

VLSF1EX SCALING HAMMER

OPERATIONS AND MAINTENANCE MANUAL



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INTRODUCTION

Your new Trelawny SPT tool will more than satisfy your expectations. It has been manufactured under stringent Trelawny SPT Quality Standards to meet superior performance criteria. You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.



WARNING

Carefully read through these original instructions before using your new Trelawny tool. Take special care to read the warnings. Your Trelawny tool has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.



ENVIRONMENTAL PROTECTION

The machine, accessories and packaging should be sorted for environmentally friendly recycling. The plastic components are labelled for categorised recycling.



DISPOSAL

Waste products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

DECLARATION OF CONFORMITY

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www.trelawny.co.uk
Email: sales@trelawny.co.uk

We,

Trelawny SPT Limited of
Trelawny SPT Ltd, CO. Indutrade Benelux BV, Anton Philipsweg 1, 1422 AL Uithoorn, Netherlands
Declare that under our sole responsibility for supply/manufacture of the product

Name of product: Scaling Hammer
Model: VLSF1Ex

to which this document relates is in conformity with the provisions of the following Directive(s),
Normative Documents and their relevant Standards:

2006/42/EC	MACHINERY DIRECTIVE
EN ISO 11148-4:2010	HAND HELD NON-ELECTRIC (Non-Rotary Percussive Tools)
EN ISO 4414:2010	General rules and safety requirements
EN ISO 4414	SAFE PNEUMATIC EQUIPMENT OF MACHINERY

Conformity with the following relevant legislation:

2014/34/EU ATEX DIRECTIVE

Based on following harmonised standards:

EN 60079-0:2018
EN ISO 80079-36:2016
EN ISO 80079-37



II 2 G Ex h IIC T4 Gb

II 2 D Ex h IIIC T135°C Db

Year and place of issue,
2020
Leamington Spa, England



A handwritten signature in blue ink, appearing to read "Adam Dickinson".

