

REINFORCED CONCRETE JACKING PIPE



One of the most widely used jacking products in the world, reinforced concrete pipe provides the reliability of a tried and tested product with the trust of a resilient composite material for a variety of structural applications. Made to the ASTM C76 specifications, our dry cast jacking pipe is fit for your run-of-the-mill jacking job.



ADVANTAGES & APPLICATIONS

ADVANTAGES

- Manufactured under the strictest quality controls
- Computer-controlled batching maintains consistency and provides uniform jacking loads for each pipe
- Structural pipe, product is strong and durable
- Flush joint system to allow ease for tunneling through soil
- Trenchless installations are more environmentally friendly than traditional methods
- Higher compressive strength mixes can be formulated to increase the allowable jacking forces, which provides the ability for longer drives

APPLICATIONS

- **Sewer Systems:** Sanitary and Stormwater sewer pipelines.
- **Water Supply Pipelines:** Water distribution pipelines.
- **Underground Utility Networks:** Conduit for telecommunications, electricity, and fiber optic cables.
- **Crossing Beneath Railroad:** Installing pipelines or conduit beneath railroad.

TECHNICAL DATA

Operating pressure: Non-Pressure applications

Main material: Concrete and Steel

Estimated Design Life: 100 years

External waterhead: 13psi

Standard lengths: 8', 10'

Gasket material: EPDM

Diameter range: 18" - 144"

Allowable pushing forces: See Table 2-1

Industry Standards: ASTM C76, ASTM C433, ASTM C1885*

REINFORCED CONCRETE JACKING PIPE DRY CAST



Table 2-1

Wall	Internal Diameter (in)	Wall Thickness (in)	Outside Diameter (in)	Jacking Capacity (US ton)*	Pipe Weight (lb/lf)
C wall	18	3.25	24.5	99	238
B+ wall	24	3.25	30.5	173	328
B wall	30	3.50	37.0	190	402
B wall	36	4.00	44.0	257	560
C wall	42	5.25	52.5	466	905
C wall	48	5.75	59.5	293	1060
B wall	54	5.50	65.0	332	1086
C wall	60	6.75	73.5	380	1530
C wall	66	7.25	80.5	463	1800
C wall	72	7.75	87.5	536	2035
C wall	78	8.25	94.5	649	2410
C wall	84	8.75	101.5	799	2660
C wall	90	9.25	108.5	898	3070
B wall	96	9.00	114.0	1021	3180
C wall	102	10.25	122.5	1157	3873
C wall	108	10.75	129.5	1307	4290
C wall	114	11.25	136.5	1461	4750
B wall	120	11.00	142.0	1623	4950
B wall	144	13.00	170.0	2020	6750

* With an eccentric tunneling operation.

