



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 02ATEX9381** Issue: **4**

4 Equipment: **A Range of Equi-Potential Bonding Clamps
(as defined in the Certificate Schedule)**

5 Applicant: **Newson Gale Limited**

6 Address: **Omega House
Private Road 8
Colwick
Nottingham NG4 2JX, UK**

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:


EN 13463-1:2009


The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.


10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:

Either:  II 1 GD T6
Ta = -20°C to +40°C

Or:  IIB 1 GD T6
Ta = -20°C to +40°C

Or:  II 1 GD T6
Ta = -40°C to +60°C

(See Certificate Schedule for markings that apply to specific Clamp Types)

Project Number 70008628

C Ellaby
Deputy Certification Manager

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Sira Certification Service
Unit 6, Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom



SCHEDULE

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13 DESCRIPTION OF EQUIPMENT

All of the devices are spring-actuated, equi-potential bonding clamps that are intended to prevent the build up of unwanted static electricity on conductive surfaces; they are constructed as detailed below:

Description	Type	Construction	Marking
Stainless Steel Heavy Duty Grounding Clamp	VESX90	Stainless steel clamp bodies with brass contact holder and contacts. Contact pressure is maintained by a stainless steel spring. *	⊕ II 1 GD T6 Ta = -20°C to +40°C
		Stainless steel clamp body with tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.	⊕ II 1 GD T6 Ta = -40°C to +60°C
	VESX90-IP	Stainless clamp body with tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.	⊕ II 1 GD T6 Ta = -40°C to +60°C
	VESX90S	Stainless clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	⊕ II 1 GD T6 Ta = -40°C to +60°C
	IPX90RT	Stainless clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	⊕ II 1 GD T6 Ta = -40°C to +60°C
Reb Grounding Clamp	VESX41	Hard anodised aluminium clamp bodies with stainless steel contacts. Contact pressure is maintained by a zinc passivated steel spring.	⊕ II 1 GD T6 Ta = -20°C to +40°C
Tanker Grounding Clamp	VESX09	Stainless steel clamp bodies with brass bushes and tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.	⊕ II 1 GD T6 Ta = -20°C to +40°C
Raco Clamp	VESX05/M	Brass clamp bodies with plastic handles and brass contacts. Contact pressure is maintained by a zinc plated steel spring.	⊕ IIB 1 GD T6 Ta = -20°C to +40°C
PIRANHA Clamp	VESX225	Mild steel clamp bodies with stainless steel contacts. Contact pressure is maintained by a stainless steel spring. *	⊕ II 1 GD T6 Ta = -20°C to +40°C
		Stainless steel clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	⊕ II 1 GD T6 Ta = -40°C to +60°C
Cling-on Clamp	VESX04	Mild steel clamp bodies with brass contact holders and tungsten carbide contacts with a brass "V" section. Contact pressure is maintained by a galvanised zinc plated steel spring.	⊕ II 1 GD T6 Ta = -20°C to +40°C
Earthling Clamp	VESX02/05	Mild steel clamp bodies with brass contact holders and stainless steel contacts with a brass "U" section. Contact pressure is maintained by a stainless steel spring or a zinc plated steel spring.	⊕ II 1 GD T6 Ta = -20°C to +40°C
Stainless Steel Earthing Clamp	VESX45	Stainless steel clamp bodies with stainless steel contact holders and tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring. *	⊕ II 1 GD T6 Ta = -20°C to +40°C
		Stainless steel clamp body with tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.	⊕ II 1 GD T6 Ta = -40°C to +60°C
	VESX45-IP	Stainless clamp body with tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.	⊕ II 1 GD T6 Ta = -40°C to +60°C
	VESX45F	Stainless clamp body with stainless steel contact. Contact pressure is maintained by a stainless steel spring.	⊕ II 1 GD T6 Ta = -40°C to +60°C
	VESX45FE	Stainless clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring	⊕ II 1 GD T6 Ta = -40°C to +60°C
	IPX45RT	Stainless clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	⊕ II 1 GD T6 Ta = -40°C to +60°C

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Description	Type	Construction	Marking
	VESX45S	Stainless clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	II 1 GD T6 Ta = -40°C to +60°C

* These versions were replaced by those rated for use with Ta = -40°C to +60°C

Variation 1 - This variation introduced the following change:

- i. The addition of The Stainless Steel Earthling Clamp, VESX45, to the range.

