

# THE PERFECT FINISH STARTS WITH TRELAWNY

**CONSTRUCTION AND INDUSTRIAL EQUIPMENT**





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## ABOUT US

Trelawny is an independent manufacturer of pneumatic tools and surface preparation equipment operating from its headquarters in the engineering heart of the UK in Leamington Spa. For over 60 years Trelawny has been offering a range of equipment for the preparation of concrete, steel and stone in industries which include:

- Construction
- Floor preparation
- Utility contracting
- Marine and offshore (oil and shore)
- Nuclear decommissioning (remediation)
- Restoration, refurbishment and demolition

## WHAT IS SURFACE PREPARATION

Prior to the application of any coatings or further treatment, surface preparation is the process of treating the surface, either mechanically or chemically. The aim is to increase the surface's attraction to coatings and is crucial to their success.

### Definitions of surface preparation

*"The process of treating a surface in order to increase its attraction to coatings. Surface preparation can be mechanical or chemical and is crucial to the success of a coating."*

Our products are sold worldwide through a global network of quality approved stockists and distributors. The latest techniques of low vibration equipment and dust free working are offered to ensure that job sites are maintained to the highest professional standard.

Our aim is to continue to develop our product offering to satisfy the demand and needs of our customers. With this, we continually seek quality stockists and distributors worldwide who are interested to work with a reputable growing brand and offer the service, back up and know-how our customers require.



SCAN HERE TO VISIT OUR  
YOUTUBE CHANNEL

*"Correct surface preparation is key, prior to applying any coating or covering to a concrete substrate."*

*"Surface preparation is considered to be the most important step of any flooring application. Improper surface preparation could turn what seems to be a simple process into a lengthy difficult repair."*

## WHAT METHODS CAN BE USED IN SURFACE PREPARATION?

### Scabbling

Using compressed air to hammer pistons into the concrete, leaving a rough surface

### Scraping

Using a rapid, hammering action to increase production on all types of floor covering removal.

### Scarifying

Using loosely mounted cutters to remove material by a chipping action, with operator to controlled depth of cut. Various styles can be achieved with interchangeable assemblies for light or heavy stock removal.

### Grinding

Using horizontally rotating discs to level, smooth or clean concrete. They use a quick release diamond tooling system and provide a smoother finish than scarifiers and scabblers.

## TECHNICAL FEATURES AND INNOVATION



### Low Vibration

As those within the industry will be aware, permanent injury can result to the hands and arms from the vibration caused by operating powered equipment. Occasional exposure is unlikely to cause ill health, however regular and frequent exposure to Hand Arm Vibration (HAVS) needs to be managed in order to protect operators.

As a quality and responsible manufacturer, health and safety issues such as these, are a significant factor in Trelawny's design considerations for each tool and machine. We have developed a particular range of reduced vibration pneumatic hand tools, under our trademark Vibro-Lo™, in order to help protect the user from injury.

Furthermore, we fit our machines with a dead man's handle device and ensure that motor controls have "zero volt and thermal overload protection". Due to these safety precautions, our equipment counteracts the hazards of HAVS and stands at the forefront of the market with world leading designs of quality, efficiency and safety.

For further information on HAVS, please visit [www.hse.gov.uk/vibration](http://www.hse.gov.uk/vibration).



### Dust Control

The nature of our tools and machines is to remove surface coatings and as a consequence, this can create dust in the surrounding atmosphere. In order to combat this, we provide dust shrouds for all of our equipment, which when connected to vacuum dust collectors (also available from Trelawny SPT), enables the collection of dry dust and debris.

Our Tool and Vacuum System (TVS®) range of products has been designed specifically to ensure the recovery of lead based paint, radioactive contaminants and other hazardous and non-hazardous materials from the source of surface preparation equipment and hand tools, which further provides a safe and clean working environment.



### Non spark tools

In industries such as nuclear and steel preparation, our tools will often be used to carry out projects in hazardous and flammable environments. For such circumstances, we produce spark resistant copper beryllium needles and cutter heads.

This metal combines high strength with non-magnetic and non-sparking qualities to deliver a safe, yet efficient execution of the task at hand.



### ATEX

ATEX 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.



# SH RANGE



Low vibration options available



Dust control options available

The SH1 and VL SH1 single head scabblers are the ideal tools for roughing and preparing concrete in small areas such as concrete joints.

The VLSH1 low vibration model helps reduce the risk to operators of vibration related injuries.

The SH3 triple head scabblers are the ideal tools for roughening and preparing concrete in larger areas such as walls and columns.

The optional TVS® vacuum shroud allows the connection of an industrial dust collector for collecting nuisance and hazardous dust for protection of operators and environment.

Safety built in as standard.

## FEATURES

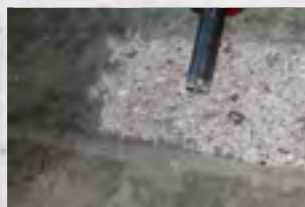
- Single or triple replaceable tough carbide tipped piston for fast production and long service life
- Side handle for greater control
- Triple head can be used in two configurations for standard and in-line operation to aid access to prepare narrow joints
- Optional short handle for accessing tight areas
- Simple and robust design for low and easy maintenance
- Short & inline handle shroud

## APPLICATIONS

- Removal of laitance
- Roughening and exposing aggregate
- Preparing joints and cracks
- Removing coatings
- Reduction and levelling



Reducing Levels on Concrete



Roughening Concrete



Concrete Preparation

## KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	612.5320	Single Piece Cruciform Piston Flatter surface profile, ideal for fast reduction of material
	612.5325	Single Piece Bush Piston Rough pitted profile, ideal for application of fresh concrete or coatings
	446.1620	SH1 Service Kit (Cruciform Piston) Consists of: - Valve Cap O'Ring, Valve Spring, Valve Stem, Valve Seat O'Ring, Throttle Lever, Spring Pin (1 each) - Screwed Cap, Compression Spring, Cap Spring, Brush Seal, Cruciform Piston (1 each)
	446.1625	SH1 Service Kit (Bush Piston) Consists of: - Valve Cap O'Ring, Valve Spring, Valve Stem, Valve Seat O'Ring, Throttle Lever, Spring Pin (1 each) - Screwed Cap, Compression Spring, Cap Spring, Brush Seal, Bush Piston (1 each)
	437.5100	Vacuum Shroud * Not available for low vibration models
	815.5550	Whip Check
	859.1555	½" BSP Inline lubricator
	458.1555	Whip Hose & Oiler Assembly Consists of whip hose, whip check and ½ Inline lubricator
	446.1630	SH3 Service Kit (Cruciform Pistons) Consists of: - Valve Cap O'Ring, Valve Spring, Valve Stem, Valve Seat O'Ring, Throttle Lever, Spring Pin (1 each) - Screwed Cap, Compression Spring, Cap Spring, Brush Seal, Cruciform Piston (3 each)
	446.1635	SH3 Service Kit (Bush Pistons) Consists of: - Valve Cap O'Ring, Valve Spring, Valve Stem, Valve Seat O'Ring, Throttle Lever, Spring Pin (1 each) - Screwed Cap, Compression Spring, Cap Spring, Brush Seal, Bush Piston (3 each)
	437.5300	Vacuum Shroud



## TECHNICAL DATA

Model	Part Number	Weight (kg)	Length (mm)	Working Height (mm)	Blows Per Minute (BPM)	Air Consumption (lps - cfm)	Noise Level (db (A))	Vibration Level (Aeq m/s²)
Low Vibration Single Scabblers Bush Hammer Head	196.5105	2.5	515	160	2900	4.25 - 9	91	4.50
Low Vibration Single Scabblers Cruciform Head	196.5100	2.5	515	160	2900	4.25 - 9	91	4.50
Single Scabblers Cruciform Head fitted with shroud	139.5192	2.7	485	160	2400	3.7 - 8	94	6.96
Triple Scabblers Side Handle Bush Hammer Head	153.5250	5.2	450	160	2400 x 3	7 - 15	98	8.7
Triple Scabblers Side Handle Cruciform Head	153.5200	5.2	450	160	2400 x 3	7 - 15	98	8.7
Triple Scabblers with Shroud Cruciform Head Short Handle	139.5390	5.2	380	160	2400 x 3	7 - 15	98	8.7
Triple Scabblers with Shroud Cruciform Head	139.5392	5.2	450	160	2400 x 3	7 - 15	98	8.7

# SC RANGE



**The SC1 is the most powerful single head scabber for heavy duty applications.**

The new cap design and replaceable cylinder sleeve make servicing even simpler.

**The SC3 is the most powerful triple head scabber for heavy duty applications.**

The new cap design and replaceable cylinder sleeve make servicing even simpler.

## FEATURES

- Single or triple replaceable tough carbide tipped piston for fast production and long service life
- Side handle for greater control
- Triple head can be used in two configurations for standard and in-line operation to aid access to prepare narrow joints
- Optional short handle for accessing tight areas
- Simple and robust design for low and easy maintenance

## APPLICATIONS

- Removal of laitance
- Roughening and exposing aggregate
- Preparing joints and cracks
- Removing coatings
- Reduction and levelling



Reducing Levels on Concrete



Roughening Concrete



Concrete Preparation

## KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	612.6000	Single Piece Cruciform Piston Flatter surface profile, ideal for fast reduction of material
	612.6010	Single Piece Bush Piston Rough pitted profile, ideal for application of fresh concrete or coatings
	446.1650	SC1 Service Kit (Cruciform Piston) Consists of: - Valve Cap O'Ring, Valve Spring, Valve Stem, Valve Seat O'Ring, Throttle Lever, Spring Pin (1 each) - Cylinder Sleeve, Cruciform Piston, Nylon Pad, Cylinder O'Ring (1 each)
	446.1655	SC1 Service Kit (Bush Piston) Consists of: - Valve Cap O'Ring, Valve Spring, Valve Stem, Valve Seat O'Ring, Throttle Lever, Spring Pin (1 each) - Cylinder Sleeve, Bush Piston, Nylon Pad, Cylinder O'Ring (1 each)
	815.5550	Whip Check
	859.1555	½" BSP inline lubricator
	421.3452	Whip Hose Consists of air hose 3/8" BSP claw - 2m
	458.1555	Whip Hose & Oiler Assembly Consists of whip hose, whip check and ½ lubricator
	446.1660	SC3 Service Kit (Cruciform Pistons) Consists of: - Valve Cap O'Ring, Valve Spring, Valve Stem, Valve Seat O'Ring, Throttle Lever, Spring Pin (1 each) - Cylinder Sleeve, Cruciform Piston, Nylon Pad, Cylinder O'Ring (3 each)
	446.1665	SC3 Service Kit (Bush Pistons) Consists of: - Valve Cap O'Ring, Valve Spring, Valve Stem, Valve Seat O'Ring, Throttle Lever, Spring Pin (1 each) - Cylinder Sleeve, Bush Piston, Nylon Pad, Cylinder O'Ring (3 each)

## TECHNICAL DATA

Model	Part Number	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> )
Heavy Duty Single Scabber Bush Hammer Head	151.6171	2.85	520	130	2800	5.6 - 12	98.5	9.40
Heavy Duty Single Scabber Cruciform Head	151.6170	2.85	520	130	2800	5.6 - 12	98.5	9.15
Triple Scabber Back Handle Bush Hammer Head	153.6151	4.8	460	220	2800 x 3	7.5 - 16	98.5	15.52
Triple Scabber Back Handle Cruciform Head	153.6150	4.8	460	220	2800 x 3	7.5 - 16	98.5	13.31

# VL LRS55

## POLE SCABBLER



Low vibration options available

The VL LRS55 is a powerful long reach scabbler for vertically preparing hard to reach areas.

