## RURAL PIPE product catalogue




# 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 13 mm to 1200 mm in diameter.

## Commitment to quality

- Waters \& Farr maintains a quality management system certification to ISO 9001
- 'S' mark certification to AS/NZS 4130 and AS/NZS 5065 is 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

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## DEFINITIONS

## SDR

Standard Dimension Ratio - a nominal ratio of the plain wall pipe outside diameter to its wall thickness

## DN

Nominal size:

- Metric pipes - Minimum Outside Diameter (OD) at $20^{\circ} \mathrm{C}$ in mm
- LDPE and FarmBoss® pipes - Nominal Inside Diameter in mm


## SN

Nominal Pipe Stiffness expressed in $\mathrm{KN} / \mathrm{m} / \mathrm{m}$

## PN

Nominal working internal pressure at $20^{\circ} \mathrm{C}$ for a water conveying pipe expressed in bar.

## PE and PP

- PE - Polyethylene
- PE 100 and base resins used for its manufacture
- LDPE - Low Density Polyethylene
- PP - Polypropylene


## PRESSURE RATING

## PIPES TO AS/NZS 4130, SERIES

TABLE 1

| PN | SDR | Nominal Working Pressure for Water at $20^{\circ} \mathrm{C}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | PE 100 | MPa | kPa | bar | p.s.i. | mph |
| 3.2 | - | 0.32 | 320 | 3.2 | 46 | 32 |
| 4 | SDR 41 | 0.40 | 400 | 4.0 | 58 | 40 |
| 6.3 | SDR 26 | 0.63 | 630 | 6.3 | 91 | 63 |
| 8 | SDR 21 | 0.80 | 800 | 8.0 | 116 | 80 |
| 10 | SDR 17 | 1.00 | 1000 | 10.0 | 145 | 100 |
| 12.5 | SDR 13.6 | 1.25 | 1250 | 12.5 | 181 | 125 |
| 16 | SDR 11 | 1.60 | 1600 | 16.0 | 232 | 160 |
| 20 | SDR 9 | 2.00 | 2000 | 20.0 | 290 | 200 |
| 25 | SDR 7.4 | 2.50 | 2500 | 25.0 | 362 | 250 |

## FEATURES AND BENEFITS

- Comprehensive

The FarmFlow range offers pressure and irrigation pipes of various pressure ratings, diameters and lengths that fully meet livestock, cropping and orchardist needs.

## - Durable

Correctly designed, installed and operated, buried FarmFlow pipe can be expected to offer reliable service in excess of 100 years and is resistant to a large range of agricultural chemicals and active bloat treatments.

## - High Quality

FarmFlow metric pipe is manufactured in accordance with AS/NZS4130 under a quality system accredited to ISO 9001.

## - Flexible

FarmFlow pipes are lightweight, strong and flexible and are suitable for installation by trenching, ploughing and directional drilling.

## - Versatile

FarmFlow allows the farm owner and designer to combine pipe pressure and diameters to create the most effective and low cost water distribution system.

## - Efficient

FarmFlow metric pipes are made of PE100, which compared to MDPE allows for thinner wall thickness and increased flow in relation to diameter.

