



# WSAA PRODUCT APPRAISAL CERTIFICATE

## Deks Industries Pty Ltd Metal Banded Flexible Couplings

This appraisal is for a range of Deks Type B metal-banded flexible couplings with metal shear rings in sizes DN 100 to DN 225.

This Issue 2 is to replace the previous version which had reached its expiry date.

Deks metal-banded flexible couplings are designed for joining or repairing low-pressure sewerage or drainage pipes of various materials with the same or similar nominal internal diameters.

Where the difference in outside diameters of the pipes to be joined is greater than 16 mm an appropriate adapter bush is utilised to facilitate leak proof jointing.

Deks metal-banded couplings are supplied with Grade 316 stainless steel metal bands, shear rings and fasteners. The sleeve and adapter bushes are manufactured from EPDM rubber.

<b>Product Category</b>	Couplings
<b>PA Number</b>	1602 Issue 2
<b>Supplier</b>	Deks Industries Pty Ltd
<b>Brand</b>	Deks
<b>Standard</b>	AS/NZS 4327:1995 <i>Metal-banded flexible couplings for low pressure applications.</i>
<b>WSAA Product Specification</b>	WSA PS 235
<b>Issue date</b>	3 September 2021
<b>Expiry date</b>	2 September 2026
<b>Recommendations</b>	It is recommended that WSAA members, subject to any specific requirements of the member, accept or authorise the Deks metal-banded flexible couplings, as detailed in this report, for low pressure sewerage applications.
<b>Disclaimer</b>	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](mailto: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.

## QUALITY CERTIFICATIONS

A copy of the following Quality Certificates is available from WSAA.

**TABLE A1 DEKS INDUSTRIES PTY LTD – MANAGEMENT SYSTEMS**

5/841 Mountain Highway Bayswater Victoria	
Quality Systems Standard	ISO 9001:2015
Certification Licence No.	EKSQ01-CCCQ02
Certifying Agency	Equal Assurance Pty Ltd
First Date of Certification	20 April 2017
Current Date of Certification	10 August 2020
Expiry Date of Certification	4 October 2023

**TABLE A2 DEKS INDUSTRIES PTY LTD – PRODUCT CERTIFICATION**

5/841 Mountain Highway Bayswater Victoria	
Product Standard/Spec.	AS/NZS 4327:1995
Certificate No.	AMI 74594
Issuing Certification Body	ApprovalMark International
First Date of Certification	28 July 2021
Current Date of Certification	28 July 2021
Expiry Date of Certification	28 July 2024



PRODUCT LITERATURE

The graphic features a black background with a white and orange logo in the top left corner that reads "Shear Banded Couplings". The main title "DEKS™ SHEAR BANDED COUPLINGS" is displayed in large, bold, white letters. Below the title, two red banners with white text identify "Couplings" and "Rubber Bushes". The central image shows various DEKS products, including stainless steel couplings and black rubber bushes, some with labels like "DSC160-180". A circular gold seal on the right side states "ORIGINAL CREATORS OF THE DEKITE" and "EST 1947". At the bottom right, two circular icons provide technical details: one with a thermometer icon stating "WITHSTANDS HIGH TEMPERATURES OPERATING TEMPERATURE UP TO 115°C" and "EPDM withstands high temperatures up to 115°C / 239°F"; the other with a shield and flame icon stating "SUITABLE FOR HARSH ENVIRONMENTS" and "Manufactured from Corrosion Resistant Materials".



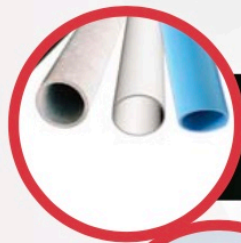
# DEKS™ SHEAR BANDED COUPLINGS

DEKS Industries was established in 1947. Each and every year its reputation for quality, service and innovation grows.

Headquartered in Melbourne Australia with offices in the United Kingdom and the United States of America.

DEKS Industries lives by the mantra "Innovative, Better, Faster" applying these principles to everything we do. When you purchase a DEKS product you can be assured you're buying the best there is.

## **Key features:**



***Fits multiple pipe materials.***



***Durable.***



***Suitable for harsh environments.***



***Water authority approved.***



## Applications

### *Shear Banded Couplings*

#### Why use a Shear Banded Coupling?

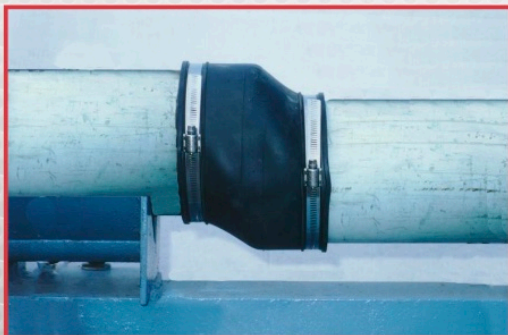
The stainless-steel shear band ensures the integrity of the joint and keeps pipes aligned under load. When repairing or joining pipes in unstable ground conditions, Deks Shear Banded Couplings will give the stability and resistance to shear forces imposed by ground movement or heavy above ground loads.

#### Causes of misalignment

- Improper back fill or trench beddings.
- Expansion/contraction of soil caused by temperature changes, earthquakes or settling soils.
- Vibration in and around transport areas such as highways, train tracks or airports.

#### Misalignment results in:

- A stepped profile in the sewer line can create flow obstruction or blockages.
- Pipes pulling apart, causing leakage in the joint.
- Root infestation.





# The Range

## Shear Banded Couplings

### Couplings



Black

#### Pressure Rated 16 bar

Pipe OD Range mm	Coupling Length mm	Part number
100-115	121	DSC100-115
110-125	121	DSC110-125
120-137	121	DSC120-137
125-150	137	DSC125-150
160-180	137	DSC160-180
175-200	150	DSC175-200
225-250	150	DSC225-250
250-275	150	DSC250-275
265-290	150	DSC265-290

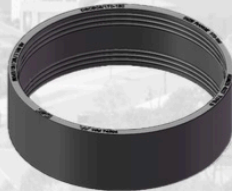


### Example of Bush Connection





### Rubber Bushes



Black

#### Bush Thickness: 8mm

Pipe OD Range mm	Bush OD mm	Bush Length mm	Part number
105-115	131	55	DSCB08/105-115
115-125	143	60	DSCB08/115-125
150-160	178	60	DSCB08/150-160
156-166	182	60	DSCB08/156-166
160-170	185	60	DSCB08/160-170
170-180	196	60	DSCB08/170-180
240-250	268	60	DSCB08/240-250
255-265	282	60	DSCB08/255-265

#### Bush Thickness: 15mm

Pipe OD Range mm	Bush OD mm	Bush Length mm	Part number
105-115	145	60	DSCB15/105-115

#### Bush Thickness: 16mm

Pipe OD Range mm	Bush OD mm	Bush Length mm	Part number
154-164	197	60	DSCB16/154-164
240-250	284	60	DSCB16/240-250



### Related Solutions



#### Rubber Joiners

Rubber joiners for low pressure applications.



#### Gibaults

316 Stainless steel repair couplings for joining or repairing pressure pipes.



Visit our website to watch our product videos.

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

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







## SUPPLIER CONTACTS

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