

WSAA PRODUCT APPRAISAL CERTIFICATE

Iplex Pipelines Australia Pty Ltd– EZIpit® Polypropylene (PP) maintenance shafts, maintenance chambers and maintenance holes for sewerage

The scope of this Appraisal includes the EZIpit® 1000 maintenance hole (MH), EZIpit® 600 maintenance chamber (MC) and EZIpit® 425 maintenance shaft (MS). The components include polypropylene bases and risers, riser couplings, plain couplings, plugs, near surface fittings and elastomeric ring seals as listed in the attached Schedule B.

Product Category	Polypropylene (PP) Maintenance Shafts, Chambers and Holes
PA Number:	PA 0901 Issue 5 (Certificate)
Supplier	Iplex Pipelines Australia Pty Ltd
Brand	EZIpit®
Standards	WSA 137:2019 Issue 3 - Industry standard for Unplasticized polyvinyl chloride (PVC-U), polypropylene (PP) and Polyethylene (PE) maintenance shafts, maintenance chambers and maintenance holes for sewerage
WSAA Product Specification	WSA PS-341 Maintenance Shafts (MS) – Polypropylene (PP) for Non-Pressure Applications – Sewerage, WSA PS-337 Maintenance Chambers (MC) – Polypropylene (PP) for Non-Pressure Applications – Sewerage and WSA PS-340 Maintenance Holes (MH) – Polypropylene (PP) for Non-Pressure Applications – Sewerage
Issue date	14 April 2020
Expiry date	14 April 2025
Recommendations	<p>It is recommended that WSAA members and associates accept and authorise the EZIpit® 1000 Maintenance Hole, EZIpit® 600 Maintenance Chamber and EZIpit® 425 Maintenance Shaft for gravity sewer applications, as listed in Appendix B subject to the design, installation, testing and commissioning being carried out in accordance with:</p> <ul style="list-style-type: none"> (a) AS/NZS 2566.1 Buried flexible pipelines part 1: Structural design (b) AS/NZS 2566.2 Buried flexible pipelines Part 2: Installation (c) Iplex Pipelines EZIpit® Technical Guide, 'Polypropylene maintenance structures for gravity sewer applications' (d) WSAA Codes and any specific requirements of the members.
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 (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.

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 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.

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.

APPENDIX A - PRODUCT CERTIFICATIONS

Copies of the following Quality and Product Certification Certificates are available for downloading from the WSAA 'Members Only' project portal website.

TABLE A1 - IPLEX PIPELINES AUSTRALIA PTY LIMITED – QUALITY MANAGEMENT SYSTEMS

These sites are registered under the Certificate No: QEC0037: IPLEX PIPELINES AUSTRALIA PTY LIMITED.	
Design, Manufacturing & Distribution:	35 Alfred Road Chipping Norton NSW 2170 Australia.
Manufacturing & Distribution:	31 Terry Court, Thurgoona NSW 2640 Australia
Design, Manufacturing & Distribution:	Cnr South Pine & Johnstone Roads Brendale QLD 4500
Manufacturing & Distribution:	169 Philip Highway, Elizabeth SA 5112, Australia
Manufacturing & Distribution	9-15 Radford Road, Reservoir VIC 3073, Australia
Quality Systems Standard	ISO 9001:2015
Certification licence no.	QEC0037
Certifying agency	SAI Global Limited
Current date of certification	2 January 2018
First date of certification	3 April 1990
Expiry date of certification	9 January 2021

TABLE A2 GATIC-MILNES – MANAGEMENT SYSTEMS

Applicant's Business GATIC-MILNES 9-15 Radford Road, Reservoir Vic 3073, Australia.	
Quality Systems Standard	ISO 9001:2015
Certification licence no.	260016-2018-AQ-AUS-JAS-ANZ (ProductMark Scheme)
Certifying agency	DNV-GL Business Assurance, Sydney NSW 2060
First date of certification	18 February 2009
Current date of certification	16 March 2018
Expiry date of certification	18 Feb 2021

TABLE A3 WAVIN GMBH KUNSTSTOFF-ROHRSYSTEME - MANAGEMENT SYSTEMS

Manufacturing Address: Industriestraße 20, 49767 Twist, Germany	
Quality Systems Standard	ISO 9001:2015
Certification licence no.	95687
Certifying agency	Kiwa International Cert GmbH, Germany (DAkKS accredited)
Revised on	28 May 2018
Current date Certification	19 May 2017
Expiry date of certification	18 May 2020

