Vinidex by aliaxis

# Ductile Iron Pipe Systems

## Product Catalogue

LINX® DICL Pipes Product Range

ZAP® DICL Pipes Product Range

# Ductile Iron Pipe Systems

**Vinidex is one of Australia's leading pipes and fittings businesses with over 60 years of experience in piping systems. The Vinidex team has well over 60 years of combined experience within the ductile iron pipes and fittings market and offers a full range of products and services for a broad range of project requirements.**

**The Vinidex ductile iron piping system provides asset owners with a comprehensive range of pipes and fittings for reticulation and trunk main applications in drinking or recycled water, sewerage and drainage projects. Pipes are manufactured to Australian standard AS/NZS 2280 in sizes from DN100 to DN750, however pipes manufactured to ISO 2531 in sizes up to DN2000 are also available for specific projects.**

**As well as supplying pipes and fittings, we encourage engineers and asset holders to consult with Vinidex in the early design and specification stages for advice and support, to deliver a pipeline system that meets the performance requirements at an optimum price.**

## Why Vinidex?

When purchasing a ductile iron piping system with Vinidex, you are partnering with a company that has the strength of a large corporate body but with a vast array of local knowledge and a history of success in the Australian market.

Vinidex is committed to stocking Australian Standard ductile iron pipe and fittings locally and has developed systems and procedures to ensure the safe and efficient distribution, regardless of the project size and delivery location Australia wide.

All Vinidex ductile iron pipe systems are manufactured in accordance with AS/NZS 2280 and the ISO/EN 2531 Standards for DI pipes and fittings.

The AS/NZS 2280 Standard replicates the requirements of ISO/EN 2532 in most aspects with the International Standards providing some additional coating options.

Manufacturing plants are independently audited and certified as compliant to the required standards. To ensure optimum quality, product is inspected in Australia prior to delivery. Manufacturers are also certified to ISO 9001 and ISO 14001.

For potable water systems, all surfaces in contact with water are compliant to AS/NZS 4020 in all aspects for 'Materials in contact with drinking water'.

## Why choose Vinidex ductile iron pipes?

Why choose Vinidex ductile iron pipes, fittings and accessories for your next project? The answer is simple; Vinidex has a long-standing history in the Australian piping industry, with over 60-years of providing an excellent range of products and service.

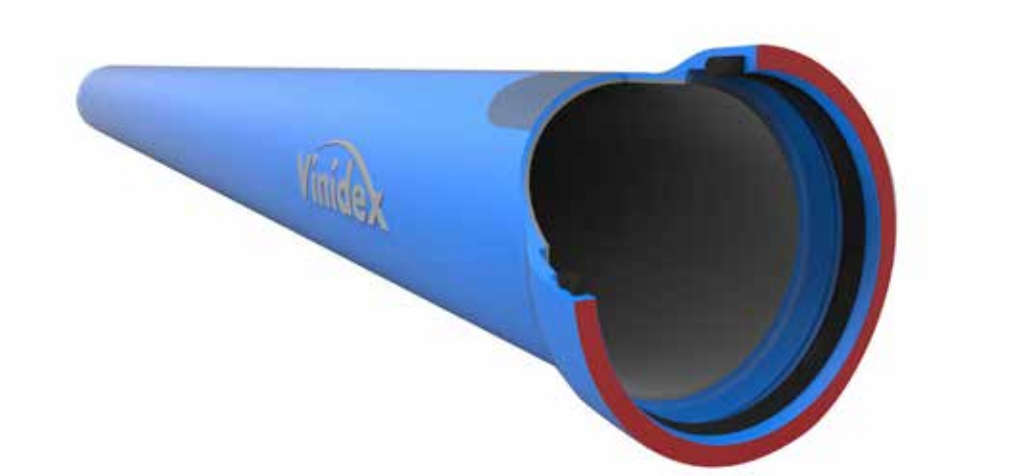
These services and advantages include:

- ✓ Peace of mind when partnering with our corporate strength and experience.
- ✓ Vinidex has a quality range of stocked ductile iron pipes ranging from DN100 to DN750.
- ✓ All Vinidex DI piping systems have undergone WSAA appraisals and carry Australian Standards product certification.
- ✓ Vinidex carries product approvals with most Australian water companies.
- ✓ Vinidex can provide a full range of Vinidex Superlink® DI fittings, valves, mechanical couplings, repair clamps and tapping bands.
- ✓ Vinidex has local shipping and handling, with direct to site delivery.
- ✓ Where specified, Vinidex ductile iron pipes can be supplied with or without seal coating.
- ✓ All pipes are inspected for defects in Australia, to ensure we maintain a high quality product.
- ✓ In situations where sleeving is required, Vinidex offers a pre-sleeving service, to remove on-site sleeving and increase your speed of installation.

