



ABOUT ATEX CERTIFIED TOOLS





INTRODUCTION

Trelawny's ATEX certified tool range consists of specially developed versions of our VL Needle & Chisel scalers, SF range of Hand Held Scaling Hammers and Walk Behind Deck Hammer.

All equipment has been independently tested and certified for use in Gas Zone 1 and Dust Zone 21 as categorised by the ATEX directive 2014/34/ EU – Annex VIII for products intended for use in potentially explosive environments.

Trelawny Surface Preparation Equipment is designed to tackle the toughest surface preparation tasks in the harshest of environments. Safety is at our core, offering the lowest vibration, dust control and drop protection across our product range.

WHAT IS ATEX?

ATEX (ATmospheres EXplosibles) is a directive outlining a number of technical and quality objectives that must be complied with to the satisfaction of a third party certification association.

A potentially explosive atmosphere exists when a mixture of air gases, vapours, mists or dusts combine in a way that can ignite under certain operating conditions.

Equipment and protective systems intended for use in potentially explosive atmospheres (ATEX) cover a range of products, including those used on fixed offshore platforms, petrochemical plants, mines and flour mills amongst others.

The ATEX Directive 2014/34/EU covers equipment and protective systems intended for use in potentially explosive atmospheres. The directive defines the essential health and safety requirements and conformity assessment procedures, to be applied before products are placed on the EU market.

Directive 99/92/EC (also known as 'ATEX 137' or the 'ATEX Workplace Directive') refers to the minimum requirements for improving the health and safety protection of workers potentially at risk from explosive atmospheres.

OUR CERTIFICATION

In order to gain ATEX certifications for our products, Trelawny Ex tools have been independently tested by Element Materials Technology. Element is a European Notified Body (NB) for ATEX EU Type Certification. Trelawny's Ex Range is certified with the following codes for Gas Zone 1 and Dust Zone 21.

1	ΤΥΡΕ ΕΧΑΜΙ	INATION CEF	RTIFICATE	
2	Product or Protectiv Directive 2014/34/EU		or use in Potentially Explosive Atmos	spheres
3	Type Examination Certificate No.:	EMT19ATEX00	20X	
4	Product:	Scaling Hamm	ers, models SF1 & SF3	
5	Manufacturer:	Trelawny SPT	Limited	
6	Address:	Trelawny Hous United Kingdo	se 13, Highdown Road, Leamington S m	вра, СV31 1ХТ,
7	This product and an documents therein ref		n thereto is specified in the schedule	to this certificate and the
8	and Safety Requirem explosive atmosphere Council, dated 26 Feb	ents relating to the de es given in Annex II to pruary 2014.	this product has been found to comply sign and construction of products inte the Directive 2014/34/EU of the Europ ed in the confidential report TRA-04533	nded for use in potentially ean Parliament and of the
9			afety Requirements has been assured	
	EN IEC 60079-			79-37:2016
			ed at section 18 of the schedule.	
10		d after the certificate n schedule to this certif	umber, it indicates that the product is su ficate.	bject to specific conditions
11		of the Directive apply t	elates only to the design and construction to the manufacturing process and supply	
12	The marking of this pr		e following:	
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	Ex II 2 D Ex h IIIC 1	T135 °C Db		
			pe reproduced in its entirety and withou erials Technology Ex Certification Scher	
	P. D. M			
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	Issue date: 2020-0	0	Page 1 of 5	CSF356 7.0
	issue date: 2020-0	1-17	Page 1 of 5	CSF3567.0

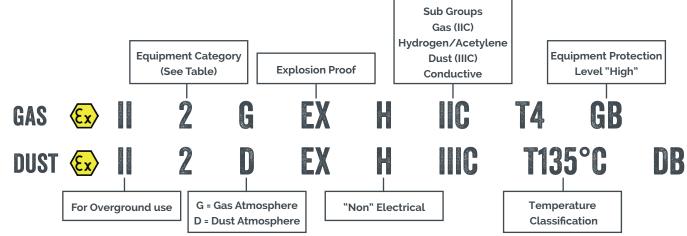
Example certificate for Trelawny SFEx ATEX certified scaling hammers

With ATEX certification the Ex product line provides the safest option for surface preparation and cleaning applications in areas such as;

- Offshore platforms
- Tanker vessels
- Petrochemical plants
- Production facilities