TABLE A4 IPLEX PIPELINES AUSTRALIA PTY LIMITED – PRODUCT CERTIFICATION

Manufacturing Address: Cnr South Pipe & Johnstone Roads, Strathpine, QLD 4500, Australia.	
Product Standard	AS/NZS 5065:2005
Certificate No.	SMKP20603
Conformity Assessment Body	SAI Global Limited
First date of Certification	9 August 2006
Current date of certification	18 October 2016
Expiry date of certification:	8 August 2021

TABLE A5 GATIC-MILNES – PRODUCT CERTIFICATION

Applicant's Business GATIC-MILNES 9-15 Radford Road, Reservoir Vic 3073, Australia.	
Product Standard	AS 3996:2006
Certificate No.	259747-2018-WM-AUS-JAS-ANZ (ProductMark Scheme)
Conformity Assessment Body	DNV-GL Business Assurance, Sydney NSW 2060
First date of Certification	4 June 2010
Current date of certification	16 March 2018
Expiry date of certification:	18 February 2021

TABLE A6 WAVIN POLSKA S.A.– PRODUCT CERTIFICATION

Manufacturing Address: WAVIN METALPLAST-BUK SP. Z O.O. ul. Dobiezynska 43; Buk; Wielkopolskie; 64-320 Poland.	
Product Standard	EN13598-2
Registration No.	2070
Conformity Assessment Body	INSTA-CERT
Date of valid edition	22 May 2015
Date of first issue	2 February 2011

INSTA-CERT is a Nordic group of certification bodies. Certification by INSTA-CERT means that the certificates will be valid and useful in all the Nordic countries, Denmark, Finland, Norway and Sweden.

TABLE A7 LANKHORST ENGINEERING PRODUCTS B.V – MANAGEMENT SYSTEMS

Applicant's Business Prinsengracht 2, 8607 AD, Sneek, The Netherlands	
Quality Systems Standard	ISO 9001:2015
Certification licence no.	263091-2018-AQ-NLD-RvA
Certifying agency	DNV-GL Business Assurance, Barendrecht, The Netherlands
First date of certification	19 February 1997
Current date of certification	29 May 2018
Expiry date of certification	29 May 2021

TABLE A8 LANKHORST ENGINEERING PRODUCTS B. V – PRODUCT CERTIFICATION

Manufacturing Address: Prinsengracht 2, 8607 AD Sneek, The Netherlands.	
Product Standard	EN13598-2
Registration No.	2110
Conformity Assessment Body	INSTA-CERT
Date of valid edition	23 August 2019
Date of first issue	23 August 2019

INSTA-CERT is a Nordic group of certification bodies. Certification by INSTA-CERT means that the certificates will be valid and useful in all the Nordic countries, Denmark, Finland, Norway and Sweden.

TABLE A9 LANKHORST ENGINEERING PRODUCTS B. V – PRODUCT CERTIFICATION

Manufacturing Address: Prinsengracht 2, 8607 AD Sneek, The Netherlands.	
Product Standard	NBN EN13598-2
Registration No.	BB-601-353-13598-2 PP-2-4284-26799 (BCCA BENOR Certificate) Max depth of 6m from ground level to the invert of the base unit and max depth of groundwater above invert of 5m
Conformity Assessment Body	Belgian Construction Certification Association NPO, Brussels
Date of valid edition	1 May 2017
Valid until	30 April 2020

BCCA is a notified certification body with notification number 0749. We issue certificates that allow manufacturers to meet their legal obligations under the European Construction Products Regulation (EU) No 305/2011. After obtaining a certificate, manufacturers can draw up a declaration of performance and affix the CE marking to their products, a requirement for placing them on the European market.

The AVCP system defines the level of Assessment and Verification of Constancy of Performance for CE-marking. BCCA issues both product certificates (AVCP systems 1 and 1+) and factory production control certificates (AVCP systems 2+).