Vinidex also offers support options for project design, helping to ensure you specify the right products and the most efficient system.

These services include:

- ✓ Engineering and logistic support to make sure you choose the right products and solutions for your job.
- ✓ Logistic support to ensure your product is delivered safely and in excellent condition.
- ✓ Operational support & after sales service.
- ✓ Soil testing relating to requirements of sleeving.
- ✓ Product training & education.
- ✓ Reassurance in our experience to deliver projects on time and within budget.
- ✓ A local presence with distribution centres in all Australian states.



## Vinidex has a matching range of Ductile Iron Superlink® Fittings

Complement your next project with Vinidex ductile iron Superlink® pressure fittings and accessories. Vinidex supplies a complete range of pipeline components to complement the installation of the pipeline system in both reticulation and trunk mains. Products include a complete range of ductile iron fittings, mechanical couplings, repair clamps and tapping bands, many of which are held in local branches across Australia.

## Alterations & Fabrications

In addition to the ductile iron pipe system & Vinidex ductile iron Superlink® fittings, Vinidex can offer a range of fabrication options through Rodney Industries, who are part of the broader Aliaxis group. Rodney Industries has a long standing reputation in the fabrication industry and are capable of ductile iron fabrications for sizes DN100 to DN200 pipe.

For further information on the Vinidex ductile iron Superlink® fittings or fabrications, please visit our website www.vinidex.com.au.

# Features & Benefits

Ductile Iron piping systems are a tried and tested piping solution with many features and benefits universal to the ductile iron market. Below are some of the common features and benefits you'll find when designing, specifying and using a Vinidex ductile iron piping system.

| Feature | Benefit |
|---|---|
| **Outstanding Product attributes** | |
| ✓ High strength and ductility resulting in a tough product with excellent damage tolerance. | ✓ This makes for a strong durable product that won't damage easily, giving you reduced risks when installing the system. |
| ✓ High Youngs Modulus resulting in a product with high stiffness (SN). | ✓ Reduced bedding and backfilling requirements to maintain roundness. Lower cost fill can be used and reduced compaction requirements, reducing installation costs. |
| **Maintenance free** | |
| ✓ For correctly designed and installed systems, no maintenance is required over the lifecycle of the pipe systems. | ✓ A lay and forget system. No ongoing maintenance costs for the asset owner. |
| **Longevity** | |
| ✓ A long design life, due to pipe joint design and new improved coatings. | ✓ The new ZAP® coating creates a better protection against corrosion for the pipe, over the existing zinc-based coatings. Having the additional option of sleeving in more aggressive soils, DI pipes can be used in an expansive range of applications. |
| ✓ Due to excellent mechanical properties pipes cope very well with unstable soils, high traffic loads, water hammer and abnormal service conditions. | ✓ Less likely to fail due to unforeseen changes in installation conditions. |
| **Quick installation** | |
| ✓ Socket and spigot installation with specialised ring design and up to 3.5° angular deflection. | ✓ Quick and simple socket and spigot installation. High pipe stiffness and ring reduces delays due to pipe ovality and ring roll or dislodgement. |
| ✓ No need for welding or additional coating. | ✓ Joint deflection can remove the need for multiple fittings & associated restraint requirements |
| ✓ Backfilling is possible with native soil. | ✓ Reduced requirement for imported backfill material. |
| ✓ Pre-Sleeving available on request. | ✓ Pipes arrive on time and in full, as required. Optional pre-sleeving saves time, money and manpower on site. |
| ✓ Specialised delivery options. | |
| **Complete systems** | |
| ✓ Vinidex DI systems offers a range of fittings, valves and accessories for all diameters. | ✓ Offering a full system of products makes it easier when managing your project, saving you time and money by not having to deal with multiple suppliers. |
| **Sustainable development** | |
| ✓ Ductile iron can be manufactured from iron ore which is an abundant resource in the earths crust. | ✓ All materials used in the product are abundant and readily available. |
| ✓ It can also be manufactured using scrap steel or cast iron providing recycling benefits. | ✓ At end of life the product can be recycled or left in place with no harm to the environment. |
| **Repairability** | |
| ✓ Cement mortar lining can be easily fixed on site if damaged. | ✓ Repair options mean minimal pipe is wasted. |
| ✓ Damaged spigots can be cut and removed. | ✓ In service repairs can be performed. |
| ✓ Repair of installed pipes can be easily achieved with repair clamps or slide over collars. | |

# Ductile Iron Pipes

Cast iron has been used for the transportation of water for well over 200 years. The earliest known use is in the 17th Century at the Palace of Versailles in France where most of the pipes are still in use today. In Australia they were first used at the end of the 1800's, many of which still remain in use today.