ATEX CERTIFIED TOOLS

UNDERSTANDING THE TRELAWNY ATEX CODE



Additional notes: Sub Groups Refers to ignition energy, IIC/IIIC being the most dangerous requiring the minimum amount of energy to ignite. Temperature Classification Refers to the maximum surface temperature of the equipment T4 (135°C)

Equipment Category	Definition	Zone			
Equipment Category	Demilion	Gas	Dust		
1	An area where an explosive atmosphere is present continuously or for long periods (over 1000 hours per year or > 10% of the time)	Zone 0	Zone 20		
2	An area where an explosive atmosphere is likely to occur in normal operation (10 -1000 hours per year or 0.1 to 10% of the time)	Zone 1	Zone 21		
3	An area where an explosive atmosphere is not likely to occur in normal operation	Zone 2	Zone 22		

PERFORMANCE AND SAFETY BUILT IN AS STANDARD



DROP PROTECTION

Trelawny's Fall Arrestors and lanyards allow tools to be safely tethered offering a safe solution for working at height in environments such as offshore platforms, ships and bridges.



ATEX APPROVED

ATEX (ATmospheres EXplosibles) certified tools for use in potentially explosive atmospheres.



LOW VIBRATION

Under our Vibro-Lo[™] banner Trelawny have developed vibration reduction systems to prevent vibration related injuries.



DUST FREE

Under the TVS (Tool and Vacuum System) banner a full range of shrouded tools and industrial dust collectors protect operators from harmful dust.







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ATEX CERTIFIED LOW VIBRATION NEEDLE AND CHISEL SCALERS

www.trelawny.co.uk

VL-EX NEEDLE & CHISEL SCALERS



THE VL-EX SERIES IS BASED ON TRELAWNY'S VL RANGE OF LOW VIBRATION SCALERS

Certified for use in Gas Zone 1 and Dust Zone 21, VL-Ex Needle and Chisel Scalers provide the safest option for surface preparation work without the need for additional hot work permits or costly containment measures.

Additionally, unique vibration reduction technology reduces vibration levels by more than 8 times when compared to conventional needle scalers.

Optional dust containment and drop protection provide operators with the safest option for working in hazardous environments where explosion, hazardous materials and access risks are all a serious consideration.

ATEX Certification for VL Tools



*Certified for use in Category 2 (Dust Zone 21 / Gas Zone 1)

Dust control





Low Vibration

FEATURES

- Pistol grip and in-line configurations suit all applications
- ATEX certified for use without hot work permits
- Ultra low vibration (<2.8 m/s2) protects operators
- Needle and chisel models for effective cleaning and heavy chipping
- Low air consumption keeps operating requirements low
- Simple maintenance with no special tools required keeps downtime low
- TVS kits available with dust control and drop protection for added safety

APPLICATIONS

- Removal of coatings, corrosion and other accumulated materials
- Coating spot repairs
- Weld cleaning
- Machinery and equipment cleaning in plants and factories
- For Gas Ex Zone Applications on rigs, petrochemical plants, pipelines, vessels and shipyards
- For Dust Ex Zones Applications such as cleaning machinery in processing industries where dust and powders are present.



WELD CLEANING



PAINT REMOVAL



CORROSION REMOVAL





Image	Trelawny Part No:	IMPA Part No:	ISSA Part No:	Description
	418.2003 418.3003	59.25.06 59.25.07	55.091.66 N/A	TVS Vacuum Shroud to fit VL203Ex/VL223Ex Needle Scalers TVS Vacuum Shroud to fit VL303Ex Needle Scaler
	704.3110	59.19.03	55.092.23	Spark Resistant Aluminium Bronze 2" Chisel for use in Hazardous Areas
	446.2003x	N/A	N/A	VL203Ex/VL223Ex Needle Scaler Service Kit
	446.3003x	N/A	N/A	VL303Ex Needle Scaler Service Kit
	446.2203x	N/A	N/A	VL203Ex/VL223Ex Chisel Scaler Service Kit
	446.3303x	N/A	N/A	VL303Ex Chisel Scaler Service Kit
	403.1319	N/A	55.091.12	Beryllium Copper Needles 3mm Chisel Tip - Box of 19
	403.1328	N/A	55.091.24	Beryllium Copper Needles 3mm Chisel Tip - Box of 28
	453.1310	N/A	N/A	Beryllium Copper Needles 3mm Chisel Tip - Box of 100
	443.1307	N/A	N/A	Beryllium Copper Needles 3mm Chisel Tip - Box of 500
000	601.2030	N/A	N/A	VL203Ex/VL223Ex Needle Holder (19 x 3mm)
80000 80000	601.3030	N/A	N/A	VL303Ex Needle Holder (28 x 3mm)
	712.2003	N/A	N/A	VL203Ex/VL223Ex Front Spring
	712.3003	NZA	N/A	VL303Ex Front Spring
	421.3530X	NZA	N/A	Anti-Static Air Hose 10 Meters.

