1 **UNITED KINGDOM CONFORMITY ASSESSMENT**

UK TYPE EXAMINATION CERTIFICATE

2 **Product Intended for use in Potentially Explosive Atmospheres**
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1

3 Type Examination Certificate Number: **ExVeritas 21UKEX0842** Issue: **0**

4 Product: A Range of Equi-Potential Bonding Clamps (as defined in the certificate schedule)

5 Manufacturer: Newson Gale Limited

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

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

8 ExVeritas Limited Approved Body number 2585, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with:

EN ISO 80079-36: 2016

Except in respect of those requirements listed at section 16 of the schedule to this certificate.

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 TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the equipment shall include the following:

II 1 G
II 1 D

Ex h IIC T6 Ga
Ex h IIIC T85°C Da or:
Ex h IIB T6 Ga
Ex h IIIC T85°C Da or:
Ex h IIC T6 Ga
Ex h IIIC T85°C Da
Ta = -40°C to +60°C.
(See Certificate Annex for markings that apply to specific Clamp Types)

UKAS PRODUCT CERTIFICATION
No. 8613

On behalf of ExVeritas

S Clarke CEng MSc FIET
Managing Director

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13 Description of Product

The devices below 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 in the table 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.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
		Stainless steel clamp body with tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
	VESX90-IP	Stainless clamp body with tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
	VESX90S	Stainless clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
	IPX90RT	Stainless clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da 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.	Ex h IIC T6 Ga Ex h IIIC T85°C Da
Tanker Grounding Clamp	VESC09	Stainless steel clamp bodies with brass bushes and tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da
Raco Clamp	VESX05/M	Brass clamp bodies with plastic handles and brass contacts. Contact pressure is maintained by a zinc plated steel spring.	Ex h IIB T6 Ga Ex h IIIC T85°C Da
PIRANHA Clamp	VESX225	Mild steel clamp bodies with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
		Stainless steel clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da 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.	Ex h IIC T6 Ga Ex h IIIC T85°C Da
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.	Ex h IIC T6 Ga Ex h IIIC T85°C Da
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.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
		Stainless steel clamp body with tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
	VESX45-IP	Stainless clamp body with tungsten carbide contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C

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	VESX45F	Stainless clamp body with stainless steel contact. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
	VESX45FE	Stainless clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
	IPX45RT	Stainless clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
	VESX45S	Stainless clamp body with stainless steel contacts. Contact pressure is maintained by a stainless steel spring.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C

The devices below are a magnetic grounding clamp and a surface mount connector (SMC) grounding device, constructed as described below:

Description	Type	Construction	Marking
Magnetic Clamp	VESX50-IP	Stainless steel body with stainless steel springs and tungsten carbide tips. Clamp pressure is maintained by strong magnets.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C
Surface Mount Connector	SMC	Stainless steel body with stainless steel spring and tungsten carbide tip. Connector pressure is maintained by fixings onto the surface.	Ex h IIC T6 Ga Ex h IIIC T85°C Da Ta = -40°C to +60°C

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R33140/B/1	2022-04-29	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Drawing No.:	Rev.	Title:	Date:
AC-002 UKCA	5	REB Clamp	13/10/2021
AC-003 UKCA	5	Tanker Clamp	13/10/2021
AC-004 UKCA	5	RACO Clamp	13/10/2021
AC-005 UKCA	5	Clingon Clamp	13/10/2021
AC-006 UKCA	5	Earthling Clamp	13/10/2021
X CAT1 X45 Series GA	0	X45 Series general arrangement	21 Jul 15
X CAT1 X45 UKCA	AB	UKCA CERTIFICATION MARKING DETAIL VESX45 SERIES	14 Oct 21
X CAT1 X90 Series Clamp GA	0	X90 Series general arrangement	21 Jul 15
X CAT1 X90 UKCA	AB	UKCA CERTIFICATION MARKING DETAIL VESX90 SERIES	14 Oct 21
X CAT1 VESX225 GA	0	VESX225 Piranha general arrangement	21 Jul 15
X CAT1 X225 UKCA	AB	UKCA CERTIFICATION MARKING DETAIL VESX225	14 Oct 21
VESX50-IP GA	AA	VESX50-IP Magnetic Clamp General Arrangement	11 Feb 21
X CAT1 X50 UKCA	AB	UKCA CERTIFICATION MARKING DETAIL VESX50 SERIES	21 Oct 21
SMC GA	AA	SMC 2POLE SS Surface Mount Q.Connector General Arrangement	26 Feb 21
X CAT1 SMC UKCA	AB	UKCA CERTIFICATION MARKING DETAIL SMC SERIES	21 Oct 21

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15 Specific Conditions of Use

15.1 Special Conditions for Safe Use

- None

15.2 Routine tests

- None

16 Essential Health and Safety Requirements (Regulations Schedule 1)

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform ExVeritas of any modifications to the design of the product described by this schedule.