Adam Dickinson,
Managing Director

DECLARATION OF CONFORMITY

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We,

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DECLARATION OF CONFORMITY

CZ	Prohlášení o přizpůsobení My, společnost Trelawny SPT Limited podáváme daňové přiznání, že výrobek a dodávka výrobku název výrobku Model, výrobní číslo Rok výroby Pro které se průkaz týkající, je přizpůsobení s zásoby od následující příkazov a jejich pohotovosti: 98/37/EC Příkaz soustrojí 73/23/EC Příkaz nízkého napětí (upotřebitelné jediné do výrobku použití elektrické energie)	LT	ATITIKTIES DEKLARACIJA Mes, Trelawny SPT Limited Prisiimdami visą atsakomybę deklaruojame, kad tiekiamas / gaminamas produktas Produkto pavadinimas Modelis, serijos numeris Pagaminimo Kuriam taikoma ši deklaracija, atitinka šių direktyvų, norminių aktų ir su jais susijusių standartų reikalavimus: 98/37/EC Įrangos direktyva 73/23/EC Žemos įtampos direktyva (taikoma tik elektriniams įrengimams)
DE	Übereinstimmungserklärung Wir, Trelawny SPT Limited erklären, dass unter unserer alleinigen Verantwortung für die Lieferung und Herstellung des Produktes Name des Produktes Model, Seriennummer Jahr der Herstellung auf welches sich dieses Dokument bezieht, stimmt mit den Vorgaben der folgenden Direktive, normativen Dokumente und deren jeweiligen Masstabe ein: 98/37/EC Maschinenriediktive 73/23/EC Niederspannungsriediktive (nur zutreffend auf Produkte, die Strom benutzen)	MT	DIKJARAZZJONI TA KONFORMITA Ahna, Trelawny SPT Limited Niddikjaraw li ahna responsabbli kompletament ghal provista / manifattura tal-prodott hawn f'msemmi: Isem il-Prodott Mudell, Serial number Sena la 'produzzjoni' Dan id-dokument maghmul ghal prodott insemi hawn fuq, li huwa skond il-provizjonijiet insemiija fid-dokumenti tal-klassi tax-xoghol: 98/37/EC Machinery Directive 73/23/EC Low Voltage Directive (tapplika biss ghal prodotti li jahdmu bl-elektriu)
DK	Erklæring om overensstemmelse Vi, Trelawny SPT Limited Erklærer hermed at under vores ene forhandling ansvar for vores forhandling/produktion af produktet Produkt navn Model, serie nummer Produktionsår For hvilket dette dokument referer, at deler i overensstemmelse med bestemmelser af følgende direktiver, normative dokumenter og deres relevante standard: 98/37/EC Machinery directive 73/23/EC Low voltage directive	NL	EENVORMIGHEIDSVERKLARING Wij, Trelawny SPT Limited Verklaren dat wij de volledige verantwoordelijkheid dragen voor het leveren/fabriceren van het volgende product: Naam van het product Type, Serienummer Productiejaar En verklaren dat het product waarnaar dit document verwijst eenvormig is met de voorzieningen van de volgende Richtlijn(en), Normatieve Documenten en hun relevante Standaarden: 98/37/CE MACHINERICHTLIJN 73/23/CE LAAGSPANNINGSRICHTLIJN (uitsluitend van toepassing bij producten die elektrische stroom gebruiken)
EE	TOOTE VASTAVUSE DEKLARATSIOON Meie, Trelawny SPT Limited Deklareerime, et vastutame järgmise varustuse/toote müügi eest Toote nimetus Mudel, Seeria number Aasta toodangu Antud dokument tõendab toote vastavust järgmistele direktiivide(de)le, normatiividele ja nendega samaväärsetele standarditele: 98/37/EC MASINA DIREKTIIVID 73/23/EC MADALPINGE DIREKTIIVID (Kohandatakse vaid toodetele, mis kasutavad elektrivoolu)	PL	Deklaracja Zgodności My, Firma Trelawny SPT Limited. oświadczamy w naszej odpowiedzialności, że produkcja i dostawa urzcdzenia Nazwa produktu Model, numer seryjny Rok produkcji do którego ten dokument należy, jest zgodne z klauzulami następujących zarządzeń i ich istotnych standardów: 98/37/EC Zarządzenie mechaniczne 73/23/EC Zarządzenie niskiego napięcia elektrycznego (Zastosowanie tylko przy urządzeniach elektrycznych)
