



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX EXV 20.0033** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-04-01

Applicant: **Newson Gale**
Omega House
Private Road 8
Colwick
Nottingham, NG4 2JX
United Kingdom

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

Optional accessory:

Type of Protection: **Ex h - Non-Electrical Equipment**

Marking: 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)

Approved for issue on behalf of the IECEx
Certification Body:

Sean Clarke CEng MSc FIET

Position:

Certification Manager

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

ExVeritas Limited
Units 16-18 Abenbury Way
Wrexham Ind. Est.
Wrexham LL 139UZ
United Kingdom





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Date of issue: 2021-04-01

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Manufacturer: **Newson Gale**
Omega House
Private Road 8
Colwick
Nottingham, NG4 2JX
United Kingdom

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

ISO 80079-36:2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition:1.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/EXV/ExTR21.0018/00](#)

Quality Assessment Report:

[GB/EXV/QAR19.0009/00](#)



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Date of issue: 2021-04-01

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The devices are spring-actuated equi-potential bonding clamps, a magnetic grounding clamp and a surface mount connector (SMC) grounding device that are intended to prevent the build up of unwanted static electricity on conductive surfaces. They are constructed as detailed in the tables in the Annex.

SPECIFIC CONDITIONS OF USE: NO

Annex:

[EXV 20.0033 FINAL Annex 0.pdf](#)

Description of Equipment

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
Earthing 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
	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
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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

Manufacturer's documents:			
Drawing No.:	Rev.	Title:	Date:
AC-001	4	Stainless Steel Heavy Duty Clamp	08 Jan 21
AC-002	4	REB Clamp	08 Jan 21
AC-003	4	Tanker Clamp	08 Jan 21
AC-004	4	RACO Clamp	08 Jan 21
AC-005	4	Clingon Clamp	08 Jan 21
AC-006	4	Earthing Clamp	08 Jan 21
X CAT1 X45 Series GA	0	X45 Series general arrangement	21 Jul 15
X CAT1 X45 Series Lab	1	X45 Series label	12 Jan 21
X CAT1 X90 Series Clamp GA	0	X90 Series general arrangement	21 Jul 15
X CAT1 X90 Series Clamp Lab	1	X90 Series label	13 Jan 21
X CAT1 VESX225 GA	0	VESX225 Piranha general arrangement	21 Jul 15
X CAT1 VESX225 Lab	1	VESX225 Piranha label	12 Jan 21
VESX50-IP GA	AA	VWSX50-IP Magnetic Clamp General Arrangement	11 Feb 21
X CAT1 X50 Series Lab	AA	Cat 1 Magnetic Clamp Marking	22 Jan 21
SMC GA	AA	SMC 2POLE SS Surface Mount Q.Connector General Arrangement	26 Feb 21
X Cat1 SMC Series Lab	AA	Cat 1 SMC Surface Mount Connector Marking	22 Jan 21