TABLE A10 THAI DUONG JOINT STOCK CO, HIUTEC ASIA PACIFIC PTY LTD – MANAGEMENT SYSTEMS

Applicant's Business Lot A 6B-CN, My Phuoc 3 Industrial Park, Ben Cat District, Binh Duong Province, Vietnam	
Quality Systems Standard	ISO 9001:2015
Certification licence no.	01 100 106571/01
Certifying agency	TUV Rheinland Cert. GmbH
First date of certification	04.09.2018
Current date of certification	04.09.2018
Expiry date of certification	03.09.2021

TABLE A11 THAI DUONG JOINT STOCK CO, HIUTEC ASIA PACIFIC PTY LTD – PRODUCT CERTIFICATION

Applicant's Business Lot A 6B-CN, My Phuoc 3 Industrial Park, Ben Cat District, Binh Duong Province, Vietnam	
Quality Systems Standard	AS 1646:2007
Certification licence no.	AMI 74510
Certifying agency	ApprovalMark International
First date of certification	10 February 2013
Current date of certification	9 February 2019
Expiry date of certification	9 February 2022

TABLE A12 WAVIN POLSKA S.A, POLAND – PRODUCT CERTIFICATION









Manufacturing Address: ul. Dobiezynska 43, 64-320 Buk, Poland	
Product Standard	EN14396:2004 Fixed ladders for manholes
Declaration of Performance No.	011/1
Conformity Assessment Body	In accordance with Regulation (Cu) No. 305/2011
Date issued	31/03/2017

TABLE A13 VIVA SJ POLAND – CE DECLARATION OF CONFORMITY

Manufacturing Address: Wavin Metalplast-Buk Sp.z.o.z, ul. Dobiezynska 43, 64-320 Buk, Poland	
Product Standard	EN 681-1
Declaration of Performance No.	TUV Ref WO/PS/1577/04 dated 28/06/2004
Conformity Assessment Body	TUV Rheinland Group
Date issued	20/08/2012

FIGURE B1 EZIPIT® 425 PP MS BASE CONFIGURATION

EZipit® 425 MS (PP) Base Configurations

	Type I				Type T	Type X
	180°	30°	60°	90°	90° (3 way)	90° (4 way)
DN 150						
DN 225						
DN 300						

Note: Illustrations only. Not to scale.

TABLE B1 EZIPIT® 425 MS FLOW PROFILES (Tegra® 425)

Product Code	Description	Material
TGB425150	DN425 x DN150 base x 180° channel RRJ	Polypropylene
TGB425225	DN425 x DN225 base x 180° channel RRJ	Polypropylene
TGB425300	DN425 x DN300 base x 180° channel RRJ	Polypropylene
TGB42515090	DN425 x DN150 base x 90° channel RRJ	Polypropylene
TGB425150120	DN425 x DN150 base x 60° channel RRJ	Polypropylene
TGB425150150	DN425 x DN150 base x 30° channel RRJ	Polypropylene
TGB425T150	DN425 x DN150 base x Tee channel RRJ	Polypropylene
TGB425X150	DN425 x DN150 base x Double Tee channel RRJ	Polypropylene

EZIpit® 600 MC (PP) Base Configurations

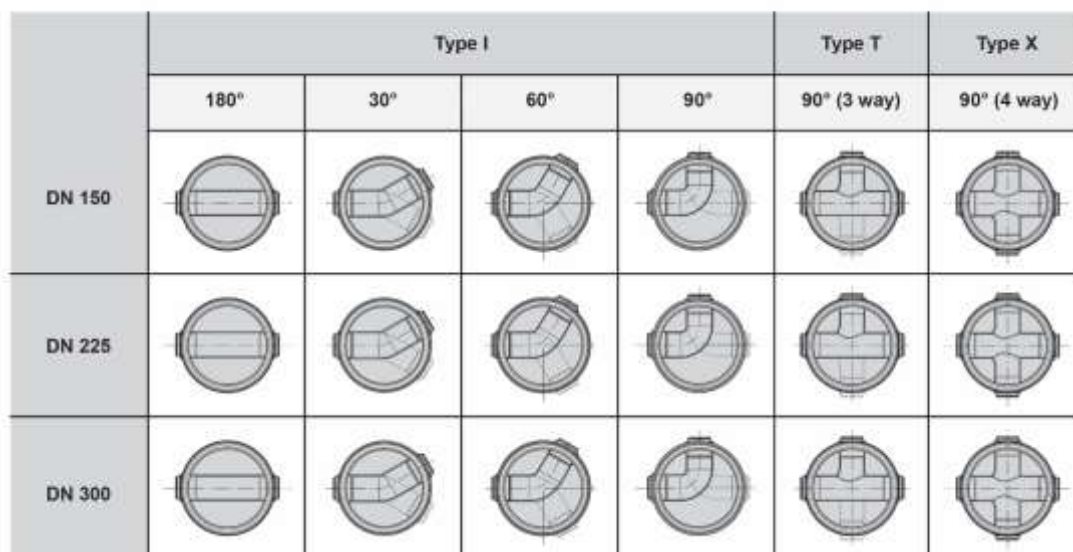


FIGURE 2 EZIPIT® 600 PP MC BASE CONFIGURATION

TABLE B2 EZIpit® 600 MC FLOW PROFILES (Tegra® 600)