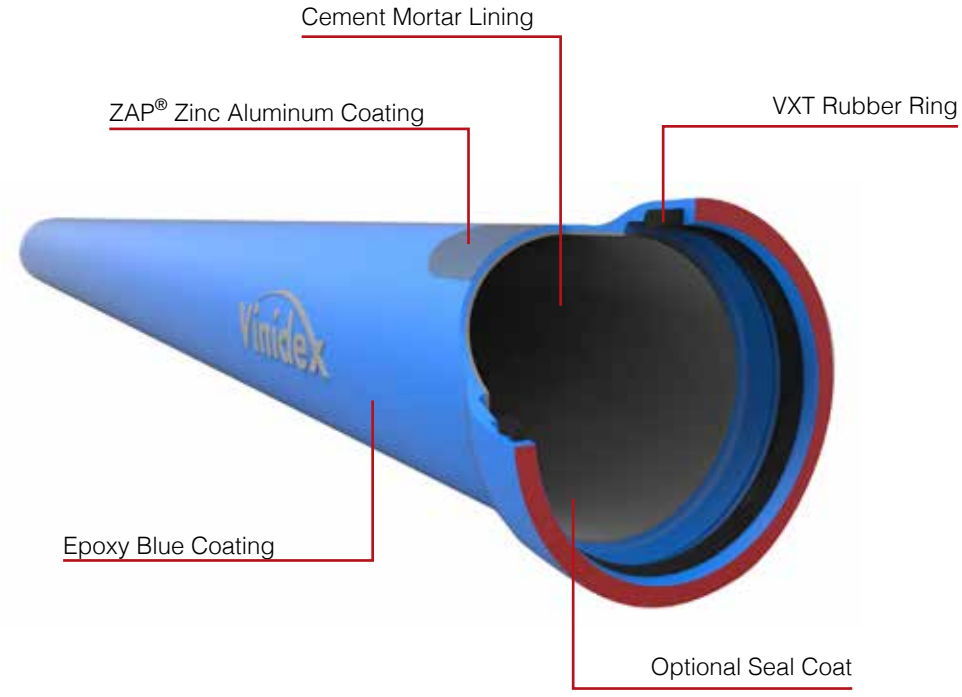
In the 1950's ductile iron was developed. While it is similar in composition to cast iron, the graphite in ductile iron is modified from a flake structure in cast iron to spheres or nodules in ductile iron. This change in graphite structure dramatically improves the strength and elongation of ductile iron over cast iron. Ductile iron is now the main material used in the manufacture of pipes.

Ductile iron pipes are centrifugally cast in a water cooled steel mould to provide an optimum microstructure and isotropic properties with the socket and barrel formed in the same operation. As the profile of the socket is formed with a sand core, it is tailored to permit the ring to be positively located in the socket, in greatly reducing the likelihood of the ring becoming dislodged. The socket design also permits up to 3.5 degrees of angular deflection of the joint.

All pipes are subjected to hydrostatic testing at the operating pressure to ensure they are defect free.

## Product lining, coatings, jointing and sleeving

Vinidex ductile iron pipes come with a range of options for your design requirements, including product linings, coatings, joints and sleeving. The information below outlines the different options available for each element of the ductile iron piping system.




The diagram above highlights the different options described within each component of the ductile iron pipes.

## Interior Linings

Ductile iron pipe systems are generally lined with cement mortar, the type of cement used will depend on the fluid being transported. The cement mortar is applied as a slurry and rapidly spun to force the cement against the barrel of the pipe. This produces a dense, low porosity cement layer which has high strength and a smooth internal surface which is strongly adhered to the cast surface. The very smooth inner surface enhances flow and reduces head losses. This mortar guarantees hydraulic performance is maintained over time as deposits are less likely to adhere to the surface.

The cement mortar lining protects both the ductile iron pipes and drinking water. The ductile iron is protected through a passivation mechanism where the water absorbed through the cement and in contact with the DI surface is higher in pH and not corrosive to the metal. The water in turn remains clean and unaffected.

Additionally, any cracks in the cement mortar formed during curing, transport, storage or laying, close up through the combined effect of mortar swelling on exposure to water and slow hydration of the cement's constituents.

There are three alternative options for internal cement linings, based on required applications;


## Cement lining options

- OPC – Ordinary Portland Cement
- CAC – Calcium Aluminate Cement
- SRC – Sulphate Resistant Cement

Most applications for ductile iron pipe revolve around the conveyancing of potable water for which, the standard internal pipe finish offered in Vinidex ductile iron pipes is OPC.

In situations where the water contains low solute levels, the cement can be coated with a bituminous seal coat lining complying to ISO 16132.

More aggressive water may also require a SR Cement which can handle higher water sulphate levels. Both OPC, SRC and seal coat conforms to the Australian Standard AS/NZS 4020 for drinking water applications.