At 1.4 metres in length it allows scabbling below the reinforcement bar.

The powerful blow quickly removes concrete without damaging the underlying substrate.

Vibro-Lo™ low vibration system fitted as standard, helping to reduce risks to operators of vibration related injuries.

Safety built in as standard.

### FEATURES

- Replaceable pin fit carbide tipped scabbling heads
- Long handle for extended reach into inaccessible areas
- Angled air inlet to direct hose away from operator
- Hand guard to protect operator

### APPLICATIONS

- Heavy scabbling of hard to access areas such as below re-inforcement bars and between shuttering
- Scabbling of corners, edges and joints
- Fast removal of material
- Aggressive keying without damaging the substrate



Scabbling Concrete



Concrete Removal



Texturing Concrete

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	441-5359	Scabbler Head 5 Point Bush Pin fit - including pin Rough pitted profile, ideal for application of fresh concrete or coatings
	441-5369	Scabbler Head 9 Point Bush Pin fit - including pin Rough pitted profile, ideal for application of fresh concrete or coatings
	441-5360	Scabbler Head Cruciform Pin fit - including pin Flatter surface profile, ideal for fast reduction of material
	446-5000	VL LRS55 Service Kit Consists of: - Valve Spring, Valve Seat O'Ring, Throttle Lever Roll Pin, Thrust Ring, Circlip, Spring, (1each) - Piston O'Ring, Wiper Seal, Valve Stem O'Ring, Piston Roll Pin (1 each) - Locking Pin, Centre Bar O'Ring (2 each)
	815-5550	Whip Check
	859-1580	3/4" BSP Inline Lubricator
	458-1580	Whip Hose & Oiler Assembly Consists of whip hose, whip check and 3/4" lubricator
	843-0752	3/4" Air Hose Complete with couplings 15m length

### TECHNICAL DATA

Model	Part Number	Weight (kg)	Length (mm)	Blows per minute (BPM)	Air Consumption (lps - cfm)	Vibration Level (Aeq m/s <sup>2</sup> )
VL LRS55 c/w 5 Point Scabbler Head	150-5320	21.5	1270	1300	11.6 - 24.6	4.2
VL LRS55 c/w 9 Point Scabbler Head	150-5321	21.5	1270	1300	11.6 - 24.6	4.2

Note: Can be converted to a pole compactor by changing the scabbler head with a compactor foot.

# VL LRS55

## POLE TAMPER



Low vibration options available

The VL LRS55 Pole tamper is a unique tool specifically designed for small area reinstatement tasks.

Developed in association with utility companies and conforming with the New Roads and Streets Works Act (UK), it is perfect for water, electric and gas companies.

The unique Vibro-Lo™ vibration damping system not only helps to protect the operator from vibration related injury it also ensures maximum control when working in tight, narrow trenches and around delicate utilities.

Safety built in as standard.

### FEATURES

- Replaceable pin fit compactor feet
- Unique vibration dampening system
- Angled air inlet to direct hose away from operator
- Hand guard to protect operator
- Secondary handle for improved controllability
- Lightweight and compact

### APPLICATIONS

- Small reinstatement around water meters and stopcocks
- Narrow trench work carried out by cable companies
- Compaction of tarmacadam or asphalt
- Compacting close to walls and street fittings
- Back fill small areas
- HAUC Compliant compacts up to 2.19 tonnes/m<sup>3</sup> Suitable for pathways & highway re-instatement.



Back Fill Compaction



Asphalt Compaction



Reinstatement Compaction

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	450.5017	Round Foot Compactor - 127 mm (5" Round) Pin fit
	450.5011	Square Foot Compactor - 100 x 100mm (4" x 4") Pin fit
	450.5013	Compactor Foot - 152 x 127mm (6" x 5") Pin fit
	450.5016	Compactor Foot - 100 x 200mm (4" x 8") Pin fit
	446.5000	VL LRS55 Service Kit Consists of: - Valve Spring, Valve Seat O'Ring, Throttle Lever Roll Pin, Thrust Ring, Circlip, Spring, (1each) - Piston O'Ring, Wiper Seal, Valve Stem O'Ring, Piston Roll Pin (1 each) - Locking Pin, Centre Bar O'Ring (2 each)
	815.5550	Whip Check
	859.1580	3/4" BSP Inline Lubricator
	458.1580	Whip Hose & Oiler Assembly Consists of whip hose, whip check and 3/4" lubricator
	843.0752	3/4" Air Hose Complete with couplings 15m length

### TECHNICAL DATA

Model	Part Number	Weight (kg)	Length (mm)	Blows per minute (BPM)	Air Consumption (lps - cfm)	Vibration Level (Aeq m/s <sup>2</sup> )
VL LRS55 c/w 5" Round Compactor Foot	150.5331	215	1270	1300	11.6 - 24.6	35
VL LRS55 c/w 4" x 4" Compactor Foot	150.5330	215	1270	1300	11.6 - 24.6	35
VL LRS55 c/w 6" x 5" Compactor Foot	150.5335	215	1270	1300	11.6 - 24.6	35
VL LRS55 c/w 5" Round Compactor Foot - Extended	150.5430	215	1670	1300	11.6 - 24.6	35

Note: Can be converted to a pole scabblers by changing the compactor foot with a scabblers head.

# LPS55

## POLE SCABBLER/TAMPER



The LPS55 is a powerful long reach scabblers for vertically preparing hard to reach areas.

At 14 metres in length it allows scabbling below the reinforcement bar.

The powerful blows quickly remove concrete without damaging the underlying substrate.

### FEATURES

- Replaceable pin fit carbide tipped scabbling heads
- Long handle for extended reach into inaccessible areas
- Angled air inlet to direct hose away from operator
- Hand guard to protect operator

### APPLICATIONS

- Heavy scabbling of hard to access areas such as below re-inforcement bars and between shuttering
- Scabbling of corners, edges and joints
- Fast removal of material
- Aggressive keying without damaging the substrate



Scabbling Concrete



Concrete Removal



Preparing Joints

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	441.5359	Scabblers Head 5 Point TCT Bush Pin fit - including pin Rough pitted profile, ideal for application of fresh concrete or coatings
	441.5369	Scabblers Head 9 Point TCT Bush Pin fit - including pin Rough pitted profile, ideal for application of fresh concrete or coatings
	441.5360	Scabblers Head Cruciform Pin fit - including pin Flatter surface profile, ideal for fast reduction of material
	450.5017	Round Foot Compactor - 127 mm (5" Round) Pin fit
	450.5011	Square Foot Compactor - 100 x 100mm (4" x 4") Pin fit
	450.5013	Compactor Foot - 152 x 127mm (6" x 5") Pin fit
	450.5016	Compactor Foot - 100 x 200mm (4" x 8") Pin fit
	815.5550	Whip Check
	859.1580	3/4" BSP Inline Lubricator
	458.1580	Whip Hose & Oiler Assembly Consists of whip hose, whip check and 3/4" lubricator
	843.0752	3/4" Air Hose Complete with couplings 15m length
	446.5000	Service Kit consists of: Bush TCT Pin Fit with Pin (1each), Valve Stem (1each), Spring Seat (1each) Spring Valve (1each), Valve Stem Seal O'Ring (1each), Valve Stem Seal O'Ring (1each) Centre Bar O'Ring (1each), Piston Roll Pin (1each), Wiper Seal (1each)

### TECHNICAL DATA

Model	Part Number	Weight (kg)	Length (mm)	Blows per minute (BPM)	Air Consumption (lps - cfm)	Vibration Level (Aeq m/s <sup>2</sup> )
LPS55 c/w 5 Point Scabblers Head	150.5001	134	1392	1300	11.6 - 24.6	38.60
LPS55 c/w 9 Point Scabblers Head	150.5002	134	1392	1300	11.6 - 24.6	38.60
LPS55 c/w 5" Round Compactor Foot	150.5031	134	1392	1300	11.6 - 24.6	38.60
LPS55 c/w 4" x 4" Compactor Foot	150.5030	134	1392	1300	11.6 - 24.6	38.60
LPS55 c/w 6" x 5" Compactor Foot	150.5021	134	1392	1300	11.6 - 24.6	38.60

SCABBLING

SCARIFYING

GRINDING & POLISHING

SURFACE STRIPPING

DESCALING

DUST CONTROL

ATEX APPROVED



# MHS5

## 5 HEAD CONCRETE FLOOR SCABBLER



**TVS®** Dust Shroud as Standard

The MHS5 is the heavy duty floor scabbler of choice for fast reduction of levels.

5 50mm (2") carbide tipped heads give 1300 powerful blows each producing a heavy key for application of fresh concrete and overlays.

Integrated TVS® vacuum shroud allows the connection of an industrial dust collector for collecting nuisance and hazardous dust.

Production rates in excess of 40 m<sup>2</sup> per hour.

### FEATURES

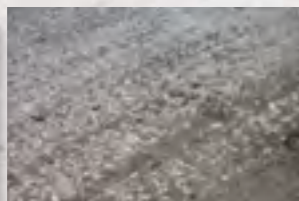
- 5 replaceable carbide tipped pin fit scabbling heads
- Height adjustable handle for operator comfort
- Heavy body gives control, performance and long service life
- Efficient design gives 45% lower air consumption than the main competition without sacrificing performance
- Fitted with Trelawny Vibro-Lo™ vibration damping system for operator comfort

### APPLICATIONS

- Fast reduction of levels
- Correct preparation for new applications of concrete
- Removal of heavy coatings
- Removal of contaminated materials and coatings with safe containment via standard fit Trelawny TVS® vacuum shroud



Laitance Removal



Surface Finish After Scabbling



Reducing High Spots

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	441.5360	Scabbler Head Cruciform Pin fit - including pin Flatter surface profile, ideal for fast reduction of material
	441.5359	5 Point Bush Hammer Scabbler Head Pin fit Rough pitted profile, ideal for application of fresh concrete or coatings
	441.5369	9 Point Bush Hammer Scabbler Head Pin fit Rough pitted profile, ideal for application of fresh concrete or coatings
	815.5550	Whip Check
	859.1580	3/4" BSP Inline Lubricator
	458.1580	Whip Hose & Oiler Assembly Consists of whip hose, whip check and 3/4" lubricator
	843.0752	3/4" Air Hose Complete with couplings 15m length

### TECHNICAL DATA

Model	Part Number	Weight (kg)	Length (mm)	Height (mm)	Width (mm)	Cutting Width (mm)	Blows per Minute (BPM)	Air Consumption (lps - cfm)	Noise Level (db (A) )	Vibration Level (Aeq m/s <sup>2</sup> )
MHS5 Floor Scabbler 5 Point Head	159.5050	114	1100	970	720	290	1300 x 5	38 - 80	94.7	16.5
MHS5 Floor Scabbler 9 Point Head	159.5075	114	1100	970	720	290	1300 x 5	38 - 80	94.7	16.5

# MHS11

## 11 HEAD CONCRETE FLOOR SCABBLER



Low vibration options available



Dust Shroud as Standard

Developed in conjunction with the 'CITB - Construction Industry Training Board'.

The MHS11 introduces a new concept in pneumatic floor scabblers. Using smaller heads with a 70% increase in BPM (Blows Per Minute) and a 30% reduction in air consumption, the MHS11 maximises productivity, efficiency, value and ergonomics, without compromise.

