

WSAA PRODUCT APPRAISAL CERTIFICATE

EJ Australia Pty Ltd Ductile Iron Access Covers

This Appraisal is for ductile iron access covers and frames for utilisation in sewer systems, as described below.

Maestro[™] DN 600 Class E solid top hinged, TP800 DN 600 Class B solid top bolt down, TP800 DN 600 Class D solid top bolt down.

This Issue 3a is to include TP800 Class B and Class D access covers and correct a typograghical error.

The Maestro solid top access covers incorporate a ductile iron hinge system (captive or non-captive) with the cover secured to the frame by three flexible ductile iron locking bars (slam lock). An elastomeric seal located between the cover and frame provides a water and gas tight seal and also serves as an anti-rocking feature.

The TP800 solid top access covers utilise three bolts and an O-ring polychloroprene seal to secure the cover to the frame.

The covers have a skid resistant raised pattern. The keyholes provided on the covers comply with AS 3996 and are compatible with the industry standard key lifter.

Quality certification and product details are included in Schedule A.

Product Category	Access Covers	
PA Number	PA 1411 Issue 3a	
Supplier	EJ Australia Pty Ltd	
Brand	Maestro TP800	
Standards	AS 3996:2019 Access covers and grates	
WSAA Product Specifications	WSA PS 290 Ductile Iron Access Covers and Frames for Drinking Water, Non-drinking Water Supply and Sewerage to AS 3996	
Issue date	6 September 2024	
Expiry date	2 June 2029	
Recommendations	It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise DN 600 Maestro Class E, TP800 Class B and TP800 Class D Access Covers for use in sewerage systems provided they are installed in accordance with WSAA Codes and manufacturer's requirements, where specified.	
Disclaimer	The disclaimer on Page 2 explains a number of very important limits on your ability to rely on the information in this Product Appraisal Certificate and the assessment criteria used to underlay it. Please read it carefully and take it into account when considering the content in this Certificate.	

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1. Disclaimer

This Product Appraisal Certificate (Certificate) is issued by WSAA on the understanding that:

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

To maintain the recommendations of this Certificate any such changes shall be detailed and notified to the Product Appraisal Manager for consideration and review of the Certificate including the product appraisal criteria underlying it 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. Certificates will be reviewed and reissued at regular intervals not exceeding five (5) years.

WSAA reserves the right to withdraw this Certificate at any time in its sole and absolute discretion for any reason.

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

Any enquiries regarding this Certificate should be directed to the Product Appraisal Manager Phone: 03 8605 7601 email carl.radford@wsaa.asn.au.

1.1. Issue of Certificate

This Certificate has been published and/or prepared by WSAA and nominated Project Manager and peer group of technical specialists (the Publishers).

The Certificate and the underlying product appraisal criteria have been prepared for use within Australia only by technical specialists that have expertise in the function of products such as those appraised in the Certificate (the Recipients).

By accepting this Certificate, the Recipient acknowledges and represents to the Publisher(s) and each person involved in the preparation of the Certificate and product appraisal criteria underlying it that the Recipient has understood and accepted the terms of this Disclaimer.

1.2. Limits on Reliance on Information and Recommendations

1.2.1. Disclaimer of liability

Neither the Publisher(s) nor any person involved in the preparation of the Certificate and product appraisal criteria underlying it accept(s) any liability for any loss or damage suffered by any person however caused (including negligence or the omission by any person to do anything) relating in any way to the Certificate or the product appraisal criteria underlying it. This includes (without limitation) any liability for any recommendation or information in the Certificate or any errors or omissions.

1.2.2. Intellectual Property and other rights

WSAA does not undertake any assessment of whether the importation, manufacture, sale or use of the Product the subject of this Certificate infringes the intellectual property rights or proprietary rights of any person. Recipients of the Certificate should undertake their own assessment of whether (as relevant) the importation, manufacture, sale or use of the relevant Products infringe the intellectual property rights or other proprietary rights of any person. If the Product infringes intellectual property rights or other proprietary rights there is potential for the supply of the Products to be interrupted.

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1.2.3. Need for independent assessment

The information and any recommendation contained (expressly or by implication) in this Certificate are provided in good faith (and subject to the limitations noted in this Certificate). However, you should treat the information as indicative only. You should not rely on that information or any such recommendation except to the extent that you reach an agreement to the contrary with the Publisher(s).

This Certificate does not contain all information that a person might require for the purposes of assessing any product discussed or appraised within it. The product appraisal criteria used in preparing this Certificate 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 Certificate, 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 indemnify 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.

1.3. No Updating

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

1.4. 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 Certificate, or the accuracy, completeness or reasonableness of any recommendation in this Certificate.

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SCHEDULE A

QUALITY CERTIFICATIONS

Copies of the following quality certificates are available from WSAA.

