

SUPERBOSS®

PRODUCT CATALOGUE

Version 1.0 January 2021



Established in 1954, Waters & Farr is a leading New Zealand manufacturer of high performance polyethylene and polypropylene pipe for civil, utilities and rural applications.

Overview

Manufacturing and distribution sites in Whanganui and Rangiora, supported by an additional distribution centre in Auckland, ensure timely product supply to customers throughout New Zealand. Waters & Farr products are distributed to installers and asset owners through a nationwide network of merchant stockists servicing the civil, utilities and rural sectors.

Waters & Farr is committed to continuous improvement. Ongoing investment in plant and equipment is focussed on meeting customer needs and delivering innovative solutions. Our comprehensive range of polyethylene and polypropylene pipe extends from 13mm to 4000mm in diameter.

Commitment to quality

- Waters & Farr maintains a quality management system certification to ISO 9001
- Certification licences to AS/NZS 4130 and AS/NZS 5065 are maintained via independent third party verification.
- PipeTest NZ, a division of Waters & Farr, was established as an independent IANZ accredited testing laboratory. PipeTest NZ conducts a comprehensive range of pipe and fusion joint testing on pipeline products for Waters & Farr and external parties.
- Waters & Farr operates under founding values that underpin our business practices in order to deliver positive outcomes for our people and our customers.

How To Find Us

PO Box 101,
Whanganui 4541
New Zealand
P 0800 923 7473
F +64 6 344 8088
www.watersandfarr.co.nz

Waters & Farr Terms and Conditions

Information or advice contained in this catalogue or obtained from Waters & Farr otherwise is given in good faith. Waters & Farr makes no warranty or representation regarding the information, opinions and recommendations contained in this catalogue. Users of this catalogue are advised to seek and rely upon their own professional advice and assessment of the matters contained in this catalogue. Waters & Farr excludes all liability to any user of this catalogue for consequential or indirect damages, or any other form of compensation or relief whatsoever for any acts or omissions of Waters & Farr, arising out of or in connection with the use of this catalogue irrespective of whether the same arises at law, inequity or otherwise.

BACKGROUND

In recent years the specification and use of twin wall High Density Polyethylene (HDPE) corrugated pipe for stormwater drainage has increased dramatically. Advantages, such as the pipe's strength, durability and joint integrity increase the long-term cost-effectiveness.

Results show that forward-thinking municipalities are realising the future of storm water management relies on the best available technology. SuperBoss® HDPE corrugated pipes manufactured from the highest quality PE100 materials are the most technologically advanced product available to move storm water and waste water.

Storm water management is a critical component to ensure the long-term viability of public and private economic investments. HDPE corrugated pipes are the proven, reliable, cost-effective and safe solution for your long-term drainage needs.

Waters & Farr offers a range of products to meet the critical demands of engineering design and contractor communities. SuperBoss® PE100 corrugated pipes are manufactured with a co-extruded twin wall, the end product has a smooth bore inner layer and a corrugated outer layer which provides a high stiffness to weight ratio for non-pressure applications.

SuperBoss® Stormwater Pipes are manufactured in conformance with AS/NZS 5065 at SN8 stiffness rating (up to DN2000)



ADVANTAGES

PIPE WEIGHT

SuperBoss® twin wall pipes are light weight compared to traditional materials which allows simpler and faster installation. Most of the handling can be done by an excavator on site or even by hand.

COST EFFECTIVE SOLUTIONS

Stormwater and sewer applications demand high performance and minimised cost. SuperBoss® pipe is a competitively priced solution where installation costs are generally lower than other pipe materials, due to their light weight and jointing options. Fast installation minimises traffic disruption and other nuisance factors associated with underground installations.



LONG LIFE

AS/NZS 5065 predicts a life in excess of 100 years before major rehabilitation is required, subject to correct design and installation.

INSTALLATION

Installation time is fast due to light weight and ease of handling in conjunction with the rubber ring joint system. Pipe lengths are typically 5.8 metres meters long. Fewer lifts mean unloading and loading the pipes into position saves time.

SUPERBOSS® PIPES

DN525-4000MM

HDPE (PE100) CULVERTS

SuperBoss® pipes are twin wall High Density Polyethylene (HDPE) pipes that are corrugated on the exterior and smooth on the interior for increased flow capabilities. SuperBoss® pipes are a high performance product that is strong, durable and offers soil tight joints. They are also lightweight and easier to install than other materials, yet offer superior weather resistance. SuperBoss® will not corrode, crack or shatter, and are not affected by freeze/thaw cycles. SuperBoss® pipes can be used on main road and rail networks.

SuperBoss® pipes meet AS/NZS 5065 standard, are designed and installed to AS/NZS 2566.1 and AS/NZS 2566.2 standards as well as being conformant to NZTA culvert specification.