Variation 2 - This variation introduced the following change:

- i. The change of the Applicant's address from Unit 6 Churchill Park Colwick Nottingham NG4 2HF to that at the address in section 6.

Variation 3 - This variation introduced the following change:

- i. The addition of The PIRANHA Clamp, VESX225, to the range.

Variation 4 - This variation introduced the following change:

- i. Following appropriate assessment, EN 13463-1:2001 was replaced by EN 13463-1:2009.
- ii. The product description was modified to recognise that:
 - The materials of construction of the VESX45, VESX90 and VESX225 Clamps, including the insulated parts, were changed to allow the ambient temperature range to be increased to -40°C to +60°C.
 - The following Clamps were introduced to the range:
The Stainless Steel Earthling Clamps, VESX45-IP, VESX45F, VESX45FE, IPX45RT and VESX45S
The Stainless Steel Heavy Duty Grounding Clamps, VESX90-IP, IPX90RT and VESX90S

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	12 February 2003	R52A8999A	The release of the prime certificate.
1	8 October 2007	R51A17271A	This Issue covers the following changes: <ul style="list-style-type: none"> • All previously issued certification was rationalised into a single certificate, Issue 1, Issue 0 referenced above is only intended to reflect the history of the previous certification and has not been issued as a document in this format. • The introduction of Variation 1.
2	22 January 2009	R52L18953A	The introduction of Variation 2.
3	01 July 2013	R29874A/00	The introduction of Variation 3.
4	17 September 2015	R70008628A	The introduction of Variation 4.

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- 15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)
None
- 16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)**
The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.
- 17 **CONDITIONS OF CERTIFICATION**
- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

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Certificate Annexe



Certificate Number: Sira 02ATEX9381

Equipment: A Range of Equi-Potential Bonding Clamps as defined in the Certificate Schedule

Applicant: Newson Gale Limited

Issue 0

Number	Sheet	Rev.	Date	Description
AC-001	1 of 1	3	24 Jan 03	Stainless Steel Heavy Duty Clamp
AC-002	1 of 1	3	24 Jan 03	REB Clamp
AC-003	1 of 1	3	24 Jan 03	Tanker Clamp
AC-004	1 of 1	3	24 Jan 03	RACO Clamp
AC-005	1 of 1	3	24 Jan 03	Clingon Clamp
AC-006	1 of 1	3	24 Jan 03	Earthling Clamp

Issue 1

Number	Sheet	Rev.	Date (Sira stamp)	Description
NG-VESX45-ATEX	1 of 1	1	24 Sep 07	Clamp Assembly

Issue 2 No new drawings were introduced

Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
VESX225 ATEX Rev 1.vsd	1 of 1	1	26 Jun 13	General Assembly
VESX225 ATEX Lab Rev 1.vsd	1 of 1	1	26 Jun 13	Label Marking

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
X CAT1 X45 Series ATEX GA Rev 0.vsd	1 of 1	0	01 Sep 15	X45 Series general arrangement
X CAT1 X45 Series ATEX Lab Rev 0.vsd	1 of 1	0	01 Sep 15	X45 Series label
X CAT1 X90 Series Clamp ATEX GA Rev 0.vsd	1 of 1	0	01 Sep 15	X90 Series general arrangement
X CAT1 X90 Series Clamp ATEX Lab Rev 0.vsd	1 of 1	0	01 Sep 15	X90 Series label
X CAT1 VESX225 ATEX GA Rev 0.vsd	1 of 1	0	01 Sep 15	VESX225 Piranha general arrangement
X CAT1 VESX225 ATEX Lab Rev 0.vsd	1 of 1	0	01 Sep 15	VESX225 Piranha label

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