

# UTILITIES DUCTING AND GAS PIPE

## PRODUCT CATALOGUE

Version 1.03





## ABOUT WATERS & FARR

# 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

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# POLYETHYLENE DUCTING

## DUCTING IS PRODUCED DIMENSIONALLY TO AS/NZS 4130 SERIES 1










Standard Dimension Ratio			SDR9		SDR11		SDR 13.6		SDR17	
DN/OD	Duct outside diameter (OD)		Mean wall thickness	Mean inside diameter	Mean wall thickness	Mean inside diameter	Mean wall thickness	Mean inside diameter	Mean wall thickness	Mean inside diameter
20	20.0	20.3	2.5	15.1	2.0	16.0	1.8	16.6	—	—
25	25.0	25.3	3.0	19.2	2.5	20.1	2.1	21.0	—	—
32	32.0	32.3	3.9	24.5	3.1	25.9	2.6	26.9	2.1	28.0
40	40.0	40.4	4.8	30.6	4.0	32.3	3.2	33.8	2.6	35.0
50	50.0	50.5	5.8	38.1	4.9	40.4	4.0	42.3	3.2	43.8
63	63.0	63.6	7.5	48.2	6.2	51.0	5.0	53.3	4.1	55.2
75	75.0	75.7	8.9	57.4	7.3	60.8	5.9	63.6	4.8	65.7
90	90.0	90.9	10.7	68.7	8.7	73.0	7.0	76.4	5.8	78.9
110	110.0	111.0	13.0	84.5	10.6	89.4	8.6	93.3	7.0	96.5
125	125.0	126.2	14.8	95.1	12.1	101.5	9.8	106.1	7.9	109.9
140	140.0	141.3	16.4	107.5	13.4	113.8	10.9	118.8	8.8	123.0
160	160.0	161.5	18.7	123.0	15.4	129.9	12.5	135.8	10.1	140.6

**Note:** Dimensions are in mm

## PRODUCT ATTRIBUTES

### OF CORRECTLY DESIGNED AND INSTALLED POLYETHYLENE DUCT SYSTEMS USING WATERS & FARR PRODUCTS INCLUDE:

- Inert, corrosion free pipe material
- Low specific weight
- Low installation and maintenance costs
- Leak free welded construction
- Good resistance to impacts, ground movement
- High strength, durability and abrasion resistance
- Flexibility
- Long service life

Colour	Common Use
	Potable Water PE100
	Potable Water PE80
	Gas PE100
	Gas PE 80
	Reclaimed Water
	Pressure Sewer
	Electrical Conduit
	Communication / Rural
	Fibre optic / Rural

This table is a guide only. Waters & Farr can make to order jacketed, striped or solid pigmented ducting of colour to customer specification.

**Note:** Supply of pipe in coils and on drums.  
It is our experience that an increase in pipe ovality may occur as a result of the coiling process and this should be taken into account during pipe joining and installation.

# DUCTING

MTO = Made to Order. Capability exists to produce a wide range of DN/SDR variations up to DN1200.

- Ducting is available in coils, straight lengths and on returnable drums, subject to DN/SDR/Length.
- Ducting can be made to order in PE100.
- For pipeline design and installation refer to AS/NZS 2566 and AS/NZS 2033.
- Technical guides are available on <http://watersandfarr.co.nz/technical-information/>

## ORANGE JACKET DUCTING SDR17

Item Code	DN OD	Av. ID (mm)	Stocked Lengths (m)		DRUM
			100m	200m	
DOJ32.17	32	28.0	✓	✓	
DOJ40.17	40	35.0		✓	
DOJ50.17	50	43.8	✓		MTO
DOJ63.17	63	55.2	✓		MTO
DOJ90.17	90	78.9	✓		MTO
DOJ110.17	110	96.5	✓		MTO
DOJ125.17	125	109.9	✓		MTO
DOJ140.17	140	123.0	✓		MTO

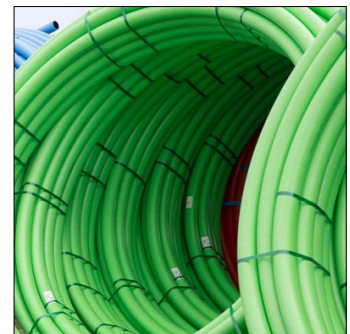
**Note:** Full product code includes duct length. Example DOJ.110.17in 100m length - code DOJ110.17.100



