

Flexible Couplings



COUPLING

The reliable, flexible, quick, and simple joining solution. Marley Couplings are a well-known connector especially designed for sewer, drain, waste, and vent pipes in low-pressure applications*. Marley Couplings are WaterMark certified and comply with AS/NZS 4327 – Type A accredited.

*Not suitable for Potable Water applications

- › Marley Couplings are WaterMark certified to be compliant with Australian and New Zealand standards for low pressure drainage lines
- › Type A Certified
- › Large range of straight and reducing couplings
- › Flexible material able to expand or contract $\pm 5\%$ either side of mean resting dimension
- › Stainless Steel Bands
- › Excellent chemical resistance
- › Able to absorb limited pipe movement

Material Specifications

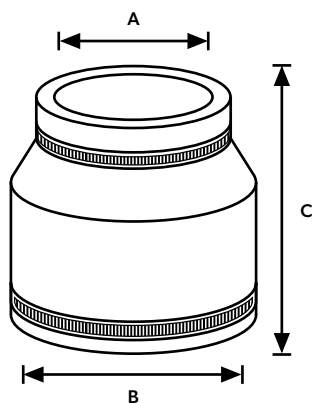
Flexible Coupling Body:

- › UV stabilised Elastomeric Polyvinyl Chloride

Metal Clamps:

- › Stainless Steel - grade 316

Marley Coupling Size



A and B Mean ID measurements are based on the resting internal bore of the coupling. All dimensions in mm. Ranges are based on a $\pm 5\%$ allowance of stretch or contraction.

Series Information

DESCRIPTION	SERIES
Earthenware to Earthenware	D101
Concrete to concrete	D104
Earthenware to PVC, Copper, Galvanised Iron, Cast Iron and Lead	D106
Fibre Cement/Ductile Iron to Cast Iron or Plastic	D151
Fibre Cement/Ductile Iron to Fibre Cement/Ductile Iron	D155
Any combination of PVC, Copper, Galvanised Iron, Cast Iron and Lead	D156

Note: Series information is based on the size of pipe manufactured from different materials however, if a pipe meets the coupling mean or fits within the range it can be utilised.

Product Codes

CODE	DESCRIPTION	MEAN ID A	MEAN ID B	LENGTH
D101-1010	Marley Coupling 283-313mm (Straight Coupling)	298 Range: 283 - 313		152
D101-66	Marley Coupling 179-197mm (Straight Coupling)	188 Range: 179 - 197		152
D104-44	Marley Coupling 144-151mm (Straight Coupling)	144 Range: 137 - 151		101
D104-66	Marley Coupling 188-208mm (Straight Coupling)	198 Range: 188 - 208		152
D104-88	Marley Coupling 247-273mm (Straight Coupling)	260 Range: 247 - 273		152
D106-1010	Marley Reducer 252-278mm x 304-336mm	265 Range: 252 - 278	320 Range: 304 - 336	160
D106-43	Marley Reducer 81-89mm x 137-151mm	85 Range: 81 - 89	144 Range: 137 - 151	101

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CODE	DESCRIPTION	MEAN ID A	MEAN ID B	LENGTH
D106-44	Marley Reducer 105-116mm x 137-151mm	110 Range: 105 - 116	144 Range: 137 - 151	101
D106-64	Marley Reducer 105-116mm x 188-208mm	110 Range: 105 - 116	198 Range: 188 - 208	152
D106-66	Marley Reducer 154-170mm x 188-208mm	162 Range: 154 - 170	198 Range: 188 - 208	152
D151-1010	Marley Reducer 252-278mm x 266-294mm	265 Range: 252 - 278	280 Range: 266 - 294	152
D151-44	Marley Reducer 105-117mm x 115-127mm	111 Range: 105 - 117	121 Range: 115 - 127	101
D151-66	Marley Reducer 152-168mm x 171-189mm	160 Range: 152 - 168	180 Range: 171 - 189	152
D155-44	Marley Coupling 114-126mm (Straight Coupling)	120 Range: 114 - 126		99
D156-1010	Marley Coupling 252-278mm (Straight Coupling)	268 Range: 255 - 281		160
D156-1212	Marley Coupling 310-342mm (Straight Coupling)	326 Range: 310 - 342		160
D156-125	Marley Coupling 40-44mm (Straight Coupling)	42 Range: 40 - 44		88
D156-150	Marley Coupling 47-51mm (Straight Coupling)	49 Range: 47 - 51		90
D156-22	Marley Coupling 57-63mm (Straight Coupling)	60 Range: 57 - 63		88
D156-32	Marley Reducer 57-63mm x 85-93mm	60 Range: 57 - 63	89 Range: 85 - 93	101
D156-33	Marley Coupling 84-92mm (Straight Coupling)	88 Range: 84 - 92		101
D156-350	Marley Coupling 85-95mm (Straight Coupling)	90 Range: 85 - 95		93
D156-42	Marley Reducer 57-63mm x 105-116mm	60 Range: 57 - 63	110 Range: 105 - 116	101
D156-43	Marley Reducer 82-90mm x 105-116mm	86 Range: 82 - 90	110 Range: 105 - 116	101
D156-44	Marley Coupling 105-116mm (Straight Coupling)	110 Range: 105 - 116		101
D156-64	Marley Reducer 106-118mm x 162-179mm	112 Range: 106 - 118	170 Range: 162 - 179	147
D156-66	Marley Coupling 162-179mm (Straight Coupling)	170 Range: 162 - 179		147
D156-88	Marley Coupling 204-226mm (Straight Coupling)	215 Range: 204 - 226		147
D160-22	Marley Coupling 67-74mm (Straight Coupling)	70 Range: 67 - 74		100
D160-44	Marley Coupling 119-131mm (Straight Coupling)	125 Range: 119 - 131		100
DKC101	Marley 40mm Qwik Cap	38 Range: 36 - 40		38
DKC102	Marley 50mm Qwik Cap	50 Range: 48 - 53		38
DKC103	Marley 80mm Qwik Cap	75 Range: 71 - 79		43
DKC104	Marley 100mm Qwik Cap	100 Range: 95 - 105		50

