

WSAA PRODUCT APPRAISAL CERTIFICATE

Daemco Australia Pty Ltd

Xcel Restrained Joint Couplings and Flange Adapters for PE Pipe

Xcel restrained joint couplings and flange adapters for PE pipe have been appraised for compliance with the requirements of EN 12842:2012 and WSAA Product Specification WSA PS 245.

The scope of this appraisal applies to Excel restrained joint couplings from DN 63 to DN 315 and flange adapters from DN 63 to DN 315. A complete listing of Quality and Product Certification Certificates and details of products are included in the attached Schedules A and B.

Product Category	Ductile iron restrained joint couplings and flange adapters for use with PE pipe.
PA Number:	PA 1624 Issue 3
Supplier	Daemco Australia Pty Ltd
Brand	XCEL
Standards	EN 12842:2012 Ductile iron fittings for PVC-U or PE piping systems
WSAA Product Specification	WSA PS 245 – Ductile iron fittings with restrained flexible joints for polyethylene pipe
Other Specifications	
Issue date	Monday, 17 September 2018
Expiry date	Sunday, 15 May 2022
Recommendations	It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise Daemco Xcel Restrained Joint Couplings and Flange Adapters for PE pipe as detailed in Schedule B of this certificate, for use in waterworks applications, provided they are installed in accordance with WSAA Codes and the 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.

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.

From time to time WSAA and the other Publishers may receive notice of allegations that the importation, manufacture, sale or use of the Product infringes intellectual property rights or other proprietary rights. WSAA's policy is to not refer to such allegations in its Certificate or take any other steps to put Recipients on notice of such allegations. If, however, WSAA becomes aware that the allegations have been admitted or proved in Court, then WSAA may, at its discretion, take such steps as it considers appropriate. As such, Recipients acknowledge, agree and accept that WSAA may have information in its possession about intellectual property rights infringement allegations or other infringement allegations in relation to the Product which are not referred to or disclosed in this Certificate and which are not otherwise communicated to Recipients.

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 - QUALITY AND PRODUCT CERTIFICATIONS

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

SCHEDULE A1 DALIAN RELIABLE INDUSTRIAL CO LTD - MANAGEMENT SYSTEMS

Youhao Mansion No. 158 Youhao Road, Dalian City, Liaoning Province. 116001. PR China	
Quality Systems Standard	ISO 9001:2008
Certification Licence No.	01 100 039053
Certifying agency	TUV Rheinland Cert GmbH
First date of certification	2005
Current date of certification	17 January 2014
Expiry date of certification	14 September 2018

SCHEDULE A2 DAEMCO AUSTRALIA PTY LTD- MANAGEMENT SYSTEMS

215 Bell Street Preston, Melbourne, Victoria, Australia. 3072	
Product Standard/Spec	ISO 9001:2008
Certificate No.	1600
Certifying Agency	Best Practice Certifications
First date of certification	8 August 2016
Current date of certification	8 August 2016
Expiry date of certification	14 September 2018

SCHEDULE A3 DAEMCO AUSTRALIA PTY LTD- PRODUCT CERTIFICATION

215 Bell Street Preston, Melbourne, Victoria, Australia. 3072	
Product Standard/Spec	EN 12842:2012
Certificate No.	OMK30063
Certifying Agency	IAPMO R&T OCEANA
First date of certification	14 March 2017
Current date of certification	14 March 2017
Expiry date of certification	13 March 2022

XCEL RESTRAINED JOINT COUPLINGS FOR PE PIPE



Part Number	Nominal Size DN/OD	Barrel Length mm	Min Depth of Engagement	No of M12 Fasteners on Gland
XCELRC063	63	125	53	2
XCELRC075	75	126	53	4
XCELRC090	90	128	54	4
XCELRC110	110	130	55	4
XCELRC125	125	134	57	4
XCELRC140	140	145	63	4
XCELRC160	160	170	75	4
XCELRC180	180	185	83	4
XCELRC200	200	210	95	4
XCELRC225	225	215	98	4
XCELRC250	250	240	110	6
XCELRC280	280	250	115	6
XCELRC315	315	300	140	6

XCEL RESTRAINED JOINT FLANGE ADAPTER FOR PE PIPE



Part Number	Nominal Size DN/OD	Flange DN	Barrel Length mm	Min Depth of Engagement	No of M12 Fasteners on Gland
XCELR063	63	50	73	69	2
XCELR075	75	65	74	70	4
XCELR090	90	80	75	70	4
XCELR110	110	100	76	75	4
XCELR125	125	100	76	75	4
XCELR160	160	150	96	87	4
XCELR180	180	150	96	83	4
XCELR200	200	200	112	99	4
XCELR225	225	200	113	99	4
XCELR225E	225	225	113	99	4
XCELR250	250	250	128	116	6
XCELR280	280	250	136	123	6
XCELR315	315	300	158	146	6