SUPERBOSS® PIPE DIMENSIONS

W&F Code	Nominal Diameter (DN)	Description	Outside Diameter (mm)	Internal Diameter (mm)	Nominal Overall Length (mm)	Effective Length (mm)	Stiffness Class (SN)	Joining Method
CUL525	525	DN525 ID SUPERBOSS SN8 PE100 TWP 5.8M	595	514	5800	5535	8	Rubber Ring
CUL525R		DN525 SUPERBOSS PIPE RING						
CUL600	600	DN600 ID SUPERBOSS SN8 PE100 TWP 5.8M	672	591	5800	5510	8	Rubber Ring
CUL600R		DN600 SUPERBOSS PIPE RING						
CUL750	750	DN750 ID SUPERBOSS SN8 PE100 TWP 5.8M	835	731	5800	5500	8	Rubber Ring
CUL750R		DN750 SUPERBOSS PIPE RING						
CUL900	900	DN900 ID SUPERBOSS SN8 PE100 TWP 5.8M	995	869	5800	5510	8	Rubber Ring
CUL900R		DN900 SUPERBOSS PIPE RING						
CUL1050	1050	DN1050 ID SUPERBOSS SN8 PE100 TWP 5.8M	1228	1057	5800		8	Rubber Ring
CUL1050R		DN1050 SUPERBOSS PIPE RING						

Stocked sizes, subject to availability.

Overall and effective lengths may change without notice.

Measurements are approximate and subject to change without notice.

Pipe rings sold separately.

Nominal Diameter (DN)	Outside Diameter (mm)	Internal Diameter (mm)	Nominal Overall Length (mm)	Stiffness Class (SN)	Joining Method
1050*	1216	1050	6160	8	Rubber Ring
1200*	1370	1200	6160	8	Rubber Ring
1500*	1686	1500	6160	8	Rubber Ring
1600*	1794	1600	6160	8	Rubber Ring
1800*	1982	1800	6160	8	Rubber Ring
2000*	2170	2000	6160	8	Rubber Ring
2500	2694	2500	5960	2	Electro Fusion
3000	3214	3000	5660	1.7	Rubber Ring
3500	3714	3500	5660	1.1	Rubber Ring
4000	4214	4000	5660	0.7	Rubber Ring

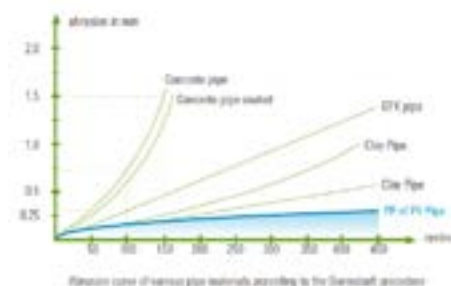
Made to order.

Overall and effective lengths may change without notice.

Measurements are approximate and subject to change without notice.

*Also Available with an electro-fusion joint.

ABRASION RESISTANCE



Polyethylene and polypropylene pipes are among the most abrasion resistant pipes in the world. This has been tested in the Darmstadt procedure and the results are shown in the diagram to the left and supports the quality of polyethylene pipes.

UV-RESISTANCE

Commonly most natural materials and other plastics are degraded by weathering effects, particularly by the combined impact of short-wave ultraviolet radiation in sunlight and atmospheric oxygen.

Black polyethylene pipes are permanently resistant to atmospheric corrosion and UV radiation, as the polyethylene used contains carbon black which acts as both a pigment and an ultra violet stabiliser. Thus the pipes can be used and stored outside without the pipe material being damaged

JOINTING

The following step by step procedure is recommended when joining corrugated pipes.

STEP 1

Clean both the pipe socket and spigot, making sure they are free from any debris.



STEP 4

Apply joining lubricant.



STEP 2

Apply the rubber ring by stretching it over the spigot so that it rests between the first and second corrugations.



STEP 5

Apply an even joining force until the spigot end comes into contact with the inner wall of the socket (A timber glut and crowbar may be used if circumstances permit).



