

# EX TOOL RANGE

## ATEX CERTIFIED SURFACE PREPARATION TOOLS



# ABOUT ATEX CERTIFIED TOOLS



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## 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.



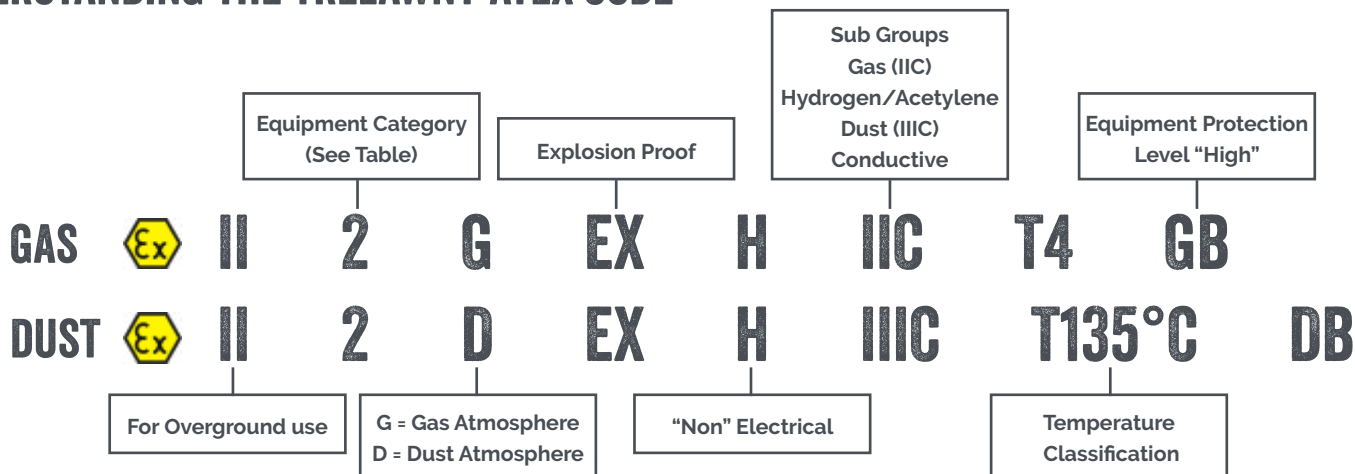
### Example certificate for Trelawny SFEx ATEX certified scaling hammers

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	
		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.



# VL-EX

**ATEX CERTIFIED  
LOW VIBRATION NEEDLE  
AND CHISEL SCALERS**

# VL-EX NEEDLE & CHISEL SCALERS



VL303Ex Needle



VL223Ex Needle



VL303Ex Chisel



ATEX Certified



Low Vibration



Dust control

## 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 Scalars 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 scalars.

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.

Trelawny VL-Ex ATEX Classification:

**EX II 2 G EX H IIC T4 GB**

**EX II 2 D EX H IIIC T135 °C DB**

\*Certified for use in Gas Zone 1 and dust Zone 21

## FEATURES

- Pistol grip and in-line configurations suit all applications
- ATEX certified for use without hot work permits
- Ultra low vibration (<2.8 m/s<sup>2</sup>) 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.



OPTIONAL DROP PROTECTION KIT



PAINT REMOVAL



CORROSION REMOVAL

## KEY CONSUMABLES & ACCESSORIES

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 446.3003x 446.2203x 446.3303x	N/A N/A N/A N/A	N/A N/A N/A N/A	VL203Ex/VL223Ex Needle Scaler Service Kit VL303Ex Needle Scaler Service Kit VL203Ex/VL223Ex Chisel Scaler Service Kit VL303Ex Chisel Scaler Service Kit
	403.1319 403.1328	N/A N/A	55.091.12 55.091.24	Beryllium Copper Needles 3mm Chisel Tip - Box of 19 Beryllium Copper Needles 3mm Chisel Tip - Box of 28
	512.3003 (VL303) 512.2003 (VL203/223)	N/A N/A	N/A N/A	Drop Protection kits includes Fall Arrester 720.3003 (VL303) 720.2003 (VL203/223) Lanyard 415.3003
	601.2030 601.3030	N/A N/A	N/A N/A	VL203Ex/VL223Ex Needle Holder (19 x 3mm) VL303Ex Needle Holder (28 x 3mm)
	712.2003 712.3003	N/A N/A	N/A N/A	VL203Ex/VL223Ex Front Spring VL303Ex Front Spring
	421.3530X	N/A	N/A	Anti-Static Air Hose 10 Meters.

## TECHNICAL DATA

Model	Trelawny Part No.	Type	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/s <sup>2</sup> )
VL223Ex Needle	196.2107	In-line	19 x 3mm	2.35	2400	1.89 - 4	¼	90.7	2.56
VL223Ex Chisel	196.2117	In-line	50mm Chisel	2.95	2400	1.89 - 4	¼	76.3	3.69
VL203Ex Needle	196.2207	Pistol Grip	19 x 3mm	2.7	2400	1.89 - 4	¼	90.7	2.75
VL203Ex Chisel	196.2217	Pistol Grip	50mm Chisel	3.2	2400	1.89 - 4	¼	76.3	3.33
VL303Ex Needle	196.3007	Pistol Grip	28 x 3mm	3.51	3000	2.6 - 5.5	¼	109.5	2.3
VL303Ex Chisel	196.3017	Pistol Grip	50mm Chisel	4.25	3000	2.6 - 5.5	¼	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



