



Rapid Clamps Pty Ltd

PRODUCT APPRAISAL REPORT 1903 Issue 3

Rapid Clamps CT Tapping Saddles for PE Pipes

AS 4793:2020 Mechanical tapping bands for waterworks purposes

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Overview of WSAA

The Water Services Association of Australia (WSAA) is the peak industry body representing the urban water industry. Our members provide water and sewerage services to over 20 million customers in Australia and New Zealand and many of Australia's largest industrial and commercial enterprises.

Based around our vision of 'customer driven, enriching life', WSAA facilitates collaboration, knowledge sharing, networking and cooperation within the urban water industry. We are proud of the collegiate attitude of our members which has led to industry-wide approaches to national water issues.

WSAA can demonstrate success in the standardisation of industry performance monitoring and benchmarking, as well as many research outcomes of national significance. The WSAA Executive retains strong links with policy makers and legislative bodies and their influencers, to monitor emerging issues of importance to the urban water industry.

WSAA was formed in 1995 as a non-profit organisation to foster the exchange of information between industry, government and the community, and to promote sustainable water resource management.

The urban water industry is committed to anchoring its services to customers' values, and to enrich communities where water services have broad economic, environmental and social values. In line with this our main activities focus on four areas:

1. influencing national and state policies on the provision of urban water services and sustainable water resource management
2. promoting debate on environmentally sustainable development and management of water resources and the community health requirements of public water supplies
3. improving industry performance and establishing benchmarks and industry leading practices for water service processes; and
4. fostering the exchange of information on education, training, research, water and wastewater management and treatment and other matters of common interest.

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1 EXECUTIVE SUMMARY

Rapid Clamps Pty Ltd is the Australian distributor of stainless-steel repair clamps, tapping saddles and associated fittings manufactured by Cascade Sales and Distribution (Pty) Ltd in South Africa. Rapid Clamps operates a warehouse and distribution business located in Narangba Queensland.

This Appraisal is for a range of PN16 Rapid CT Tapping Saddles for PE pipes in sizes from DN 125 to DN 355 with tapped outlets of ¾"/20 to 2"/50 BSP. The tapping saddles are manufactured in conformance with AS 4793:2020 *Mechanical tapping bands for waterworks purposes*.

This Issue 3 is a replacement for the previous version of the appraisal which had reached its 5-year expiry date.

The tapping saddles consist of two Grade 316 stainless steel segments with a fully lined nitrile rubber mat, incorporating a static and dynamic lip seal, joined by 2 or 4 stainless steel studs and nuts.

The Type F tapping saddles are full circle design incorporating a positive stop to prevent diametral deflection of the pipe and specifically designed to suit PE pipe outside diameters. The tapping saddles are also designated as Type R and may be installed on rigid pipes with compatible outside diameters as PE pipe.

(Note that the designation CT and CT2 is interchangeable for the same product. The 2 simply indicates two parts in the product)

Cascade Sales and Distribution (Pty) Ltd holds an ISO 9001:2015 Quality Management System Licence.

Rapid Clamps has ISO Type 5 ApprovalMark Product Certification to AS 4793:2020 *Mechanical tapping bands for waterworks purposes*.

This Appraisal has determined that Rapid CT tapping saddles for PE pipes, as detailed in this report, meet the requirements of WSA PS- 310 *Tapping Bands, Mechanical, for Pressure Applications – Water Supply* and are considered as 'fit-for-purpose'.

1.1 Recommendation

It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise Rapid CT tapping saddles for PE pipes in water supply applications, as detailed in this report, provided pipeline design, installation, acceptance testing and commissioning are in accordance with applicable WSAA Codes and the manufacturer's requirements.

2 THE APPLICANT

The Applicant is Rapid Clamps Pty Ltd.

2.1 The Supplier

Rapid Clamps Pty Ltd is the Australian distributor stainless steel repair clamps, tapping saddles and associated fittings manufactured by Cascade Sales and Distribution (Pty) Ltd. It operates a warehouse and distribution business located in Narangba Queensland.

2.2 The Manufacturer

The manufacturing facility of Cascade Sales and Distribution (Pty) Ltd is located in Germiston, South Africa. Cascade has been manufacturing stainless steel pipe repair couplings and related fittings since 1986. Cascade distributes its stainless-steel pipe repair clamps throughout South Africa, UK, Middle East, Malaysia and Australia.