Product Code	Description	Material
TGB600150	DN600 x DN150 base x 180° channel RRJ	Polypropylene
TGB600225	DN600 x DN225 base x 180° channel RRJ	Polypropylene
TGB600300	DN600 x DN300 base x 180° channel RRJ	Polypropylene
TGB600375	DN600 x DN375 base x 180° channel RRJ	Polypropylene
TGB60015090	DN600 x 150 base x 90° channel RRJ	Polypropylene
TGB60022590	DN600 x 225 base x 90° channel RRJ	Polypropylene
TGB60030090	DN600 x 300 base x 90° channel RRJ	Polypropylene
TGB600150120	DN600 x DN150 base x 60° channel RRJ	Polypropylene
TGB600225120	DN600 x DN225 base x 60° channel RRJ	Polypropylene
TGB600300120	DN600 x DN300 base x 60° channel RRJ	Polypropylene
TGB600150150	DN600 x DN150 base x 30° channel RRJ	Polypropylene
TGB600225150	DN600 x DN225 base x 30° channel RRJ	Polypropylene
TGB600300150	DN600 x DN300 base x 30° channel RRJ	Polypropylene
TGB600T150	DN600 x DN150 base x Tee channel RRJ	Polypropylene
TGB600T225	DN600 x DN225 base x Tee channel RRJ	Polypropylene
TGB600T300	DN600 x DN300 base x Tee channel RRJ	Polypropylene

TGB600X150	DN600 x DN150 base x Double Tee channel RRJ	Polypropylene
TGB600X225	DN600 x DN225 base x Double Tee channel RRJ	Polypropylene
TGB600X300	DN600 x DN300 base x Double Tee channel RRJ	Polypropylene


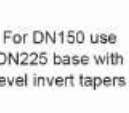
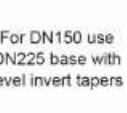








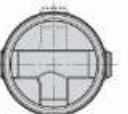






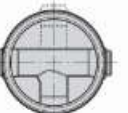


	Type I				Type T ²	Type Y	Type X
	180°	30°	60°	90°	90° (3 way)	45° (4 way)	90° (4 way)
DN 150		For DN150 use DN225 base with level invert tapers 	For DN150 use DN225 base with level invert tapers 				
DN 225							
DN 300							

FIGURE 3 EZIPIT® 1000 PP MH BASE CONFIGURATIONS

TABLE 3 EZIpit® 1000 MH FLOW PROFILES (Tegra® 1000)

Product Code	Description	Material	Mass (kg)
TNGB1000150	EZIpit® 1000 NG (PP) Base x 180° x DN150 DWV RRJ	Polypropylene	57
TNGB1000225	EZIpit® 1000 NG (PP) Base x 180° x DN225 DWV RRJ	Polypropylene	64
TNGB1000300	EZIpit® 1000 NG (PP) Base x 180° x DN300 DWV RRJ	Polypropylene	64
TNGB100022530	EZIpit® 1000 NG (PP) Base x 30° x DN225 DWV RRJ	Polypropylene	64
TNGB100030030	EZIpit® 1000 NG (PP) Base x 30° x DN300 DWV RRJ	Polypropylene	64
TNGB100022560	EZIpit® 1000 NG (PP) Base x 60° x DN225 DWV RRJ	Polypropylene	64
TNGB100030060	EZIpit® 1000 NG (PP) Base x 60° x DN300 DWV RRJ	Polypropylene	64
TNGB100015090	EZIpit® 1000 NG (PP) Base x 90° x DN150 DWV RRJ	Polypropylene	57
TNGB100022590	EZIpit® 1000 NG (PP) Base x 90° x DN225 DWV RRJ	Polypropylene	64
TNGB100030090	EZIpit® 1000 NG (PP) Base x 90° x DN300 DWV RRJ	Polypropylene	64