## GREEN JACKET DUCTING

Item Code	DN OD	Av. ID (mm)	SDR	Stocked Lengths (m)			DRUM
				100m	200m	1000m	
DGJ20.9	20	15.1	9	✓	✓		
DGJ32.13	32	26.9	13.6	✓	✓	✓	
DGJ40.17	40	35.0	17		✓		
DGJ50.17	50	43.8	17	✓		MTO	
DGJ63.17	63	56.2	17	✓		MTO	
DGJ90.17	90	78.9	17	MTO		MTO	
DGJ110.17	110	96.5	17	✓		MTO	

**Note:** Full product code includes duct length. Example DGJ.110.17 in 100m length - code DGJ110.17.100



## RED JACKET DUCTING SDR 17

Item Code	DN OD	Av. ID (mm)	Stocked Lengths (m)		DRUM
			100m	200m	
DRJ32.17	32	28	✓	✓	
DRJ63.17	63	56.2	✓		MTO
DRJ110.17	110	96.5	✓		MTO

**Note:** Full product code includes duct length. Example DRJ.110.17 in 100m length - code DRJ110.17.100



**Note:** Supply of pipe in coils and on drums.

It is our experience that an increase in pipe ovality may occur as a result of the coiling process and this should be taken into account during pipe joining and installation.

# GAS

MTO = Made to Order. Capability exists to produce a wide range of DN/SDR variations up to DN1200  
- (Series 1 up to DN450 & Series 3 up to DN200)

- Pipes are available in coils, straight lengths and on returnable drums, subject to DN/SDR/Length.
- Pressure pipes conformance to AS/NZS 4130 is independently certified by Bureau Veritas
- For pipeline design and installation refer to AS/NZS 2566 and AS/NZS 2033.
- Technical guides are available on <http://watersandfarr.co.nz/technical-information/>

## GAS SERIES 3 TO AS/NZS 4130 (IMPERIAL)

### BLACK PE80 PIPE / YELLOW JACKET

Item Code	DN (ID)	SDR	Stocked Lengths (m)					
			6	12	50	100	125	150
G15.9	15	9			MTO			✓
G25.11	25	11			MTO			✓
G32.11	32	11			MTO			✓
G50.11	50	11	MTO		✓	✓	✓	MTO
G80.11	80	11	✓	✓	✓	✓		MTO
G100.11	100	11	✓	✓	✓	✓		MTO
G150.11	150	11	MTO	✓			MTO	

**Note:** Full product code includes duct length for Example G100.11 in 100m length - code G100.11.100



## GAS SERIES 1 TO AS/NZS 4130 (METRIC)

### BLACK PE80 PIPE / YELLOW JACKET

Item Code	DN (OD)	SDR	Stocked Lengths (m)	
			100	150
GM32.11	32	11	✓	✓
GM63.11	63	11	MTO	✓
GM110.17	110	17	✓	MTO
GM110.11	110	11	✓	MTO

**Note:** Full product code includes duct length for Example GM110.11 in 100m length - code GM110.11.100

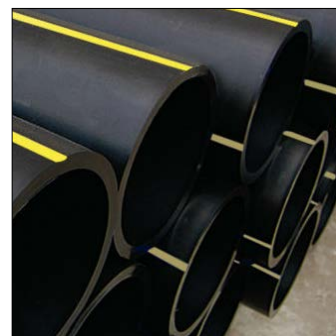


## GAS SERIES 1 TO AS/NZS 4130 (METRIC)

### BLACK PE100 PIPE / YELLOW STRIPE

Item Code	DN (OD)	SDR	Stocked Lengths (m)	
			12	100
GMH110.17	110	17	MTO	✓

**Note:** Full product code includes duct length for Example GMH110.17 in 100m length - code GMH110.17.100



**Note:** Supply of pipe in coils and on drums.

It is our experience that an increase in pipe ovality may occur as a result of the coiling process and this should be taken into account during pipe joining and installation.



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