TECHNICAL DATA

Model	Trelawny Part No.	Туре	Needle/Chisel supplied	Weight (kg)	Blows per min (BPM)	Air Consumption (lps - cfm)	Air Inlet Size (BSP)	Noise Level (LwA db(A))	Vibration Level (Aeq m/s²)
VL223Ex Needle	196.2107	In-line	50mm	2.35	2400	1.89 - 4	1⁄4	90.7	2.56 6
VL223Ex Chisel	196.2117	In-line	50mm	2.95	2400	1.89 - 4	1⁄4	76.3	3.69 🙆
VL203Ex Needle	196.2207	Pistol Grip	50mm	2.7	2400	1.89 - 4	1⁄4	90.7	2.75 🙆
VL203Ex Chisel	196.2217	Pistol Grip	50mm	3.2	2400	1.89 - 4	1⁄4	76.3	3.33 🙆
VL303Ex Needle	196.3007	Pistol Grip	50mm	3.51	3000	2.6 - 5.5	1⁄4	109.5	2.3
VL303Ex Chisel	196.3017	Pistol Grip	50mm	4.25	3000	2.6 - 5.5	1⁄4	78.2	3.7 🙆

VL-EX NEEDLE & CHISEL SCALERS

ATEX KITS

Trelawny's VL-Ex series are supplied as standard in a heavy duty plastic case. The kit consists of:

- Option of VL-EX 203/223/303 Low Vibration ATEX Needle Scaler
- Spare set of Beryllium Copper Needles
- TVS Vacuum Shroud
- Fall Arrestor
- Corner Cuff
- Edge Cuff
- Flat Cuff
- Operator Guide



Image	Trelawny Part No.	Description
	139.2403	VL203Ex Needle TVS ATEX Kit
	139.2423	VL223Ex Needle TVS ATEX Kit
	139.2433	VL303Ex Needle TVS ATEX Kit

ATEX LOW VIBRATION AND DUST FREE SCALING SYSTEM







ATEX CERTIFIED HANDHELD AND WALK-BEHIND SCALING HAMMERS

Ex

+112 Mar

www.trelawny.co.uk

SF-EX SINGLE AND TRIPLE HEAD SCALING HAMMERS



SINGLE AND TRIPLE HEAD VLSF1-EX / SF3-EX

TRELAWNY'S SF-EX RANGE OF SCALING HAMMERS ARE HIGHLY EFFECTIVE FOR QUICK REMOVAL OF HEAVY SCALE AND COATINGS IN EX ZONES SUCH AS LNG VESSELS AND RIGS.

The single head model is suitable for smaller and hard to reach areas. Being lightweight and easy to handle they are perfect for reaching behind structures and up against bulkheads.

The additional Vibro-Lo dampening system adds additional safety protecting the operator from harmful vibration.

The triple head model give faster production for more open areas.

All models feature easily replaceable beryllium copper heads which fracture heavy rust and coatings.

ATEX Certification for VL Tools



*Certified for use in Category 2 (Dust Zone 21 / Gas Zone 1)





Low Vibration

FEATURES

- Single and triple head models suits wide range of applications
- ATEX certified for use without hot work permits
- Low vibration model (single) protects operators
- Quick fit beryllium copper heads fracture tough materials
- Flexible handle options allow in-line and short handle configurations
- Standardised components over all SF Ex models for cost effective maintenance
- Simple and robust design offers reduced and simple maintenance

APPLICATIONS

- Removal of thick coatings, rust and other accumulated materials
- Coating spot repairs
- Cleaning gas lines in preparation for inspection and repair.
- Machinery and equipment cleaning in plants and factoriesConcrete scabbling and preparation
- For Gas Ex Zone Applications on rigs, petrochemical plants, pipelines, vessels and shipyards
- For Dust Ex Zones Applications such as cleaning machinery in processing industries where dust and powders are present



CORROSION REMOVAL



STEEL STRUCTURES



COATING REMOVAL





Image	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Description
	606.5303	59.03.89	55.093.13	Cruciform taper fit cutter head Beryllium copper spark resistant - for fracturing and removal of coatings To fit 196.5110
	612.5301	N/A	N/A	Piston to fit cutter heads
	446.1520X 446.1530X	N/A N/A	N/A N/A	VLSF1-EX Service Kit VLSF1-EX Service Kit
	614.5301	N/A	N/A	Brush Seal
	421.3530	N/A	N/A	Anti- static Air hose 10 meters.

