stainless steel grate (27.60 SQ. IN.)
- 9870-445-SSADA- 3/16" x 3/16" longitudinal stainless steel slot bar grate (95.00 SQ. IN.)
- 9870-494-PADA- 1 3/4" x 5/16" longitudinal slot black polypropylene grate (28.0 SQ.IN.)
- 9870-491-HPP- 1 13/16" x .25" slotted black polypropylene grate non-Q-loc (17.00 SQ.1N.)

Heavy Duty, DIN 19580 **Class C** -56,000 lbs - 1,162 psi  
 For commercial pneumatic tire traffic patterns, forklifts and tractor trailers

- 9870-405-GM- 1 3/16" x 1/2" longitudinal galv. steel slot bar grate (125.30 SQ. IN.)
- 9870-411-GPHD- 1/4" dia. perforated galv. steel grate (27.60 SQ. IN.)
- 9870-416-GS- solid galvanized steel cover non-Q-Loc
- 9870-425-GHD- 3 1/4" x 3/8" slotted galv. steel grate (42.60 SQ. IN.)
- 9870-430-SSM- 1 3/16" x 1/2" longitudinal stainless steel slot bar grate (125.30 SQ.IN.)
- 9870-455-SSHD- 3 1/4" x 3/8" slotted stainless steel grate (42.60 SQ. IN.)
- 9870-460-CI- 3 15116" x 3/8" cast iron slotted grate (2 1.00 SQ.1N) n 0.), non-Q-Loc
- 9870-465-SSP- 1/4" dia. perforated stainless steel gate (27.60 SQ. IN.)
- 9870-477-ML- 1 3/4" x 1 longitudinal ductile iron slotted grate (42.00 SQ. IN.)
- 9870-479-MD- Mosaic pattern ductile iron grate (19.50 SQ.1N)
- 9870-485-PB- 1/4" dia. perforated brass grate (27.60 SQ.IN.)
- 9870-492-RC- 1 1/2" x 13/16" slotted resin composite grate (16.30 SQ. IN.)

**NOTE:** The grate securing bolts must remain secured in the grate and tightened to the locking bar installed in the channel. If the grate securing bolts are removed from the grates for maintenance of the trench drain, they must be replaced and retightened. If the grate securing bolts are left out of the grates, the life span of the trench drain system could be affected along with the safety of pedestrian traffic.



DRAWING NUMBER **9832BS**  
 SIZE **A**  
 SCALE: **NONE**  
 DATE: **9-28-93**  
 APPROVED BY:  
 CHECKED BY: **PACE**  
 DRAWN BY: **TWK**  
**9832BS**  
 FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

E D C B	8-19-05 9/16/02 07/02/01 6-16-98	Revised Grate Table Added New ACO Logo Added HPP, RC, VF2 grate Added secure grate note	TBW RN JJ ASL	PJ MD MD PJ	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER <b>9832BS</b>
REV.	DATE	DESCRIPTION	BY	CKD. BY			