ES	Declaración de Conformidad Nosotros, Trelawny SPT Limited Declaramos que bajo nuestra completa responsabilidad de la fabricación/suministro del producto Nombre del Producto Modelo, No de Serie Año de producción A quien este documento se refiere, está de acuerdo con lo relacionado en la Directriz, Normativa Documentada y sus relevantes standards: 98/37/EC Directorio de Maquinaria 73/23/EC Directorio de Bajo Voltaje (Aplicable solamente a productos que funcionen con electricidad)	PT	DECLARAÇÃO DE CONFORMIDADE CE A empresa TRELAWNY SPT LIMITED Declara, sob sua inteira responsabilidade, que o fornecimento/fabrico do seguinte produto: Designação do produto Modelo, Número de Série Ano de produção a que esta declaração se refere, está em conformidade com o preceituado nas Directivas e Normas Comunitárias abaixo indicadas: 98/37/EC DIRECTIVA DE MÁQUINAS 73/23/EC DIRECTIVA DE BAIXA VOLTAGEM (Aplicável apenas a produtos que utiliz am energia eléctrica)
FI	ILMOITUSVAHVISTUS Me, Trelawny SPT Limited Vahvistamme tuotteiden toimittamisesta/valmistamisesta Tuotenimi Malli, sarjanumero Valmistusvuosi Tällä todistuksella vahvistamme säädöskset seuraviin ohje/ohjesiin, Yleisiin papereihin ja niihin liittyvät vaatimukset: 98/37/EC KONEISTON OHJEET 73/23/EC PIENJÄNNITTE OHJEET (tarvitaan ainoastaan tuotteille jotka käyttävät sähkövoimaa)	RU	СВИДЕТЕЛЬСТВО О СООТВЕТСТВИИ Мы, Trelawny SPT Limited Заявляем, что несем полную ответственность за поставку/производство нижеуказанной продукции Наименование изделия Модель, серийный номер Год выпуска на которую выдано настоящее Свидетельство, и которая соответствует положениям сдующей(их) директив(ы), нормативным документам и относящимся к ним стандартам: 98/37/EC ДИРЕКТИВА ПО МЕХАНИЗМАМ 73/23/EC ДИРЕКТИВА ПО НИЗКОВОЛЬТНОМУ ОБОРУДОВАНИЮ (распространяется только на изделия с электропитанием)
FR	DÉCLARATION DE CONFORMITÉ Nous, soussignés Trelawny SPT Limited déclarons que le produit sous-nommé Nom du produit Modèle et Numéro de Série Année de production et pour lequel nous prenons entière responsabilité pour sa fourniture et manufacture, est conforme aux clauses des directives suivantes documents normatifs et normes qui s'y appliquent: 98/37/EC DIRECTIVE POUR LA MACHINERIE 73/23/EC DIRECTIVE POUR BAS VOLTAGE (n'est applicable qu'aux produits utilisant l'énergie électrique)	SE	FÖRSÄKRAN OM ÖVERENSSTÄMMELSE VI, TRELAWNY SPT LIMITED FÖRKLARAR ATT VI MED ENSAMT ANSVAR ANSKAFFAT / TILLVERKAT PRODUKTEN PRODUKTNAMN MODELL och SERIE NUMMER Tillverkningsår TILL VILKEN DETTA DOKUMENT HÄNVISAR ÄR I ÖVERENSSTÄMMELSE MED FÖLJANDE DIREKTIV, NORMATIVA DOKUMENT OCH DERAS RELEVANTA STANDARDER 98/37/EC MASKINDIREKTIV 73/23/EC LÅGSTRÖMSDIREKTIV (TILLÄMPLIG PÅ ELEKTRISK DRIVNA PRODUKTER)
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HU	MEGFELÉLŐSÉGI NYILATKOZAT Mi, A "Trelawny SPT Limited" cég Felelősségünk tudatában kijelentjük, hogy mint a termék szállítója/gyártója Termék neve Típus, Sorozatszám Gyártási év amelyre jelen dokumentum vonatkozik, megfelel az alábbi irányelv(ek), Irányadó Dokumentumok előírásainak, és az azokat meghatározó szabványoknak: 98/37/EC GÉPÉSZETI IRÁNYELVEK 73/23/EC KISFESZÜLTÉGŰ IRÁNYELVEK (Csak az elektromos meghatású gepeknél)	TR	UYGUNLUK BEYANI Trelawny SPT Limited Aşağıdaki, üretim ve tedarkinden tek babına sorumlu olduou ürünün Ürün adı Model/Seri no Üretim yılı bu belgenin ilgili olduou aşağıdaki yönetmeliklerin, norm belgelerinin ve ilgili standartlarıнын ko-Pullarıyna uygun olduouunu beyan eder: 98/37/EC MAKİNALAR YÖNETMELİDİ 73/23/EC DÜBÜK GERİLYM YÖNETMELİDİ (Yalnızık elektrikle çalypan ürünlerde geçerlidir)
IT	DICHIARAZIONE DI CONFORMITA La Società Trelawny SPT Limited Dichiara, sotto la propria responsabilità, che la fornitura / produzione del prodotto Nome prodotto Modello, codice Anno di produzione a cui si riferisce tale documento è conforme alle seguenti Direttive, ai documenti della Normativa ed ai relativi standard: 98/37/EC DIRETTIVA SULLE APPARECCHIATURE 73/23/EC DIRETTIVA SUL BASSO VOLTAGGIO (applicabile esclusivamente per i prodotti che utilizzano energia elettrica)		