It's the perfect machine for fast removal of laitance, level reduction and profiling for new concrete and thick screeds and sealants.

Production rates in excess 30 m<sup>2</sup> per hour.

**Safety built in as standard.**

### FEATURES

- 11 replaceable carbide tipped scabbling heads for fast production and long service life
- 4,000 light blows per minute for fast production without damaging the underlying substrate
- Trelawny Vibro-Lo™ vibration reduction system for protection of operators
- Trelawny TVS shroud system included as standard for protection of operators and surrounding environment

### APPLICATIONS

- Removal of laitance, roughening, and reduction of levels
- Aggressive keying without damaging the substrate
- Removal of coatings
- Fast removal of hazardous coatings and contaminated materials with TVS® shroud system.



Concrete Scabbling



Fitted with Dust Shroud



Laitance Removal

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	612.0125	One Piece Piston, Tungsten Carbide Tipped, Bush Hammer Head To suit models 159.6050 and 159.6051
	446.6000	MHS11 Service Kit (1 Piece Piston) Consists of: Single Piece Piston, Brush Seal & O'Ring (11 each)
	437.0120	Vacuum shroud
	815.5550	Whip Check
	859.1580	3/4" BSP Inline Lubricator
	458.1580	Whip Hose & Oiler Assembly Consists of whip hose, whip check and 3/4" lubricator
	843.0752	3/4" Air Hose Complete with couplings 15m length

### TECHNICAL DATA

Model	Part Number	Weight (kg)	Length (mm)	Height (mm)	Width (mm)	Cutting Width (mm)	Blows per Minute (BPM)	Air Consumption (lps - cfm)	Noise Level (db (A))	Vibration Level (Aeq m/s <sup>2</sup> )
MHS11 One Piece Bush Piston	159.6050	70	340	1290	285	250	2200 x 11	26 - 55	97	5.0
MHS11 One Piece Bush Piston c/w Shroud	159.6051	72	340	1290	285	250	2200 x 11	26 - 55	97	5.0
MHS11 Two Piece Bush Piston c/w Shroud	159.6000	72	340	1290	285	250	2200 x 11	26 - 55	97	5.0
MHS11 Two Piece Cruciform Piston c/w Shroud	159.6100	72	340	1290	285	250	2200 x 11	26 - 55	97	5.0

## HOW THEY WORK

Scabblers are percussive pneumatic tools (driven by a portable air compressor) using carbide tipped cutting heads that impact the concrete. They operate by pounding a number of tipped cutters down onto the concrete surface in rapid succession. It takes several passes with the machine to achieve the desired depth.

Scabblers are available in a range of sizes from small hand held tools to multi-head floor machines.

Scabblers leave a rough heavy profile.



## APPLICATIONS

You would use scabblers to:

- Prepare surfaces for application of fresh concrete, grout, mortars and renders without damaging the substrate
- Reduce concrete levels over 6mm
- Remove very thick coatings
- Remove laitance
- Expose aggregate
- Rectify over poured slabs
- Create a heavy profile where material requires a heavy mechanical key



## ATTACHMENT OPTIONS

2 types of cutter heads are available for the Trelawny range of scabblers.

### Bush Hammer Heads

Use carbide tips to produce a rough pitted profile exposing aggregate and providing a strong mechanical key for the application of fresh concrete or coatings.

### Cruciform Heads

Use carbide tips in cross shape to produce a cutting action leaving a flatter surface profile ideal for fast reduction of material.



## HINTS & TIPS

Air tools are potentially dangerous, always ensure tools and machines are kept well maintained, torque settings are adhered to, correct fittings and safety whip checks are used and correct air pressure is maintained.

Correct air pressure should be used to ensure optimum performance of the tool and reduce premature wear and tear.

Allow the tool to do the work, putting excess pressure on the head will not allow the heads to reach their full extension potentially stalling the tool and reducing performance.

Scabblers are the ideal machines for heavy duty preparation of concrete, being fast and aggressive in their application.



SCARIFYING

# TFP200

## FLOOR SCARIFIER



**TVS** Dust control options available

The smallest in the TFP range of scarifiers the TFP200 is perfect for small to medium jobs.

The rigid steel chassis ensures a strong, stable machine suitable for accurate surface preparation of concrete and steel surfaces, removing coatings, levelling and texturing.

The TFP200 is also our most popular machine for equipment hire fleets, a versatile range of power options together with simple operation and maintenance makes it the machine of choice for a demanding industry.

### FEATURES

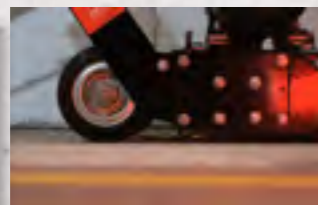
- 200mm cutting width
- Easy to use, maintain and manoeuvre
- Precise screw type cutter height adjustment for accurate removal and milling
- Angled dust port allows connection of industrial dust collector giving virtually dust free performance
- Choice of electric, petrol and pneumatic power sources for operation in a wide range of applications

### APPLICATIONS

- Removal of rust, coatings and scale from steel structures and surfaces
- Weld cleaning and slag removal
- Cleaning of cast iron, steel pipe and bell joints of gas lines maintained by utilities and gas companies
- Mixers, formwork and machinery
- Cleaning concrete for repair



Coating & Corrosion Removal



Roughening Concrete



Use in Floor Preparation

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	320.5500	Tungsten Carbide Tipped Cutters For all concrete texturing, scabbling, planing and grooving applications
	320.4140	Spacers Used to create a gap in between TCT cutters
	320.3658	Star Cutters For the removal of paint, coatings and laitance. Deck descaling
	320.5120	Beam Cutters For the removal of paint, coatings, laitance, grease, dirt and ice deposits. Deck descaling
	320.5600	Milling Cutters For the removal of thermoplastic road and runway markings, bituminous and rubber deposits.
	320.9620	Wire Brush For general cleaning and removal of light surface rust.

Note: Please see page xx for detailed information on the full TFP200 accessories range.

### TECHNICAL DATA

Model	Part Number	Weight (Kg)	Power (HP - kW)	Voltage (v)	Cycle (Hz)	Cutter Speed (RPM)	Plug Size	Transformer Size	Cable Size (mm)	Cable Length	Engine Type	Air Consumption	Vibration Level (Aeq m/s <sup>2</sup> )
TFP200 Petrol TCT	320.2400T	64	5.5 - 41	-	-	1833	-	-	-	-	Honda GX160	-	6.9
TFP200 110v TCT	320.2402T	68	3 - 2.2	110	50	1650	32Amp	3 Kva*	2.5 - 4core	15 - 30m	-	-	4.4
TFP200 230v TCT	320.2404T	68	3 - 2.2	230	50 / 60	1650	16Amp	-	Min 2.5core	30m max	-	-	4.4
TFP200 400v TCT	320.2406T	68	3 - 2.2	400	50 / 60	1650	16Amp	-	Min 2.5core	30m max	-	-	4.4
TFP200 110v TCT	320.2416T	68	3 - 2.2	110	60	1650	32Amp	3 Kva*	2.5 - 4core	15 - 30m	-	-	4.4
TFP200 Air TCT	320.2412T	45	3.5 - 2.6	-	-	1528	-	-	-	-	-	78lps - 165cfm	4.4

### DIMENSIONS

Working Width (mm)	Length (mm)	Width (mm)	Height (mm)	Maximum Cutting Depth (mm)	Working Distance from Wall (mm)	Vacuum Take Off Diameter (mm)
200	900	350	900	3	55	50

- \*Trelawny recommends the use of a minimum 5 Kva continuous rated centre tap transformer with their 110v machines.  
- All part numbers specified above are for machines complete with 5 point tungsten carbide tipped (TCT) cutters.  
For machines requiring alternative cutting media please specify.

# TFP260

## FLOOR SCARIFIER



Reducing Levels on Concrete



Roughening Concrete



Use with A45 Dust Collector

**TVS** Dust control options available

The TFP260 is a heavy duty machine for medium to large jobs.

Increased weight and power give exceptional performance for a machine in this segment.

Robust chassis construction and a heavy duty double web cutter drum ensure the TFP260 keeps working on the toughest of surface preparation jobs.

The quick lift drum mechanism gives additional control to the operator.

### FEATURES

- 250mm cutting width
- Tough 8mm welded steel construction for added weight and strength
- Precise screw type height adjustment with quick lift drum lever for accurate working and operator control
- Angled dust port allows connection of industrial dust collector giving virtually dust free performance

### APPLICATIONS

- Suitable for medium to large jobs
- Removal of hard coatings
- Levelling and removing layers of hard materials
- Removing painted lines

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	320.7009	Tungsten Carbide Tipped Cutters For all concrete texturing, scabbling, planing and grooving applications
	326.3658	Star Cutters For the removal of paint, coatings and laitance. Deck descaling
	326.5120	Beam Cutters For the removal of paint, coatings, laitance, grease, dirt and ice deposits. Deck Descaling
	320.5680	Milling Cutters For the removal of thermoplastic road and runway markings, bituminous and rubber deposits.
	320.4160	Spacers Used to create a gap in between cutters.

- Note: Please see page 37 for detailed information on the full TFP260 accessories range.

### TECHNICAL DATA

Model	Part Number	Weight (Kg)	Power (HP - kW)	Voltage (v)	Cycle (Hz)	Cutter Speed (RPM)	Plug Size	Cable Size (mm)	Cable Length (m)	Engine Type	Vibration Level (Aeq m/s <sup>2</sup> )
TFP260 Petrol	3262000T	1475	8 - 6	-	-	1850	-	-	-	Honda GX240	8.8
TFP260 400v	3262006T	1475	7.5 - 5.5	400	50/60	1850	16 Amp 5 pin	Min. 2.5 core	30m	-	2.4

### DIMENSIONS

Working Width (mm)	Length (mm)	Width (mm)	Height (mm)	Maximum Cutting Depth (mm)	Working Distance from Wall (mm)	Vacuum Take Off Diameter (mm)
250	1010	480	1080	6	75	50

All part numbers specified above are for machines complete with 8 point tungsten carbide tipped (TCT) cutters. For machines requiring alternative cutting media please specify.

# TFP350

## FLOOR SCARIFIER

COMING SOON



Low vibration options available



Dust control options available



ATEX Certified

Breaking new ground in ease of operation and deployment.

Tungsten carbide tipped cutters covering 350mm cutting width, configurable for multiple applications and surface profiles.

350mm shaving width, using diamond blades developed specially to offer variable shaving, level reduction, grooving and profiling applications.

Dual independent motor drive and digital interface.

Deployment of a TFP350 Dual Capability Machine to any construction environment provides the assurance that any floor surface rectification task can be addressed with an instant solution. The TFP350 brings improved profit and reduced risk to your business via a simplicity of design and purposeful performance.

Safety built in as standard.

### FEATURES

- 350mm drum width
- All Electric Drive
- Dual Function Kits Available
- Wired remote
- Easy deployment
- Compact design
- CFD optimised dust extraction

### APPLICATIONS

- Suitable for medium to large jobs
- Removal of hard coatings
- Levelling and removing layers of hard materials
- Removing painted lines



Remote operation



Lights and lasers



Drum changeover

### KEY CONSUMABLES & ACCESSORIES

Part Number	335.2006	335.2000	335.2008
Supply	Electric (415V, 32Amp, 50/60Hz)	Petrol	Diesel
Power Output	7.5 / 11KW	13HP	13HP
Cutting Width		350mm	
Cutting Speed (Scarifier)		1000 RPM	
Cutting Speed (Shaver)		3000 RPM	
Shaver Disc Diameter		230mm (9")	
Dust Hose Connection		50mm	
Operating Dimensions		1200mm (L) x 1206 (H) x 639 (W)	
Storage Dimensions		940mm (L) x 1030 (H) x 639 (W)	
Weight	260kg	240kg	240kg

### EASE OF USE

Designed for intuitive, single person operation with minimal training.