DIMENSIONS
POLYETHYLENE PIPES TO AS/NZS 4130 SERIES 1

TABLE 2

| DN | Pipe OD (mm) |  | SDR 21 |  | SDR17 |  | SDR13.6 |  | SDR11 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Min | Max | Average wall thickness (mm) | Average ID (mm) | Average wall thickness (mm) | Average ID (mm) | Average wall thickness (mm) | Average ID (mm) | Average wall thickness (mm) | Average ID (mm) |
| 25 | 25.0 | 25.3 | - | - | 1.8 | 21.7 | 2.1 | 21.1 | 2.5 | 20.2 |
| 32 | 32.0 | 32.3 | 1.8 | 28.7 | 2.1 | 28.1 | 2.6 | 27.0 | 3.1 | 26.0 |
| 40 | 40.0 | 40.4 | 2.1 | 36.1 | 2.6 | 35.0 | 3.2 | 33.8 | 4.0 | 32.3 |
| 50 | 50.0 | 50.5 | 2.6 | 45.1 | 3.2 | 43.9 | 4.0 | 42.4 | 4.9 | 40.4 |
| 63 | 63.0 | 63.6 | 3.2 | 56.9 | 4.1 | 55.2 | 5.0 | 53.3 | 6.2 | 51.0 |
| 75 | 75.0 | 75.7 | 3.9 | 67.7 | 4.8 | 65.8 | 5.9 | 63.7 | 7.2 | 61.0 |
| 90 | 90.0 | 90.9 | 4.6 | 81.3 | 5.8 | 79.0 | 7.0 | 76.5 | 8.7 | 73.1 |
| 110 | 110.0 | 111.0 | 5.7 | 99.2 | 7.0 | 96.5 | 8.6 | 93.3 | 10.6 | 89.4 |
| 125 | 125.0 | 126.2 | 6.4 | 112.9 | 7.9 | 109.9 | 9.8 | 106.1 | 12.1 | 101.5 |
| 140 | 140.0 | 141.3 | 7.1 | 126.5 | 8.8 | 123.1 | 10.9 | 118.9 | 13.4 | 113.9 |
| 160 | 160.0 | 161.5 | 8.2 | 144.5 | 10.1 | 140.7 | 12.5 | 135.9 | 15.4 | 130.0 |
| 180 | 180.0 | 181.7 | 9.1 | 163.1 | 11.3 | 158.3 | 14.1 | 152.8 | 17.3 | 146.3 |
| 200 | 200.0 | 201.8 | 10.2 | 180.6 | 12.6 | 175.8 | 15.5 | 170.1 | 19.2 | 162.5 |
| 225 | 225.0 | 227.1 | 11.4 | 203.3 | 14.2 | 197.8 | 17.5 | 191.1 | 21.6 | 182.9 |
| 250 | 250.0 | 252.3 | 12.6 | 226.1 | 15.6 | 220.0 | 19.4 | 212.4 | 23.9 | 203.4 |
| 280 | 280.0 | 282.6 | 14.2 | 253.0 | 17.5 | 246.3 | 21.7 | 237.9 | 26.8 | 227.8 |
| 315 | 315.0 | 317.9 | 15.8 | 284.9 | 19.7 | 276.6 | 24.5 | 267.6 | 30.1 | 256.3 |
| 355 | 355.0 | 358.2 | 17.8 | 321.0 | 22.3 | 312.1 | 27.5 | 301.6 | 33.9 | 288.8 |
| 400 | 400.0 | 403.6 | 20.2 | 361.5 | 25.0 | 351.9 | 31.0 | 339.9 | 38.2 | 325.4 |
| 450 | 450.0 | 454.1 | 22.7 | 406.8 | 28.1 | 395.9 | 34.9 | 382.4 | 43.0 | 366.1 |
| 500 | 500.0 | 504.5 | 25.2 | 452.0 | 31.2 | 440.0 | 38.7 | 424.9 | 47.8 | 406.8 |
| 560 | 560.0 | 565.0 | 28.1 | 506.4 | 35.0 | 492.7 | 43.4 | 475.9 | 53.4 | 455.8 |
| 630 | 630.0 | 635.7 | 31.6 | 569.8 | 39.3 | 554.4 | 48.7 | 535.5 | 60.2 | 512.6 |
| 710 | 710.0 | 716.4 | 35.7 | 641.9 | 44.3 | 624.6 | 54.9 | 603.4 | 67.8 | 577.6 |
| 800 | 800.0 | 807.2 | 40.1 | 723.4 | 49.9 | 703.9 | 61.8 | 680.0 | 76.3 | 651.0 |
| 900 | 900.0 | 908.1 | 45.1 | 813.9 | 56.3 | 791.7 | 69.6 | 764.9 | 85.9 | 732.4 |
| 1000 | 1000.0 | 1009.0 | 50.2 | 904.2 | 62.4 | 879.8 | 76.2 | 852.1 | 95.4 | 813.7 |
| 1200 | 1200.0 | 1210.0 | 60.2 | 1084.7 | 74.2 | 1057.2 | 92.7 | 1020.0 | - | - |