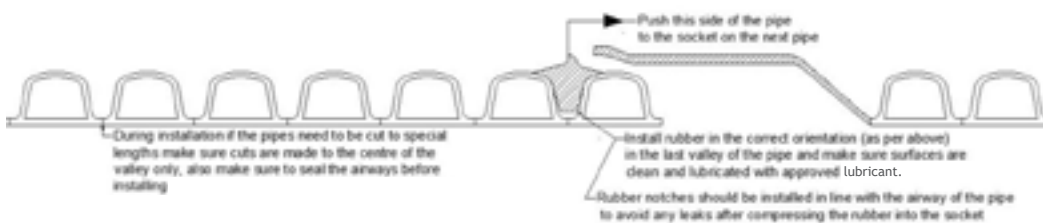
STEP 3

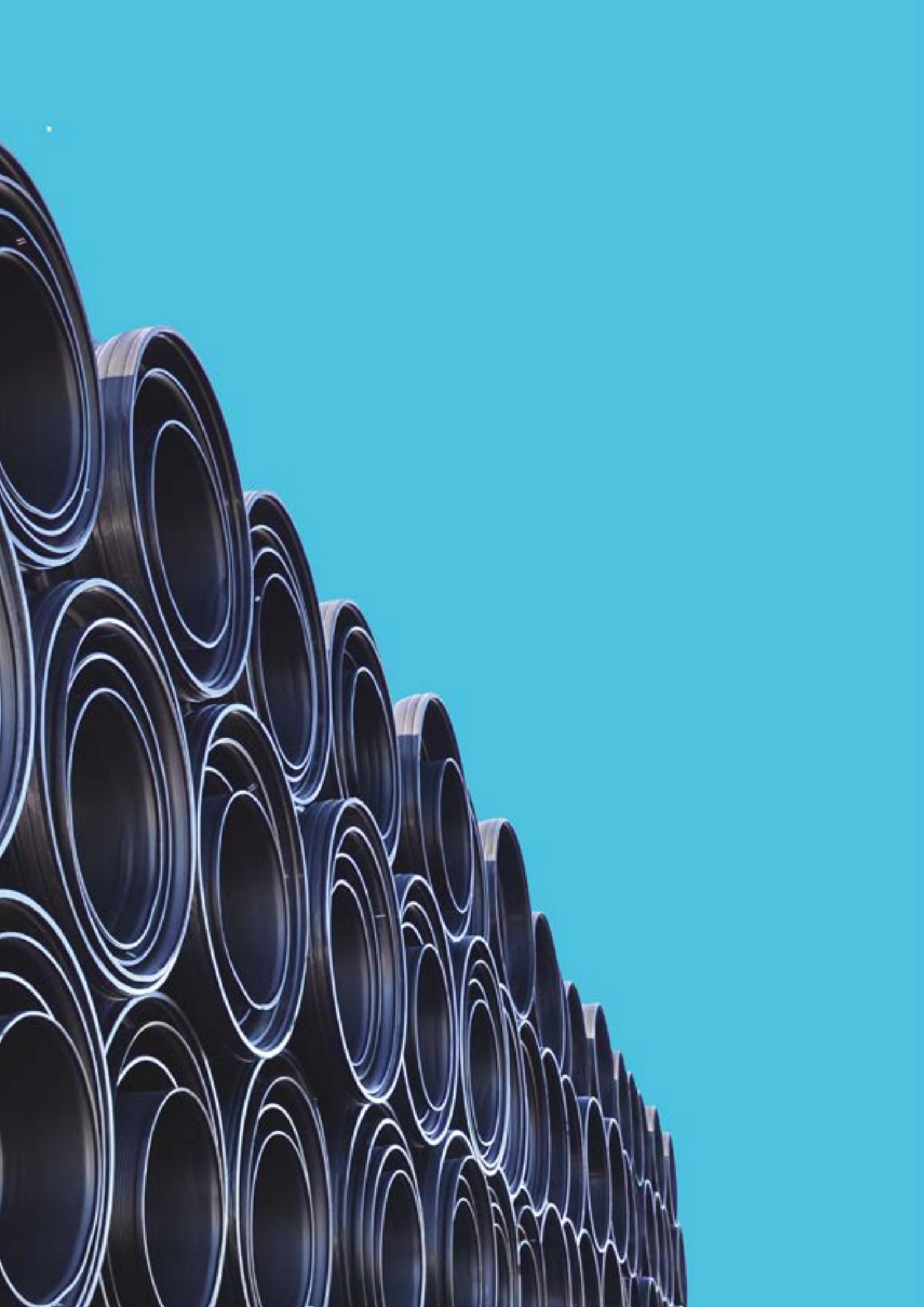
Ensure that the rubber ring is fitted by running your fingers around it.



Important information for rubber orientation and cutting of SuperBoss® Corrugated pipe from 525-1050mm

- During installation if the pipes need to be cut to special lengths make sure cuts are made to the centre of the valley only, also make sure to seal the airways before installing.
- Install rubber in the correct orientation (as per below picture) in the last valley of the pipe and make sure surfaces are clean and lubricated with approved lubricant.
- Rubber notches should be installed in line with the airway of the pipe to avoid any leaks after compressing the rubber into the socket
- For pipe sizes DN1050 and above special jointing may be required for field cuts so please contact Waters & Farr for more information.





SuperBoss® Product Catalogue

Version.1.01