**Warning indicators to prevent misuse or overload.**

**Wired remote operation for improved worker visibility and safety.**

**Optimised weight for operation and transportation.**

**Built for on site tooling changeover.**

**Easily manoeuvrable with a quick release drop down carriage system.**

### PRODUCTIVITY

Fault avoidance with run time meter and amperage draw warning systems integrated onboard.

**Ease of deployment via foldable size only 640 x 800 x 900mm.**

**Digital speed and depth control, by mm increments.**

**Designed for minimal down time.**

**Onboard Lighting and laser line system.**

**CFD optimised with Trelawny Vacuum System.**

### YOUR PROFIT GENERATOR

The TFP350 brings improved profit and reduced risk to your business via a simplicity of design and purposeful performance.

**Save money with one machine with Dual capability.**

**Save money ensuring the first pass is the only pass.**

**Save money fast and simple deployment to site of the lightest 350mm wide machine.**

**Save money with High M2 coverage.**

**Save Money with reduced risk of misuse.**

### DESIGN

Breaking new ground in ease of operation and deployment.

**Tungsten Carbide Tipped cutters covering 350mm cutting width, configurable for multiple applications and surface profiles.**

**350mm shaving width, using diamond blades developed specially to offer variable shaving, level reduction, grooving and profiling applications.**

**Dual independent motor drive and digital interface.**














**TFP350 SCARIFIER**  
**190M<sup>2</sup> PER HOUR**  
**8MM DEPTH OF CUT**

**TFP350 SHAVER**  
**20MM DEPTH OF CUT**  
**95M<sup>2</sup> PER HOUR SHAVING\***




## 200MM FLOOR SCARIFIER CONSUMABLES AND ACCESSORIES

Image	Part Number	Description	Further Information
	320.002H	Heavy Duty Drum Complete with 12mm shafts	Fitted as standard on all TFP200 machines
	320.002G	Heavy Duty Grooving Drum Complete with 12mm shafts	Ideal for creating a grooved profile in concrete
	320.0020	Cutter Shafts 12mm Diameter	4 Pieces required per drum
	320.5500	Tungsten Carbide Tipped Cutters 5 tips	80 Pieces required per drum
	320.7006	Tungsten Carbide Tipped Cutters 6 tips	80 Pieces required per drum
	320.3658	Star Cutters	208 Pieces required per drum
	320.5120	Beam Cutters	264 Pieces required per drum
	320.5650	Millings Cutters	Half the size of a standard Milling cutter
	320.5600	Millings Cutters	24 Pieces required per drum
	320.4140	Spacers Used to create a gap in between cutters	88 Pieces required per drum - TCT 232 Pieces required per drum - Grooving 72 Pieces required per drum - Milling
	320.1020ST	Drum Assembly TCT Cutters	Consists of drum, 4 12mm Shafts, 80 TCT Cutters & 88 Spacers
	320.1020G	Drum Assembly TCT Grooving	Consists of drum, 4 12mm Shafts, 24 TCT Cutters & 232 Spacers
	320.1020SS	Drum Assembly Star Cutters	Consists of drum, 4 12mm Shafts & 208 Star cutters
	320.1020SB	Drum Assembly Beam Cutters	Consists of drum, 4 12mm Shafts & 264 Beam cutters
	320.1020SM	Drum Assembly Milling Cutters	Consists of drum, 4 12mm Shafts & 28 Milling cutters
	320.9620	Drum Assembly Twisted Knot Wire Brush	Consists of drum & twisted wire brush
	320.9610	Drum Assembly Crimped Wire Brush	Consists of drum & crimped wire brush

## 250MM FLOOR SCARIFIER CONSUMABLES AND ACCESSORIES

Image	Part Number	Description	Further Information
	326.06DW	Heavy Duty Double Web Drum Complete with 16mm shafts	Fitted as standard on all TFP260 machines
	326.060G	Heavy Duty Grooving Drum Complete with 16mm shafts	Ideal for creating a grooved profile in concrete
	326.0016	Cutter Shafts 16mm Diameter	6 Pieces required per drum
	320.7009	Tungsten Carbide Tipped Cutters 8 tips	123 Pieces required per drum
	326.3658	Star Cutters t	342 Pieces required per drum
	326.5120	Beam Cutters	332 Pieces required per drum
	320.5680	Millings Cutters	60 Pieces required per drum
	320.4160	Spacers Used to create a gap in between cutters	129 Pieces required per drum - TCT 224 Pieces required per drum - Grooving
	326.1016ST	Drum Assembly TCT Cutters	Consists of Drum, 6 16mm Shafts, 123 TCT Cutters & 129 Spacers
	326.1016GT	Drum Assembly TCT Grooving	Consists of Drum, 6 16mm Shafts, 36 TCT Cutters & 224 Spacers
	326.1016DS	Drum Assembly Star Cutters	Consists of Drum, 6 16mm Shafts & 342 Star Cutters
	326.1016DB	Drum Assembly Beam Cutters	Consists of Drum, 6 16mm Shafts & 332 Beam Cutters
	326.1016DM	Drum Assembly Milling Cutters	Consists of Drum, 6 16mm Shafts, & 60 Milling Cutters

## ELECTRICAL ACCESSORIES

Image	Part Number	Description
	669.3125	110v Power Cable 15 metres
	669.3150	230v Power Cable 50 metres
	669.3175	400v Power Cable 50 metres

## HOW THEY WORK

Scarifiers, also called surface planers or milling machines, use a drum of multi-tipped cutters (flails) which rotate at high speed, impacting the surface to provide an aggressive "cut" to the surface. You can choose from many different styles of interchangeable cutter assemblies to achieve the profile you need for each job.

The Trelawny TFP Scarifier range all come with an integrated height adjustment for varying depths of cut. The range offers varying sizes from light duty machines to heavy duty hydraulically driven versions. Quick change drum designs on all models allow you to switch or replace cutters in minutes.



## APPLICATIONS

A variety of interchangeable cutters and drum setups allow scarifiers to perform a broad range of profiling tasks.

### Applications include:

- Removing coatings over 1mm thickness such as screeds, old coatings, adhesives and contaminates.
- Concrete reduction and levelling due to incorrect floor levels.
- Grooving and profiling for non-slip applications such as car parking ramps.
- Provide a textured finish.
- Remove line markings and remove trip hazards.



## CUTTER OPTIONS

Most cutters are made of tungsten carbide or hardened steel and come in a range of styles to suit different applications.

You can choose from different diameters and widths, number of cutting teeth, and tip styles (blunt or flat for aggressive removal, sharp for gentler scarifying action, or angled for scraping).

Please see page xx for further information on individual cutters and applicable applications.



## HINTS & TIPS

Sometimes it's better to do the required cut in two or more passes, taking the level down gradually gives a better, more even finish and more importantly increases the life span of the cutters, shafts and bearings.

Varying the spacing of the cutters helps achieve different finishes – Spacing the cutters further apart will create a coarser profile, closer together will give a smoother finish.

Always plane in straight lines, when doing the second passes plane at right angles to your original pass.

If you require a smoother finish for application of a thin coating consider the use of a Trelawny concrete grinder after scarifying.



## KEY CONSUMABLES & ACCESSORIES

The Trelawny TFP range of floor scarifiers are designed to cover a wide range of applications by simply changing the accessory on the bottom of the machine. The following application chart identifies which accessory to use on your current application...

- Key to the guide: ★★★★★ Best method to produce maximum performance or productivity rates for most job applications.  
 ★★★ Satisfactory performance or productivity rates for most job applications.  
 ★ Non-satisfactory (or less satisfactory) performance productivity rates for most job application.



TCT Cutters



TCT Cutters (Grooving)



Milling Cutters



Star Cutters



Beam Cutters



Wire Brush

Preparation Guide	← Heavy Scarifying   Light Scarifying →					
Roughing / keying texturing concrete. Removal of laitance excess concrete or asphalt			★★★★	★★		
Removal of paint, dirt build up, & ice deposits from concrete floors	★		★	★★★★	★★	
Concrete grooving applications for non slip surfaces			★★★★			
Removal of thermoplastic road, runway markings	★★		★★★★	★	★★	
Removal of roofing felts, bituminous & rubber deposits	★★		★★	★★★★		
Removal of heavy rust & Scale build up in tanks & deck areas	★★★★			★★	★★	
Removal of non-slip paints, epoxies, mastics & rubberised coatings from steel tanks & deck areas	★★			★★★★	★	
Removal of paints & coatings from tanks & deck areas	★			★★	★★★★	
Bright metal & light rust removal from tanks & deck areas					★★	★★★★
Comments	Best for roughing concrete. Aggressive on heavy corrosion. Least favourite for light duty scale and paint removal.	Ideal for concrete grooving of farmyards, public highways, to create non-slip surfaces.	Removal of plastic road markings without penetrating the surface.	Good for the removal of mastics & rubberised coatings, faster cutter wear due to star points	Best for light paint/corrosion removal as they minimize the damage to surface substrate.	Best for finish cleaning & polishing on steel. Can be used for light concrete deposit. Removal from steel shuttering

SCABBING  
SCARIFYING  
GRINDING & POLISHING  
SURFACE STRIPPING  
DESCALING  
DUST CONTROL  
ATEX APPROVED





# GRINDING & POLISHING

# TCG250

## 250MM SINGLE HEAD GRINDER



**TVS** Dust control options available

The TCG250 is a heavy duty single head grinder for levelling and preparation of small to medium areas.

The flexible grinding head ensures maximum contact and usage of the diamond while working over rough surfaces.

A robust design and optimised grinding pressure while maintaining overall compactness together with manoeuvrability make the TCG250 the choice for a wide range of jobs. It is the ideal partner for both specialist contractors and the hire industry.

A flexible range of tooling options complete the perfect package providing a versatile solution to many grinding applications.

