



# Metric Tapping Saddle

## Technical Specifications Sheet

The Philmac Metric Tapping Saddle is a fitting engineered for use above or below ground for the transfer of fluids; including water, chemicals or slurries, frequently encountered in the utilities, mining or irrigation industries.

### Features and Benefits

#### PN16 pressure rating

Complies to draft specification AS 4129, "Fittings for PE Pipes for pressure applications".

#### Nitrile sealing gasket

For excellent sealing performance and chemical resistance.

#### Suitable for contact with potable water

Complies with AS3855 and AS40210 (int).

#### Advanced materials

High grade polypropylene body selected for its tough, high impact, lightweight, and durable properties.

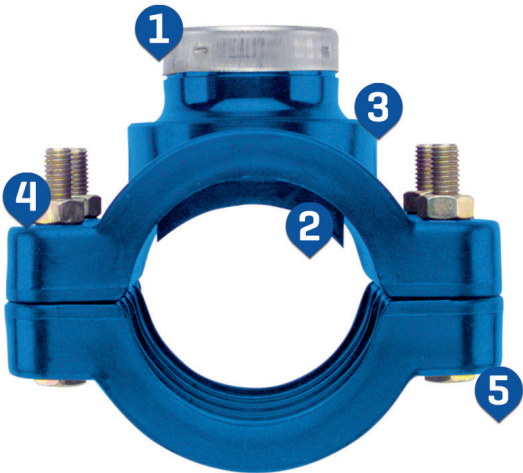
Stainless steel reinforcing rings on threaded branch.

#### Designed for easy assembly

Bolt clips to facilitate easy assembly. Bolt hole guides to assist bolt insertion. Hexagon moulding to prevent bolt turning during assembly.

#### Stainless steel option

Supplied with either Class 316 Stainless Steel (50 x 3/4" to 63 x 1" have Class 304 Stainless Steel nuts & bolts and do not have a reinforcing ring) or Zinc electroplated steel nuts and bolts.



### Parts and Material

Part no.	Description	Materials	Quantity
1	Reinforcing ring	Stainless steel 304	1
2	Sealing gasket	Nitrile rubber	1
3	Body	Polypropylene	1
4	Nut	Zinc electroplated steel or stainless steel 316	4 (2 for 25 and 32mm)
5	Bolt	Zinc electroplated steel or stainless steel 316	4 (2 for 25 and 32mm)

### Dimensions

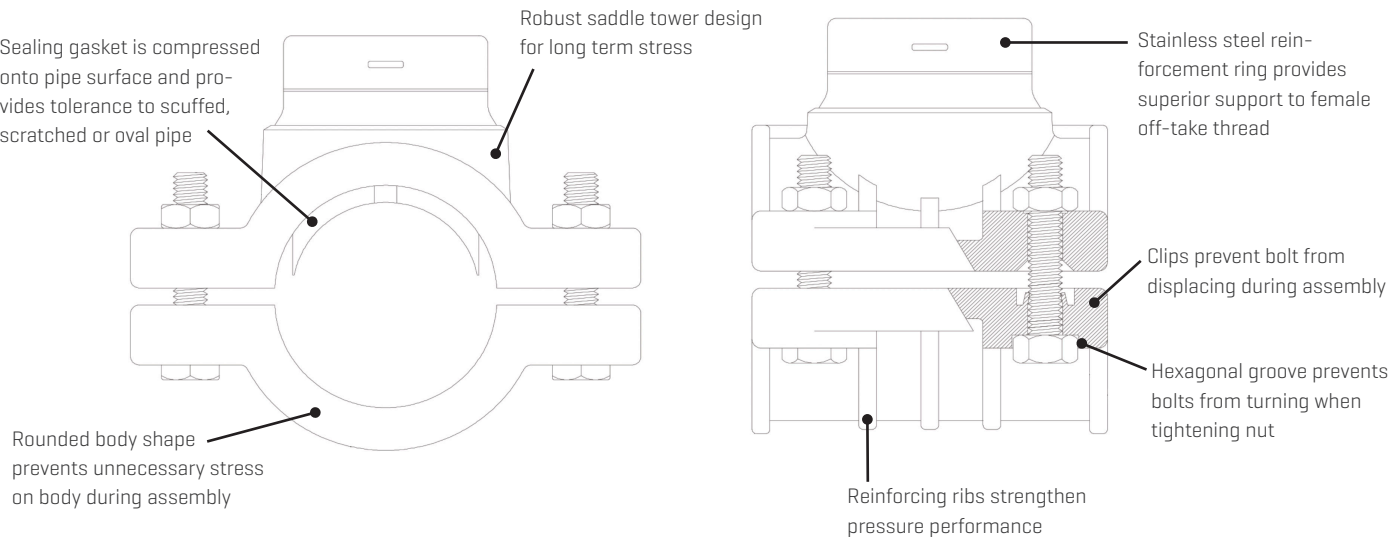
Saddle Size	Hexagon Nuts	Bolt Dimensions (mm)	Dimension A (mm)	Dimension B (mm)
25	M8	M8 x 45	82	54
32	M8	M8 x 45	92	66
40	M8	M8 x 45	96	67
50	M8	M8 x 45	115	80
63	M8	M8 x 45	126	89
75	M10	M10 x 65	141	99
90	M10	M10 x 65	160	104
110	M10	M10 x 65	181	108

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### Operation



### Installation

#### Use

Can be used to fit a wide range of pipes from PN6.3 to PN16 including MDPE, HDPE, PP or ABS that have metric external diameter dimensions.

#### Pre assembly

Select branch off-take position, clean pipe, ensure easy access and mark hole. Place saddle upper body and align outlet branch with marked hole.

#### Assembly

Place saddle lower body over pipe. Ensure thread of bolts are clean before placing in saddle. Tighten all bolts alternately around saddle. ensure saddle off-take hole stays in alignment with marked hole. Drill suitable sized hole through orifice of saddle with boring tool. Ensure that the threads and gasket are not damaged.

#### Disassembly

Loosen and detach all bolts around saddle.

Note:

1. Philmac recommends the use of PTFE tape on BSP threads to ensure a positive seal.
2. Philmac uses 316 high class Stainless Steel nuts and bolts. Inherent in the nature of all Stainless Steel nuts and bolts is that they can fuse following installation. Lubrication of threads before installation may help to prevent this occurring.

### Range

Pipe External diameter (mm)	Threaded off take (Ft BSP)	Part Number Stainless Steel Nuts and Bolts	Part Number Zinc Plated Nuts and Bolts
25	3/4"	97753200	97703200
32	3/4"	97754200	97704200
32	1"	97754300	97704300
40	3/4"	97755200	97705200
40	1"	97755300	97705300
50	3/4"	97756200*^	97706200^
50	1"	97756300*^	97706300^
63	3/4"	97757200*^	97707200^
63	1"	97757300*^	97707300^
63	1 1/2"	97757500	97707500
75	3/4"	97758200	97708200
75	1"	97758300	97708300
75	1 1/2"	97758500	97708500
75	2"	97758600	97708600
90	1"	97759300	97709300
90	1 1/2"	97759500	97709500
90	2"	97759600	97709600
110	1"	97750300	97700300
110	1 1/2"	97750500	97700500
110	2"	97750600	97700600

\* Product supplied with Class 304 Stainless Steel nuts and bolts.

^ Product does not come with reinforcing ring.

### For more information

Ph: 1800 755 899

[www.philmac.com.au](http://www.philmac.com.au)

[www.youtube.com/user/PhilmacAustralia](https://www.youtube.com/user/PhilmacAustralia)

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