

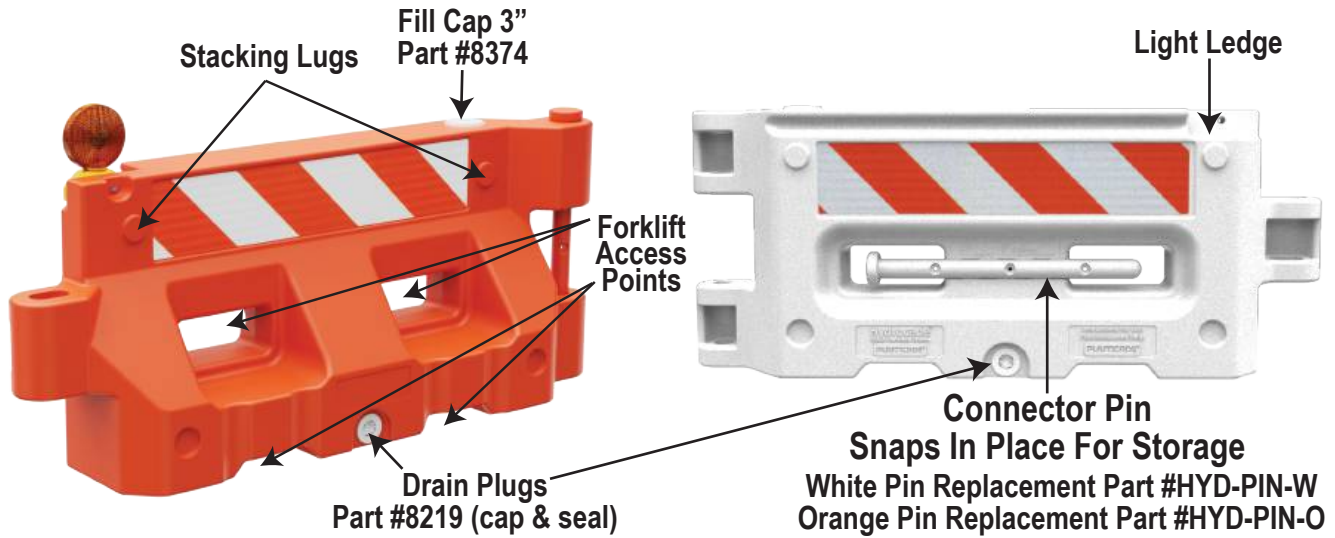
HYDROCADE™ WATER BARRICADE SYSTEM DEPLOYMENT INSTRUCTIONS



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Crash tested to TL-3 MASH requirements

The Hydrocade is not a barrier and should not be used where a re-directive device is required.



Recommended Tools

Drum Bung/Plug Wrench to fit 3/4" and 2" bungs for removal and tightening of drain plug.
Part # HYD-WRENCH



Barricade Light

Use with standard barricade light
Bolt Size Needed - 5 1/2" - 13 (Part 8375)
Light Kit is available - Part 8072-BOLT5KIT, includes A/C 3 Way D Cell Light with part 8375 Bolt

Set Up



Failure to comply with instructions may lead to damage or pose a risk of injury or death to pedestrians and vehicle occupants.

1. Position units next to each other and remove pin from storage position and use to join each unit to the next in line.
2. Check drain plugs to make sure they are secured, use Drain Wrench to tighten
3. Remove the fill caps
4. Fill each unit to full capacity 81.24 gallons
5. Reattach fill caps to prevent water loss

Removal

1. Remove the fill caps
2. Remove drain plug and let water completely drain out
3. Reattach fill caps and drain plugs
4. Barricades can now be moved



Flat Side (front)
Faces Pedestrians



Back Side
Faces Vehicles/Construction

Hydrocade System Adjusts To Uneven Ground



Up to 6° incline over curbs



Up to 3° adjustment for ditches

Cold-Weather Anti-Freeze Recommendations

Expected Low Temperature	Calcium Chloride (CsCl ₂)		Calcium Magnesium Acetate (CMA)		Magnesium Chloride (MgCl ₂)		Potassium Acetate (Kac)		Sodium Chloride (NaCl ₂)		Liquid Ethylene or Propylene Glycol	
	Unit lbs./section	Bulk lbs./gal.	Unit lbs./section	Bulk lbs./gal.	Unit lbs./section	Bulk lbs./gal.	Unit lbs./section	Bulk lbs./gal.	Unit lbs./section	Bulk lbs./gal.	Unit gal./section	Bulk Ratio %
20°	57	0.8	91	1.3	51	0.7	51	0.7	57	0.8	12	17%
10°	86	1.2	125	1.8	74	1.1	114	1.7	68	1	17	25%
0°	103	1.5	154	2.2	91	1.3	143	2.1	120	1.7	22	33%
-10°	125	1.5	177	2.6	103	1.5	171	2.5	N/A	N/A	26	39%
-20°	137	2	188	2.7	114	1.7	194	2.8	N/A	N/A	30	45%

1. Local ordinances should be consulted before choosing an anti-freeze solution.
2. Bulk mix the chosen material with water, using the above chart.
3. The amounts provided are approximate and should not be relied upon as a guarantee against freezing.
4. Ensure any spills are thoroughly cleaned, as the mixtures can be slippery. Rinse the area with plenty of water and apply sand to reduce the risk of slipping.

Fencing Panel Installation Instructions *(Note: Hydrocade With Fencing Has Not Been MASH Tested)*



Fencing can only be used when units are placed on level ground.
Units must be filled with water while using fencing.