3 THE PRODUCT

This Appraisal is for a range of PN16 Rapid CT Tapping Saddles for PE pipes in sizes from DN 125 to DN 355 with tapped outlets of ¾"/20 to 2"/50 BSP. The tapping saddles are manufactured in conformance with AS 4793:2020 *Mechanical tapping bands for waterworks purposes*.

Tapping Saddles provide a means for the connection of property services to reticulated water network pipelines.

The tapping saddles consist of two Grade 316 stainless steel segments with a fully lined nitrile rubber mat, incorporating a combination static and dynamic lip seal. A patented internal stainless steel retaining disc is also incorporated into the sealing mechanism to prevent the mat and seal from extruding out under pressure. The specially designed seal allows for diameter changes caused by pressurising and depressurising the pipe.

The segments are joined using 2 or 4 stainless steel studs and nuts with polytetrafluoroethylene coated threads to prevent galling during installation. The studs are welded to the bottom segment.

The Type F tapping saddles are full circle design incorporating a positive stop to prevent diametral deflection of the pipe and specifically designed to suit PE pipe outside diameters.

The tapping saddles are also designated as Type R and may be installed on rigid pipes with compatible outside diameters as PE pipe. A bi-metallic couple test has been undertaken to demonstrate that the tapping saddles are suitable for use on metallic water mains



FIGURE 1 CT TAPPING SADDLE FOR PE PIPE

4 SCOPE OF THE APPRAISAL

The scope of this appraisal applies to Rapid Type F CT tapping saddles for PE pipes in sizes DN 125, DN 180, DN 280 and DN 355 with ¾"/20, 1"/25, 1¼"/32, 1½"/40 and 2"/50 female threaded BSP off takes.

Other sizes from Rapid Clamps have been supplied for many years and are included in the ISO Type 5 Product Certification Schedule, however the scope of this appraisal includes only those sizes where performance type test reports have been submitted to demonstrate compliance with AS 4793.

Refer to Table 1 for the range of Rapid CT tapping saddles for PE pipes.

TABLE 1 CT TAPPING SADDLES FOR PE PIPE

PE Pipe OD	Tapping Outlet Size	Width	No of Studs	Type Test Report
75	20, 25	130	2	x
90	20, 25	130	2	x
	32, 40, 50	150	2	

PE Pipe OD	Tapping Outlet Size	Width	No of Studs	Type Test Report
110	20, 25	130	2	x
	32, 40, 50	150	2	
125	20, 25	130	2	√
	32, 40, 50	150	2	
140	20, 25	130	2	x
	32, 40, 50	150	2	
160	20, 25	130	2	x
	32, 40, 50	150	2	
180	20, 25	130	2	√
	32, 40, 50	150	2	
200	20, 25	130	2	x
	32, 40, 50	150	2	
225	20, 25	130	2	x
	32, 40, 50	150	2	
250	20, 25	130	2	x
	32, 40, 50	150	4	
280	20, 25	130	2	√
	32, 40, 50	150	4	
315	20, 25	130	4	x
	32, 40, 50	150	4	
355	20, 25	130	4	√
	32, 40, 50	150	4	

5 APPRAISAL CRITERIA

5.1 Quality Assurance Requirements

The WSAA Product Appraisal Technical Advisory Group accepts mechanical tapping bands for PE pipes manufactured in compliance with AS 4793:2020 *Mechanical tapping bands for waterworks purposes* and duly certified by means of an ISO Type 5 product certification scheme undertaken by a JAS-ANZ accredited Conformity Assessment Body (CAB) or by an international accreditation system recognised by JAS-ANZ.

The manufacturer is generally expected to have a production management and control system that has been duly accredited in accordance with AS/NZS ISO 9001 as a prerequisite to undergoing a product certification audit.

The ISO Type 5 Product Certification Scheme shall meet the criteria described in WSA TN-08.

5.2 Performance Requirements

Rapid CT Tapping Saddles for PE pipes have been appraised for compliance with AS 4793:2020 *Mechanical tapping bands for waterworks purposes*.

Appraisal criteria are also determined by the WSAA Infrastructure Products and Materials Network and regularly reviewed to ensure that the criteria reflect the requirements of WSAA members.