DECLARATION OF CONFORMITY

Appendix 1 - Hazardous Area Certification

The VLSF1Ex Scaling Hammer certified compliant to the ATEX Directive (2014/34/EU) for safe use within a hazardous area and has been assessed so by Element Materials Technology.

This product conforms to the Standards:

EN 60079-0:2018

EN ISO 80079-36:2016

EN ISO 80079-37

And is attributed with the product certification codes:



II 2 G Ex h IIC T4 Gb

II 2 D Ex h IIIC T135°C Db

With ATEX Certificate Number: EMT19ATEX0020X

Special Conditions of Safe Use

1. Air compressors used in conjunction with the Scaling Hammers shall incorporate means to prevent the ingress of dust or other foreign material into the air supply i.e a filter on the compressor intake.
2. For air compressors used in conjunction with the Scaling Hammers, only lubricants that are resistant to carbonisation shall be used.
3. The external painted surfaces of the equipment are not to be exposed to charging mechanisms stronger than manual rubbing.
4. Air supply hoses used in conjunction with the equipment must be manufactured from anti-static material with a surface resistance no greater than $10^9 \Omega$.
5. Equipment is to be lubricated before as detailed in the Operations & Maintenance Manual.
6. Any lubricating oil used must have an auto ignition temperature of $> 185^\circ\text{C}$.
7. The equipment must not be stored in an explosive acetylene atmosphere (to prevent the formation of acetylides on the copper heads).

Equipment must only be installed & maintained by suitably qualified and competent personnel in accordance with the instructions provided and the terms of the applicable product services.

FOREWORD

Thank you for your purchase of a Trelawny VLSF1Ex Scaling Hammer. This manual contains the necessary maintenance information for you to ensure proper operation and care for this machine. Also see the manual that is supplied by the engine manufacturer. It is essential for you to read through

this manual thoroughly. In the unlikely event that you experience problems with your Trelawny VLSF1Ex Scaling Hammer, please do not hesitate to contact your local Trelawny dealer or agent. We always welcome feedback and comments from our valued customers.

GENERAL INFORMATION

Before operating Trelawny Scaling Hammers, this manual must be read and understood by the operator, if in any doubt, ask your supervisor before using this equipment. Local safety regulations must be followed at all times. Failure to follow these instructions could result in damage to the Scaler and/or personal injury.

Trelawny SPT Ltd disclaims all responsibility for damage to persons or objects arising as a consequence of incorrect handling of the tool, failure to inspect the tool for damage or other faults that may influence its operation prior to starting work, or failure to follow the safety regulations listed or applicable to the job site.

These scaling tools are designed for removal of heavy rust and scale.



WARNING! Before operating, performing maintenance or repairing the scaling hammers this manual must be read and understood. If in any doubt, ask your supervisor before using this equipment.

SAFETY

Do:

- Be aware that this tool is not electrically insulated.
- Be aware that the tool can create dust and flying debris.
- Keep hands and clothing away from moving parts.
- Be aware of others working around you.
- Ensure that this tool is lubricated daily.
- Store this tool in a secure and dry environment.
- Wear Personal Protective Equipment including safety goggles, footwear, ear defenders and gloves. In some environments it will be necessary to wear facemasks or breathing apparatus.
- Always observe safe-working practices at all times.

Do not:

- Allow the tool to run unattended.
- Modify this tool in any way, this will invalidate the warranty and could also lead to serious injury.
- Drag the tool by the air hose.
- Use petrol (gasoline), thinners or any other high flash point solvent to clean the tool.



WARNING! Always observe safe-working practices at all times.

RISK OF HAND-ARM VIBRATION INJURY

These tools may cause Hand-arm Vibration Syndrome injury if their use is not adequately managed. We advise you to carry out a risk assessment and to implement measures such as; limiting exposure time [i.e. actual trigger time, not total time at work], job rotation, ensuring the tools are used correctly, ensuring the tools are maintained according to our recommendations, and ensuring that the operators wear personal protective equipment [PPE] particularly gloves and clothing to keep them warm and employers should consider setting up a programme of health surveillance to establish a benchmark for each operator and to detect any early symptoms of vibration injury.

We are not aware of any PPE that provides protection against vibration injury by attenuating vibration emissions.

See 'Specifications' section for vibration emission data. Further advice is available from our Technical Department.

AIR SUPPLY

The compressed air must be free from water and dirt. The installation of a filter/regulator/lubricator air preparation set (with moisture trap) adjacent to the tool is strongly recommended.

Always clear the air hose before connection to the tool. Ensure that no moisture (condensation) is present in the air hose. Ensure that a minimum 10mm (3/8") bore antistatic air hose is used and that all couplings are secure, leak free and in good condition.

