

FarmBoss®

Twin Wall Polyethylene & Polypropylene

Technical Guide R2.6

The benchmark in rural culvert and drainage piping, FarmBoss® is an extruded twin wall polyethylene or polypropylene pipe that ticks all the boxes when it comes to tough rural drainage application.



Applications

Farm and forestry culverts

Dairy shed runoffs

Field drainage

Stream diversion

Product Attributes

Fully sealed flexible joint system

Durable and light weight

Hydraulic efficiency

Proven resistance to impact, chemical attack and abrasion

UV resistant – will not go brittle when exposed to sunlight

Quick and easy transportation and installation

Environmentally friendly and fully recyclable

Large range of sizes available

Approvals/Standards

NZ made and supported locally (technical, marketing and service)

Quality/Environment/Health & Safety

ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018

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Design Specifications

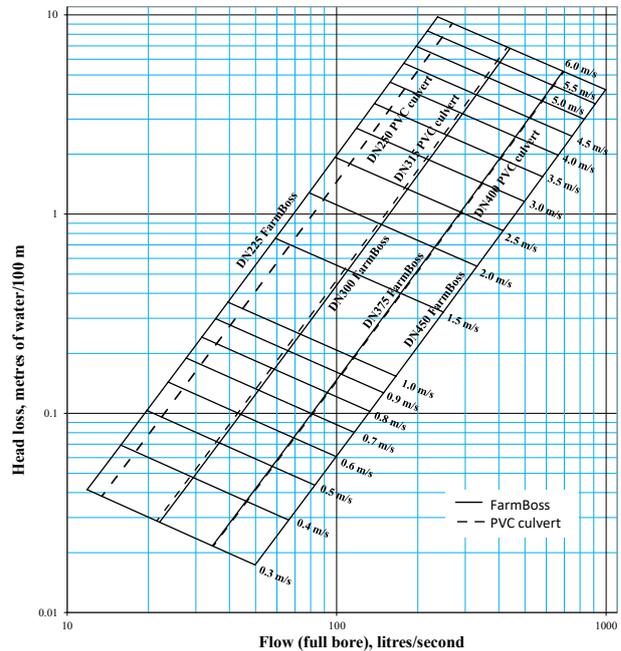
- PE or PP twin-wall pipe with a smooth internal bore and a load-defeating corrugated exterior wall.
- 6 m length with easy anchoring points.
- Suitable for effluent dispersal when installed with a rubber ring.
- 225 – 450 mm nominal ID diameter size range.
- FarmBoss® is typically rated SN6. Civilboss is SN16.
- No toxic leaching – recommended for environmental considerations.
- Comes with integral collars, but if you need couplers, these are available.

Transportation & Handling

- A long section of FarmBoss® pipe can easily be carried by two men, resulting in significant savings in time, labour, machinery – and therefore costs.
- FarmBoss® can be transported on utility vehicles using roof racks and even small trailers and farm bikes.

TABLE 1

Nominal ID (mm)	Typical OD (mm)	Length (m)
225	259	6 m SOE
300	353	6 m SOE
375	442	6 m SOE
450	531	6 m SOE



Installation

- FarmBoss® is easily and quickly cut on-site to lengths to suit the needs of the job – no fuss, no hold-ups, no hassles.
- All installation practices for buried flexible pipelines are given in AS/NZS 2566.2.
- As a general guideline, the trench should be excavated to a bed width ensuring sufficient clearance (l_c) between the pipe and trench walls.
- The embedment of FarmBoss® in normal soil should be granular material, free from rocks and other hard or sharp objects, with the maximum particle size of 20 mm, preferably in the particle size range of 14 mm.
- The recommended minimum thickness of compacted bedding (l_b) is 100 mm for sizes up to 375 mm diameter and 150 mm for 450 mm diameter.
- Compact side supports (l_c) in layers of material no more than 150 mm.
- Construct embedment material overlay of a minimum thickness (l_o) of 150 mm.

Minimum trench width (B)

- 225 mm ID diameter – 0.56 m
- 300 mm ID diameter – 0.75 m
- 375 mm ID diameter – 0.84 m
- 450 mm ID diameter – 1.13 m

Minimum Cover (H)

- Installed under areas not subject to traffic or heavy loads – 0.30 m.
- Installed under areas zoned for agriculture use – 0.60 m.
- Installed under roads (unsealed) or subject to heavy loads – 0.75 m.
- Maximum cover varies with soil type. In firm clay soil, it is not recommended to install FarmBoss® at a depth over 6 m.

Note: Recommended minimum dimensions of the trench width can be downloaded from the Waters & Farr website at www.watersandfarr.co.nz. Suitability of the pipe for the minimum or specific cover shall be assessed by the design to AS/NZS 2566.1

Also available is a range of SuperBoss Culvert pipe from sizes 525mm up to 2000mm nominal internal diameter. A range of slotted culvert pipes are also available.

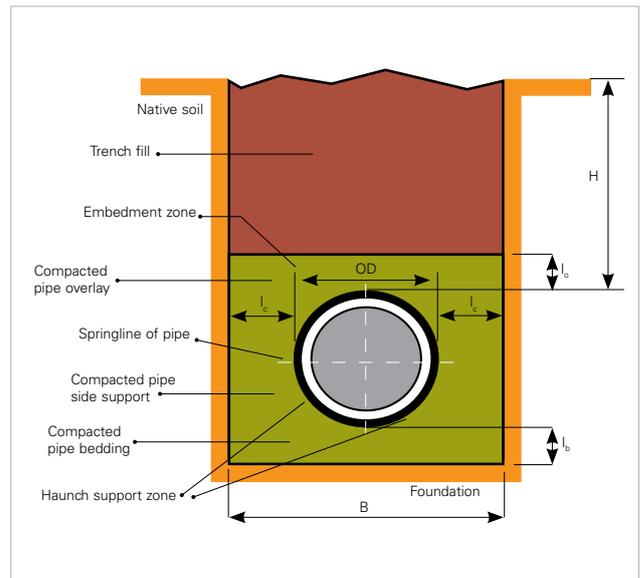


TABLE 2 Product Range

Product Code	Description	Dimensions	Weight (kg)
225 mm Internal Diameter			
550.225.6FBS	Socketed	225 mm x 6 m	18
300 mm Internal Diameter			
550.300.6FBS	Socketed	300 mm x 6 m	34
375 mm Internal Diameter			
550.375.6FBS	Socketed	375 mm x 6 m	52
450 mm Internal Diameter			
550.450.6FBS	Socketed	450 mm x 6 m	71



Branches Nationwide *Support Office & Technical Services 09 274 0316*

Disclaimer: While every effort has been made to ensure that the information in this document is correct and accurate, users of Hynds product or information within this document must make their own assessment of suitability for their particular application. Product dimensions are nominal only, and should be verified if critical to a particular installation. No warranty is either expressed, implied, or statutory made by Hynds unless expressly stated in any sale and purchase agreement entered into between Hynds and the user.