### FEATURES

- 250mm grinding diameter
- Optimised grinding pressure and speed for high productivity
- Angled dust port for virtually dust free working
- Available with Trelawny quick release tooling (QR) for a wide range of applications
- Optional weight for more aggressive production
- Heavy weight construction but compact for excellent performance with easy manoeuvrability

### APPLICATIONS

- Suitable for small and medium jobs
- Fast levelling of high spots
- Removal of coatings and adhesives
- Preparation for new coatings
- Repairing rain damaged concrete
- Polishing of concrete and other materials



Coatings Removal



Grinding Concrete



Use with A22 Dust Collector

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	See Page 52	Diamond Discs Please see page 52 for full options
	350.5660	6 Segment Quick Release Plate For use with Trelawny QR Diamond tooling
	345.2012	Additional Weight Adds 9.35kg to machine weight
	669.3125	110v Power Cable 15 metres
	669.3150	230v Power Cable 50 metres
	669.3175	400v Power Cable 50 metres

### TECHNICAL DATA

Model	Part No.	Weight (kg)	Fitted With	Disc Speed (rpm)	Output Power (Hp - kW)	Voltage (v)	Cycle (Hz)	Plug Size (Amp)	Cable Size (mm)	Cable Length (m)	Engine Type	Vibration Level (Aeq m/s <sup>2</sup> )
TCG250 Petrol	345.2000D	90	Diamond Disc	1070	5.5 - 41	-	-	-	-	-	Honda GXV160	6.35
TCG250 Petrol	345.2400QR	90	QR Plate	1070	5.5 - 41	-	-	-	-	-	Honda GXV160	6.35
TCG250 110V	345.2002D	90	Diamond Disc	953	2.5 - 18	110	50	32	2.5 to 4	15 - 30	-	1.25
TCG250 110V	345.2402QR	90	QR Plate	953	2.5 - 18	110	50	32	2.5 to 4	15 - 30	-	1.25
TCG250 230V	345.2004D	90	Diamond Disc	1385	3 - 2.2	230	50/60	16	min 2.5	30	-	0.91
TCG250 230V	345.2404QR	90	QR Plate	1385	3 - 2.2	230	50/60	16	min 2.5	30	-	0.91
TCG250 400V	345.2006D	90	Diamond Disc	1675	7 - 5.5	400	50/60	16	min 2.5	30	-	2.34
TCG250 400V	345.2406QR	90	QR Plate	1675	7 - 5.5	400	50/60	16	min 2.5	30	-	2.34

### DIMENSIONS

Grinding Width (mm)	Disc Size (mm)	Length (mm)	Width (mm)	Height (mm)	Vacuum Take Off Dia. (mm)
250	250	1100	450	980	50

Note: Trelawny recommends the use of a minimum 5 Kva continuous rated centre tap transformer with their 110V machines.  
Note: Please see page xx for the full range of Diamond grinding tools available for the TCG250

# TCG500

## 500MM TWIN HEAD FLOOR GRINDER



**TVS™** Dust control options available

The TCG500 is the workhorse of choice for contractors looking for a reliable, productive floor grinder.

Dual counter rotating grinding heads ensure balanced operation while the flexible disc coupling ensures maximum contact and usage of the diamond while working over rough surfaces.

The additional weight system and flexible tooling allow fine adjustment of performance and make the TCG500 a versatile package for a wide range of applications.

### FEATURES

- 500mm grinding width
- Dual dust ports for virtually dust free working
- Available with Trelawny Quick Release tooling (QR) for a wide range of applications
- Additional weights for increased production
- Trelawny Vibro-Lo™ vibration reduction for operator comfort and safety
- Available in a wide range of electric and petrol options

### APPLICATIONS

- Suitable for medium to large jobs
- Levelling and smoothing of concrete
- Removal of coatings and adhesives
- Preparation for new coatings
- Repairing rain damaged concrete
- Polishing of concrete and other materials



Polishing Concrete Floors



Removing High Spots



Cleaning Paving

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	See Page 52	Diamond Disc Please see page 52 for full options		350.5525	Scarifying Block 3 Required Per Plate
	350.5660	6 Segment Quick Release Plate For use with Trelawny QR Diamond tooling		350.5575	Diamond Grinding Block 3 Required Per Plate
	350.00CDL 350.00CDR	Left Hand Grinding Block Mounting Plate Right Hand Grinding Block Mounting Plate		350.5502	Hardwood Wedge 3 Required Per Plate
	350.5505 350.5507 350.5509	Fine Abrasive Block Medium Abrasive Block Coarse Abrasive Block		350.9135	Additional Weights 2 required Per Machine Adds 35kg to machine weight
	350.5519	Wire Brush 3 Required Per Plate		669.3125 669.3150 669.3175	110v Power Cable - 50 metres 230v Power Cable - 50 metres 400v Power Cable - 50 metres

### TECHNICAL DATA

Model	Part No.	Weight (kg)	Fitted With	Disc Speed (rpm)	Output Power (Hp - kW)	Voltage (v)	Cycle (Hz)	Plug Size (Amp)	Cable Size (mm)	Cable Length (m)	Engine Type	Vibration Level (Aeq m/s <sup>2</sup> )
TCG500 Petrol	350.2000AD	150	Diamond Discs	360	5.5 - 4.1	-	-	-	-	-	Honda GXV160	2.09
TCG500 Petrol	350.2400ORA	150	QR Plate	360	5.5 - 4.1	-	-	-	-	-	Honda GXV160	2.09
TCG500 Petrol	350.2000BD	179	Diamond Discs	360	11 - 8.2	-	-	-	-	-	Honda GXV340	2.09
TCG500 Petrol	350.2400ORB	179	QR Plate	360	11 - 8.2	-	-	-	-	-	Honda GXV340	2.09
TCG500 110V	350.2002D	114	Diamond Discs	360	3 - 2.2	110	50	32	2.5 to 4	15 - 30	-	1.6
TCG500 110V	350.2402OR	114	QR Plate	360	3 - 2.2	110	50	32	2.5 to 4	15 - 30	-	1.6
TCG500 230V	350.2004D	114	Diamond Discs	360	3 - 2.2	230	50/60	16	min 2.5	30	-	1.6
TCG500 230V	350.2404OR	114	QR Plate	360	3 - 2.2	230	50/60	16	min 2.5	30	-	1.6
TCG500 400V	350.2006D	121	Diamond Discs	360	7.4 - 5.5	400	50/60	16	min 2.5	30	-	1.6
TCG500 400V	350.2406OR	121	QR Plate	360	7.4 - 5.5	400	50/60	16	min 2.5	30	-	1.6

### DIMENSIONS

Grinding Width (mm)	Disc Size (mm)	Length (mm)	Width (mm)	Height (mm)	Vacuum Take Off Dia. (mm)
590	250 x 2	1220	660	914	50

Note: Trelawny recommends the use of a minimum 5 Kva continuous rated centre tap transformer with their 110V machines.  
Note: Please see page xx for the full range of Diamond grinding tools available for the TCG500

## HOW THEY WORK

Floor grinders use a horizontal rotating disc to perform a multitude of tasks, commonly fitted with diamonds or other hard abrasives to level, smooth and clean the surface.

Ranging in size from single-disc units for working in small or restricted areas to dual and triple disc machines for high production grinding of large slabs.

All Trelawny machines are equipped with vacuum ports for dust-free dry grinding and include a water attachment for wet grinding options.



## APPLICATIONS

Grinders can serve multiple functions and are generally more adaptable than other types of surface prep equipment, especially when it comes to decorative work. They are a good solution for profiling floors before application of thin coatings or paints because they won't create ridges in the surface, where a scarifier will.

Other applications include breaking up deposits of grease, dirt and industrial contaminants and levelling uneven joints or high spots. Many contractors also use grinders with finer-grit abrasives to polish concrete surfaces.

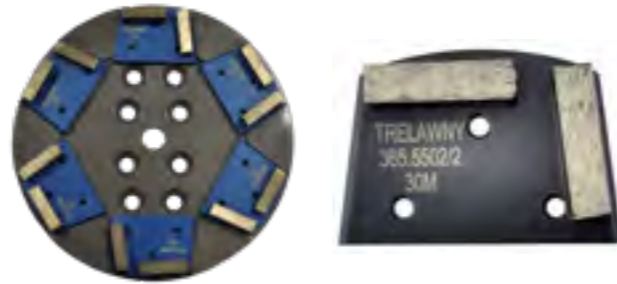


## ATTACHMENT OPTIONS

Investing in an assortment of attachments for your grinder will maximize its versatility and allow you to perform a broader range of tasks with one machine.

Trelawny offer a complete range of diamond tooling in various grit levels, ranging from fine to coarse, and with different bond hardnesses, shapes and diamond concentrations, allowing you to match the tool to your project requirements.

Please see page 39 for further information on the Trelawny range of diamond tooling.



## HINTS & TIPS

When operating the TCG grinders gently sway the machine from side to side in order to create an even finish.

TPG planetary grinders should be used in straight lines, the unique planetary action helps to create a flat, even finish without scratches.

Consider a different bond of diamond – soft bonds are for hard concrete and hard bonds for soft concrete – If the diamond performance drops off this may be because they have "glazed" meaning the diamonds are less exposed and become ineffective.

For heavy removal more than 2-3mm consider using a scarifier first.






## FLOOR GRINDER ACCESSORIES APPLICATION GUIDE

The Trelawny TCG range of floor grinders are designed to cover a wide range of applications by simply changing the accessory on the bottom of the machine. The following application chart identifies which accessory to use for your current application.





	PCDs	16 Grit Soft Bond Diamond	30 Grit Soft Bond Diamond	30 Grit Medium Bond Diamond	30 Grit Hard Bond Diamond	60 Grit Diamond	120 Grit Diamond	Resin Polishing Pads	
Very fine grinding of concrete floors	-	-	-	-	-	-	✓	-	
Fine grinding of concrete floors	-	-	-	-	-	✓	-	-	
Medium grinding of concrete floors	-	-	✓	✓	✓	-	-	-	
Coarse grinding of concrete floors	-	✓	-	-	-	-	-	-	
Prepare for application of vinyl or tiled floors	-	-	✓	-	-	-	-	-	
Remove Polyurethanes	✓	✓	✓	-	-	-	-	-	
Remove Epoxies	✓	✓	✓	-	-	-	-	-	
Remove adhesive, bitumen, carpet backing	✓	✓	-	-	-	-	-	-	
Remove ice & oil build up	✓	-	-	-	-	-	-	-	
Grind Asphalt	-	-	-	-	✓	-	-	-	
Polish Concrete	-	-	-	-	-	-	-	✓	
Comments	Ideal for the removal of soft sticky materials and build ups. Can also be used for removing very hard and thick coatings if 16/30 grit diamonds are not productive		Coarse diamond suitable for grinding off coatings. Will also produce coarser profile for application of thicker coatings		Best for most normal grinding applications for levelling and preparation for new coatings. Normally first step in polishing process if no heavy remedial work is required  Soft Bond – for hard concrete Medium Bond – For medium hard concrete Hard bond – for soft/green/rain damaged concrete  For very rough concrete use hard bond single segment first		Leaves a smooth fine surface suitable as a finished floor or before application of thin coatings. Removes scratches from 60 grit diamonds and leaves a very fine finish. used before resin bond polishing pads		Used to produce final polished floor, available in range of grits as part of multi step polishing process.