Limit the length of air hose to 10M (33ft). Where extra length is necessary, for each additional 15M (50ft) of air hose used, the pressure drop is approximately 0.16bar (3psi). Correct operating pressure is 6.2bar (90psi).

Do not let the operating pressure fall below 5.5bar (80psi.) or rise above 6.9bar (100psi) absolute maximum. The compressor must be able to supply a minimum of 7.0 lps (15cfm) for Single Scalers, (Free air, not displaced as quoted by some compressor manufactures).

In particularly cold weather it is recommended that a proprietary anti-freeze lubricating oil is used.

STARTING WORK

Always use Trelawny Beryllium Copper heads.

Prior to operating the tool check that all fittings are secure, free from leaks and air hoses are in good condition.

That the air pressure is correct for this tool 6.2 bar (90psi.). Put a few drops of recommended lubricant into the air inlet of the tool. To operate the tool, which is dependant on the type of lever fitted, for those fitted with a safety lever, first push thumb button forwards and then for both styles of lever, pull the lever towards the handle grip to start the tool, then apply the cutter heads to the surface being prepared.

To switch off, simply release the throttle lever.

Care must be taken to avoid damaging or tripping over the air hose. Maintain contact with the work surface with sufficient pressure only to keep the tool from bouncing off. Excessive pressure can prevent the tool from working to its full capacity.

Handled correctly the Scaler will work quickly and efficiently.



VERY IMPORTANT
Only Trelawny Beryllium Copper Heads must be used in this tool. DO NOT substitute with any other head.

MAINTENANCE

Excessive operator pressure will not improve the tool efficiency but will cause premature tool failure and operator fatigue. Never allow the tool to run continuously whilst not in contact with the surface being prepared.

Please be aware: that this tool will reduce in power or stop working if the end cap (17) has become unscrewed.

Maintenance must only be carried out by a competent person. Disconnect the tool from the air supply before carrying out any of the following operations. Clean all debris from the exterior of the tool.

Recommended lubricants

Oil the tool daily before use. Put a few drops of one of the following zinc free air tool lubricants through the air inlet.

SHELL S22 or R10

CASTROL Hyspin ZZ32

Always use clean oil from a sealed container and ensure ignition temperature is above 185degC°.

Cleaning

At intervals of no more than 40 hours or if operation becomes unproductive and the piston shows signs of sticking, dismantle and clean with a highly refined paraffin.

Immediately after cleaning, thoroughly oil the tool with one of the recommended lubricants.

Head removal - Taper Fit (On site)

Lay the scaling hammer on a solid surface with the cutter head (25) facing uppermost. Place the head removal washer (32) between the cutter head and the body; insert the removal pin (31), into cutter head hole (refer to diagram for pictorial illustration). Wearing safety glasses and using a medium size hammer give a sharp blow to the head of the pin, which will release the cutter head from the piston.

Piston/Cylinder Assembly removal (Workshop)

Hold the scaler body (24) in a vice, using the flats provided and with the end cap uppermost. On triple scalers, secure the tool in a vice, clamping on all three cutter heads. Unscrew the end cap (17). Remove spring cap (19) and spring (18) from the end cap. From the bottom of the body, push up the cutter head to remove the piston assembly.

Head Removal - Taper Fit (Workshop)

Lay the piston and cylinder assembly on a solid surface with the cutter head facing uppermost. Place the head removal washer (32) between the cutter head and the cylinder; insert the removal pin (31), into cutter head hole (refer to diagram for pictorial illustration). Wearing safety glasses and using a medium size hammer, give a sharp blow to the head of the pin, which will release the cutter head from the piston. Inspect all components for wear, replace as necessary.

Valve body servicing (Workshop)

Clamp the handle (10) assembly firmly in a soft face jawed vice (valve body end) throttle lever upper most. Using a 3mm diameter pin punch, remove the throttle lever roll pin (8), and then remove the throttle lever (7). Rotate the tool 180 degrees in the vice to access the valve. Unscrew the valve cap (1) using a screwdriver, check the valve cap 'O'Ring (2), remove the spring (3), push out the valve stem (4) and remove the 'O'Ring (5). Check the valve and 'O'Ring for wear.