Product Code	Description	Material	Mass (kg)
TNGB1000Y150	EZIpit® 1000 NG (PP) Base x 45° Wye x DN150 DWV RRJ	Polypropylene	59
TNGB1000Y225	EZIpit® 1000 NG (PP) Base x 45° Wye x DN225 DWV RRJ	Polypropylene	65
TNGB1000Y300	EZIpit® 1000 NG (PP) Base x 45° Wye x DN300 DWV RRJ	Polypropylene	65
TNGB1000X150	EZIpit® 1000 NG (PP) Base x 90° Double Sweep Junction x DN150 DWV RRJ	Polypropylene	57
TNGB1000X225	EZIpit® 1000 NG (PP) Base x 90° Double Sweep Junction x DN225 DWV RRJ	Polypropylene	64
TNGB1000X300	EZIpit® 1000 NG (PP) Base x 90° Double Sweep Junction x DN300 DWV RRJ	Polypropylene	64
TNGB1000T150	EZIpit® 1000 NG (PP) Base x 90° Tee Channel x DN150 DWV RRJ	Polypropylene	57
TNGB1000T225	EZIpit® 1000 NG (PP) Base x 90° Tee Channel x DN225 DWV RRJ	Polypropylene	64
TNGB1000T300	EZIpit® 1000 NG (PP) Base x 90° Tee Channel x DN300 DWV RRJ	Polypropylene	64

NOTE:

For Type I bases with 30° and 60° configurations, use Iplex DN225 x DN150 invert level taper for connecting DN150 DWV PVC smooth wall pipe.

EZIpit® PE 1000 MH base DN375 straight-through is not included in this appraisal



FIGURE 4 EZIpit® MC RISER (DN600) AND MS RISER (DN425)

TABLE 4 EZIpit® MC RISER (DN600) AND MS RISER (DN425)

Product Code	Description	Colour	Material
TGPP425B	DN425 x 2000 mm EZIpit® Riser	Orange/Brown	Polypropylene
TGPP425C	DN425 x 3000 mm EZIpit® Riser	Orange/Brown	Polypropylene
TGPP425F	DN425 x 6000 mm EZIpit® Riser	Orange/Brown	Polypropylene

Product Code	Description	Colour	Material
TGPP600A	DN600 x 1000 mm EZIpit® Riser	Light Grey	Polypropylene
TGPP600AV	DN600 x 1500 mm EZIpit® Riser	Light Grey	Polypropylene
TGPP600B	DN600 x 2000 mm EZIpit® Riser	Light Grey	Polypropylene
TGPP600C	DN600 x 3000 mm EZIpit® Riser	Light Grey	Polypropylene
TGPP600D	DN600 x 4000 mm EZIpit® Riser	Light Grey	Polypropylene
TGPP600DV	DN600 x 4500 mm EZIpit® Riser	Light Grey	Polypropylene
TGPP600F	DN600 x 6000 mm EZIpit® Riser	Light Grey	Polypropylene

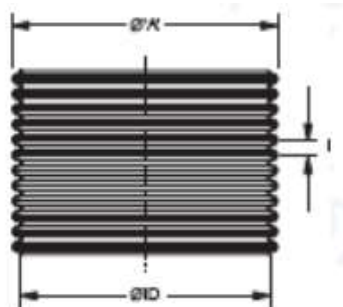


FIGURE 5 EZIPIT® PP 1000 SINGLE WALL CORRUGATED RISER

TABLE 5 EZIpit® MH RISER (DN1000)

Product Code	Description	Material	Mass (kg)
TNGPP1000AS	EZIpit1000 NG (PP) Corrugated Riser x 1200mm SN4 BR PL	Polypropylene	32
TNGPP1000BU	EZIpit1000 NG (PP) Corrugated Riser x 2400mm SN4 BR PL	Polypropylene	65
TNGPP1000CW	EZIpit1000 NG (PP) Corrugated Riser x 3600mm SN4 BR PL	Polypropylene	97
TNGPP1000F	EZIpit1000 NG (PP) Corrugated Riser x 6000mm SN4 BR PL	Polypropylene	162



FIGURE 6 EZIPIT® 1000 PP MH REDUCING CONE WITH 600 RISER ADAPTOR

TABLE 6 EZIpit® 1000 MH REDUCING CONE

Product Code	Description	Material	Mass (kg)
TNGC1000600	EZIpit® 1000 NG x DN600 (PP) Cone	Polypropylene	39