For sewer and wastewater application CAC is available which can handle a wider pH range and more aggressive liquids.

For further information on cement lining options, we recommend you contact Vinidex directly.

## External Coating

Vinidex offers a range of both traditional Zinc (LINX®) and new Zinc Aluminium alloy (ZAP®) metallic coating along with a synthetic resin topcoat, which provides greatly improved corrosion performance of ductile iron pipes. From 2020 Vinidex now offers ZAP® as the standard offering for metallic coatings.

The LINX® based coating system on ductile iron pipes in conjunction with the topcoat provides a barrier to protect pipe. The Zinc reacts with the environment to form a stable Zinc hydroxide protecting the ductile iron from corroding. The coating also has a self-healing action where if the coating is scratched during installation or in service by 3rd party damage, a Zinc hydroxide coating will form over the scratch protecting the base metal from corrosion.

The Zinc and Aluminium alloy used on ZAP® pipes has greatly improved corrosion protection compared to traditional zinc and bitumen coated pipes. The unique microstructure formed by 85%Zn/15%Al alloy provides a more controlled reaction with the environment resulting in a denser and more stable hydroxide layer. ZAP® coatings are also double the weight compared to LINX® coatings, 400g/m$^2$ compared to 200g/m$^2$. Broadly speaking this offers a stronger resistance to corrosion.

In a majority of installations ZAP® pipes can be laid without sleeving*. Topcoat colours are typically blue for water applications and red for sewer applications. Bitumen coating will only be used on LINX® pipes.

The metallic coating should be chosen in accordance with the design requirements and the native soil properties where the piping system will be installed. Traditional LINX® coated products generally require a protective PE sleeving. ZAP® coatings due to improved corrosion performance may not need sleeving in certain soil types*, this can lead to a reduction in cost for the contractor & infrastructure owner.

| Ductile Iron Pipe OD Coating: | Zinc (LINX®) | Zinc Aluminium (ZAP®) |
|---|---|---|
| Metal Components; | 100% Zinc | 85% Zinc 15% Aluminium |
| Metal coverage per m/sq; | 200 grams per m2 | 400 grams per m2 |
| Application Process; | Plasma Arc Deposition | Plasma Arc Deposition |
| Topcoat: | Bituminous | Blue / Red synthetic resin |
| Pricing; | Standard | Premium |
| Additional Requirements; | Sleeving | Comprehensive Soil testing* |

*May require sleeving, pending soil test results. Testing should be done to trench depth.

Vinidex currently offers the ZAP® coating on all PN35 & PN20 Ductile Iron pipes with a synthetic resin blue paint external finish. Vinidex carries a full range of sizes in stock of PN35 ductile iron pipes in water applications, for improved delivery and availability. PN20 ductile iron pipes are available as a special order.

Though becoming less popular in Australian applications, Vinidex still offers the traditional metallic LINX® coated piping system, with an external bitumen finish. This coating is available upon request, with minimum quantities and lead times applying. Vinidex recommends the use of an external polyethylene (PE) sleeving when installing this system.

## Jointing & Rubber Rings

Vinidex ductile iron pipe systems can be supplied with a Socket-Spigot push on joint or a Flange joint as requested. As a standard joint, Vinidex DI pipe utilise a Socket-Spigot “Push-On” joint with an EPDM rubber ring in accordance with AS/NZS 1646. As an option, restrained rubber rings are available on request.

## External Sleeving

While ZAP® pipes can be laid in a wide range of soil types, polyethylene sleeving options are still available when laid in aggressive soils. The application of a polyethylene sleeve is a proven, cost effective method of corrosion protection. As an option Vinidex can offer pre-fitted sleeving prior to delivery.

For a full range of sleeving options please see the range table further in this catalogue or visit our website:
https://www.vinidex.com.au/products/ductile-iron-pipe-systems/ductile-pipe/di-pipe-sleeving/

# Product Range & Specification

When combining the full range of options, Vinidex ductile iron pipe system can be utilised in a broad range of applications involving both water and sewerage.

The following tables and diagrams outline a full list of products currently available. Though all products are available, not all products are held in stock. Please contact your local Vinidex branch for product availability.

