



FLEXIBALE COUPLINGS



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

*Not suitable for Potable Water applications

- › MasterTrade 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

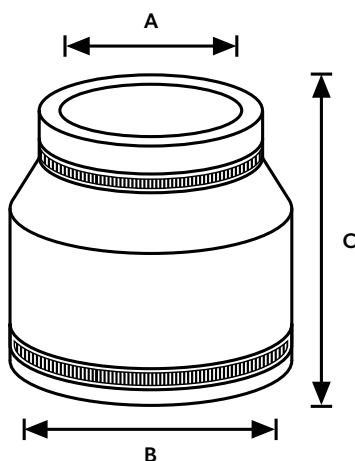
Material Specifications

Flexible Coupling Body:

- › UV stabilised Elastomeric Polyvinyl Chloride

Metal Clamps:

- › Stainless Steel - grade 316



MasterTrade 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

Product Codes

CODE	DESCRIPTION	MEAN ID A	MEAN ID B	LENGTH	SKU
MTPQ106-44	MasterTrade Reducer 105-116mm x 137-151mm	110 Range: 105 - 116	144 Range: 137 - 151	101	765093
MTPQ106-66	MasterTrade Reducer 154-170mm x 188-208mm	162 Range: 154 - 170	198 Range: 188 - 208	152	765102
MTPQ156-125	MasterTrade Coupling 40-44mm (Straight Coupling)	42 Range: 40 - 44		88	765094
MTPQ156-150	MasterTrade Coupling 47-51mm (Straight Coupling)	49 Range: 47 - 51		90	765096
MTPQ156-22	MasterTrade Coupling 57-63mm (Straight Coupling)	60 Range: 57 - 63		88	765099
MTPQ156-33	MasterTrade Coupling 84-92mm (Straight Coupling)	88 Range: 84 - 92		101	765095
MTPQ156-43	MasterTrade Reducer 82-90mm x 105-116mm	86 Range: 82 - 90	110 Range: 105 - 116	101	765098

CODE	DESCRIPTION	MEAN ID A	MEAN ID B	LENGTH	SKU
MTPQ156-44	MasterTrade Coupling 105-116mm (Straight Coupling)	110 Range: 105 - 116		101	765092
MTPQ156-66	MasterTrade Coupling 162-179mm (Straight Coupling)	170 Range: 162 - 179		147	765101
MTPQKCTC150	MasterTrade Coupling 33-39mm (Straight Coupling)	37 Range: 33 - 39		60	765100
MTPQKDWC100	MasterTrade Dishwasher Waste Connector	18 Range: 17 - 19	23 Range: 22 - 24	68	765097

Product Intended Use

The MasterTrade 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.

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

NZBC B2: Durability – MasterTrade 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

MasterTrade 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.

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

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

MasterTrade 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 MasterTrade Coupling to stretch over pipe surfaces greater than the resting mean internal diameter by a factor of 5%.

The same properties allow for the MasterTrade Coupling to contract down to smaller pipe diameters by the same factor. Exceeding this lower range will cause the MasterTrade 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 MasterTrade 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 MasterTrade Couplings other than visual checks where possible.

Importer

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Limitations on use

MasterTrade 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 MasterTrade Couplings in potable water systems including rainwater harvesting systems.

Warnings and/or Bans

MasterTrade 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.