Fence Parts

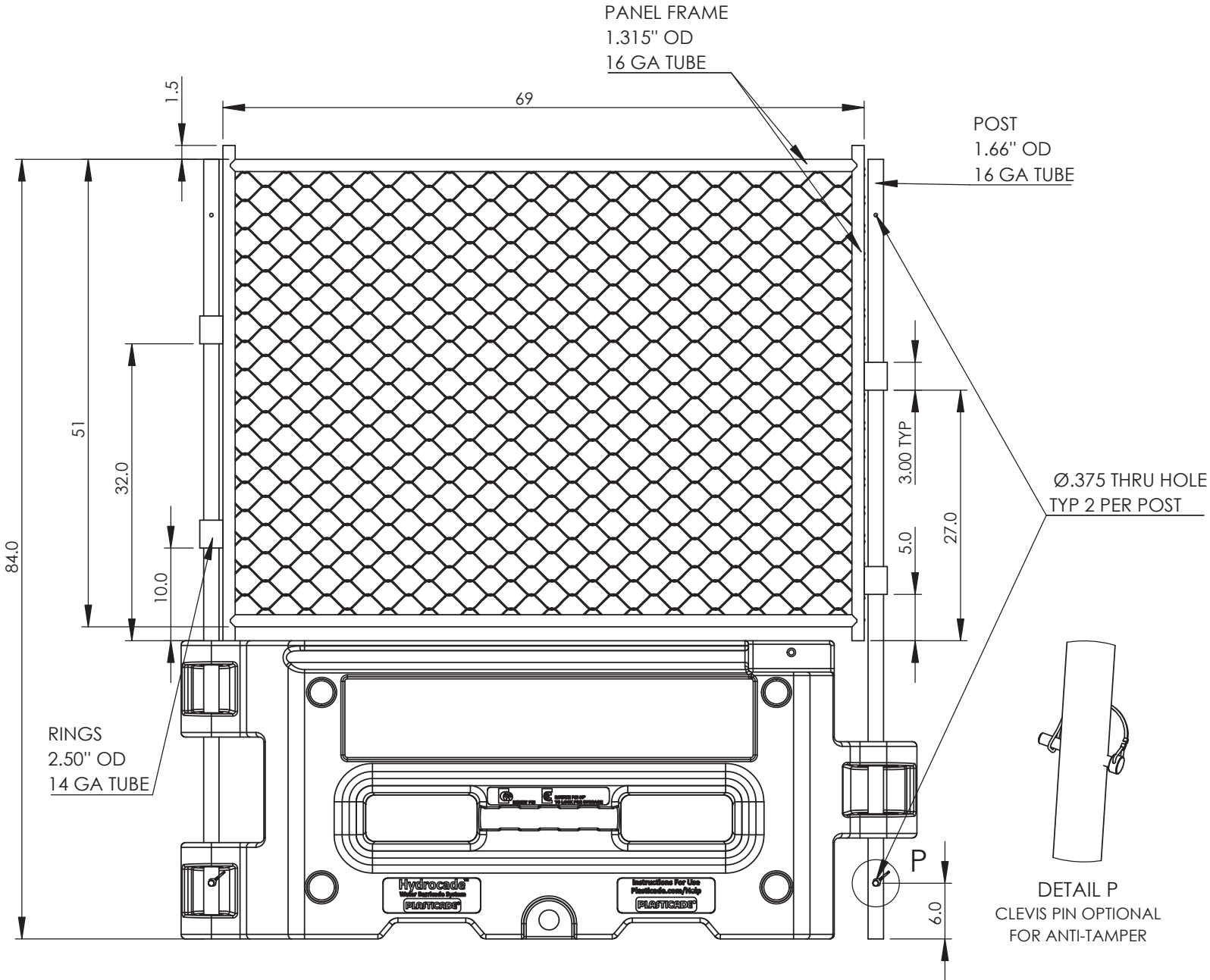
- Fence Panel Part #HYD-FPANEL7 - Fence panel for Hydrocade. Assembled height is 7 feet
69"W x 51"H x 1.3" diameter pipe. One panel is needed for each Hydrocade unit.
- Fence Panel Part #HYD-FPANEL8 - Fence panel for Hydrocade. Assembled height is 8 feet
69"W x 65.5"H x 1.3" diameter pipe. One panel is needed for each Hydrocade unit.
- Fence Post Part #HYD-FPOST-KIT - 84"L Fence post for Hydrocade with Post Pin. Use with HYD-FPANEL7 and HYD-FPANEL8.
- Ordering Note:
One Post is needed for each Hydrocade unit **+1 additional post for last unit in line**



HYD-FPOSTPIN

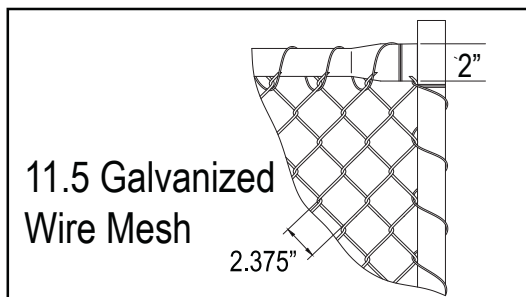
Anti-tamper pin.
One Post Pin included with each Post Kit

7' FENCING PANEL SPECIFICATION



NOTES:

- 1) ALL FENCE COMPONENTS TO BE GALVANIZED
- 2) HYDROCADE BARRICADE INCLUDED AS REFERENCE TO SHOW INSTALLED POSITION - SOLD SEPARATELY



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