TECHNICAL DATA

Model	Part No.	Consumable (type of head)	Weight (kg)	Length (mm)	Working height (mm)	Blows per minute (BPM)	Air consumption (lps - cfm)	Noise level (db (A))	Vibration Level (Aeq m/s²)
VLSF1-EX Single Head	196.5110	Beryllium copper taper fit cutter	2.5	515	140	3000	4.25-9	92.5	3.7
SF3-EX Triple Head	153.5310	Beryllium copper taper fit cutter	3.7	450	152.5	3000 x 3	5.2 - 11	92.7	13.4

SF11-EX DECK HAMMER







Low Vibration

FEATURES

- ATEX Certified for use without hot work permits
- Low vibration protects operators
- 11 quick fit beryllium copper heads fracture tough materials
- Integrated dust shroud can be connected to Trelawny's ATEX TVS vacuums for dust free operation
- Low tool head height allows for access under pipes and other obstructions
- Standardised components over all SF-Ex models for cost effective maintenance
- Simple and robust design offers reduced and simple maintenance



FOR FAST DESCALING OF DECKS ON VESSELS AND PLATFORMS THE SF11-EX WALK BEHIND DECK HAMMER IS A FAST, EFFECTIVE MEANS OF REMOVING HARD COATINGS AND CORROSION.

11 beryllium copper non-spark heads quickly fracture even the toughest materials.

ATEX certification allows for use in Gas Zone 1 make it suitable for use where alternative methods are prohibited.

Perfect for ongoing maintenance or preparation prior to blast cleaning to speed up removal and save cost on abrasive.

The floating head design allows the SF11-Ex to easily follow deformations in the surface meaning coatings will be removed evenly and consistently.

ATEX Certification for VL Tools



*Certified for use in Category 2 (Dust Zone 21 / Gas Zone 1)



Dust control options available

APPLICATIONS

- Fast removal of coatings and corrosion on ship and platform decks
- Use ahead of grit blasting to rapidly breakdown coatings
- Concrete scabbling and preparation
- For Gas Ex Zone Applications on rigs, petrochemical plants, pipelines, vessels and shipyards



COATING AND CORROSION REMOVAL



DECK DESCALING



USE WITH KAV30 VACUUM





Image	Part Number	rt Number Description		Image	Part Number	Description	
\$	606.5303	Cruciform taper fit cutter head Beryllium copper spark resistant		O	614.5301	Brush seal	
	612.5301	Piston to fit cutter heads			446.1540x	SF11-Ex Service Kit Consists of: Cruciform Scaler head x11, Piston x11, Brush Seal x11, Cap x 11, Spring Cap x11, Recoil Spring x11, Extractor Plate & Extractor Pin	

TECHNICAL DATA

Model	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Cutter Heads	Dust Port (mm-inch)	Air Consumption (lps - cfm)	Noise Level (db (A))	Blows Per Min (BPM)	Weight (kg)	Vibration Level (Aeq m/s²)
SF11-Ex Cruciform	159.5930	59.04.00	55.095.01	Beryllium Copper Cruciform Taper Fit	38 - 1.5	33 - 70	113.1	3000 × 11	38	5.76

DIMENSIONS

Model	Trelawny	IMPA	ISSA	Working Width	Width	Height
	Part No.	Part No.	Part No.	(mm)	(mm)	(mm)
SF11-Ex Cruciform	159.5930	59.04.00	55.095.01	252	285	1230

ATEX LOW VIBRATION AND DUST FREE SCALING SYSTEM



KAV30 ATEX VACUUM



SERIES KAV PNEUMATIC VACUUM

THE K SERIES RANGE OF INDUSTRIAL DUST COLLECTORS FORM AN INTEGRAL PART OF TRELAWNY TVS® (TOOL AND VACUUM SYSTEM).