Drop Protection



Low Vibration



Dust control options available



ATEX Certified





# SF-EX

**ATEX CERTIFIED  
HANDHELD AND WALK-BEHIND  
SCALING HAMMERS**

# 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 Certified



Low Vibration

Trelawny VL Ex ATEX Classification:

**EX II 2 G EX H IIC T4 GB**

**EX II 2 D EX H IIC T135 °C DB**

\*Certified for use in Gas Zone 1 and dust Zone 21

## 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 factories
- Concrete 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**

## KEY CONSUMABLES & ACCESSORIES

Image	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Description
	606.5303	59.03.89	55.09313	<b>Cruciform taper fit cutter head</b> Beryllium copper spark resistant - for fracturing and removal of coatings To fit 196.5110
	612.5301	N/A	N/A	<b>Piston to fit cutter heads</b>
	446.1510X 446.1530X	N/A N/A	N/A N/A	<b>VLSF1-EX Service Kit</b> <b>VLSF1-EX Service Kit</b>
	614.5301	N/A	N/A	<b>Brush Seal</b>
	421.3530	N/A	N/A	<b>Anti- static Air hose 10 meters.</b>

## 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/s <sup>2</sup> )
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



# SF11-EX DECK HAMMER

**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 Certified



Low Vibration



Dust control

Trelawny VL Ex ATEX Classification:

**EX II 2 G EX H IIC T4 GB**

**EX II 2 D EX H IIC T135 °C DB**

\*Certified for use in Gas Zone 1 and dust Zone 21

## 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

## 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

## KEY CONSUMABLES & ACCESSORIES





Image	Part Number	Description
	606.5303	Cruciform taper fit cutter head Beryllium copper spark resistant
	612.5301	Piston to fit cutter heads

Image	Part Number	Description
	614.5301	Brush seal
	446.1540x	<b>SF11-Ex Service Kit</b> 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)	Vibration Level (Aeq m/s <sup>2</sup> )
SF11-Ex Cruciform	159.5930	59.04.00	55.095.01	Beryllium Copper Cruciform Taper Fit	38 - 15	33 - 70	113.1	3000 x 11	5.76

## DIMENSIONS

Working Width (mm)	Width (mm)	Height (mm)	Weight (kg)
252	285	1230	38

## ATEX LOW VIBRATION AND DUST FREE SCALING SYSTEM



Low Vibration



Dust control options available



ATEX Certified



ATEX Certified



Dust control

## 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.

Trelawny VL Ex ATEX Classification:

**EX II 2 G EX H IIC T4 GB**

**EX II 2 D EX H IIIIC T135 °C DB**

\*Certified for use in Gas Zone 1 and dust Zone 21

## 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

- 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 SF11



USE WITH NEEDLE SCALERS



USE WITH PEENING PREPERATION TOOL

## KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	303.1060	HEPA Filter Assembly Antistatic option
	303.1025/AS	14 " Anti-Static Filter
	303.1035	14" Permaflow Filter (Optional)
	303.1050/AS	14" Anti-Static Float Assembly - Wet Use
	303.1075/AS	38 Mm X 3 M Anti-Static Hose
	303.1085/AS	38mm Anti-Static Dry Tool Kit

Image	Part Number	Description
	303.1095/AS	38mm Anti-Static Wet Tool Kit
	303.1100/AS	38mm Anti-Static Floor Tool With Brushes
	303.1105/AS	38mm X 125mm Anti-Static Dusting Brush
	303.1110	38mm Stainless Steel Taper Tube For joining hoses
	303.1005	K4 Disposable Bags - Pack Of 10 - For disposing of sealed waste such as hazardous dust
	303.1003	5 X K4 Microfibre Bags For dry use applications

## TECHNICAL DATA

Model	Part Number	Capacity (litres)	Output flow (M <sup>3</sup> per h / Lt per sec)	Air Consumption (Lt per sec / cfm)	Max vacuum at 100 psi (mm H <sub>2</sub> O)	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:

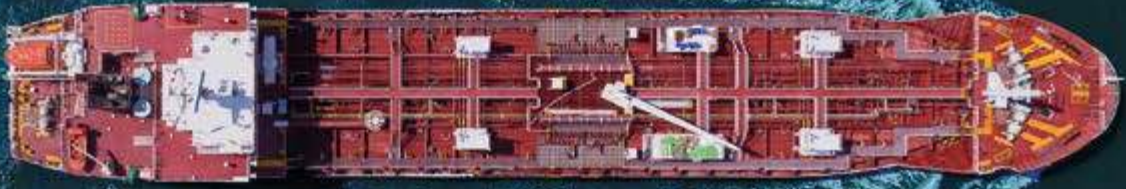
- 38mm Tool Kit (Part No. 303.1095/AS)
- 14" Anti-Static Float Assembly (Part No. 303.1050/AS)
- 14" Anti-Static Filter Assembly (Part No. 303.1025/AS)
- 5 X K4 Microfibre Bags (Part No. 303.1003)

### 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. 303.1060)
- 5 X K4 Microfibre Bags (Part No. 303.1003)

### Trelawny recommends an optimum air pressure of 6 bar for maximum efficiency

- \*\* ATEX Directive 99/92/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**



DEALER STAMP

**TECHNISCH BUREAU**

**DUSPRA**

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