The following Product Specification is also relevant to this application:

WSA PS- 310 Tapping Bands, Mechanical, for Pressure Applications – Water Supply

A copy of the Product Specification is available at the following link:

<https://wsaa.asn.au/Web/web/shop/ShopSearch.aspx?category=PRODSPECS>

6 COMPLIANCE WITH APPRAISAL CRITERIA

6.1 Compliance with Quality Assurance Requirements

Rapid Clamps has submitted the following quality certificates:

- ISO 9001:2015 Certificate of Registration No. 01 100 928919 issued to Cascade Sales & Distribution (Pty) Ltd by TUV Rheinland.
- AS 4793:2020 ISO Type 5 ApprovalMark Product Certification Licence No. AMI 75116 issued to Rapid Clamps Pty Ltd by ApprovalMark International.

Copies of Quality Assurance licences have been included in Appendix B and are also available from WSAA.

Copies of Quality Assurance certificates have also been supplied for the major component suppliers.

6.2 Compliance with Performance Requirements

6.2.1 Type Testing

Rapid Clamps has submitted type test reports from Prove Standards & Engineering Pty Ltd (NATA Accreditation No. 18640) to verify compliance to the performance requirements of AS 4793:2020 for DN 125, DN 180, DN 280 and DN 355 sizes.

The tests completed were:

- Assembly
- Short term hydrostatic leak-tightness
- Joint infiltration
- Leak-tightness during application of a bending moment to the connecting pipe
- Resistance to rotation, longitudinal sliding and depressurisation.
- Bi-metallic couple test

6.2.2 Materials

6.2.2.1 Body components

The body of the tapping saddles are manufactured from Grade 316 Stainless Steel and fully passivated after welding. A test report has been submitted to demonstrate compliance.

6.2.2.2 Nuts, bolts and washers

The studs, nuts and washers utilised on the Rapid CT Tapping Saddles are M16 Grade 316 Stainless Steel.

6.2.2.3 Elastomeric seals

The seal mats are supplied by Hultec Pty Ltd and moulded by Thai Duong Joint Stock Company in Vietnam using Nitrile (NBR) HT4627 compound, under cover of ISO Type 5 Product Certification for AS 1646. A copy of the certification is held on file by WSAA.

6.2.3 Effect on water

Drinking water is only in contact with the NBR rubber mat seal. Test reports No. AAL22382 and AAP12401 from Eurofins (NATA Accreditation No. 15773) are held on file by WSAA to demonstrate compliance of the HT4627 NBR material with AS/NZS 4020:2018 (including compliance to Amendment 1 - resistance to monochloramine).

6.2.4 Design

6.2.4.1 Outlet threads

The CT tapping saddles incorporate a weld on boss with a parallel thread conforming to ISO 7.1:2008 *Pipe threads where pressure-tight joints are made on the threads - Dimensions, tolerances and designation*. Machined threads are gauged with a calibrated go/no-go gauge to ensure that specifications are maintained.

7 FITTING INSTRUCTIONS, TRAINING AND INSTALLATION

A copy of the installation instructions is included in Appendix A and includes recommended installation torques.

8 PRODUCT MARKING

Rapid CT Tapping Saddles have the following marking stenciled on the bottom segment:

- Manufacturers name: Rapid Clamps
- Batch ID: (date)
- Nominal diameter: e.g., 180mm PE
- Outlet size: e.g., 50mm BSP
- Type of band: Type F and R
- Pipe type: PE
- Standard: AS 4793
- Licence Number: AMI 75116



FIGURE 2 EXAMPLE OF MARKING

9 PACKAGING AND TRANSPORTATION

Rapid CT tapping saddles are packed in double-wall cartons measuring 430 mm x 430 mm with various heights to accommodate all sizes of the saddles in fixed numbers per size.

Standard pallets are used to fit nine cartons per layer. Pallet packs are assembled in line with standard shipping modes and machinery used by international carriers.

Local distributors in Australia repack for individual deliveries.

10 PRODUCT WARRANTY

The products are covered by the normal commercial and legal requirements of the *Competition and Consumer Act 2010 (Cth)*, which covers manufacture to the relevant standard, and details of Rapid Clamp's warranty is included in their terms and conditions of sale.