TABLE 7 EZIpit® 600 AND 425 ELASTOMERIC RISER SEALS

Product Code	Description	Material
GERSEW425	EZIpit® 425 Rubber ring Seal	SBR
GERSEW600	EZIpit® 600 Rubber ring Seal	SBR

TABLE 8 EZIpit® 1000 ELASTOMERIC RISER SEALS

Product Code	Description	Material
GERSEW1000	EZIpit®1000 NG DN1000 Rubber ring (corrugated riser)	SBR



FIGURE 7 EZIpit® DOUBLE SOCKET COUPLING, 4 WAY- RISER COUPLING

TABLE 9 EZIpit® DOUBLE SOCKET COUPLING AND 4 WAY- RISER COUPLING

Product Code	Description	Material
TNGCOUP1000	EZIpit® 1000 NG DN1000 Double Socket	Polypropylene
TGU425x150	DN425 x DN150 (4 way) Riser Coupling	Polypropylene

Product Code	Description	Material
TGU600150AV	DN600 x DN150 x 1500mm EZIpit® Riser Junction	Polypropylene
TGU600150C	DN600 x DN150 x 3000mm EZIpit® Riser Junction	Polypropylene
TGU600150DV	DN600 x DN150 x 4500mm EZIpit® Riser Junction	Polypropylene
TGU600X225150	DN600 x DN225 x DN150 Riser coupling ¹	Polypropylene
TGU425	DN425 EZIpit® Riser Union	PVC
GR58600	DN600 EZIpit® Riser Union	Polypropylene and SBR elastomeric ring seal

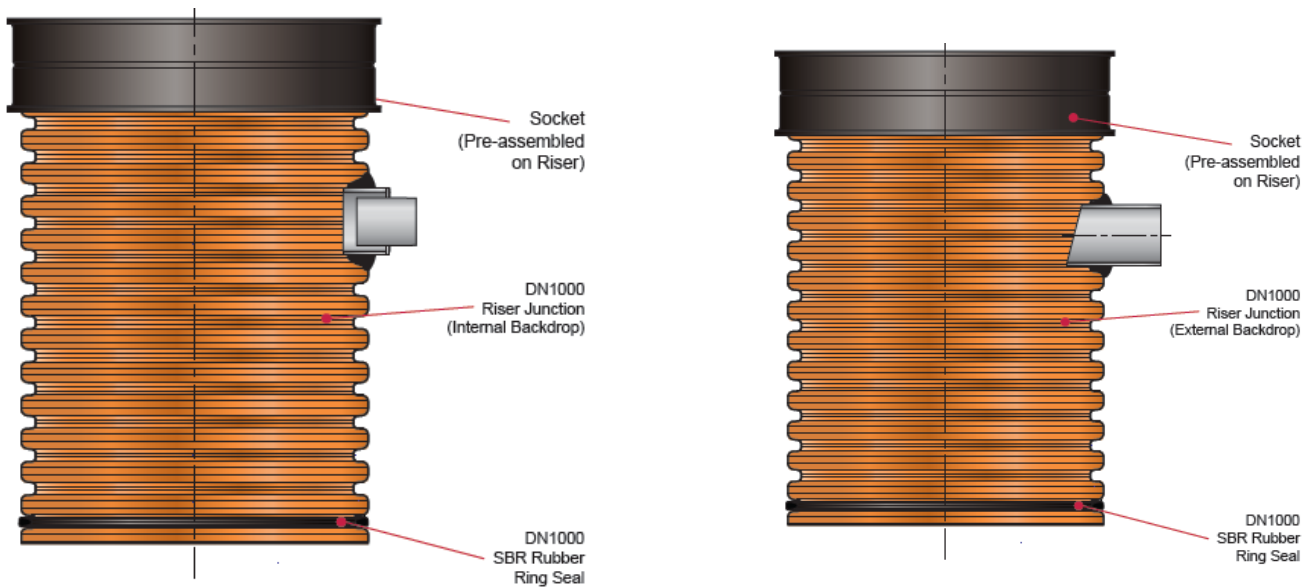


FIGURE 8 EZIpit® 1000 RISER COUPLINGS FOR INTERNAL AND EXTERNAL DROPS

TABLE 10 EZIpit® 1000 RISER COUPLINGS FOR INTERNAL AND EXTERNAL DROPS

Product Code	Description	Material	Mass (kg)
TNGUE1000150AS	EZIpit® 1000 x 1.2m Riser Coupling with DN150 (160 OD) PP Spigot off take M&F (External drop)	Polypropylene	33
TNGUE1000150BU	EZIpit® 1000 x 2.4m Riser Coupling with DN150 (160 OD) PP Spigot off take M&F (External drop)	Polypropylene	67
TNGUE1000150CW	EZIpit® 1000 x 3.6m Riser Coupling with DN150 (160 OD) PP Spigot off take M&F (External drop)	Polypropylene	98