Uniquely available with a fully conductive accessory kit, stainless steel canisters mounted on a stainless steel caddy fitted with conductive braked castors & wheels. Each machine is issued with an earth path continuity certificate and where applicable the Type H versions include a filtration test certificate.

The K series range of industrial dust collectors form an integral part of Trelawny's TVS®, Tool and Vacuum System, for our range of smaller hand held surface preparation equipment.

ATEX Certification for KAV30



*Certified for use in Category 2 (Dust Zone 21 / Gas Zone 1)



TV

FEATURES

- 30 litre capacity
- ATEX certified
- HEPA option available
- Supplied with conductive tool kit
- Wet and dry options available
- Suitable for use with Trelawny's TVS® range of handheld scaling tools

APPLICATIONS

Dust control options available

- Collection of dust in hazardous environments categorised under category 2 of the ATEX directive
- Collection of dry dust and wet materials
- Effective and compatible with all Trelawny TVS tools





USE WITH NEEDLE SCALERS



USE WITH PEENING PREPERATION TOOL





Image	Part Number	Description	Image	Part Number	Description
	303.1062	Drum Adapter HEPA Cartridge (HEPA Filter Included)	QIT	303.1095/AS	38mm Anti-Static Wet Tool Kit
	303.1061	HEPA Filter		303.1100/AS	38mm Anti-Static Floor Tool With Brushes
	303.1025/AS	14 " Anti-Static Filter		303.1105/AS	38mm X 125mm Anti-Static Dusting Brush
	303.1050/AS	14" Anti-Static Float Assembly - Wet Use		303.1110	38mm Stainless Steel Taper Tube For joining hoses
Q	303.1075/AS	38 Mm X 3 M Anti-Static Hose		303.1005	K4 Disposable Bags - Pack Of 10 - For disposing of sealed waste such as hazardous dust
Q//7	303.1085/AS	38mm Anti-Static Dry Tool Kit		303.1003	5 X K4 Microfibre Bags For dry use applications

TECHNICAL DATA

Model	Part Number	Capacity (litres)	Output flow (M³ per h / Lt per sec)	Air Consumption (Lt per sec / cfm)	Max vacuum at 100 psi (mm H ₂ 0)	Dimensions (mm)	Weight (Kg)
KAV30 Dry	303.10KAV30/D	30	110 - 33	16 - 35	2500mm / water gauge	890 x 460 x 500	14.5
KAV30 Dry Type H	303.10KAV30/DH	30	110 - 33	16 - 35	2500mm / water gauge	1110 x 460 x 500	20.8
KAV30 Wet	303.10KAV30/WD	30	110 - 33	16 - 35	2500mm / water gauge	890 x 460 x 500	14.5

Dry models complete with:

- 38mm tool kit (Part No. 303.1085/AS)
- 14" Anti-static filter assembly (Part No. 303.1025/AS)
- 5 x K4 Microfibre bags (Part No. 303.1003)

Wet & Dry models complete with:

- 38mm Tool Kit (Part No. 303.1095/AS)

- 14" Anti-Static Float Assembly (Part No. 303.1050/AS) - 14" Anti-Static Filter Assembly (Part No. 303.1025/AS)

- 5 X K4 Microfibre Bags (Part No. 303.1003)

Dry Type H models complete with:

- 38mm Tool Kit (Part No. 303.1085/AS)
- 14" Anti-Static Filter Assembly (Part No. 303.1025/AS)
- HEPA Filter Assembly (Part No. 303.1062)

- 5 X K4 Microfibre Bags (Part No. 303.1003)

Trelawny recommends an optimum air pressure of 6 bar for maximum efficiency "ATEX Directive gg/g2/EC - referring to health and safety of workers that might be at risk from explosive atmospheres. Classifies hazardous areas into zones which for dust range from zone 20 (combustible dust present continuously or for long periods); through zone 21 (combustible dust likely occasionally) to zone 22 (combustible dust not likely to occur, or for a short period). "ATEX approved vacuums for use in gas zone 1 and dust zone 21 are available, please ask our sales team for details

" It is the end user responsibility to ensure & maintain a good earth bond at the air connection point " HEPA - High Efficiency Particulate Air - filter for collection of hazardous dust



GET IN TOUCH TO FIND OUT HOW TRELAWNY DELIVERS THE PERFECT FINISH

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DEALER STAMP



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