

LINX™

DUCTILE IRON CEMENT LINED PIPE

DN 100 – DN 750	PN35
Cement Lined, 200g/m ² ZINC Coating + Bitumen	
MODEL. VXDP3500 PN 35	DN 100-750

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

- PN35 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 DN100 – DN750

Effective Length 5.7m Standard

Pressure Rating

AOP 3.5 Mpa

MAOP 4.2 MPa

ASTP 4.37 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.



PN35 DICL PIPE PERFORMANCE DATA

Nominal size	DN	100	150	200	225	250	300	375	450	500	600	750
Mean External Diameter	mm	122	177	232	259	286	345	426	507	560	667	826
Mean Internal Diameter	mm	105	160	215	242	268	326	405	483	535	639	792
Effective Length	m	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Mass Including CML & Socket	kg	102	150	200	232	270	356	501	661	779	1080	1596
AOP – Allowable Operating pressure	MPa	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
MAOP – Max Allow Operating Pressure	MPa	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
ASTP – Allowable Site Test Pressure	MPa	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37
Pipe Wall Thickness (Min)	mm	3.5	3.5	3.5	3.5	3.6	4.3	5.3	6.3	7.0	8.3	10.2
Pipe Wall Thickness (Nominal)	mm	4.93	5.0	5.0	5.0	5.2	5.9	7.0	8.1	8.8	10.2	12.3
Nominal barrel ring stiffness	kN/m/m	816	267	117	83	68	58	53	49	47	44	42
Allowable Deflection	%	4	4	4	4	4	4	4	4	4	4	4
Joint deflection	deg	3.5	3.5	3.5	3.5	3.5	2.5	2.5	2.5	2.5	2.5	1
No. Pipes per Semi Trailer	p/ST	190	130	90	72	64	56	50	32	24	18	8

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