Product Code	Description	Material	Mass (kg)
TNGUI1000150AS	EZIpit® 1000 x 1.2m Riser Coupling with DN150 (160 OD) PP Spigot off take M&F (Internal drop)	Polypropylene	33
TNGUI1000150BU	EZIpit® 1000 x 2.4m Riser Coupling with DN150 (160 OD) PP Spigot off take M&F (Internal drop)	Polypropylene	67
TNGUI1000150CW	EZIpit® 1000 x 3.6m Riser Coupling with DN150 (160 OD) PP Spigot off take M&F (Internal drop)	Polypropylene	98
TNGUE1000225AS	EZIpit® 1000 x 1.2m Riser Coupling with DN225 (250 OD) PP Spigot off take M&F (External drop)	Polypropylene	34
TNGUE1000225BU	EZIpit® 1000 x 2.4m Riser Coupling with DN225 (250 OD) PP Spigot off take M&F (External drop)	Polypropylene	68
TNGUE1000225CW	EZIpit® 1000 x 3.6m Riser Coupling with DN225 (250 OD) PP Spigot off take M&F (External drop)	Polypropylene	99
TNGUI1000225AS	EZIpit® 1000 x 1.2m Riser Coupling with DN225 (250 OD) PP Spigot off take M&F (Internal drop)	Polypropylene	34
TNGUI1000225BU	EZIpit® 1000 x 2.4m Riser Coupling with DN225 (250 OD) PP Spigot off take M&F (Internal drop)	Polypropylene	68
TNGUI1000225CW	EZIpit® 1000 x 3.6m Riser Coupling with DN225 (250 OD) PP Spigot off take M&F (Internal drop)	Polypropylene	99

TABLE 10 GATIC® EZIpit® FRAME AND ACCESS COVER ARRANGEMENTS

Product Code	Description	Material	Class	Standard	COMMENT	
GMMH300C6B2S10	GATIC® EZIpit®1000 MH 'Top Hat' ¹ Frame with concrete infill cover Class B	Ductile Iron to AS 1831 Grade 500/7	Class B sealed	AS 3996:2006 and WSA PS-290	Identified as an accessory items that are outside the scope of WSA 137. Reference to access covers and frames have been included in the Report as Iplex are supplying MS, MC and MH as a package. WSAA has confirmed that the Access covers and frames referenced in this report/certificate match model Nos listed on the Iplex's Product Certification Certificate that complies with WSA PS-290	
GMMH300C6D2S10	GATIC® EZIpit®1000 MH 'Top Hat' ¹ Frame with concrete infill cover Class D		Class D Sealed	AS 3996:2006 and WSA PS-290		
GMMH300S6B2S10	GATIC® EZIpit®1000 MH 'Top Hat' ¹ Frame with solid top cover Class B		Class B sealed	AS 3996:2006 and WSA PS-290		
GMMH300S6D2S10	GATIC® EZIpit®1000 MH 'Top Hat' ¹ Frame with solid top cover Class D		Class D Sealed	AS 3996:2006 and WSA PS-290		
GMMC300C3B2S6	GATIC® EZIpit® 600 Top Hat ¹ Frame with concrete infill cover. Class B. ¹		Ductile Iron to AS 1831 Grade 500/7	Class 'B' Sealed	AS 3996:2006 and WSA PS-290	
GMMC300S3B2S6	GATIC® Ezipit® 600 Top Hat ¹ Frame with solid top cover. Class B					
GMCL205S	GATIC® DN600 Circular Cover 'sewer' concrete infill cover and frame. Class B					
GMCL205SST	GATIC® DN600 Circular Cover 'sewer' solid top cover and frame. Class B					
GME300S6B2	GATIC® EZIpit®600 Conventional frame with solid top cover ¹ Class B			Class 'B' Sealed	AS 3996:2006 and WSA PS-290	
GMMC300C3D2S6	GATIC® Ezipit® 600 Top Hat ¹ Frame with concrete infill cover. Class D.			Class 'D' Sealed	AS 3996:2006 and WSA PS-290	
GMMC300S3D2S6	GATIC® Ezipit® 600 Top Hat ¹ Frame with solid top cover. Class D					
GMMS300C3B2S4	GATIC® Ezipit® 425 Top Hat ¹ Frame with concrete infill cover. Class B.			Class 'B' Sealed	AS 3996:2006 and WSA PS-290	
GMMS300S3B2S4	GATIC® Ezipit® 425 Top Hat ¹ Frame with solid top cover. Class B					
GME300S6D2	GATIC® EZIpit®600 Conventional frame with solid top cover ¹ Class D			Class 'D' Sealed	AS 3996:2006 and WSA PS-290	
GMMS300C3D2S4	GATIC® Ezipit® 425 Top Hat ¹ Frame with concrete infill cover. Class D.	Class 'D' Sealed		AS 3996:2006 and WSA PS-290		
GMMS300S3D2S4	GATIC® Ezipit® 425 Top Hat ¹ Frame with solid top cover. Class D					