Assembly (Workshop)

Before any assembly takes place, ensure all parts are clean and have a film of air tool oil lubrication unless otherwise stated. Avoid lubricating oil or grease contaminating the threads of the end cap (17), the threads within the bore of the bodies (24) and the tapers on piston and cutter heads. The end caps will require securing with a thread-locking adhesive. It is good practice to renew all 'O' Rings (2/5) and the brush seals (22). Replace any parts showing signs of wear; paying particular attention to the small bore of the cylinder.

Head Assembly - Taper Fit (On-Site)

Thoroughly clean around area of cutter head and piston. Remove all traces of debris/oil from the taper on the piston (20) and internal taper of the cutter head (25) by cleaning with suitable oil free solvent. Place the tool in a position where the end cap is on a solid surface; Select one of the cleaned new cutter heads and place onto the taper of the piston. Using a soft-faced hammer deliver a sharp blow to the cutter head.

Head Assembly - taper fit (Workshop)

Remove all traces of oil and dirt etc, from the taper diameter on the piston (20) and cutter head (25) by cleaning with suitable oil free solvent. Fit the piston into the cylinder (21) as shown in the service layout. Place the assembly onto a solid surface; fit a new brush-seal (22) over the piston and into the recess of the cylinder. Select one of the cleaned new cutter heads and place onto the taper of the piston. Using a soft-faced hammer deliver a sharp blow to the cutter head.

Note: If you are re-fitting a used cutter head to the piston it is essential that the internal diameter of the cutter head is re-surfaced using a medium grade of emery cloth - this will ensure a good fit between cutter head and piston, do not use adhesive of any description on the taper. If the taper has expanded too much on the old cutter heads, they may not stay on the piston, replacements will be required.

Piston/Cylinder assembly (Workshop)

Lubricate the piston (20) and cylinder bore (21) and push the piston into the cylinder bore. Lay the tool on a bench with the body (24) on its side and insert the cylinder assembly into the body.

VLSF1EX SCALING HAMMER

Valve Body assembly (Workshop)

Clamp the handle (10) assembly firmly in a soft faced vice (valve body end), insert new valve stem 'O'Ring (5) into valve body (6), followed by the valve stem (4), spring (3), then the valve cap (1) complete with its 'O'Ring (2), tighten the valve cap with a screwdriver. Rotate assembly 180 degrees in vice. Using a 3mm diameter pin punch locate and align the throttle lever (7) in position, then drive in the throttle lever roll pin (8) into the pin location.

FINAL ASSEMBLY (Workshop)

Assemble the end cap (17), fit spring (18) into the end cap and fit cap as shown in the service

layout. Select as required, a piston/cutterhead, insert into the body (24) and apply a few drops of air tool lubricant to the top of the piston(s). Hold the handle (10) in a soft faced vice ensuring the screw cap threads are uppermost. Remove all traces of oil from the screwed cap threads and threads of the body by cleaning with suitable oil free solvent. Apply a bead of Loctite 243 sealant to the first 3 threads of the end cap. Screw end cap assembly into the body until finger tight and using a suitable spanner torque down to 55N.m. (40 lbs.ft).

DISPOSAL

When the tool and its accessories are taken out of service for disposal, it is recommended that: - They are rendered unusable to prevent improper re-use.

