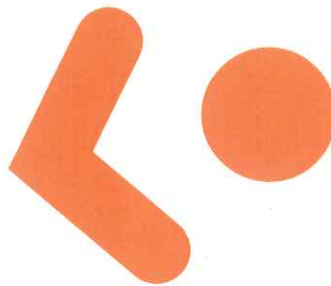


RESTRAIN™

PVC PIPE FOR TRENCHLESS INSTALLATION

simply secure



Iplex Pipelines (NZ) Ltd has developed Iplex **RESTRAIN™** specifically for gravity pipeline projects installed using trenchless technology. With an easy to assemble threaded socket and spigot joint together with a rubber seal ring, **RESTRAIN™** brings the advantages of PVC pipe systems to the trenchless industry.

RESTRAIN™ is suitable for use in a range of applications...

- Gravity sewer
- Gravity stormwater
- Electrical/telecommunications ducting
- Ducting

and installation methodologies*...

- Horizontal directional drilling
- Auger boring
- Guided boring
- Pipe bursting/cracking



RESTRAIN™



RESTRAIN™

PVC PIPE FOR TRENCHLESS INSTALLATION



The RESTRAIN™ system offers significant on site benefits.

Feature	Benefit
Threaded socket and spigot joint.	Easy to assemble, no special tools or training required. No solvent cement or fusion welding required. Joints can be undone and pipe re-used if necessary. No long pipe strings enabling small footprint workspace.
Pipe lengths customized to suit installation / project requirements.	Enables use with a range of installation technologies or site requirements. Pipe available in lengths from 1m to 6m.
Compatible with industry standard PVC sewer and stormwater fittings Two directional installation capability	Simple connection to manholes and service laterals.
High performance rubber seal ring Complies with relevant industry Standards - AS/NZS 1260, AS 2053 Manufactured from uPVC pipe	Pipe can be "pushed" or "pulled" into place depending on installation methodology No risk of leaks or root infiltration. Product meets proven performance levels.
	Stiffer than PE pipe of equivalent dimensions making it more suitable for installation on flat grades.



Product Range

Sewer/Stormwater

Pipe Size	Pipe OD/mm	Pipe Specification	Maximum Tensile Load During Installation	Maximum Compressive Load During Installation
DN100	110	AS/NZS 1260 SN16	1,800 kg	1,800 kg
DN150	160	AS/NZS 1260 SN16	3,500 kg	3,000 kg
DN225	250	AS/NZS 1260 SN16	9,500 kg	9,500 kg
DN300	315	AS/NZS 1260 SN16	12,000 kg	12,000 kg

Pipe is manufactured in accordance with AS/NZS 1260: 1999. *PVC pipes and fittings for drain, waste and vent applications.*

Elastomeric seal ring complies with Section 3.4 of AS/NZS 1260

- Cl. 3.4.2 - Hydrostatic pressure test in accordance with AS/NZS 1462.10
- Cl. 3.4.3 - Liquid infiltration test in accordance with AS/NZS 1462.8
- Cl. 3.4.4 - Contact width and interface pressure test in accordance with AS/NZS 1462.13

Cable Duct

Pipe Size	Pipe OD/mm	Pipe Specification	Maximum Tensile Load During Installation	Maximum Compressive Load During Installation
DN100	110	AS 2053 Light Duty	1,800 kg	1,800 kg
DN150	160	AS 2053 Light Duty	3,500 kg	3,000 kg
DN225	250	AS 2053 Light Duty	9,500 kg	9,500 kg

Pipe is manufactured in accordance with AS 2053; 1984. *Non-metallic conduits and fittings.*

* Disclaimer: RESTRAIN™ is not suitable for use in pipe ramming or impact moling. However, as terminology and definitions of trenchless methods do vary, please contact Iplex Pipelines to confirm that RESTRAIN™ is compatible with your installation technology.

IPLEX
Pipelines

Call your Tropex Civil team to discuss specific project requirements

Ph: +649 6254 389
civil@tropex.co.nz

Tropex Civil provides for projects in the Pacific Islands and Papua New Guinea only

TROPEX CIVIL

OUR EXPERIENCE
YOUR SUCCESS