CODE	DESCRIPTION	MEAN ID A	MEAN ID B	LENGTH
DKCTC150	Marley Coupling 33-39mm (Straight Coupling)	37 Range: 33 - 39		60
DKDTC150	Marley Reducer 36-40mm x 46-50mm	38 Range: 36 - 40	48 Range: 46 - 50	58
DKDTC215	Marley Reducer 34-38mm x 57-63mm	36 Range: 34 - 38	60 Range: 57 - 63	59
DKDWC100	Marley Dishwasher Waste Connector	18 Range: 17 - 19	23 Range: 22 - 24	68

Product Intended Use

The Coupling range of products are designed to securely connect sewer, drain, waste and vent pipes in low-pressure applications so as to facilitate flow away from the building.

Marley Couplings are not suitable for potable water applications.

WaterMark Certification Licence Number

WMK26128 - Type A classification

Manufacturing Standards

AS/NZS 4327:1995 – Metal banded flexible couplings for low-pressure applications

On Product Identifiers

Printed label with WaterMark, Barcode and Product Information taped to coupling.

Embossed product code.

Relevant New Zealand Building Code Clauses

NZBC G13: Foul Water – G13/AS2 states in the following section:

5.0 Installation

5.1 Jointing

5.1.1 Rigid pipes shall have flexible joints to resist damage from differential settlement.

Marley Couplings are designed to have the flexibility, (due to the elastomeric properties of the material) to resist damage from differential settlement

NZBC B2: Durability – Marley Couplings will satisfy the requirements for:

- › 15 years for connections where ease of access is moderate, but difficult to replace, (e.g., typical drainage system laid adjacent to a building foundation).
- › 50 years for connections where access is difficult

Design

Marley Couplings are specifically for low-pressure situations such as sewage, drain, waste and vent pipes that do not expect to be pressurised in the normal course of their operation.

Marley Couplings are not suitable or accredited for potable water applications.

Marley Couplings are resistant to ozone, fungus growth and normal sewer gases.

Marley Couplings have been designed to withstand up to 38°C continuous and 60°C intermittent temperatures.

The hose clamps are manufactured from grade 316 stainless steel for corrosion resistance.

Installation

The elastomeric properties of the material allow the Marley Coupling to stretch over pipe surfaces greater than the resting mean internal diameter by a factor of 5%.

The same properties allow for the Marley Coupling to contract down to smaller pipe diameters by the same factor. Exceeding this lower range will cause the Marley Coupling to deform which could result in a leak.

The use of a flat blade screwdriver or a small spanner is the typical method of tightening the hose clamps on the Marley Coupling however where security of connection is required the hose clamps should be tightened using a torque wrench, a maximum torque of 5.6Nm is recommended.

To allow for differential settlement it is advised that the connecting pipes should not be butted together and a small gap between them should be maintained. This gap will be dependent on the ground conditions, pipe materials and expected expansion and contraction of the pipes.

Maintenance

There are no particular requirements to service or maintain Marley Couplings other than visual checks where possible.

Importer/Distributor

Marley New Zealand Limited

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- › 0800 627 539
- › info@marley.co.nz
- › www.marley.co.nz
- › NZBN: 9429038863431

Supplier

National Craft Industries Inc.

- › 7F-2, 18, Lane 260, Wen Hwa 2nd Rd., Sec. 1, Linkou District, New Taipei City, Taiwan ROC
- › 886-2-2609 6891

Limitations on use

Marley Couplings are designed for low-pressure applications such as sewer, drain, waste and vent pipes, they are not suited to withstanding pressure applications.

Do not use Marley Couplings in potable water systems including rainwater harvesting systems.

Warnings and/or Bans

Marley Couplings are not subject to warnings and/or bans relating to their installation or use from any council or local authority within New Zealand that Marley has been made aware of.