NOTE 1 GATIC® EZIpit frames and covers are developed specifically for use with the Ezypit riser.

TABLE 11 EZIpit® CAP AND LIDS

Product Code	Description	Material	Coating
GME300S42C	DN425 EZIpit™ Cap and Lid	Ductile Iron to AS 1831 Grade 500/7	Hot dipped galvanised to AS/NZS 4680
GME300S6C	DN600 EZIpit® Cap and Lid		

TABLE 12 EZIpit® 600 MC and EZIpit® 425 MS Accessories

Product Code	Description	Material	COMMENT
POH04800T	DN800 x 300mm EZIpit® Shroud	Polyethylene	Identified as an accessory item that is outside the scope of WSA 137. Reference to shroud, access covers and frames, concrete support ring have been included in the Report as Iplex are supplying MS, MC and MH as a package.
POH04560T	DN560 x 300mm EZIpit® Shroud	Polyethylene	
GMTG300CR	GATIC® EZIpit® precast Concrete Support Ring	Concrete	
GME300VEGRINGMS	Precast GATIC® EZIpit® 425 Concrete Vegetation Ring for Top Hat cover. Class B only.	Concrete	
GME300VEGRINGMC	Precast GATIC® EZIpit® 600 Concrete Vegetation Ring for Top Hat cover. Class B only.	Concrete	
GME300SLV	DN300 EZIpit® Vacuum testing lid	Galvanised Mild Steel	
GME425SLV	DN425 EZIpit® Vacuum testing lid	Galvanised Mild Steel	Identified as an accessory item that is outside the scope of WSA 137.
GME600SLV	DN600 EZIpit® Vacuum testing lid	Galvanised Mild Steel	
GM37504	GATIC® Sealing Compound x 4kg		

TABLE 13 EZIpit® 1000 MH Accessories

Product Code	Description	Material	Mass (kg)
TNGPLUG45R200	EZIpit® 1000 MH PP Inlet Plug x 45° DN200 RHS	Polypropylene	5
TNGPLUG45L200	EZIpit® 1000 MH PP Inlet Plug x 45° DN200 LHS	Polypropylene	5
TNGPLUG90R200	EZIpit® 1000 MH PP Inlet Plug x 90° DN200 RHS	Polypropylene	5
TNGPLUG90L200	EZIpit® 1000 MH PP Inlet Plug x 90° DN200 LHS	Polypropylene	5
TNGPLUG45R300	EZIpit® 1000 MH PP Inlet Plug x 45° DN300 RHS	Polypropylene	7
TNGPLUG45L300	EZIpit® 1000 MH PP Inlet Plug x 45° DN300 LHS	Polypropylene	7
TNGPLUG90R300	EZIpit® 1000 MH PP Inlet Plug x 90° DN300 RHS	Polypropylene	7
TNGPLUG90L300	EZIpit® 1000 MH PP Inlet Plug x 90° DN300 LHS	Polypropylene	7



TNGPLUG150	DN150 EZIpit® Plug (External)	PVC	0.3
TNGPLUG225	DN225 EZIpit® Plug (External)	PVC	1.15
TNGPLUG300	DN300 EZIpit® Plug (External)	PVC	2

NOTE: For bases with DN150 sockets the channels are DN200mm. For bases with DN225 or DN300 sockets the channels are DN300mm. Hence the bases with DN225 sockets for 30° and 60° profiles the channels are actually 300mm wide.