## FARMFLOW RURAL PIPE

## FarmFlow Greenstripe

FARMFLOW GREENSTRIPE PIPE TO AS/NZS 4130 SERIES 1 PN8 (8 BAR AT 20º ${ }^{\circ}$ ) SDR 21 PE100

| Item Code | $\begin{gathered} \text { DN } \\ \text { (OD) } \end{gathered}$ | Stocked Lengths ( $m$ ) |  |  | Av. Wall (mm) | Av. ID (mm) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 50 | 100 | 200 |  |  |
| RH32.21...GRN | 32 | $\checkmark$ | $\checkmark$ | $\checkmark$ | 1.8 | 28.6 |
| RH40.21...GRN | 40 | $\checkmark$ | $\checkmark$ | $\checkmark$ | 2.1 | 36.1 |
| RH50.21...GRN | 50 | $\checkmark$ | $\checkmark$ | $\checkmark$ | 2.6 | 45.0 |
| RH63.21...GRN | 63 | $\checkmark$ | $\checkmark$ | $\checkmark$ | 3.2 | 56.9 |


*Full product code includes pipe length. Example: RH32.21 pipe in 100m length - code: RH32.21.100GRN
MTO = Made to Order

## FarmFlow Redstripe

FARMFLOW REDSTRIPE PIPE TO AS/NZS 4130 SERIES 1 PN10 (10 BAR AT 20º ${ }^{\circ}$ ) SDR 17 PE100

| Item Code | $\begin{gathered} \text { DN } \\ \text { (OD) } \end{gathered}$ | Stocked Lengths ( $m$ ) |  |  | Av. Wall (mm) | Av. ID (mm) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 50 | 100 | 200 |  |  |
| RH25.17...RED | 25 | $\checkmark$ | $\checkmark$ | $\checkmark$ | 1.8 | 21.6 |
| RH32.17...RED | 32 | $\checkmark$ | $\checkmark$ | $v$ | 2.1 | 28.0 |
| RH40.17...RED | 40 | $\checkmark$ | $\checkmark$ | $\checkmark$ | 2.6 | 35.0 |
| RH50.17...RED | 50 | $\checkmark$ | $\checkmark$ | $\checkmark$ | 3.2 | 43.8 |
| RH63.17...RED | 63 | $\checkmark$ | $\checkmark$ | $\checkmark$ | 4.1 | 55.2 |
| RH75.17...RED | 75 | MTO | MTO |  | 4.8 | 65.7 |

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## FarmFlow Purplestripe

FARMFLOW EFFLUENT PURPLESTRIPE PIPE TO AS/NZS 4130 SERIES 1 PN8 (8 BAR AT $\mathbf{2 0}^{\circ} \mathrm{C}$ ) SDR 21 PE100
$\left.\begin{array}{lccccccc}\text { Item Code } & \text { DN } \\ \text { (OD) }\end{array}\right)$
*Full product code includes pipe length. Example: RH75.21...PUR pipe in 100m length - code: RH75.21.100PUR MTO = Made to Order


## FarmFlow Blackstripe

FARMFLOW BLACK PIPE TO AS/NZS 4130 SERIES 1 PN12.5 (12.5 BAR AT $20^{\circ} \mathrm{C}$ ) SDR13.6 PE100

| Item Code | $\begin{gathered} \text { DN } \\ \text { (OD) } \end{gathered}$ | Stocked Lengths ( $m$ ) |  |  |  | Av. Wall (mm) | Av. ID (mm) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 6 | 50 | 100 | 200 |  |  |
| RH32.13 | 32 | $\checkmark$ | MTO | $\checkmark$ | $\checkmark$ | 2.6 | 26.9 |
| RH40.13 | 40 | $\checkmark$ | MTO | $\checkmark$ | $\checkmark$ | 3.2 | 33.8 |
| RH50.13 | 50 | $\checkmark$ | MTO | $\checkmark$ | $\checkmark$ | 3.9 | 42.3 |
| RH63.13 | 63 | $\checkmark$ | MTO | $\checkmark$ | $\checkmark$ | 5.0 | 53.3 |