## Relative Australian Standards for Ductile Iron

Vinidex Model: VXDP 3500
WSAA Appraisal No: 1605

| Standards Title | Designation | WSAA Appraisal |
|---|---|---|
| Ductile Iron Pipes and Fittings | AS/NZS 2280 | ✓ |
| Application in Drinking Water | AS/NZS 4020 | ✓ |
| Joint Type | AS 1646 | ✓ |
| Cement Lining | AS 3972 GP, SR, CAC | ✓ |
| Interior Seal Coat | ISO 16132 | ✓ |
| External Coating | Metallic Zinc ISO 8179 – 1 | ✓ |
| Polyethylene Sleeving | AS 3860 & AS 3681 | ✓ |

## ZAP® DICL Water Pipes PN35 & PN25

| ZAP® GP Pipe - Potable Water | | | |
|---|---|---|---|
| Application | Portable Water and Irrigation | | |
| Standarsd | AS/NZS 2280, 1646, 4020, 1831 - ISO8179-1, 16132 | | |
| Nominal Diamerter | 100, 150, 200, 225, 250, 300, 375, 450, 500, 600, 750 | | |
| Effective Length | 5700mm | | |
| Colour Identification |  |  |  |
| Band colour | Green Band | Red Band | Blue Band |
| Pressure Class | PN20 | PN35 | Flange Class |
| Joint Type | Elastomeric Rubber Rin - “T-Link” (Push-On) EPDM AS 1646 | | |
| Deflection | DN100 - DN250 3.5”, DN300 - DN600 2.5”, DN750 1” | | |
| External Coating | Metallic Layer Topcoat | Zinc - Aluminium<br>Epoxy - Blue | 400g / $m^2$<br>100um |
| Internal Lining | Cement Mortar AS 3972 type GP | | |
| Internal Socket Coating | Synthetic Resin - Blue | | |

*PN35 (DN100 – DN750 Stocked)
*PN35-FC (DN100-200 stocked MTO >DN225, MOQ applies)

## ZAP® DICL Water PN35 General Purpose + Seal Coated

| Vinidex Code | PN | Nominal Size (mm) | Length (m) | Joint | Type |
|---|---|---|---|---|---|
| 82629 | 35 | 100 | 5.7 | SOC-SP | Potable Water |
| 82630 | 35 | 150 | 5.7 | SOC-SP | Potable Water |
| 82631 | 35 | 200 | 5.7 | SOC-SP | Potable Water |
| 82632 | 35 | 225 | 5.7 | SOC-SP | Potable Water |
| 82633 | 35 | 250 | 5.7 | SOC-SP | Potable Water |
| 82634 | 35 | 300 | 5.7 | SOC-SP | Potable Water |
| 82635 | 35 | 375 | 5.7 | SOC-SP | Potable Water |
| 82636 | 35 | 450 | 5.7 | SOC-SP | Potable Water |
| 82637 | 35 | 500 | 5.7 | SOC-SP | Potable Water |
| 82638 | 35 | 600 | 5.7 | SOC-SP | Potable Water |
| 82639 | 35 | 750 | 5.7 | SOC-SP | Potable Water |

## ZAP® DICL Water PN35 General Purpose

| Vinidex Code | PN | Nominal Size (mm) | Length (m) | Joint | Type |
|---|---|---|---|---|---|
| 82618 | 35 | 100 | 5.7 | SOC-SP | Potable Water |
| 82619 | 35 | 150 | 5.7 | SOC-SP | Potable Water |
| 82620 | 35 | 200 | 5.7 | SOC-SP | Potable Water |
| 82621 | 35 | 225 | 5.7 | SOC-SP | Potable Water |
| 82622 | 35 | 250 | 5.7 | SOC-SP | Potable Water |
| 82623 | 35 | 300 | 5.7 | SOC-SP | Potable Water |
| 82624 | 35 | 375 | 5.7 | SOC-SP | Potable Water |
| 82625 | 35 | 450 | 5.7 | SOC-SP | Potable Water |
| 82626 | 35 | 500 | 5.7 | SOC-SP | Potable Water |
| 82627 | 35 | 600 | 5.7 | SOC-SP | Potable Water |
| 82628 | 35 | 750 | 5.7 | SOC-SP | Potable Water |

*This product comes without a seal coating.

## ZAP® DICL Water PN35 General Purpose Flange Class

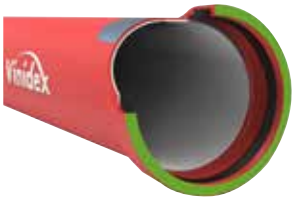
| VinidexCode | PN | Nominal Size (mm) | Length (m) | Joint | Type |
|---|---|---|---|---|---|
| 82651 | 35 | 100 | 5.7 | Fl - Fl | Flange Class |
| 82652 | 35 | 150 | 5.7 | Fl - Fl | Flange Class |
| 82653 | 35 | 200 | 5.7 | Fl - Fl | Flange Class |

Flange joint not shown in image.