11 WATER AGENCY EXPERIENCE WITH THE PRODUCT OR FIELD-TESTING REPORT

Rapid Clamps generally supply their tapping saddles through a reseller network. The tapping saddles have been provided to the market for more than seven years with no reported failures.

A report on a trial in 2017 by Australian Water & Irrigation Solutions for a specific project approval by Yarra Valley Water prior to the installation of 50 off DN 355 x ¾" tapping saddles was submitted and is available from WSAA.

12 FUTURE WORKS

No future works have been identified.

13 OUTCOMES OF EXPERT PANEL PRODUCT REVIEW

No issues were identified.

14 DISCLAIMER

This Product Appraisal Report (Report) is issued by the Water Services Association of Australia Limited on the understanding that:

This Report applies to the product(s) as submitted. Any changes to the product(s) either minor or major shall void this Report.

To maintain the recommendations of this Report any such changes shall be detailed and notified to the Product Appraisal Manager for consideration and review of the Report and appropriate action. Appraisals and their recommendations will be the subject of continuous review dependent upon the satisfactory performance of products.

WSAA reserves the right to undertake random audits of product manufacture and installation. Where products fail to maintain appraised performance requirements the appraisal and its recommendations may be modified and reissued. Appraisal reports will be reviewed and reissued at regular intervals not exceeding five (5) years.

The following information explains a number of very important limits on your ability to rely on the information in this Report. Please read it carefully and take it into account when considering the contents of this Report.

Any enquiries regarding this report should be directed to the Program Manager, Carl Radford, email carl.radford@wsaa.asn.au.

14.1 Issue of Report

This Report has been published and/or prepared by the Water Services Association of Australia Limited and nominated Project Manager and peer group of technical specialists (the Publishers).

The Report has been prepared for use within Australia only by technical specialists that have expertise in the function of products such as those appraised in the Report (the Recipients).

By accepting this Report, the Recipient acknowledges and represents to the Publisher(s) and each person involved in the preparation of the Report that the Recipient has understood and accepted the terms of this Disclaimer.

14.2 Limits on Reliance on Information and Recommendations

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This Report does not contain all information that a person might require for the purposes of assessing any product discussed or appraised within it (Product). The product appraisal criteria used in preparing this Report may not address all relevant aspects of the Product.

Recipients should seek independent evidence of any matter which is material to their decisions in connection with an assessment of the Product and consult their own advisers for any technical information required. Any decision to use the Product should take into account the reliability of that independent evidence obtained by the Recipient regarding the Product.

Recipients should also independently verify and assess the appropriateness of any recommendation in the Report, especially given that any recommendation will not take into account a Recipient's particular needs or circumstances.

WSAA has not evaluated the extent of the product liability and professional indemnity insurance that the provider of the product maintains. Recipients should ensure that they evaluate the allocation of liability for product defects and any professional advice obtained

in relation to the product or its specification including the requirements for product liability and professional indemnity insurance.

14.3 No Updating

Neither the Publisher(s) nor any person involved in the preparation of this Report [has] [have] any obligation to notify you of any change in the information contained in this Report or of any new information concerning the Publisher(s) or the Product or any other matter.

14.4 No Warranty

The Publisher(s) do[es] not, in any way, warrant that steps have been taken to verify or audit the accuracy or completeness of the information in this Report, or the accuracy, completeness or reasonableness of any recommendation in this Report.

APPENDIX A - PRODUCT LITERATURE

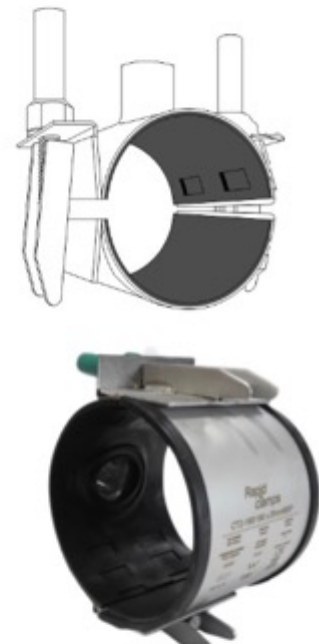
CT Tapping Saddles for PE pipe *Rapid clamps*