*Full product code includes pipe length. Example: RH32.13 pipe in 100m length - code: RH32.13.100

## Farmflow is a high performance metric pressure pipe ideally suited to rural water reticulation needs.

## PIPES - RURAL FARMFLOW LDPE

## LOW DENSITY POLYETHYLENE (LDPE) PRESSURE PIPE IS IDEAL FOR WATER RETICULATION, TROUGH CONNECTIONS OR RURAL SYSTEMS

Waters \& Farr FarmFlow LDPE pressure pipe provides a higher pressure rating than required under NZS7601 and is suitable for use with active bloat treatments. It is tough and kink resistant, long lasting and resistant to water pressure surges. Long coil lengths require less jointing, so are easy to install.

Pipes are checked dimensionally to ensure ease of jointing with any LDPE sized fitting.

FARMFLOW LDPE PRESSURE PIPE

| Item Code | DN(ID) | Stocked Lengths ( $m$ ) |  |  |  | Av. <br> Wall <br> (mm) | $\begin{aligned} & \text { Av. } \\ & \text { ID. } \end{aligned}$(mm) | Working Pressure at $2 \mathbf{2 0}^{\circ} \mathrm{C}$ (kPa) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 25 | 50 | 100 | 200 |  |  |  |
| LD15* | 15 | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | 2.3 | 12.6 | 970 |
| LD20* | 20 | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | 3.1 | 18.3 | 900 |
| LD25* | 25 | $v$ | $\checkmark$ | $v$ | $\checkmark$ | 3.1 | 24.6 | 800 |
| LD32* | 32 | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | 3.3 | 30.5 | 650 |
| LD40* | 40 | $\checkmark$ | $v$ | $\checkmark$ | $\checkmark$ | 3.3 | 36.8 | 600 |
| LD50* | 50 | $\nu$ | $\checkmark$ | $\checkmark$ | MTO | 3.3 | 49.5 | 500 |


*Full product code includes pipe length. Example: LD25 pipe in 100m length - code: LD25.100 MTO = Made to Order


## FARMFLOW HiPol LATERAL TUBE

| Item Code | DN <br> (ID) | Stocked Lengths (m) |  |  |  | Av. Wall (mm) | Av. ID (mm) | Working Pressure at$\mathbf{2 0} \mathbf{0}^{\circ} \mathrm{C}(\mathrm{kPa})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 25 | 50 | 100 | 200 |  |  |  |
| LD13...HIPOL* | 25 | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | 1.2 | 12.9 | 500 |
| LD16...HIPOL* | 25 | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | 1.2 | 16.0 | 500 |
| LD19...HIPOL* | 25 | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | 1.3 | 19.1 | 500 |
| LD25...HIPOL* | 25 | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | 1.8 | 25.4 | 500 |

*Full product code includes pipe length. Example: LD25...HIPOL pipe in 100m length - code: LD25.100HIPOL MTO = Made to Order



## FARMBOSS ${ }^{\circledR}$

## FARMBOSS ${ }^{\circledR}$ IS A TWIN WALL DRAINAGE PIPE WITH A SMOOTH INTERNAL BORE AND A CORRUGATED LOAD BEARING EXTERIOR WALL.

FarmBoss ${ }^{\circledR}$ is the answer for virtually any rural drainage application, including:

- Farm and forestry culverts
- Dairy shed runoffs
- Field drainage
- Stream diversion


## DURABILITY

FARMBOSS ${ }^{\circledR}$ pipe is manufactured from Polyethylene or Polypropylene, which have high load bearing capability, resistance to impact, abrasion, chemical attack, and has a high level of UV stability.

## RANGE OF SIZES

FARMBOSS ${ }^{\circledR}$ is available in sizes DN225 up to DN2500; note all FARMBOSS ${ }^{\circledR}$ sizing is based on nominal internal diameter.

## EASE OF TRANSPORT AND HANDLING

FARMBOSS ${ }^{\circledR}$ is very light weight due to its twin walled construction, so FARMBOSS ${ }^{\circledR}$ can be handled without heavy lifting equipment and can be transported on typical farm vehicles. FARMBOSS ${ }^{\circledR}$ is much easier to handle on slopes or where accessibility of heavy equipment is an issue.