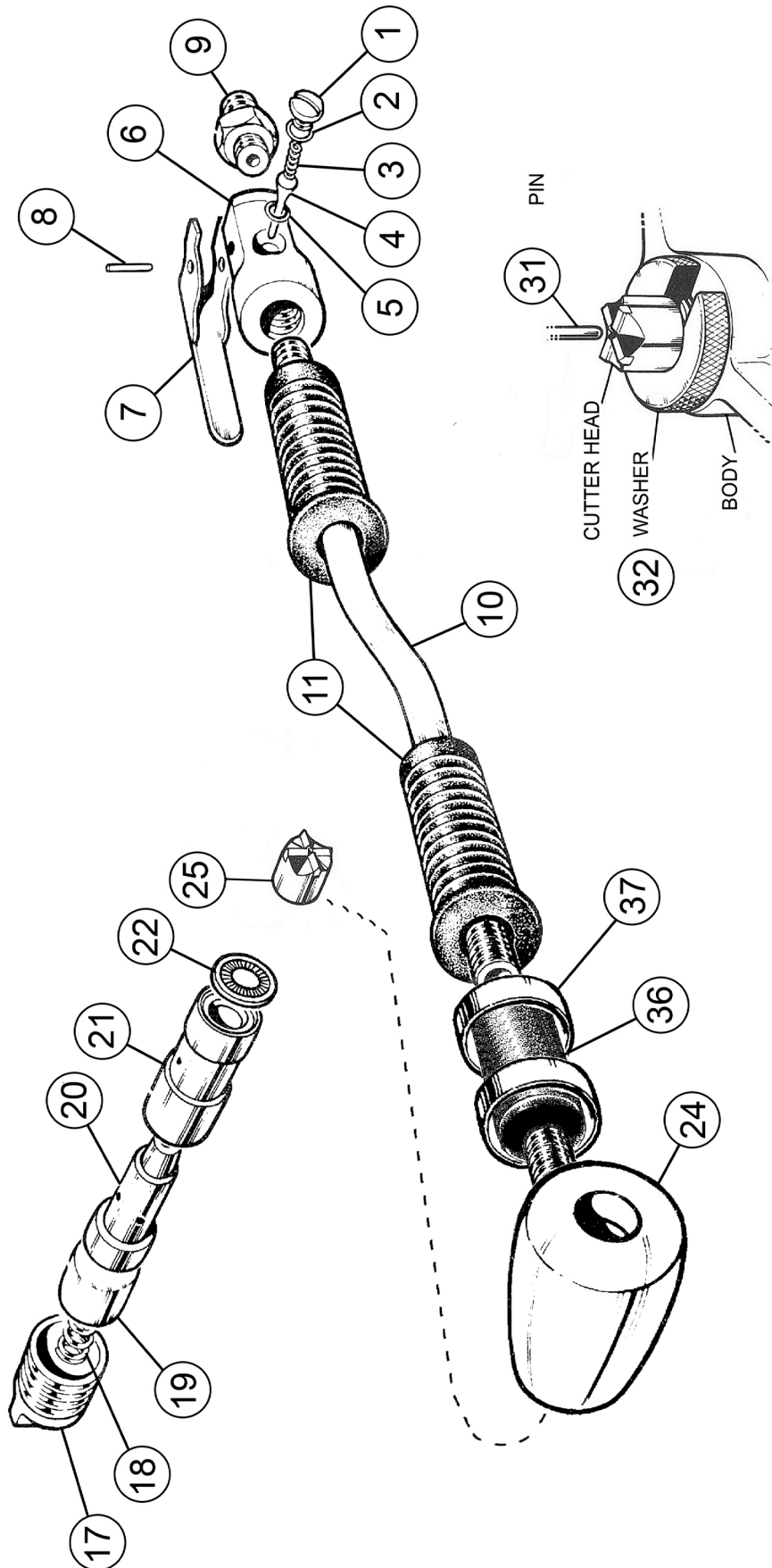
They are dismantled into component form, segregated according to material composition and disposed of using waste recycling processes specified by local regulations.



VERY IMPORTANT

Only Trelawny Beryllium Copper Heads must be used in this tool. DO NOT substitute with any other head.

EXPLODED DIAGRAM



PARTS LIST

Item NO.	PART NO.	DESCRIPTION
1	615.3021	Valve Cap
2	809.0139	Valve Cap O'Ring
3	712.3022	Valve Spring
4	618.3022	Valve Stem
5	809.0089	Valve Seat O'Ring
6	*423.5321	Valve Body Assembly (inc 1-8)
7	716.3000	Throttle Lever
8	813.0108	Roll Pin
9	711.5301	Adaptor
10	624.5350	Main Handle (Vibration Reduced)
11	717.5301	Rubber Grip
17	615.5341	Screwed Cap
18	712.5301	Compression Spring
19	615.5361	Spring Cap
20	612.5301	Piston (Std taper fit)
21	613.5301	Cylinder (Std taper fit)
22	614.5301	Brush Seal
24	411.5121	Single Scaler Body (Vibration Reduced, Std and H/Duty)
25	606.5303	Beryllium Copper Head (Taper Fit)
31	827.0428	Cutterhead Removal Pin
32	633.5301	Cutter Head Removal Washer
36	719.1380	Flexible Connector
37	821.2000	Hose Clamp
	446.1510X	Service Kit (2,4,5,7,8,17,18,19,20,22,25,31,32)