## DIAMOND DISCS

Image	Part Number	Description
	350.5610RA 350.5616RA 350.5620RA	10 Segment Soft Bond Grinding Disc 16 Segment Soft Bond Grinding Disc 20 Segment Soft Bond Grinding Disc
	350.5610B 350.5616B 350.5620B	10 Segment Medium Bond Grinding Disc 16 Segment Medium Bond Grinding Disc 20 Segment Medium Bond Grinding Disc
	350.5610R 350.5616R 350.5620R	10 Segment Hard Bond Grinding Disc 16 Segment Hard Bond Grinding Disc 20 Segment Hard Bond Grinding Disc


## REMOVAL DIAMONDS

Image	Part Number	Description
	365.5495L	PCD Removal Diamond Anti Clockwise For removal of coatings, adhesives & toppings
	365.5495R	PCD Removal Diamond Clockwise For removal of coatings, adhesives & toppings
	365.5500	16 Grit Single (Quick Release) Soft Bond For very coarse grinding and thin coatings removal
	365.5500/2	16 Grit Double (Quick Release) Soft Bond For very coarse grinding and thin coatings removal







## GENERAL GRINDING AND LEVELLING

Image	Part Number	Description
	365.5501	30 Grit Single (Quick Release) Soft Bond For hard concrete
	365.5502	30 Grit Single (Quick Release) Medium Bond For medium hardness Concrete
	365.5503	30 Grit Single (Quick Release) Hard Bond For soft concrete or very rough concrete
	365.5501/2	30 Grit Double (Quick Release) Soft Bond For hard concrete
	365.5502/2	30 Grit Double (Quick Release) Medium Bond For medium hardness concrete
	365.5503/2	30 Grit Double (Quick Release) Hard Bond For soft concrete or very rough concrete




## FINE GRINDING

Image	Part Number	Description
	365.5504/2	70 Grit Double (Quick Release) Medium Bond For Light Grinding/Scratch Removal
	365.5506/2	120 Grit Double (Quick Release) Medium Bond For Light Grinding/Scratch Removal

## POLISHING TOOLS

Image	Part Number	Description
	365.5605	50 Grit Hybrid
	365.5610	100 Grit Hybrid
	365.5620	200 Grit Hybrid
	365.5602A	200 Grit Resin Bond
	365.5604A	400 Grit Resin Bond
	365.5608A	800 Grit Resin Bond
	365.5618A	1500 Grit Resin Bond
	365.5635A	3000 Grit Resin Bond

## ACCESSORIES

Image	Part Number	Description
	365.5725	3 Segment Quick Release Diamond Plate (Set of 3) For use with The Trelawny TPG Floor Grinders
	350.5660	6 Segment Quick Release Diamond Plate For use with The Trelawny TCG Floor Grinders
	350.5666	Polishing Plates Used to attach the "Polishing tools" to the Quick Release Plate



SURFACE GRINDING STRIPS

# TFS230

## 230MM FLOOR STRIPPER



### The most robust floor stripper in its class

The TFS230 is the latest addition to the surface stripping range, developed to suit various applications and withstand rough site use.

Its features ensure high performance stripping, easy operation and transportation. The operator's comfort and safety is at the heart of the design.

### FEATURES

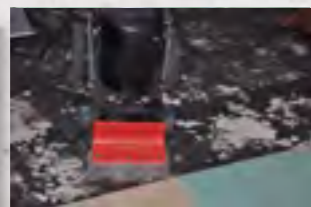
- Kinetic slide mechanism for a rapid and precise movement for high performance stripping
- Robust construction with sealed under carriage
- Height adjustable handle
- 4 position foot pedal
- 2 easy access greasing points for on site maintenance
- Front support wheels for easy operation and transportation

### APPLICATIONS

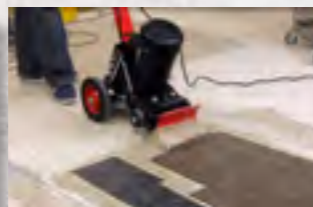
- Removal of floor coverings
- Removal of linoleum, carpet vinyl and other floor coverings



Linoleum Tiles Removal



Removing Tiles



Carpet Removal

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	323.3509A	Replacement Blade - Single Working width 230mm
	323.3509	Replacement Blade - Pack of 5 Working width 230mm
	323.3510A	Replacement U Blade - Single Working width 230mm
	323.3510	Replacement U Blade - Pack of 5 Working width 230mm
	669.3125	110v Power Cable 15 metres
	669.3150	230v Power Cable 50 metres

### TECHNICAL DATA

Model	Part No.	Weight (kg)	Width (mm)	Working Width (mm)	Length (mm)	Height (mm)	Power (W)	Voltage (A)	Motor RPM (rpm)	Vibration Level (Aeq m/s <sup>2</sup> )
TFS230 110V	323.2002	45	335	230	875	705	1500	16	1400	11.5
TFS 230 230V	323.2004	45	335	230	875	705	1500	13	1400	11.5

SCABBING

SCARIFYING

GRINDING & POLISHING

SURFACE STRIPPING

DESCALING

DUST CONTROL

ATEX APPROVED

# LR PNEUMATIC LONG REACH STRIPPER



Non spark options available

### One tool, multiple applications

The Trelawny long reach scraper range are versatile tools for chipping and scraping tiles, adhesives, screed and vinyl along with many other cleaning and industrial applications.

Available in a range of lengths from 2ft up to 6ft. Long reach tools eliminate the need for manual labour, they are quite literally a back saver!

The aluminium "Lite" version is perfect for jobs that require working overhead or accessing hard to reach areas such as tank cleaning.

Available with a wide selection of chisels and blades, they are perfect for renovation, flooring contractors, roofing, demolition and asbestos abatement.

## FEATURES

- Quick change chisel release
- Unique 'LITE' range: light weight models
- Available in 2ft, 4ft, 5ft and 6ft lengths
- Three tools in one: chipping, scraping, descaling
- Requires only 4.5 CFM of air: extremely cost effective needing only a small portable compressor
- Perfect tool for equipment hire companies

## APPLICATIONS

- Tile removal
- Removal of ice, residues and other adhesives
- Removal of carpet, lino
- Chemical spillage removal
- Bituminous products removal



Ceramic Tile Removal



Plaster Removal



Ship Deck Rust Removal

## KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	705.1100	229mm Long Chisel with 50mm Wide Blade Spark resistant aluminium bronze for use in hazardous areas		431.3504	102mm Wide Flat Edge Scraper Blade Assembly
	705.1101	229mm Long Chisel with 25mm Wide Blade Flat chisel for sand cast chipping		439.3504	102mm Wide Flat Edge Scraper Blade Pack of 5 Removal of adhesives and paint
	705.1102	203mm Long Chisel with 100mm Wide Blade General chipping applications, asphalt cutter, paint removal		431.3508	203mm Wide Flat Edge Scraper Blade Assembly
	705.1106	229mm Long Chisel with 50mm Wide Blade Removal of linoleum from floor base		439.3508	203mm Wide Flat Edge Scraper Blade Pack of 5 Removal of paint and coating spillage
	705.1112	203mm Long Chisel with 100mm Wide Blade Spark resistant aluminium bronze for use in hazardous areas		431.3512	305mm Wide Flat Edge Scraper Blade Assembly
	705.2102	Cranked 203mm Long Chisel with 100mm Wide Blade Floor tile removal		439.3512	305mm Wide Flat Edge Scraper Blade Pack of 4 Removal of carpet and tiles
	708.1100	203mm Long Chisel with Comb Insert For use with comb insert		431.3904	102mm Wide Bevelled Scraper Blade Assembly
	708.1101	25mm Long Chisel with 38mm Comb Insert Brick cleaning and reclamation		439.3524	102mm Wide Bevelled Scraper Blade Pack of 5 Removal of stubborn adhesive
	446.1090	Each service kit contains: Piston (1 each), Valve Stem (1 each), Spring Valve (1 each), Throttle Lever (1 each), Valve Seat O'Ring (1 each), Valve Cap O'ring (1 each), 3BLR O'Ring 34.6x1.78 (1 each), 3BLR O'Ring 37.8x1.78 (1 each), Spring Pin (1 each)		431.3908	203mm Wide Bevelled Scraper Blade Assembly
				439.3528	203mm Wide Bevelled Scraper Blade Pack of 5 Removal of carpet and tiles
				431.3912	305mm Wide Bevelled Scraper Blade Assembly
				439.3522	305mm Wide Bevelled Scraper Blade Pack of 4 Removal of stubborn adhesive
				641.3512	Blade Holder (Includes 806.0816 & 824.0800)
				806.0816	Button Head Screw
				824.0800	Nylon Insert Nut
				415.3532	Needle Scaler Conversion Kit Converts your Long reach scraper into a long reach needle scaler

See page \*\* for Needle Scaler Models

## TECHNICAL DATA

Model	Part No.	Type	Weight (kg)	Length (mm)	Blows Per Minute (BPM)	Air Consumption (lps - cfm)	Noise Level (LwA db(A))	Vibration Level H1 (Aeq m/s <sup>2</sup> )	Vibration Level H2 (Aeq m/s <sup>2</sup> )
2ft Chisel	136.3200	Standard	4.80	740	2200	2.1 - 4.5	84	41	5.4
4ft Chisel	136.3400	Standard	5.70	1100	2200	2.1 - 4.5	84	8.9	9.5
5ft Chisel	136.3500	Standard	6.25	1400	2200	2.1 - 4.5	86	11.4	10.1
6ft Chisel	136.3600	Standard	6.90	1710	2200	2.1 - 4.5	116	7.7	9.8
4ft LITE Chisel	136.3498	LITE	3.70	1100	2200	2.1 - 4.5	89	13.0	13.2
5ft LITE Chisel	136.3598	LITE	4.05	1400	2200	2.1 - 4.5	89	10.3	10.8
6ft LITE Chisel	136.3698	LITE	4.55	1710	2200	2.1 - 4.5	116	10.4	11.6

## HOW THEY WORK

The Trelawny surface strippers use an oscillating blade mechanism to effortlessly remove a wide range of materials from concrete, steel and wooden surfaces.

The high RPM of the oscillating blade makes cutting through stubborn material effortless, and eliminates the traditional method of 'hammer and chisel' material removal.

Available in both electric and pneumatic options with an array of attachments make these very versatile machines.



## APPLICATIONS

Floor Strippers and Long Reach Strippers are used for:

- Carpet & vinyl removal.
- Adhesive & rubberised coating removal.
- Roofing & bituminous material removal.
- Chipping, lifting, cleaning and cutting.
- De-scaling steel.
- Cleaning and preparing masonry, brick & concrete.
- Paint and coating removal.



## ATTACHMENT OPTIONS

A complete range of attachments are available for the pneumatic long reach scalers that Trelawny offer.

Attachments include:

- Spark resistant aluminium bronze chisels for use in hazardous areas.
- Various width chisels to suit specific applications.
- Various width scrapers to suit specific applications.
- Needle scaler attachment to convert the Long Reach into a needle scaler in seconds.
- Comb inserts for brick cleaning and reclamation.



## HINTS & TIPS

### Electric Floor Stripper

Adjusting the blade pitch allows the operator to position the blade from a shallow angle to a steeper more aggressive cut.

Use the additional weights on tough to remove materials.

### Pneumatic Long Reach Strippers

Use the "Long Reach LITE" option when working at heights to increase operator comfort.

Allow the tool to do the work, putting excess pressure on the head will not allow the heads to reach their full extension potentially stalling the tool and reducing performance.



TOOLS FOR SURFACE PREPARATION  
OF STEEL SURFACES WITHIN  
INDUSTRIAL ENVIRONMENTS

INDUSTRIAL



# VL LOW VIBRATION NEEDLE/CHISEL SCALERS



VL 223 INLINE



VL 203 PISTOL GRIP



VL 303 PISTOL GRIP



Low vibration options available

Outstanding performance and safety through efficiency was the principle objective behind the design of the VL range of scaling tools.

The Trelawny Vibro Lo™ range of vibration reduced needle and chisel scalers are unrivalled in terms of performance, reliability and reduced levels of harmful vibration.

The design features a unique vibration reduction system lowering vibration levels by 8 times that of conventional needle scalers.

Safety built in as standard.