## HYDRAULIC EFFICIENCY

FARMBOSS ${ }^{\circledR}$ incorporates a smooth internal bore so has excellent flow characteristics.

## EASE OF JOINTING

FARMBOSS ${ }^{\circledR}$ can be easily assembled using incorporated sockets or separate couplers, joints are typically pushed together, but can be sealed if required with sealing rings.


FARMBOSS ${ }^{\circledR}$ UV RESISTANT POLYETHYLENE OR POLYPROPYLENE TWIN WALL DRAINAGE PIPE.

| W\&F Code | Description | Nominal Internal Diameter (DN) | Typical Outside Diameter (mm) | Typical Effective Length ( $m$ ) | $\begin{aligned} & \text { Stiffness } \\ & \text { Class } \\ & \text { (SN) } \end{aligned}$ | Stocked/ MTO |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BP225RB | DN225 ID FARMBOSS SN6 PE100 TWP 6M | 225 | 259 | 6 | 6 | Stocked |
| BP225R | DN225 FARMBOSS PIPE RING |  |  |  |  |  |
| BP300RB | DN300 ID FARMBOSS SN6 PE100 TWP 6M | 300 | 353 | 6 | 6 | Stocked |
| BP300R | DN300 FARMBOSS PIPE RING |  |  |  |  |  |
| BP375RB | DN375 ID FARMBOSS SN6 PE100 TWP 6M | 375 | 442 | 6 | 6 | Stocked |
| BP375R | DN375 FARMBOSS PIPE RING |  |  |  |  |  |
| BP450RB | DN450 ID FARMBOSS SN6 PE100 TWP 6M | 450 | 531 | 6 | 6 | Stocked |
| BP450R | DN450 FARMBOSS PIPE RING |  |  |  |  |  |
| BP500RB | DN500 ID FARMBOSS SN4 PE100 TWP 5.8M | 500 | 574 | 5.8 | 4 | Stocked |
| BP500R | DN500 FARMBOSS PIPE RING |  |  |  |  |  |
| BP600RB | DN600 ID FARMBOSS SN4 PE100 TWP 5.8M | 600 | 674 | 5.8 | 4 | Stocked |
| BP600R | DN600 FARMBOSS PIPE RING |  |  |  |  |  |
| BP700RB | DN700 ID FARMBOSS SN4 PE100 TWP 5.8M | 700 | 774 | 5.8 | 4 | Stocked |
| BP700R | DN700R FARMBOSS PIPE RING |  |  |  |  |  |
| BP800RB | DN800 ID FARMBOSS SN4 PE100 TWP 5.8M | 800 | 894 | 5.8 | 4 | Stocked |
| BP800R | DN800R FARMBOSS PIPE RING |  |  |  |  |  |
| BP900RB | DN900 ID FARMBOSS SN4 PE100 TWP 5.8M | 900 | 1020 | 5.8 | 4 | Stocked |
| BP900R | DN900R FARMBOSS PIPE RING |  |  |  |  |  |
| BP1000RB | DN1000 ID FARMBOSS SN4 PE100 TWP 5.8M | 1000 | 1120 | 5.8 | 4 | Stocked |
| BP1000R | DN1000R FARMBOSS PIPE RING |  |  |  |  |  |
| BP1100RB | DN1100 ID FARMBOSS SN4 PE100 TWP 5.8M | 1100 | 1226 | 5.8 | 4 | MTO |
| BP1100R | DN1100R FARMBOSS PIPE RING |  |  |  |  |  |
| BP1200RB | DN1200 ID FARMBOSS SN4 PE100 TWP 5.8M | 1200 | 1366 | 5.8 | 4 | MTO |
| BP1200R | DN1200 ID FARMBOSS PIPE RING |  |  |  |  |  |
| BP1400RB | DN1400 ID FARMBOSS SN4 PE100 TWP 5.8M | 1400 | 1582 | 5.8 | 4 | MTO |
| BP1400R | DN1400 ID FARMBOSS PIPE RING |  |  |  |  |  |
| BP1500RB | DN1500 ID FARMBOSS SN4 PE100 TWP 5.8M | 1500 | 1690 | 5.8 | 4 | MTO |
| BP1500R | DN1500 ID FARMBOSS PIPE RING |  |  |  |  |  |
| BP1660RB | DN1660 ID FARMBOSS SN4 PE100 TWP 5.8M | 1660 | 1874 | 5.8 | 4 | MTO |
| BP1660R | DN1660 ID FARMBOSS PIPE RING |  |  |  |  |  |
| BP1800RB | DN1800 ID FARMBOSS SN4 PE100 TWP 5.8M | 1800 | 2000 | 5.8 | 4 | MTO |
| BP1800R | DN1800 ID FARMBOSS PIPE RING |  |  |  |  |  |
| BP2000RB | DN2000 ID FARMBOSS SN4 PE100 TWP 5.8M | 2000 | 2218 | 5.8 | 4 | MTO |
| BP2000R | DN2000 ID FARMBOSS PIPE RING |  |  |  |  |  |
| BP2500RB | DN2500 ID FARMBOSS SN4 PE100 TWP 5.8M | 2500 | 2794 | 5.8 | 4 | MTO |
| BP2500R | DN2500 ID FARMBOSS PIPE RING |  |  |  |  |  |