**Rapid Tapping Saddle
Grade 316 Stainless Steel**

Our CT tapping saddles provide the ideal solution for a branch connection from new and existing pipes. Our saddles incorporate a uniquely designed gasket made up of a lip and O-ring seal, embedded with a stainless disc at tapping to provide a superior strength seal capable of holding both positive and negative pipe pressure. They eliminate the need to "cut in" an off take, as the saddle can be installed around the pipe without disrupting the internal flow and tapped under pressure. This is known as Hot Tapping. CT Tapping Saddles are suitable for Polyethylene (PE) pipes and other pipe types, which require a permanent BSP or Flanged off take. AS-4793* Certified for use with Polyethylene (PE) pipes for pressure applications. WSAA PA-1903* - Appraised by Water Services Association Australia

Components

Shell:	Grade 316 Stainless steel. Fully passivized after welding
Tappings:	Grade 316 Stainless steel, DN 15mm to DN100mm BSP Rp parallel threaded socket. Flanges SS316, standard AS4087 PN16, drilled to Table D (DN50 to DN150). Other configurations avail
Gasket:	Nitrile, to AS1646 and AS4020. The gasket is specially designed with a static seal and a dynamic lip seal. Also incorporated into the seal is an internal stainless steel retaining disc, which prevents the seal and mat from extruding out, under extreme internal pressure. This specially designed seal allows for pipe outside diameter changes, caused by pressurizing and depressurizing of the pipe.
Locking Washer Plate:	Grade 316 Stainless steel. Locks into position for easy tightening of nuts
Receiver Bars:	Grade 316 Stainless steel TIG-welded to shell to form a strong fusion. Fully passivized after welding
Lugs:	Grade 316 Stainless steel MIG-welded to receiver bar and fully passivized after welding. Leading edge is rounded to prevent them from catching bolt bars during installation
Bolts:	Grade 316 Stainless steel Thread-rolled for strength and coated to prevent galling. Bolts are MIG-welded to the receiver bar and fully passivized after welding.
Nuts/Washers:	Grade 316 Stainless steel



General Information

Versatile design to fit a range of pipe ODs in one saddle, and able to adapt to the pipe ovality and irregularities. The strong Stainless steel shells reinforce the pipe at the tapping point. The tapping saddle seal is purpose designed to incorporate a static seal and a dynamic lip seal. Embedded into the seal is an internal stainless steel retaining disc, which prevents the seal and mat from extruding out, under extreme internal pressure. This unique seal allows for pipe outside diameter changes, caused by pressurizing and depressurizing of the pipe. CT Tapping Saddles have a fully lined rubber mat designed to insulate the pipe and protect it from galvanic corrosion. Trusted tapping solution across various industries in use since 2010.

*Approval based on DN 75-355 & Tapping BSP 15mm-50mm

E&OE



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CT TAPPING SADDLE PART NUMBERS

Product Code	Product Description
CT2-PE75x15	TAPPING SADDLE FOR PE PIPE OD75 x15BSP
CT2-PE75x20	TAPPING SADDLE FOR PE PIPE OD75 x20BSP
CT2-PE75x25	TAPPING SADDLE FOR PE PIPE OD75 x25BSP
CT2-PE90x15	TAPPING SADDLE FOR PE PIPE OD90 x15BSP
CT2-PE90x20	TAPPING SADDLE FOR PE PIPE OD90 x20BSP
CT2-PE90x25	TAPPING SADDLE FOR PE PIPE OD90 x25BSP
CT2-PE90x32	TAPPING SADDLE FOR PE PIPE OD90 x32BSP
CT2-PE90x40	TAPPING SADDLE FOR PE PIPE OD90 x40BSP
CT2-PE90x50	TAPPING SADDLE FOR PE PIPE OD90 x50BSP
CT2-PE110x15	TAPPING SADDLE FOR PE PIPE OD110 x15BSP
CT2-PE110x20	TAPPING SADDLE FOR PE PIPE OD110 x20BSP
CT2-PE110x25	TAPPING SADDLE FOR PE PIPE OD110 x25BSP
CT2-PE110x32	TAPPING SADDLE FOR PE PIPE OD110 x32BSP
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CT2-PE125x15	TAPPING SADDLE FOR PE PIPE OD125 x15BSP
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CT2-PE125x25	TAPPING SADDLE FOR PE PIPE OD125 x25BSP
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CT2-PE140x15	TAPPING SADDLE FOR PE PIPE OD140 x15BSP
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CT2-PE140x32	TAPPING SADDLE FOR PE PIPE OD140 x32BSP
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CT2-PE160x32	TAPPING SADDLE FOR PE PIPE OD160 x32BSP
CT2-PE160x40	TAPPING SADDLE FOR PE PIPE OD160 x40BSP
CT2-PE160x50	TAPPING SADDLE FOR PE PIPE OD160 x50BSP
CT2-PE180x15	TAPPING SADDLE FOR PE PIPE OD180 x15BSP
CT2-PE180x20	TAPPING SADDLE FOR PE PIPE OD180 x20BSP
CT2-PE180x25	TAPPING SADDLE FOR PE PIPE OD180 x25BSP
CT2-PE180x32	TAPPING SADDLE FOR PE PIPE OD180 x32BSP
CT2-PE180x40	TAPPING SADDLE FOR PE PIPE OD180 x40BSP