Trouble Shooting	Cause	Action
Poor performance or lack of power.	Low air pressure.	Ensure that the air pressure is correct at 90psi, max 100psi.
	If tool has been left for some time without use, the oil may dry out slightly, causing a sticky residue.	Strip tool down, clean and re-oil.
	Tool worn out, can you feel side ways movement between the piston and cylinder bore.	Replace the piston and cylinder, along with a new bush seal.
Tool continues to run with trigger released.	Valve seal may have become dislodged through the tool being disconnected with the trigger in the open position.	Ensure that the trigger has not been taped or wired in the open position.
Tapered cutterhead will not stay on piston.	Air pressure too high, piston hits bottom of cylinder causing head to be jettisoned.	Ensure that the air pressure is correct at 90psi, max 100psi.
	Traces of oil remained on the tapered surfaces when replacing cutter head.	Ensure that the cutterhead and pistons tapers are completely free of oil, use a good degreasing agent and clean cloth prior to assembly.

TECHNICAL SPECIFICATION

Model	Piston Diameter	Piston Length	Piston Stroke	Blows Per Minute	Air Consumption	Air Pressure	Length	Working Height	Weight	Noise Level LpA dB (A)	Noise Level LwA dB (A)	Vibration Level m/s ² Primary	Vibration Level m/s ² Secondary
VL Single Scaler Standard	27mm (1.06")	68.6mm (2.7")	26.0mm (1.023")	3000	3.3 lps (7.0 cfm)	6.2 bar (90psi)	515mm (20.3")	140mm (5.5")	2.46kg (5.42lbs)	92.5	106.3	3.7 (k)	9.9 (k)

Noise Levels: Noise level measured in accordance with: EN ISO 15744: 2008

Vibration Levels: Vibration measured in accordance with: EN ISO 28927-9:2012 and EN ISO 20643:2005, (k) Equals the factor of uncertainty, which allows for variations in measurement and production. Vibration Data figures are tri-axial, which gives the total vibration emission. Because of various factors, the range of vibration from these tools may vary between -0% +40% (9.9 m/s² -13.86 m/s²). The vibration is dependent on the task, the operators grip and feed force employed etc.

NOTE: The above vibration levels were obtained from tri-axial measurements to comply with the requirements of "The Control of Vibration at Work Regulations 2005" and the revisions to the (8662) now EN ISO 28927-9:2012 and EN ISO 20643:2005 series of standards. These values are at least 1.4 times larger than the values obtained from single axis measurements. *Based on European Union Council Directive 2002/44/EC (Physical Agents (Vibration) Directive)).

Machinery Directive Information:

This tool has been designed and produced in accordance with the following directives: and applicable harmonised standard:

2006/42/EC Machinery Directive
EN ISO 1 1148-4:2012
EN ISO 11148-4: 2010 Hand Held Non-Electric (Non-Rotary

Percussive Tools)

This tool conforms with the following EC legislation:
Based on the following harmonised standards:

ATEX DIRECTIVE 2014/34/EU
EN60079-0:2018
EN ISO 80079-36:2016
EN ISO 80079-37

Notified Body:

Certificate Number:

Element Material Technology LTD
EMT19ATEX0020X

If your company has any problem with our products or would like to discuss the possibility of an improvement being made to them, then please do not hesitate to contact us. Your comments are both important and appreciated.

Trelawny tools are thoroughly tested under specified conditions in accordance with applicable internationally recognised standards. When a tool is used on site the conditions may not be the same as those used in our tests.

Trelawny Surface Preparation Technology operates a policy of continuous product development and refinement and therefore reserves the right to change technical specifications and product designs without giving prior notice.

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The use of non-Trelawny spare parts will invalidate the ATEX certification and also the warranty.

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VERY IMPORTANT

Only the Tool Assembly is ATEX certified and any packaging comes with the tool is not covered by the certification

DEALER STAMP:

NEED TO CONTACT US?

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