

LINX™

DUCTILE IRON CEMENT LINED PIPE

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|--|------------|
| DN 225 – DN 750 | PN20 |
| Cement Lined, 200g/m ² ZINC Coating + Bitumen | |
| MODEL. VXDP2000 PN 20 | DN 225-750 |

For conveyance of potable water, raw water, irrigation water and sewerage under pressure.



LINX™ – Ductile iron pipes are supplied with 200g/m² zinc hot metal sprayed onto the external surface of the pipe plus 100micron bitumen finishing coat to inhibit corrosion.

Optional Portland, Sulphate Resisting and High Alumina Cement Mortar Internal Lining

Features & Benefits

- PN20 Allowable Operating Pressure
- High Strength Ductile Iron
- Optional Internal Seal Coating
- AS/NZS 2280:2014 Certified
- WSAA Appraisal No: 1605
- Proven and Reliable Rubber Ring Joint

Size Range DN225 – DN750

Effective Length 5.7m Standard

Pressure Rating

AOP 2.0 Mpa

MAOP 2.4 MPa

ASTP 2.5 Mpa

Joint Type AS 1646

Socket-Spigot “Push-On”

EPDM Rubber Ring Joint

Restrained rubber ring available on request

Cement Lining AS3972 GP, SR, CAC

OPC – Ordinary Portland Cement

CAC – Calcium Aluminate Cement

SRC – Sulphate Resistant Cement

Optional Seal Coat ISO 16132

Bituminous Interline 876

External Coating Metallic Zinc ISO 8179-1

200gm² Zinc + 100 micron 100µm Bitumen topcoat

400gm² Zinc Alum + Blue/Red Epoxy Topcoat

Polyethylene Sleeving AS 3860 & AS3681

Protection against corrosive soils is achieved by the application of polyethylene sleeving

Polyethylene (PE) Sleeving

is a proven and cost effective means of corrosion protection.

Training in the correct application of PE sleeving is recommended.



| PN20 DICL PIPE PERFORMANCE DATA | | | | | | | | | |
|-------------------------------------|--------|------|------|------|------|------|------|------|-------|
| Nominal size | DN | 225 | 250 | 300 | 375 | 450 | 500 | 600 | 750 |
| Mean External Diameter | mm | 259 | 286 | 345 | 426 | 507 | 560 | 667 | 826 |
| Mean Internal Diameter | mm | 239 | 266 | 325 | 406 | 486 | 538 | 643 | 798 |
| Effective Length | m | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| Mass Including CML | kg | 216 | 239 | 289 | 370 | 472 | 548 | 717 | 1,048 |
| AOP – Allowable Operating pressure | MPa | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| MAOP – Max Allow Operating Pressure | MPa | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| ASTP – Allowable Site Test Pressure | MPa | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| Nominal barrel ring stiffness | kN/m/m | 69 | 51 | 29 | 16 | 13 | 12 | 11 | 10 |
| Joint deflection | deg | 3.5 | 3.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1 |

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|---|---|
| Allowable Operating Pressure (AOP) | The allowable internal pressure, excluding surge that a component can safely withstand in service. Ductile iron pipe is classified by the PN number, based on the AOP |
| Maximum Allowable Operating Pressure (MAOP) | Maximum internal pressure, including surge, that a component can safely withstand in service |
| Allowable Site Test Pressure (ASTP) | Maximum pressure applied on site in a newly installed pipeline, includes a safety factor and allowance for surge |

Note - DN100, DN150 & DN200 are not available in pressure class PN20.