## FEATURES

- Range of sizes for performance
- Pistol grip and in-line configurations
- Optional Beryllium copper needles for use in potentially explosive environments.
- Low air consumption
- Simple maintenance with no special tools required for reduced downtime
- Available as a needle or chisel scaler for multiple applications
- Unique design, valveless and oversized piston

## APPLICATIONS

- Removal of coatings, corrosion and other accumulated materials
- Slag removal and stress relieving welds
- Cleaning mixers, formwork and machinery
- Spot repairs
- Cleaning concrete for repair



Weld Cleaning



Paint Removal



Rust Removal

## KEY CONSUMABLES & ACCESSORIES

Image	Trelawny Part No:	Description
	418.2003	TVS Vacuum Shroud to fit VL203/VL223 Needle Scalars
	418.3003	TVS Vacuum Shroud to fit VL303 Needle Scaler
	446.2120	VL203/VL223 Chisel Attachment Kit
	446.2130	VL303 Chisel Attachment Kit
	446.2003	VL203/VL223 Needle Scaler Service Kit
	446.3003	VL303 Needle Scaler Service Kit
	446.2203	VL203/VL223 Chisel Scaler Service Kit
	446.3303	VL303 Chisel Scaler Service Kit
	413.2119	6 Sets of 19 Needles (3mm Chisel Tip) For use with VL203/VL223 Needle Scalars
	413.2128	6 Sets of 28 Needles (3mm Chisel Tip) For use with VL303 Needle Scaler
	601.2030	VL203/VL223 Needle Holder (19 x 3mm)
	601.3030	VL303 Needle Holder (28 x 3mm)
	712.2003	VL203/VL223 Front Spring
	712.3003	VL303 Front Spring
	458.1530	¼ BSP Inline Lubricator Assembly Consists of whip hose, whip check and ¼ lubricator

Note: Please see page xx for the full range of replacement needles

## TECHNICAL DATA

Model	Trelawny Part No.	Type	Needle Quantity	Weight (kg)	Blows per min (BPM)	Air Consumption (lps - cfm)	Air Inlet Size (BSP)	Overall Length (mm)	Noise Level (LwA db(A))	Vibration Level (Aeq m/s <sup>2</sup> )
VL223 Needle	196.2103	In-line	19 x 3 mm	2.35	2400	1.89 - 4	¼	370	90.7	2.56
VL223 Chisel	196.2213	In-line	-	2.95	2400	1.89 - 4	¼	435	76.3	3.69
VL203 Needle	196.2003	Pistol Grip	19 x 3 mm	2.7	2400	1.89 - 4	¼	340	90.7	2.75
VL203 Chisel	196.2203	Pistol Grip	-	3.2	2400	1.89 - 4	¼	395	76.3	3.33
VL303 Needle	196.3003	Pistol Grip	28 x 3 mm	3.51	3000	2.6 - 5.5	¼	370	109.5	2.3
VL303 Chisel	196.3203	Pistol Grip	-	4.25	3000	2.6 - 5.5	¼	400	78.2	3.7

# B/BPG NEEDLE/CHISEL SCALERS



2B INLINE



2BPG PISTOL GRIP



3BPG PISTOL GRIP



Dust control options available



Non spark options available

### The original!

The Trelawny "B" and "BPG" range of needle and chisel scalers have for many years been the default choice for companies seeking reliable, productive descaling tools.

Proven in the harshest environments on ships and rigs throughout the world, the B/BPG series comprises a range of sizes and configurations to suit many surface preparation tasks.

## FEATURES

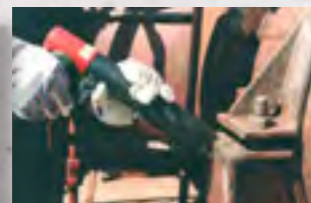
- Range of sizes for performance and versatility
- Pistol grip and in-line configurations
- Range of needles and consumables
- Optional beryllium copper needles for use in potentially explosive environments.
- Low air consumption
- Simple maintenance with no special tools
- Available as a needle or chisel scaler for multiple applications
- Unique design, valveless and oversized piston

## APPLICATIONS

- Removal of coatings, corrosion and other accumulated materials
- Slag removal and stress relieving welds
- Cleaning mixers, formwork and machinery
- Spot repairs
- Cleaning concrete for repair



Chipping Rust



Cleaning Steel Structures



Paint Removal

## KEY CONSUMABLES & ACCESSORIES

Image	Trelawny Part No:	Description
	418.2200	TVS Vacuum to fit 2B/2BPG Needle Scalars
	418.3040	TVS Vacuum to fit 3BPG Needle Scaler
	446.7110	1B Chisel Attachment Kit
	446.7120	2B/2BPG Chisel Attachment Kit
	446.7130	3BPG Chisel Attachment Kit
	446.1010	1B Needle Scaler Service Kit
	446.1020	2B Needle Scaler Service Kit
	446.1025	2BPG Needle Scaler Service Kit
	446.1035	3BPG Needle Scaler Service Kit
	446.1012	1B Chisel Scaler Service Kit
	446.1022	2B Chisel Scaler Service Kit
	446.1027	2BPG Chisel Scaler Service Kit
	446.1037	3BPG Chisel Scaler Service Kit
	413.2112	6 Sets of 12 Needles (3mm Chisel Tip) For use with 1B Needle Scaler
	413.2119	6 Sets of 19 Needles (3mm Chisel Tip) For use with 2B/2BPG Needle Scalars
	413.2128	6 Sets of 28 Needles (3mm Chisel Tip) For use with 3BPG Needle Scaler
	601.1003	1B Needle Holder (12 x 3mm)
	601.2003	2B/2BPG Needle Holder (19 x 3mm)
	601.3003	3BPG Needle Holder (28 x 3mm)
	712.1001	1B Front Spring
	712.2001	2B/2BPG Front Spring
	712.3001	3BPG Front Spring
	458.1530	¼ BSP Inline Lubricator Assembly Consists of whip hose, whip check and ¼ lubricator

Note: Please see page 60 for the full range of replacement needles

## TECHNICAL DATA

Model	Trelawny Part No.	Type	Needle Quantity	Weight (kg)	Blows per Min (BPM)	Air Consumption (lps - cfm)	Air Inlet Size (BSP)	Overall Length (mm)	Noise Level (LwA db(A))	Vibration Level (Aeq m/s <sup>2</sup> )
1B Needle	111.1000	In-line	12 x 3 mm	1.6	3800	142 - 3	¼	343	110.4	8.5
1B Chisel	114.1200	In-line	-	1.5	3800	142 - 3	¼	313	98.9	8.2
2B Needle	121.2000	In-line	19 x 3 mm	2.6	3000	2.6 - 5.5	¼	375	113.3	9.3
2B Chisel	124.2200	In-line	-	2.0	3000	2.6 - 5.5	¼	343	98.6	17.4
2BPG Needle	123.2100	Pistol Grip	19 x 3 mm	2.6	3000	2.6 - 5.5	¼	315	113.3	12.6
2BPG Chisel	125.2300	Pistol Grip	-	2.0	3000	2.6 - 5.5	¼	260	98.6	22.4
3BPG Needle	133.3100	Pistol Grip	28 x 3 mm	3.7	2200	3.8 - 8.0	¼	343	114.5	18.9
3BPG Chisel	135.3300	Pistol Grip	-	3.0	2200	3.8 - 8.0	¼	339	105.1	25.6

# LR

## LONG REACH NEEDLE/CHISEL SCALER



Non spark options available

The long reach range is designed to make the operator's life easier when scaling and cleaning hard to reach areas such as tanks.

Available in a range of lengths from 2 ft up to 6 ft, long reach tools are perfect for a wide number of applications.

The aluminium Long Reach "Lite" makes working overhead or while reaching easy, it is quite literally a back saver.

A full range of chipping, scaling and scraping attachments make it an indispensable tool for any structural cleaning operation.

### FEATURES

- Range of sizes for performance and versatility
- Steel and aluminium body versions
- Wide range of consumables for multiple applications
- Optional beryllium copper needles for use in potentially explosive environments
- Ergonomic design for operator comfort
- Simple maintenance with no special tools required for reduced downtime

### APPLICATIONS

- Removal of coatings, corrosion and other accumulated materials
- Cleaning concrete prior to repair
- Cleaning mixers, formwork and machinery and hard to reach areas



Rust Removal



Application Between Bricks



Paint Removal

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	413.2128	Replacement Needles 6 x sets of 28 Needles		705.2102	203mm Long Chisel with 100mm Wide Blade Floor tile removal
	419.3541	Chisel Holder Assembly 5/8" Hex Converts the Long Reach needle scaler into a Long Reach Chisel Scaler		815.5550	Whip Check
	705.1100	229mm Long Chisel with 50mm Wide Blade Spark resistant aluminium bronze for use in hazardous areas		859.1530	1/4 BSP Inline Lubricator
	705.1101	229mm Long Chisel with 25mm Wide Blade Flat chisel for sand cast chipping		421.3450	Whip Hose Consists of air hose 1/4" BSP claw - 2m
	705.1102	203mm Long Chisel with 100mm Wide Blade General chipping applications, asphalt cutter, paint removal		458.1530	1/4 BSP Inline Lubricator Assembly Consists of whip hose, whip check and 1/4 lubricator
	705.1106	229mm Long Chisel with 50mm Wide Blade Removal of linoleum from floor base		446.1035	Service kit contains: 3mm Needle Holder (1 each), 3mm Needle Chisel (28 each), Anvil (1 each), Piston (1 each), Valve Stem (1 each), Spring Return (1 each), Spring Valve (1 each), Throttle Lever (1 each), Valve Seat O'Ring (1 each), Valve Cap O'Ring (1 each), 3BLR O'Ring 34.6x1.78 (1 each), 3BLR O'Ring 37.8x1.78 (1 each), Spring Pin (1 each)
	705.1112	203mm Long Chisel with 100mm Wide Blade Spark resistant aluminium bronze for use in hazardous areas			

Note: Please see page 60 for the full range of replacement needles  
Note: Please see page 60 for the full range of Chisel / Scraper attachments for the Long Reach Scalers.

### TECHNICAL DATA

Model	Part No.	Needle Quantity	Weight (kg)	Length (mm)	Blows Per Minute (BPM)	Air Consumption (lps - cfm)	Noise Level (LwA db(A))	Vibration Level H1 (Aeq m/s <sup>2</sup> )	Vibration Level H2 (Aeq m/s <sup>2</sup> )
2ft Needle Scaler	137.3200	28 x 3mm	6.0	740	2200	2.1 - 4.5	103.1	15.3	12.9
4ft Needle Scaler	137.3400	28 x 3mm	6.90	1100	2200	2.1 - 4.5	103.5	11.7	12.2
5ft Needle Scaler	137.3500	28 x 3mm	7.45	1400	2200	2.1 - 4.5	103.0	12.3	11.8
6ft Needle Scaler	137.3600	28 x 3mm	8.10	1710	2200	2.1 - 4.5	103.5	12.5	12.2
4ft LITE Needle Scaler	137.3498	28 x 3mm	4.90	1100	2200	2.1 - 4.5	104.7	25.1	19.2
5ft LITE Needle Scaler	137.3598	28 x 3mm	5.25	1400	2200	2.1 - 4.5	103.0	19.3	18.7
6ft LITE Needle Scaler	137.3698	28 x 3mm	5.75	1710	2200	2.1 - 4.5	104.5	16.2	18.8

Symbol denotes aluminium bronze chisels for use in potentially hazardous areas.

# VL219ES

## ELECTRIC NEEDLE SCALER

COMING SOON



Low vibration options available



Dust control options available

Outstanding performance, high quality, innovative design and reduced vibration.

Ergonomic feel, robust build and versatile performance is the core DNA of any Trelawny SPT product. The VL219ES is no different and we've taken things a step further.

Fully serviceable, uncompromising quality, survives the harshest environments and delivers a performance matched to its pneumatic, Vibro-Lo™ counterpart.

Safety built in as standard.