SCHEDULE A1 EJ AUSTRALIA PTY LTD – MANAGEMENT SYSTEM

2/354 South Pine Road Brendale Qld			
Quality Systems Standard	ISO 9001:2015		
Certification Licence No.	1552		
Certifying Agency	Compliance Australia Certification Services		
First Date of Certification	26 November 2019		
Current Date of Certification	25 November 2022		
Expiry Date of Certification	24 November 2025		

SCHEDULE B2 EJ AUSTRALIA PTY LTD- PRODUCT CERTIFICATION

2/354 South Pine Road Brendale Qld		
Product Standard/Spec.	AS 3996-2019	
Certificate No.	IMK30034	
Issuing Certification Body	IAPMO Oceania	
First Date of Certification	11 September 2013	
Current Date of Certification	11 September 2023	
Expiry Date of Certification	10 September 2028	

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SCHEDULE B

PRODUCT LITERATURE

March 2012

MAESTRO™

A design for optimum performance, durability and user-friendliness.



CLASS E 400kN | AS 3996

Suitable for high intensity traffic Exceeds HNHO-72 transit load requirement

Creating tomorrow's solutions today.

Our highly trained and experienced in-house product development teams will provide the optimum solutions to solve our customers' challenges.

Our product designers use the latest software to generate designs. We also ensure that our products perform optimally through finite element analysis, in-house tests on materials and load tests on product prototypes. Dynamic testing ensures that the product will perform in a real life environment.

Our legacy of continuous improvement, innovation and safety will extend far into the future. As a result of this philosophy, **MAESTROTM** stands out as an underiable reference point for the manhole covers industry.

Innovation ... inventing the products you need!

With over 750 approved products by third-party test houses, our commitment to you is that we will continue to create ingenious customer-oriented solutions that improve people's lives.

ejco.com





SCHEDULE B

March 2012

MAESTROTM

The result of decades of experience at EJ in designing the best access covers for more demanding road conditions.

A unique and industry-leading polypro EPDM cushioning insert

- Inspired by the automotive industry: it offers a long lasting performance in high or low temperatures.
- Clipped onto the access cover without any glue: this reduces the impact on the environment.
- Easy to replace on-site. The frame cover seating offers a groove to minimise the material deformation. wear and tear.
- Its special profile is optimised to enhance the performance, even under the most intensive load.

Slam locking ... for enhanced network asset safety

- 3 elastic ductile bars placed under the cover will strongly secure the cover in place.
- This increases the network asset security and
- provides the initial theft deterrent security. The 3 elastic ductile bars help maintain the central position of the cover to further reduce seating wear.
- When closed, the cover will sustain small surges of back pressure without opening. When subject to larger back pressure surges, the cover will act as a pressure relief valve: opening itself up when under pressure, and resting back in its natural closed position.
- Pedestrian traffic will eventually shut the cover up completely.
- The cover will always stay in place thanks to the hinge and slam lock.

The frame ... solidly anchored

- 4 double skin zones to maximise rigidity and take the most intense traffic stresses. Maximum frame anchoring with double skin and
- slots on the frame.
- 4 holes to boit the frame onto the concrete head.
- Optimised seating area on the frame for the lowest pressure and long lasting seating without seating wear.
- Seating also includes a lip to limit the insert deformation under maximum loads. This further extends the life span of the insert.

Customise your access cover

With millions of covers installed in our urban environment, why not take advantage of our custom badging facilty:

- Enhanced network type recognition when on-site.
- Help identify network asset ownership; our wide badging area is ideal for customising your product with your city coat of arms or logo Our 3D modelling tool will create your badge from a single photo.
- NEW: colour markings available!

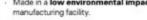




Durable by design for the highest traffic intensity;

Best in class for on-site handling

- Locking and captive hinge for network security:
- Special cushioning insert for a durable silence;
- Limited water ingress by design;
- Pressure relief valve system Made from recycled material and
- 100% recyclable; Made in a low environmental impact





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SCHEDULE B



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Introducing the TP800 Range

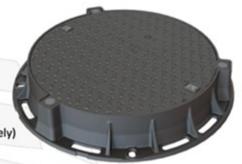
The TP800 is a French Designed circular manhole cover long serving the European market. Introduced to Australia in 2019 it's one of our best-selling products. It is a robust, easy to use and feature-packed design.

TP800 Key Details:

- · 600 Clear Opening Diameter
- Available in Class B & D to AS3996:2019
- · Available in High & Low Frame options
- · Covers & Frames are interchangeable

TP800 Key Features:

- Gas and water-tight sealed to AS3996:2019
- Triple Locating Points for easy maintenance
- Anti-slip surface (Patented 4L Design)
- Australian Standard Keyways (Lifting Keys sold separately)
- Optional Frame bolt down points
- · Rated to Peaks of 10 mtrs head of back pressure



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SCHEDULE C

SUPPLIER CONTACTS

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NSW

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