## ZAP® DICL Water PN20 General Purpose + Seal Coated

| Vinidex Code | PN | Nominal Size (mm) | Length (m) | Joint | Type |
|---|---|---|---|---|---|
| 82761 | 20 | 225 | 5.7 | SOC-SP | Potable Water |
| 82762 | 20 | 250 | 5.7 | SOC-SP | Potable Water |
| 82763 | 20 | 300 | 5.7 | SOC-SP | Potable Water |
| 82764 | 20 | 375 | 5.7 | SOC-SP | Potable Water |
| 82765 | 20 | 450 | 5.7 | SOC-SP | Potable Water |
| 82766 | 20 | 500 | 5.7 | SOC-SP | Potable Water |
| 82767 | 20 | 600 | 5.7 | SOC-SP | Potable Water |
| 82768 | 20 | 750 | 5.7 | SOC-SP | Potable Water |

## ZAP® DICL Sewer Pipes PN35 & PN25

| ZAP® Pipe - Sewer Water | | | |
|---|---|---|---|
| Application | Portable Water and Irrigation | | |
| Standarsd | AS/NZS 2280, 1646, 4020, 1831 - ISO8179-1, 16132 | | |
| Nominal Diamerter | 100, 150, 200, 225, 250, 300, 375, 450, 500, 600, 750 | | |
| Effective Length | 5700mm | | |
| Colour Identification |  |  |  |
| Band colour | Green Band | Red Band | Blue Band |
| Pressure Class | PN20 | PN35 | Flange Class |
| Joint Type | Elastomeric Rubber Rin - “T-Link” (Push-On) EPDM AS 1646 | | |
| Deflection | DN100 - DN250 3.5”, DN300 - DN600 2.5”, DN750 1” | | |
| External Coating | Metallic layer Topcoat | Zinc - Aluminium<br>Epoxy - Red | 400g / $m^2$<br>100um |
| Internal Lining | Cement Mortar AS 3972 type GP | | |
| Internal Socket Coating | Synthetic Resin - Blue | | |

*(MTO, Availale upon Request, MOQ applies).

## ZAP® DICL Sewer PN35

| Vinidex Code | PN | Nominal Size (mm) | Length (m) | Joint | Type |
|---|---|---|---|---|---|
| 82640 | 35 | 100 | 5.7 | SOC-SP | Sewer |
| 82641 | 35 | 150 | 5.7 | SOC-SP | Sewer |
| 82642 | 35 | 200 | 5.7 | SOC-SP | Sewer |
| 82643 | 35 | 225 | 5.7 | SOC-SP | Sewer |
| 82644 | 35 | 250 | 5.7 | SOC-SP | Sewer |
| 82645 | 35 | 300 | 5.7 | SOC-SP | Sewer |
| 82646 | 35 | 375 | 5.7 | SOC-SP | Sewer |
| 82647 | 35 | 450 | 5.7 | SOC-SP | Sewer |
| 82648 | 35 | 500 | 5.7 | SOC-SP | Sewer |
| 82649 | 35 | 600 | 5.7 | SOC-SP | Sewer |
| 82650 | 35 | 750 | 5.7 | SOC-SP | Sewer |

*Product is made to order

## LINX® DICL Water Pipes PN20 & PN35

| | LINX® Pipe - Potable Water | | |
|---|---|---|---|
| Application | Portable Water and Irrigation | | |
| Standarsd | AS/NZS 2280, 1646, 4020, 1831 - ISO 8179-1, 16132 | | |
| Nominal Diamerter | 100, 150, 200, 225, 250, 300, 375, 450, 500, 600, 750 | | |
| Effective Length | 5700mm | | |
| Colour Identification |  |  |  |
| Band colour | Green Band | Red Band | Blue Band |
| Pressure Class | PN20 | PN35 | Flange Class |
| Joint Type | Elastomeric Rubber Rin - “T-Link” (Push-On) EPDM AS 1646 | | |
| Deflection | DN100 - DN250 3.5”, DN300 - DN600 2.5”, DN750 1” | | |
| External Coating | Metallic layer Topcoat | Zinc<br>Bituman - Black | 200g / $m^2$<br>100um |
| Internal Lining | Cement Mortar AS 3972 type GP | | |
| Internal Socket Coating | Synthetic Resin - Red | | |

(Stocked DN100 & DN150) (MTO >DN200, MOQ applies)

## LINX® DICL Water PN20

| Vinidex Code | PN | Nominal Size (mm) | Length (m) | Joint | Type |
|---|---|---|---|---|---|
| 81873 | 20 | 225 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81875 | 20 | 250 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81877 | 20 | 300 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81879 | 20 | 375 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81881 | 20 | 450 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81883 | 20 | 500 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81885 | 20 | 600 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81887 | 20 | 750 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |

## LINX® DICL Water PN35

| Vinidex Code | PN | Nominal Size (mm) | Length (m) | Joint | Type |
|---|---|---|---|---|---|
| 81871 | 35 | 150 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81872 | 35 | 200 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81874 | 35 | 225 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81876 | 35 | 250 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81878 | 35 | 300 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81880 | 35 | 375 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81882 | 35 | 450 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81884 | 35 | 500 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81886 | 35 | 600 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |
| 81888 | 35 | 750 | 5.7 | Soc-Sp | DICL Pipe - Pot Water |

## LINX® DICL Sewer Pipes PN35 & PN20

| | | | |
|---|---|---|---|
| | LINX® Pipe - Sewer & Aggressive Fluids | | |
| Application | Portable Water and Irrigation | | |
| Standarsd | AS/NZS 2280, 1646, 4020, 1831 - ISO 8179-1, 16132 | | |
| Nominal Diamerter | 100, 150, 200, 225, 250, 300, 375, 450, 500, 600, 750 | | |
| Effective Length | 5700mm | | |
| Colour Identification |  |  |  |
| Band colour | Green Band | Red Band | Blue Band |
| Pressure Class | PN20 | PN35 | Flange Class |
| Joint Type | Elastomeric Rubber Rin - “T-Link” (Push-On) EPDM AS 1646 | | |
| Deflection | DN100 - DN250 3.5”<br>DN300 - DN600 2.5”<br>DN750 1” | | |
| External Coating | Metallic Layer Topcoat | Zinc<br>Red Epoxy | 200g / $m^2$<br>100um |
| Internal Lining | Cement Mortar - High Alumina AS 3972 type HAC | | |
| Internal Socket Coating | Synthetic Resin - Red | | |
| Seal Coating (Optional) | Interline 876 | | |

(MTO, available upon request, MOQ apply)

## LINX® DICL Sewer PN35

| Vinidex Code | PN | Nominal Size (mm) | Length (m) | Joint | Type |
|---|---|---|---|---|---|
| 82161 | 35 | 100 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82162 | 35 | 150 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82163 | 35 | 200 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82165 | 35 | 225 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82167 | 35 | 250 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82169 | 35 | 300 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82171 | 35 | 375 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82173 | 35 | 450 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82175 | 35 | 500 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82177 | 35 | 600 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82179 | 35 | 750 | 5.7 | Soc-Sp | DICL Pipe - Sewer |

## LINX® DICL Sewer PN20

| Vinidex Code | PN | Nominal Size (mm) | Length (m) | Joint | Type |
|---|---|---|---|---|---|
| 82164 | 20 | 225 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82166 | 20 | 250 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82168 | 20 | 300 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82170 | 20 | 375 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82172 | 20 | 450 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82174 | 20 | 500 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82176 | 20 | 600 | 5.7 | Soc-Sp | DICL Pipe - Sewer |
| 82178 | 20 | 750 | 5.7 | Soc-Sp | DICL Pipe - Sewer |

## Pipe Sleeving

| Vinidex Code | Nominal Size (mm) | Colour | Sleeves per roll | Type |
|---|---|---|---|---|
| 82089 | 100 | Blue | 30 | Rubber Ring |
| 82090 | 150 | Blue | 25 | Rubber Ring |
| 82091 | 200 | Blue | 20 | Rubber Ring |
| 82092 | 225/250 | Blue | 17 | Rubber Ring |
| 82093 | 300 | Blue | 15 | Rubber Ring |
| 82094 | 375 | Blue | 12 | Rubber Ring |
| 82095 | 450/500 | Blue | 10 | Rubber Ring |
| 82096 | 600 | Blue | 8 | Rubber Ring |
| 82097 | 750 | Blue | 7 | Rubber Ring |
| 82099 | 150 | Cream | 25 | Rubber Ring |
| 82100 | 200 | Cream | 20 | Rubber Ring |
| 82101 | 225/250 | Cream | 17 | Rubber Ring |
| 82102 | 300 | Cream | 15 | Rubber Ring |
| 82103 | 375 | Cream | 12 | Rubber Ring |
| 82104 | 450/500 | Cream | 10 | Rubber Ring |
| 82105 | 600 | Cream | 8 | Rubber Ring |
| 82106 | 750 | Cream | 7 | Rubber Ring |
| 82107 | 100 | Purple | 30 | Rubber Ring |
| 82108 | 150 | Purple | 25 | Rubber Ring |
| 82109 | 200 | Purple | 20 | Rubber Ring |
| 82110 | 225/250 | Purple | 17 | Rubber Ring |
| 82111 | 300 | Purple | 15 | Rubber Ring |
| 82112 | 375 | Purple | 12 | Rubber Ring |
| 82113 | 450/500 | Purple | 10 | Rubber Ring |
| 82114 | 600 | Purple | 8 | Rubber Ring |
| 82115 | 750 | Purple | 7 | Rubber Ring |