Product Code	Product Description
CT2-PE180x50	TAPPING SADDLE FOR PE PIPE OD180 x50BSP
CT2-PE200x15	TAPPING SADDLE FOR PE PIPE OD200 x15BSP
CT2-PE200x20	TAPPING SADDLE FOR PE PIPE OD200 x20BSP
CT2-PE200x25	TAPPING SADDLE FOR PE PIPE OD200 x25BSP
CT2-PE200x32	TAPPING SADDLE FOR PE PIPE OD200 x32BSP
CT2-PE200x40	TAPPING SADDLE FOR PE PIPE OD200 x40BSP
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CT2-PE355x15	TAPPING SADDLE FOR PE PIPE OD355 x15BSP
CT2-PE355x20	TAPPING SADDLE FOR PE PIPE OD355 x20BSP
CT2-PE355x25	TAPPING SADDLE FOR PE PIPE OD355 x25BSP
CT2-PE355x32	TAPPING SADDLE FOR PE PIPE OD355 x32BSP
CT2-PE355x40	TAPPING SADDLE FOR PE PIPE OD355 x40BSP
CT2-PE355x50	TAPPING SADDLE FOR PE PIPE OD355 x50BSP

Other sizes available on request.

Tapping options:

BSP-

15mm/20mm/25mm/32mm/40mm/50mm/65mm/80mm/100mm

Flange -

50mm/80mm/100mm/150mm

E&OE



Australia | New Zealand

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 +61 (0) 7 3889 6262



INSTALLATION GUIDE CASCADE/RAPID CLAMPS
CT Tapping Saddles For PE Pipe
 Permanent Connection Made Quick and Easy



The CT Tapping Saddle body parts are all made from 316 Stainless Steel with a nitrile gasket. The gasket is specially designed, which makes it ideal for use on PE pipe. The CT Tapping Saddles are design for permanent tapping off-take connections, on pressure and non-pressure PE pipe systems. Host pipe sizes from DN80mm upwards, that require a permanent BSP or flanged connection.

DN 15mm to DN 100mm BSP or DN 50mm to DN 150mm flanged sizes available.

- 1 Clean and remove any debris around the host pipe where the tapping saddle will be placed. Check for any pipe damage, if present relocate the saddle.
- 2 Disassemble the tapping saddle and install around the host pipe. Hand-tighten the nuts and position off-take as required.
- 3 Tension the nuts, evenly, uniformly, and keep gaps between segments equal. Do not fully tension one nut at a time, slowly tension nuts, moving from one nut to another, until recommended final tension is applied to all the nuts. Recheck the tension on all the nuts 10 minutes later.
- 4 Mechanically support the off-take fittings separately to the tapping saddle.
- 5 It is recommended to pressure test the tapping saddle and fittings before drilling into the pipe.

Recommended final tension M12 Nuts = 70-95Nm. M16 Nuts = 100-135Nm.

R1 E.&O.E.

APPENDIX B - QUALTY CERTIFICATIONS

Copies of the following Quality Certificates are also available from WSAA.