*Rings sold separately, sizes DN500-DN2500 require 2 rings per pipe MTO = Made to Order


## INSTALLATION

## INSTALLATION GUIDELINES

Installation practices for buried flexible pipelines are in AS/NZS 2033 and AS/NZS 2566.2 (AS/NZS 2566.1 provides guidelines for structural design). Recommended by the standard minimum dimensions of embedment zone and of the trench are detailed in the tables below, so as a general guideline:

## FARMBOSS ${ }^{\circledR}$ : RECOMMENDED MINIMUM TRENCH WIDTH (B)

- DN 225: 0.56 m
- DN 600: 1.27 m
- DN 700: 1.37 m
- DN 800: 1.49 m
- DN 900: 1.69 m
- DN 1000: 1.82 m
- DN 450: 1.13 m
- DN 500: 1.17 m
- DN 1100: 1.93 m
- DN 1200: 2.07 m
- DN 1400: 2.37 m
- DN 1500: 2.55 m


## EMBEDMENT MATERIAL

The embedment of buried flexible pipes in normal soil should be of granular compactible 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 , and free from organic material that can affect pipe performance.
To ensure good support to the bedding, side supports are constructed compacting the embedment material in layers of not more than 150 mm , or half the pipe diameter, whichever is greater.

## EMBEDMENT GEOMETRY

TYPICAL PE AND FARMBOSS PIPE TRENCH


|  | OD |  | Recommended Minimum Values |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\mathrm{I}_{\mathrm{b}}$ | $\mathrm{I}_{\mathrm{c}}$ | $\mathrm{I}_{\mathrm{o}}$ |  |
| $\geq 75$ | $\leq 150$ | 75 | 100 | 100 |  |
| $>150$ | $\leq 300$ | 100 | 150 | 150 |  |
| $>300$ | $\leq 450$ | 100 | 200 | 150 |  |
| $>450$ | $\leq 900$ | 150 | 300 | 150 |  |
| $>900$ | $\leq 1500$ | 150 | 350 | 200 |  |
| $>1500$ | $\leq 4000$ | 150 | $0.25 \times O D$ | 300 |  |

Note: Dimensions in mm.

| Recommended Minimum Cover $(\mathbf{H})$ |  |
| :--- | :---: |
| Loading condition | Minimum cover <br> $\mathbf{H}(m)^{*}$ |
| Installed in paddocks and not subject to traffic loads | 0.30 |
| Installed where subject to light traffic and stock movement | 0.45 |
| Installed in areas used for horticulture or subject to tillage <br> or similar | 0.60 |
| Installed under unsealed farm roads and raceways | 0.75 |

Maximum cover varies with soil type.
In firm clay soil it is not recommended to install
Farmboss at a depth over 6 metres.


[^0]:    * Full product code includes pipe length. Example: RH32.17 pipe in 100m length - code: RH32.17.100RED MTO = Made to Order