## Rubber Rings

| Vinidex Code | PN | Nominal Size (mm) | Type | EPDM |
|---|---|---|---|---|
| 82692 | 35 | 100 | T-Type Rubber Ring | Dual Hardness EPDM |
| 82694 | 35 | 150 | T-Type Rubber Ring | Dual Hardness EPDM |
| 82698 | 35 | 200 | T-Type Rubber Ring | Dual Hardness EPDM |
| 82699 | 35 | 225 | T-Type Rubber Ring | Dual Hardness EPDM |
| 82700 | 35 | 250 | T-Type Rubber Ring | Dual Hardness EPDM |
| 82710 | 35 | 300 | T-Type Rubber Ring | Dual Hardness EPDM |
| 85167 | 35 | 375 | T-Type Rubber Ring | Dual Hardness EPDM |
| 85168 | 35 | 450 | T-Type Rubber Ring | Dual Hardness EPDM |
| 85170 | 35 | 500 | T-Type Rubber Ring | Dual Hardness EPDM |
| 85172 | 35 | 600 | T-Type Rubber Ring | Dual Hardness EPDM |
| 85165 | 35 | 750 | T-Type Rubber Ring | Dual Hardness EPDM |

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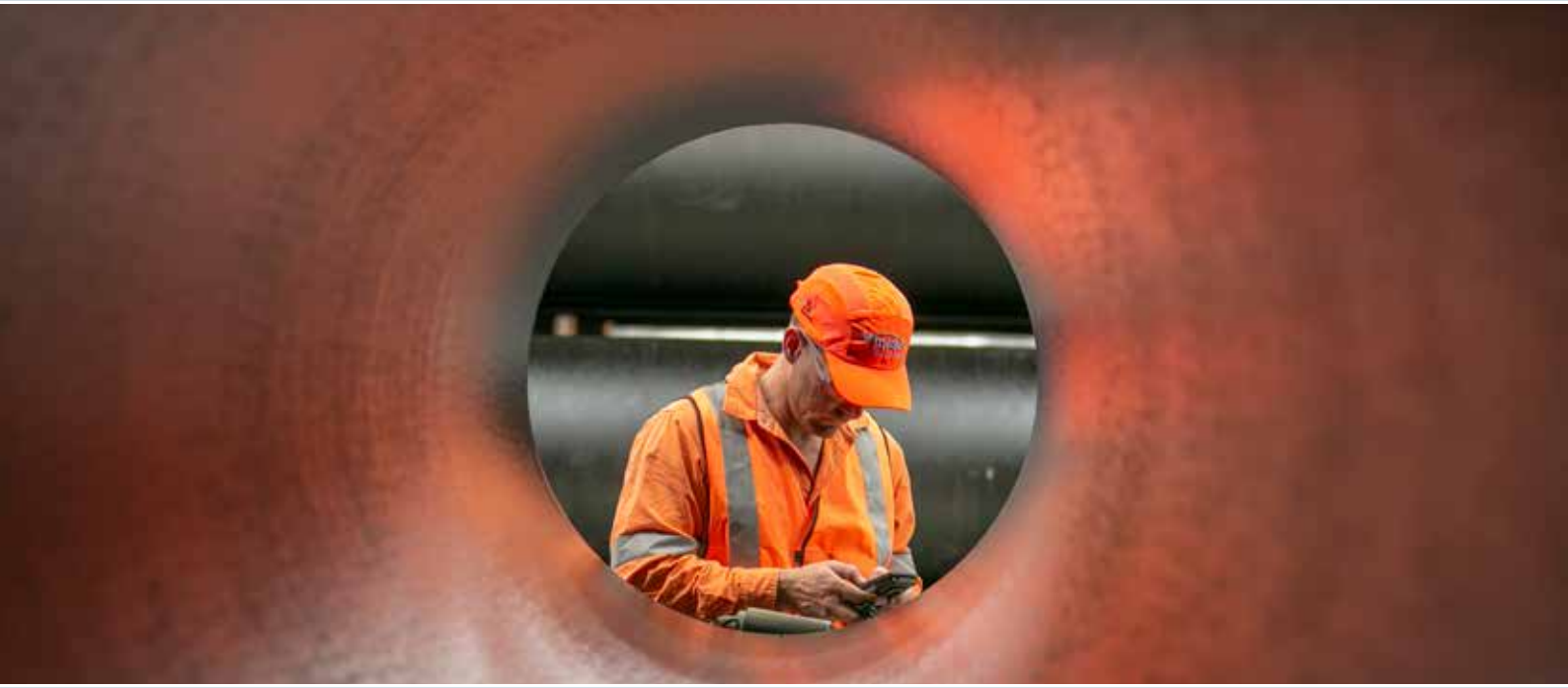



VIN001 - 13072021