XERXES®

Tank Anchoring System

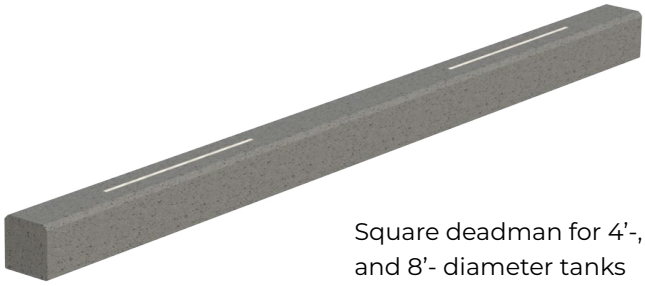
An engineered system adds to installation security

Some site conditions — such as potential for a high water table or trapped water — require tank anchoring or overburden to offset buoyancy and secure the tank. Engineered and sized for all tank models and sizes, Xerxes anchoring system components meet specific site requirements. Deadmen are designed to ship with most tank sizes, which can avoid installation delays and minimize shipping costs.



Prefabricated deadmen

- Reinforced precast concrete
- Designed to meet American Concrete Institute (ACI) standards:
  - Proper steel reinforcement
  - Concrete psi specifications
  - Adequate cure time
- More cost-effective than option of installing a concrete pad



Square deadman for 4'-, 6'- and 8'- diameter tanks

Fiberglass anchoring strap options

- D-ring/D-ring strap
- Man-out-of-hole (MOH) straps

Turnbuckles and anchor points

- Galvanized, jaw-to-jaw turnbuckles
- Adjustable, galvanized steel anchor points
- Designed to be aligned after tank and deadmen are set



Rectangular deadman for 10'- and 12'- diameter tanks

Key Features

Engineered **prefabricated deadmen**

Ensures tanks are secured in all site conditions

Jaw-to-jaw **turnbuckles**

Anchoring strap options

Adjustable **anchor points**

Tank Anchoring System



Deadmen for FT-Series Tanks
Specified in U.S. Gallons

Nominal Diameter	Nominal Capacities (L)	Number of Deadmen	Deadmen Sizes
4-foot	600 – 2,000	2	12” x 12” x 12’ 12” x 12” x 16’ 12” x 12” x 18’
6-foot	2,500 – 8,000	2 – 4	12” x 12” x 12’ 12” x 12” x 16’ 12” x 12” x 18’
8-foot	6,000 – 15,000	2 – 6	12” x 12” x 12’ 12” x 12” x 16’ 12” x 12” x 18’
10-foot	10,000 – 40,000	2 – 8	18” x 9” x 14’ 18” x 9” x 18’ 18” x 9” x 22’
12-foot	25,000 – 60,000	2 – 6	18” x 9” x 14’ 18” x 9” x 18’ 18” x 9” x 22’

Approximate weight of each deadman

12” x 12” x 12’	1,800 lb. / 780 kg.
12” x 12” x 16’	2,400 lb. / 1,050 kg.
12” x 12” x 18’	2,700 lb. / 1,200 kg.
18” x 9” x 12’	1,800 lb. / 780 kg.
18” x 9” x 14’	1,900 lb. / 900 kg.
18” x 9” x 18’	2,400 lb. / 1,170 kg.
18” x 9” x 22’	3,000 lb. / 1,430 kg.

Deadmen for X-Series Tanks
Specified in U.S. Gallons

Nominal Diameter	Nominal Capacities (G)	Number of Deadmen	Deadmen Sizes
8-foot	6,000 – 20,000	2 – 6	12” x 12” x 12’ 12” x 12” x 16’ 12” x 12” x 18’
10-foot	9,000 – 40,000	2 – 8	18” x 9” x 12’ 18” x 9” x 18’ 18” x 9” x 22’

Deadmen for X-Series Tanks
Specified in Liters

Nominal Diameter	Nominal Capacities (L)	Number of Deadmen	Deadmen Sizes
4-foot	2,900 – 5,000	2	12” x 12” x 12’ 12” x 12” x 16’
8-foot	25,000 – 80,000	2 – 4	12” x 12” x 12’ 12” x 12” x 16’ 12” x 12” x 18’
10-foot	40,000 – 150,000	2 – 8	18” x 9” x 12’ 18” x 9” x 18’ 18” x 9” x 22’

For over 45 years, Xerxes has designed and manufactured fiberglass underground storage tanks for fuel, water and wastewater. Xerxes’ most recent expansion is its HydroChain™ stormwater product line — highly engineered products with site-specific designs for stormwater management solutions. Xerxes is a key brand of Mattr, a global materials technology company serving critical infrastructure markets.

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