

# SPELFlow ADS Pipe

N12 ADS HDPE water tight & perforated drainage pipe



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## APPLICATIONS

- Railways
- Mine sites
- Civil stormwater
- Conveyance
- Detention
- Irrigation

ADS N12 HDPE pipe is a dual wall (outer corrugated wall and smooth inner wall) pipe. The pipe is engineered with a compound of high density virgin polyethylene resin to provide high strength material properties.

A patented gasket held in place by a ceramic band increases its sealing effectiveness as internal or external hydrostatic pressure increases. The in-line bell and spigot joint, factory fitted gasket and light weight provides for quick installation. ADS pipe has been extensively tested and certified against Australian and international standards, including AASHTO, IAB, AS2566.1 and AS5100.2.



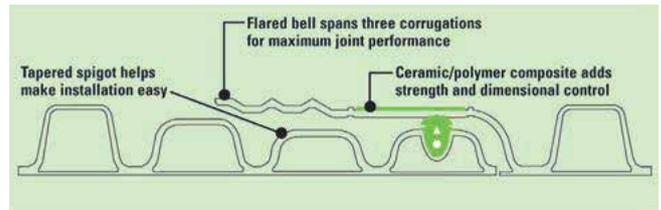
## FEATURES

- Supports AS5100.2 highway and railway loads
- Installation and design in accordance with AS2566
- Low Manning's due to smooth polyethylene interior
- Excellent abrasion and chemical resistance
- Light weight and robust
- No bell hole dig required due to constant outside diameter along the joint

## BENEFITS

- Structural – low cover (300mm min) and deep burial installations. The HDPE grade used has a 50% higher long term modulus than PE 100. Better polymer allows less material to be used to carry AS5100.2 live loads safely long term. Our 435400C HDPE and pipe design values are independently audited by expert government employed material and structural engineers.
- Low risk – light weight, fewer joints, reduced OHS issues for installation. Pipe requires no extra couplers, grout or other sealants for installation due to built-in bell and factory-installed gasket. This means fewer components to risk performance.
- Cost – installation cost savings with light weight pipes. Less heavy equipment required and the pipes can easily be cut to the required lengths.
- Reduced wastage – not susceptible to bell chipping and cracking common to concrete pipes. Cut lengths can be used to begin the next pipe run.
- Low CO2 – significantly lower embodied energy compared to concrete, PVC and polypropylene pipes.
- Hydraulic efficiency – low Manning's n due to smooth polyethylene interior.
- Durability – 435400C Cell Class HDPE with 2% carbon black has a design life of 100 years and is recyclable.
- Chemical – abrasion resistant and suitable for acid sulfate soils and highly abrasive flows.

# SPECIFICATIONS



PART CODE	NOMINAL I.D. (mm)	ACTUAL I.D. (mm)	O.D. (mm)	LENGTHS (m)	WEIGHTS (kg)
100mm ADS N12 Pipe	100	104	120	5.6	4.1
150mm ADS N12 Pipe	150	152	176	5.6	7.7
200mm ADS N12 Pipe	200	200	233	5.6	14
250mm ADS N12 Pipe	250	251	287	5.6	21
300mm ADS N12 Pipe	300	308	367	5.6	29
375mm ADS N12 Pipe	375	380	448	5.6	42
450mm ADS N12 Pipe	450	459	536	5.6	58
600mm ADS N12 Pipe	600	612	719	5.6	100
750mm ADS N12 Pipe	750	762	892	5.6	146
900mm ADS N12 Pipe	900	914	1059	5.6	192
1050mm ADS N12 Pipe	1050	1054	1212	5.6	240
1200mm ADS N12 Pipe	1200	1209	1361	5.6	284
1500mm ADS N12 Pipe	1500	1514	1664	5.3	424



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We believe clean water is a right not a privilege and we work to ensure a joy in water experience for you with your children and grandchildren.



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