TABLE B1

CASCADE SALES & DISTRIBUTION (PTY) LTD – MANAGEMENT SYSTEMS

Bream and Lantern Road Wadeville Germiston South Africa	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	01 100 928919
Certifying Agency	TUV Rheinland
First Date of Certification	22 September 2017
Current Date of Certification	6 December 2022
Expiry Date of Certification	5 December 2025

TABLE B2

RAPID CLAMPS PTY LTD – PRODUCT CERTIFICATION

32 Business Drive Narangba Qld	
Product Standard/Spec.	AS 4793:2020
Certificate No.	AMI 75116
Issuing Certification Body	ApprovalMark International
First Date of Certification	14 January 2025
Current Date of Certification	14 January 2025
Expiry Date of Certification	14 January 2028

CERTIFICATE

Standard ISO 9001:2015

Certificate Registr. No. 01 100 928919

TÜV Rheinland Inspection Services Certifies:

Certificate Holder: **Cascade Sales & Distribution**
C/o Bream & Lantern Road
Wadeville
Germiston
1432

Scope: Manufacturer of stainless repair clamps for water pipes.

An audit was performed, Report No. 928919. Proof has been furnished that the requirements according to ISO 9001:2015 are fulfilled.

The due date for all future audits is 01 – 11 (dd.mm).

Validity: The certificate is valid from 2022-12-06 until 2025-12-05
First Certification 2022

South Africa, 2022-12-06 TÜV Rheinland Inspection Services (Pty) Ltd
4th Floor
138 West Street
Sandton
2196
Certification Body No. C09



C09

10201 10.17 E A4 © TÜV, TÜEV and TUV are registered trademarks. Utilisation and application requires prior approval.



ISO TYPE 5

CERTIFICATE OF CONFORMITY



ApprovalMark International hereby grants:

Rapid Clamps Pty Ltd

3/32 Business Drive
Narangba, QLD 4504
Australia

ISO Type 5 Certificate of Conformity

Evaluated to:

AS 4793:2020 – Mechanical tapping bands for waterworks purposes

The ISO Type 5 License shall comply with all the terms and conditions as stipulated by the governance of the operating rules of the ISO Type 5 Scheme and shall comply with the standard requirements at all times including when the standard is amended. The ISO Type 5 License only covers the product which is identified in the attached product schedule.

Certificate No. AMI 75116

Issued: 14th January 2025

Original Issue: 14th January 2025

Expires: 14th January 2028

John PRASAD
Director

ApprovalMark International Pty Ltd
18/33 Holbeche Road, Arndell Park 2148, Australia
www.approvalmark.com

ApprovalMark™



Registered by: ApprovalMark International Pty Ltd (ABN 69 143 259 974) Unit 18, 33 Holbeche Road, Arndell Park NSW 2148 Australia. The assessment was carried with appropriate skill and assessment by ApprovalMark International Pty Ltd, however it will only accept its responsibility for proven negligence. The certificate remains the property of ApprovalMark International Pty Ltd.



Product Schedule

Rapid Clamps Pty Ltd

3/32 Business Drive
Narangba, QLD 4504
Australia

ISO Type 5 Certificate of Conformity

Evaluated to:

AS 4793:2020 – Mechanical tapping bands for waterworks purposes

Model ID	Model Name	Brand Name	Product Description	Endorsement Date
CT2-PE75x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD75 x15BSP	14 th January 2025
CT2-PE75x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD75 x20BSP	14 th January 2025
CT2-PE75x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD75 x25BSP	14 th January 2025
CT2-PE90x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD90 x15BSP	14 th January 2025
CT2-PE90x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD90 x20BSP	14 th January 2025
CT2-PE90x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD90 x25BSP	14 th January 2025
CT2-PE90x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD90 x32BSP	14 th January 2025
CT2-PE90x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD90 x40BSP	14 th January 2025
CT2-PE90x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD90 x50BSP	14 th January 2025
CT2-PE110x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD110 x15BSP	14 th January 2025
CT2-PE110x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD110 x20BSP	14 th January 2025
CT2-PE110x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD110 x25BSP	14 th January 2025
CT2-PE110x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD110 x32BSP	14 th January 2025
CT2-PE110x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD110 x40BSP	14 th January 2025
CT2-PE110x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD110 x50BSP	14 th January 2025
CT2-PE125x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD125 x15BSP	14 th January 2025
CT2-PE125x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD125 x20BSP	14 th January 2025
CT2-PE125x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD125 x25BSP	14 th January 2025
CT2-PE125x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD125 x32BSP	14 th January 2025
CT2-PE125x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD125 x40BSP	14 th January 2025
CT2-PE125x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD125 x50BSP	14 th January 2025
CT2-PE140x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD140 x15BSP	14 th January 2025
CT2-PE140x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD140 x20BSP	14 th January 2025
CT2-PE140x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD140 x25BSP	14 th January 2025
CT2-PE140x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD140 x32BSP	14 th January 2025
CT2-PE140x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD140 x40BSP	14 th January 2025
CT2-PE140x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD140 x50BSP	14 th January 2025
CT2-PE160x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD160 x15BSP	14 th January 2025



