



JACKING PIPES



BSI
B.S. 8811 Part 1 : 2002



Certified to ISO 9001 : 2008
Cert. No. : AR 2024



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E-RETE Jacking Pipe

Overview

With over 50 years experience supplying quality precast quality solutions, E-RETE jacking pipes are manufactured to support the growing demand of pipe jacking within today's heavily urbanised and developed cities.



E-RETE jacking pipes allow pipe installation to occur where open trench techniques are neither practical or cost effective.

Pipe-jacking involves assembling the jacking pipes into an open shaft below the surface and pushing the pipes with a powerful hydraulic jack until the pipe reaches the receiving pit.

This type of pipe-jacking installation process is often referred as trenchless technology or micro-tunnelling.

Applications

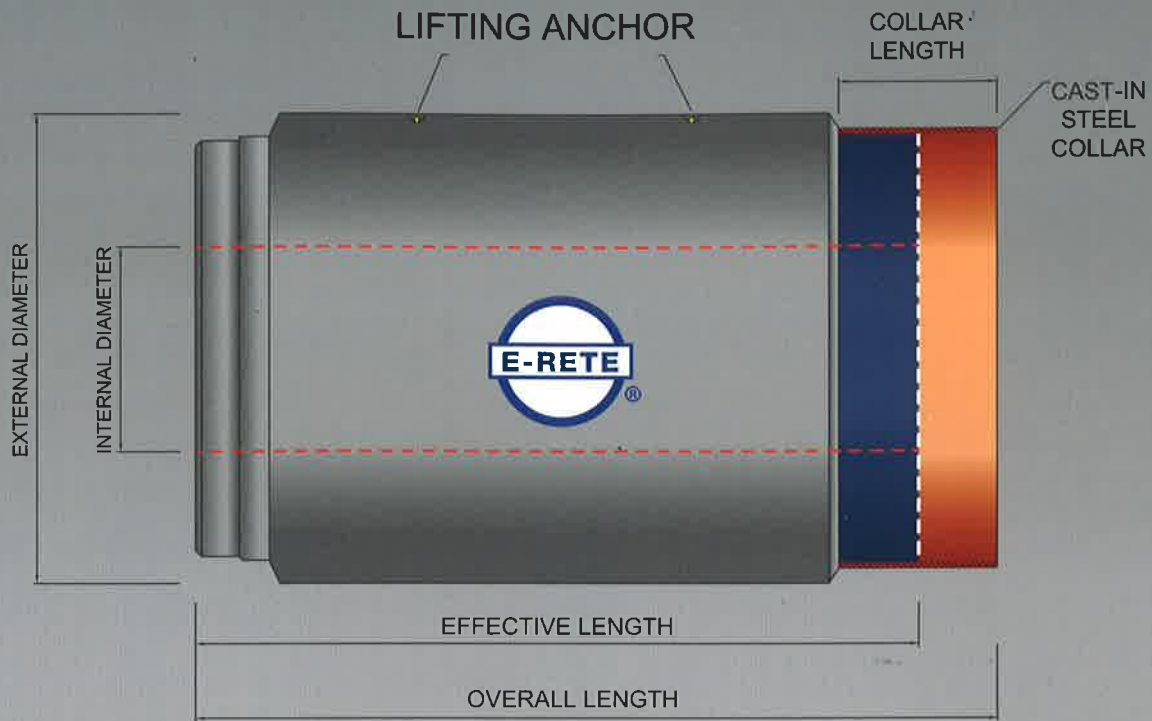
Pipe jacking is used to install underground pipes for a variety of applications including:-

- Pipe replacement
- Crossing under roadways and railways
- Storm water drainage
- Sewerage pipelines
- As a sleeve pipe for other utility pipelines including water, sewage, electricity and telecommunication cables.



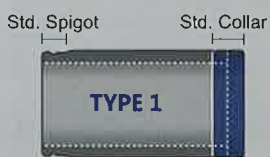
E-RETE jacking pipes are designed in accordance to British Standard B.S. 5911 :Part 1:2002 and Australian Standard AS/NZS 4058:2007 and are manufactured using only the highest quality raw materials. E-RETE jacking pipes can be manufactured using Ordinary Portland Cement (OPC), Pulverised Fly Ash cement (PFA), internal lining using high alumina cement, epoxy coal tar coating or sacrificial lining. Other variants of jacking pipes can be manufactured upon customer requests.

E-RETE Jacking Pipes Properties

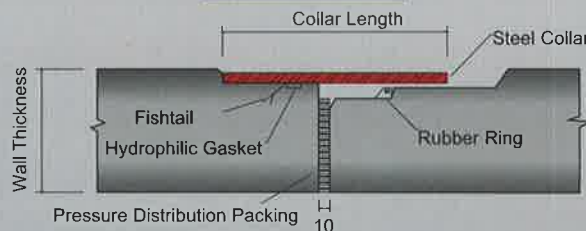


| Nominal Diameter (mm) | Internal Diameter (mm) | External Diameter (mm) | Class / Strength | Wall Thickness (mm) | Overall Length (mm) | Effective Length (mm) | Weight Per pipe (Ton) | Max Allowable Jacking Force(Ton) |
|-----------------------|------------------------|------------------------|--------------------|---------------------|---------------------|-----------------------|-----------------------|----------------------------------|
| 375 | 375 | 520 | Z(120), 1.5Z, 2.0Z | 72.5 | 3.05 | 2.95 | 0.74 | 102.0 |
| 450 | 450 | 610 | Z(120), 1.5Z, 2.0Z | 80.0 | 3.05 | 2.92 | 1.000 | 142.0 |
| 525 | 525 | 690 | Z(120), 1.5Z, 2.0Z | 82.5 | 3.05 | 2.92 | 1.140 | 172.0 |
| 600 | 600 | 775 | Z(120), 1.5Z, 2.0Z | 88.0 | 3.05 | 2.92 | 1.400 | 213.0 |
| 750 | 750 | 960 | Z(120), 1.5Z, 2.0Z | 105.0 | 3.05 | 2.92 | 2.100 | 345.0 |
| 900 | 900 | 1200 | Z(120), 1.5Z, 2.0Z | 150.0 | 3.05 | 2.92 | 3.560 | 690.0 |

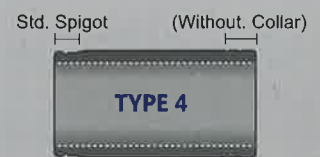
STANDARD PIPE



JOINT SEAL DETAIL



LAST PIPE WITHOUT COLLAR



Other dimensions and vary lengths of pipes which are not shown in the above can be manufactured upon request.

E-RETE's RCJP General Information & Specifications

- Concrete GRADE 50
- OPC/PFA
- HAC Lining/Sacrificial Lining
- Complying to BS 5911: Part 1: 2002 and AS/NZS 4058: 2007
- CLASS Z, 1.5Z, 2.0Z
- COLLAR TYPE MILD STEEL/ STAINLESS STEEL 304/316

In view of continual improvements, **E-RETE** reserves the right to alter the specifications display above without prior notice.