

Rinker
MATERIALS®
A QUIKRETE® COMPANY



Elliptical Reinforced Concrete Pipe

STRENGTH & DURABILITY



Stay Ahead of the Flow
With Rinker Materials®

RinkerPipe.com



Elliptical Reinforced Concrete Pipe

When an underground infrastructure project demands piping in a compact space, you can rely on Rinker's premium-quality reinforced concrete elliptical pipes to provide the solution. The elongated shape gives the flexibility for horizontal or vertical installations, allowing you to work around shallow depth or underground restrictions without sacrificing performance.

Concrete elliptical pipe can offer other advantages in water management systems with unique conditions when compared to an equivalent diameter round concrete pipe.



- With the same durability as a round concrete pipe, elliptical pipes can distribute loads evenly in low-cover areas regularly exposed to heavy vehicular traffic, such as airplane, train, and bus routes.
- Vertical elliptical pipe is an excellent option for very high fills and when higher flushing velocities are required for low flows.
- Vertical elliptical pipe is also great for high-flow detention/retention systems in limited horizontal space.
- Elliptical pipe allows systems to be customized by connecting round concrete pipe and fabricated transitional pieces at joints or pre-cut hole



Our complete lineup of strong and durable elliptical pipes meet ATSM C507, C497, and AASHTO M207, making them highly effective in various applications.

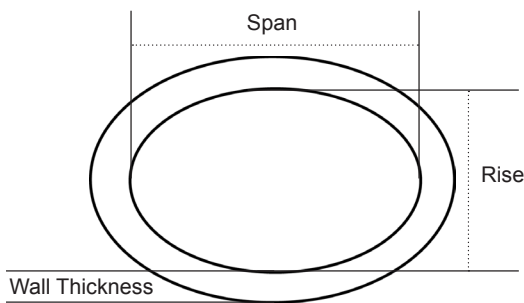
- Stormwater drains
- Sanitary sewers
- Culverts
- Pedestrian under-crossings (vertical elliptical)
- Underground utilities
- Retention and detention systems

Benefits:

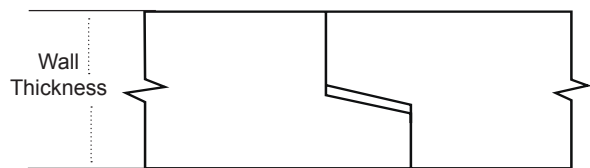
- Easy, quick, and economical installations
- High-load capacity in low-cover installation
- Less significant backfill requirements
- Smaller installation footprints
- Rapid design phase (AASHTO/ASTM design)
- Lower traffic control and project management expense
- Superior quality control and strength
- Excellent hydraulic capacity



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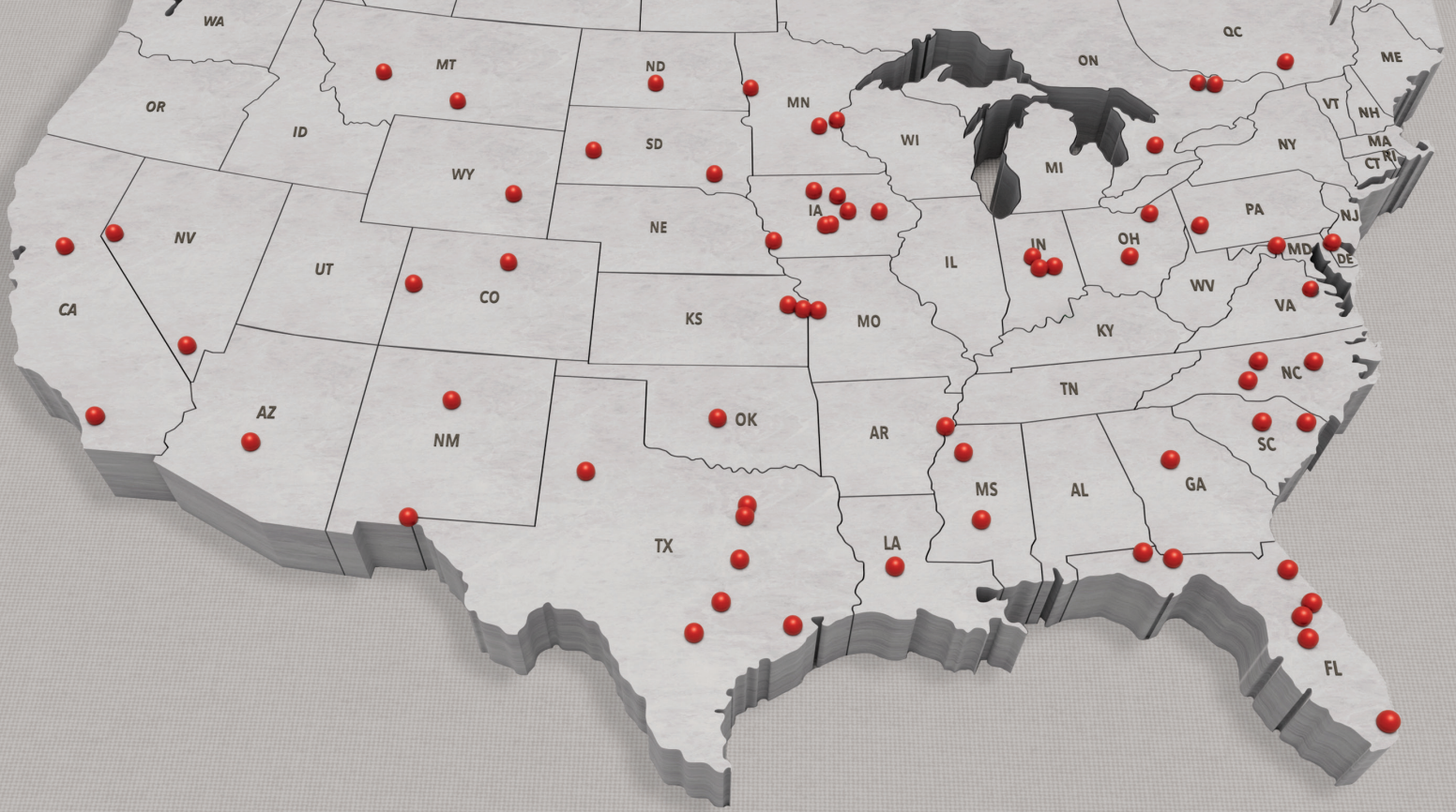


Section Thru Barrel



Section Thru Joint

Round Equivalent (inches)	Inside Dimension (inches)		Wall Thickness (inches)	Full Flow Water Area (Sq. Ft.)	Approx. Weight (Lbs./Ft.)
	Rise	Span			
18	14	23	2 3/4	1.83	200
24	19	30	3 1/4	3.28	310
27	22	34	3 1/2	4.12	380
30	24	38	3 3/4	5.10	450
33	27	42	3 3/4	6.33	495
36	29	45	4 1/2	7.36	650
39	32	49	4 3/4	8.78	750
42	34	53	5	10.2	850
42	38	60	5 1/2	12.9	1040



OVER 70 PLANTS

ACROSS THE USA AND EASTERN CANADA

With nationwide coverage, Rinker Materials is your local resource and trusted one-stop source for infrastructure solutions. Backed by industry-leading engineering and design resources, we provide stormwater management systems for projects of all sizes, scope, and location.

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