Product Schedule

Model ID	Model Name	Brand Name	Product Description	Endorsement Date
CT2-PE160x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD160 x20BSP	14 th January 2025
CT2-PE160x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD160 x25BSP	14 th January 2025
CT2-PE160x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD160 x32BSP	14 th January 2025
CT2-PE160x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD160 x40BSP	14 th January 2025
CT2-PE160x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD160 x50BSP	14 th January 2025
CT2-PE180x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD180 x15BSP	14 th January 2025
CT2-PE180x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD180 x20BSP	14 th January 2025
CT2-PE180x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD180 x25BSP	14 th January 2025
CT2-PE180x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD180 x32BSP	14 th January 2025
CT2-PE180x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD180 x40BSP	14 th January 2025
CT2-PE180x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD180 x50BSP	14 th January 2025
CT2-PE200x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD200 x15BSP	14 th January 2025
CT2-PE200x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD200 x20BSP	14 th January 2025
CT2-PE200x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD200 x25BSP	14 th January 2025
CT2-PE200x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD200 x32BSP	14 th January 2025
CT2-PE200x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD200 x40BSP	14 th January 2025
CT2-PE200x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD200 x50BSP	14 th January 2025
CT2-PE225x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD225 x15BSP	14 th January 2025
CT2-PE225x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD225 x20BSP	14 th January 2025
CT2-PE225x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD225 x25BSP	14 th January 2025
CT2-PE225x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD225 x32BSP	14 th January 2025
CT2-PE225x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD225 x40BSP	14 th January 2025
CT2-PE225x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD225 x50BSP	14 th January 2025
CT2-PE250x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD250 x15BSP	14 th January 2025
CT2-PE250x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD250 x20BSP	14 th January 2025
CT2-PE250x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD250 x25BSP	14 th January 2025
CT2-PE250x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD250 x32BSP	14 th January 2025
CT2-PE250x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD250 x40BSP	14 th January 2025
CT2-PE250x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD250 x50BSP	14 th January 2025
CT2-PE280x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD280 x15BSP	14 th January 2025
CT2-PE280x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD280 x20BSP	14 th January 2025
CT2-PE280x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD280 x25BSP	14 th January 2025
CT2-PE280x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD280 x32BSP	14 th January 2025
CT2-PE280x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD280 x40BSP	14 th January 2025
CT2-PE280x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD280 x50BSP	14 th January 2025
CT2-PE315x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD315 x15BSP	14 th January 2025
CT2-PE315x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD315 x20BSP	14 th January 2025
CT2-PE315x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD315 x25BSP	14 th January 2025



Product Schedule

Model ID	Model Name	Brand Name	Product Description	Endorsement Date
CT2-PE315x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD315 x32BSP	14 th January 2025
CT2-PE315x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD315 x40BSP	14 th January 2025
CT2-PE315x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD315 x50BSP	14 th January 2025
CT2-PE355x15	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD355 x15BSP	14 th January 2025
CT2-PE355x20	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD355 x20BSP	14 th January 2025
CT2-PE355x25	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD355 x25BSP	14 th January 2025
CT2-PE355x32	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD355 x32BSP	14 th January 2025
CT2-PE355x40	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD355 x40BSP	14 th January 2025
CT2-PE355x50	CT	RAPID CLAMPS	TAPPING SADDLE FOR PE PIPE OD355 x50BSP	14 th January 2025

End of record

Certificate No. AMI 75116

The models identified above in the schedule are endorsed for ISO Type 5 application only.

APPENDIX C - SUPPLIER CONTACTS

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