### FEATURES

- Lightweight and compact
- Ergonomic and adjustable side handle design
- Optional dust shroud available
- Requires no additional tools for changing needles/chisels
- Optional chisel attachment
- Integrated drop protection

### APPLICATIONS

- Removal of rust, coatings and scale from steel structures and surfaces
- Weld cleaning and slag removal
- Cleaning of cast iron, steel pipe and bell joints of gas lines maintained by utilities and gas companies
- Mixers, formwork and machinery
- Cleaning concrete for repair



Surface Treatment



Paint Removal



Mortar Removal

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	446.2624	Chisel Attachment Kit
	418.2003	TVS Vacuum Shroud
	446.2603	Service Kit
	413.2119	6 sets of 19 Needles (3mm Chisel Tip)
	601.2030	Needle Holder (19 x 3mm)
	302.3101	Front Spring
	302.6005	Carbon Brush Set
	415.3003	Drop Protection Lanyard

### TECHNICAL DATA

Model	Part Number	Amps	Input Power (Watts)	Weight (kg)	Blows (BPM)	Noise Level (LpA db(A)) (+k)	Noise Level (LwA db(A))	Dimensions (mm)	Vibration (Aeq m/s <sup>2</sup> ) (+k)
VL219ES 110v 50/60Hz	196.2610	7.8	850	3.95	2000	101.8	115.8	555 (L) x 81 (W) x 258 (H)	6.5
VL219ES 230v 50/60 Hz	196.2624	3.9	850	3.95	2000	101.8	115.8	555 (L) x 81 (W) x 258 (H)	6.5
VL219ES 120v 50/60 Hz (US)	196.2612	7.8	850	3.95	2000	101.8	115.8	555 (L) x 81 (W) x 258 (H)	6.5

SCABBING

SCARIFYING

GRINDING & POLISHING

SURFACE STRIPPING

DESCALING

DUST CONTROL

ATEX APPROVED

# KITS

## CHIPPING AND DESCALING



Low vibration options available

Trelawny's industry leading needle & chisel scalers are available in a versatile, user friendly kit.

Proven in the harshest environments on ships and rigs throughout the world, the kit packages come complete with needle and chisel attachments to suit multiple chipping and scaling applications.

The clever design enables the tools to be converted from needle scalers to chisel scalers in a matter of seconds. Premium models come in a heavy duty carry case.

Safety built in as standard.

### FEATURES

- Range of sizes to suit various applications
- Simple maintenance with no special tools required for reduced downtime
- Convert from needle scaler to chisel scaler in seconds. All required parts included in the kit
- Different types of needle and chisel are available to suit various applications.
- Pistol grip and in-line configurations available
- Standard and low vibration options available

### APPLICATIONS

- Removal of coatings, corrosion and other accumulated materials
- Slag removal and stress relieving welds
- Cleaning steelwork and machinery
- Spot repairs



2BPG Chisel Scaler



VL303 Needle Scaler



VL303 Chisel Scaler

### KEY CONSUMABLES & ACCESSORIES

Image	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Description
	111.1060	N/A	N/A	1B Needle / Chisel Scaler Kit Kit Consists of: 1B Needle Scaler, 1B Chisel Holder Attachment, 3/4" (19mm) Square Shank Chisel, Supplied in a cardboard box
	120.2060	N/A	N/A	2B Needle / Chisel Scaler Kit Kit Consists of: 2B Needle Scaler, 2B Chisel Holder Attachment, 3/4" (19mm) Square Shank Chisel, Supplied in a cardboard box
	121.2060	N/A	N/A	2BPG Needle / Chisel Scaler Kit Kit Consists of: 2BPG Needle Scaler, 2BPG Chisel Holder Attachment, 3/4" (19mm) Square Shank Chisel, Supplied in a cardboard box
	133.3360	N/A	N/A	3BPG Needle / Chisel Scaler Kit Kit Consists of: 3BPG Needle Scaler, 3BPG Chisel Holder Attachment, 3/4" (19mm) Square Shank Chisel, Supplied in a cardboard box
	196.2013	N/A	N/A	VL203 Needle / Chisel Scaler Kit Kit Consists of: VL203 Needle Scaler, VL203 Chisel Holder Attachment, VL203 Anvil, 3/4" (19mm) Vibro Lo Chisel, Supplied in a cardboard box
	196.2113	N/A	N/A	VL223 Needle / Chisel Scaler Kit Kit Consists of: VL223 Needle Scaler, VL223 Chisel Holder Attachment, VL223 Anvil, 3/4" (19mm) Vibro Lo Chisel, Supplied in a cardboard box
	196.3103	N/A	N/A	VL303 Needle / Chisel Scaler Kit Kit Consists of: VL303 Needle Scaler, VL303 Chisel Holder Attachment, VL303 Anvil, 3/4" (19mm) Vibro Lo Chisel, Supplied in a cardboard box
	196.3105	N/A	N/A	VL303 Needle / Chisel Scaler Kit PREMIUM Kit Consists of: VL303 Needle Scaler, VL303 Chisel Holder Attachment, VL303 Anvil, 3/4" (19mm) Vibro Low Chisel, 2 1/2" Vibro Low Chisel, Box of 28 Chisel Tip Needles, Supplied in a Heavy Duty Plastic kit Case
	136.5510 136.5512 136.5520 136.5522	N/A N/A N/A N/A	N/A N/A N/A N/A	4ft Long Reach Kit 4ft Long Reach LITE Kit 5ft Long Reach Kit 5ft Long Reach LITE Kit



**CHIPPING AND SCALING KITS CAN BE QUICKLY SWAPPED BETWEEN CHISEL AND NEEDLE ATTACHMENTS IN A MATTER OF SECONDS!**

SCABBING  
SCARIFYING  
GRINDING & POLISHING  
SURFACE STRIPPING  
DESCALING  
DUST CONTROL  
ATEX APPROVED

## NEEDLES - A MARK OF EXCELLENCE FROM TRELAWNY


Trelawny offer the highest quality needles proven to last more than 10 times the duration of some competitor needles. Our customers benefit from less needle changes and therefore reduced downtime.

All the Trelawny Needle Scalers are delivered from stock complete with 180mm long x 3mm diameter chisel tipped high performance needles. Other needle holders are available as accessories for use with 2mm and 4mm diameter needles. We also offer spark resistant needles for use in potentially hazardous areas and stainless steel for use in areas where the effect of corrosion from humidity can be a problem such as applications in the food processing industry.

Varying pack sizes are offered to give customers a variety of choices, including bulk needle boxes. Standard quantities are offered from stock in packs of 6 needle sets per carton.

### CHISEL TIP NEEDLES

These needles will clean the same material as a pointed tip, but will leave light surface marking.


Image	Part Number	Size (mm)	Description
	413.2112	3mm	6 x sets of 12 Needles
	413.2119	3mm	6 x sets of 19 Needles
	413.2128	3mm	6 x sets of 28 Needles
	413.2149	3mm	6 x sets of 49 Needles
	453.2110	3mm	Box of 100 Needles
	443.2107	3mm	Box of 1000 Needles

### FLAT TIP NEEDLES

The flat tip needles will reduce marking on metal surfaces and can actually give a polishing finish.


For use on thin gauge metals and any surface where a light treatment is required.

2mm needle used on a welded joint produces a similar effect to shot peening, reducing stress in the weld.

Image	Part Number	Size (mm)	Description
	412.1129	2mm	6 x sets of 29 Needles
	412.1151	2mm	6 x sets of 51 Needles
	412.1165	2mm	6 x sets of 65 Needles
	452.1110	2mm	Box of 100 Needles
	442.1107	2mm	Box of 2000 Needles
	413.1112	3mm	6 x sets of 12 Needles
	413.1119	3mm	6 x sets of 19 Needles
	413.1128	3mm	6 x sets of 28 Needles
	413.1149	3mm	6 x sets of 49 Needles
	453.1110	3mm	Box of 100 Needles
	443.1107	3mm	Box of 1000 Needles 180mm
	414.1119	4mm	6 x sets of 19 Needles
	414.1135	4mm	6 x sets of 35 Needles
	454.1105	4mm	Box of 50 Needles
	444.1107	4mm	Box of 500 Needles
	443.1105	3mm	Box of 1000 Needles 127mm
	443.1115	3mm	19 x 127mm Long Needles (5")


### POINTED TIP NEEDLES

Sharpened to a conical point, these are the most effective in breaking through very hard scale on materials where some surface indentation is permissible - or where a roughening or keying of the surface is actually desirable.

Image	Part Number	Size (mm)	Description
	413.3112	3mm	6 x sets of 12 Needles
	413.3119	3mm	6 x sets of 19 Needles
	413.3128	3mm	6 x sets of 28 Needles
	413.3149	3mm	6 x sets of 49 Needles
	453.3110	3mm	Box of 100 Needles
	443.3107	3mm	Box of 1000 Needles
	414.3119	4mm	6 x sets of 19 Needles
	414.3135	4mm	6 x sets of 35 Needles
	454.3105	4mm	Box of 50 Needles
	444.3107	4mm	Box of 500 Needles


### SPARK RESISTANT BERYLLIUM COPPER

Available in 3mm flat tip only for use in potentially hazardous areas.

Image	Part Number	Size (mm)	Description
	403.1312	3mm	Box of 12 Needles
	403.1319	3mm	Box of 19 Needles
	403.1328	3mm	Box of 28 Needles
	403.1349	3mm	Box of 49 Needles
	453.1310	3mm	Box of 100 Needles
	443.1307	3mm	Box of 500 Needles







### STAINLESS STEEL NEEDLES

Available in 3mm flat tip form only, to be used in applications such as refurbishment of food processing machinery or areas of high humidity where the corrosive effect on needles would be prohibitive. Used on decorative concrete surfaces where contamination of the surface from carbon steel needles is undesirable.

Image	Part Number	Size (mm)	Description
	453.1207	3mm	Box of 100 Needles
	443.1207	3mm	Box of 500 Needles


## REPLACEMENT CHISELS - B/BPG

A range of replacement chisels that are compatible with the 1B,2B,2BPG & 3BPG Chisel Scalers

Image	Trelawny Part No.	Shank Type	Length (mm)	Blade width (mm)	Application
	704.1101	½ Square	178mm	19mm	Weld spatter removal & Chipping rust
	704.1103	½ Square	178mm	64mm	Wide flat chisel for the removal of peeling paint and rust
	704.1105	½ Square	254mm	64mm	Wide flat chisel for the removal of peeling paint and rust
	704.1107	½ Square	254mm	19mm	Flat chisel for weld spatter and sand cast cleaning
	704.1110	½ Square	178mm	50mm	Spark resistant Aluminium Bronze for use in hazardous areas
	704.2105	½ Square	178mm	35mm Cranked	Weld flux and thick coating removal

## REPLACEMENT CHISELS - VL

A range of replacement chisels that are compatible with the VL203, VL223 & VL303 Chisel Scalers

Image	Trelawny Part No.	Shank Type	Length (mm)	Blade width (mm)	Application
	704.3101	½ Square	178mm	19mm	Weld spatter removal & Chipping rust
	704.3103	½ Square	178mm	64mm	Wide flat chisel for the removal of peeling paint and rust
	704.3107	½ Square	254mm	19mm	Flat chisel for weld spatter and sand cast cleaning
	704.3110	½ Square	178mm	50mm	Spark resistant Aluminium Bronze for use in hazardous areas
	704.3205	½ Square	178mm	35mm Cranked	Weld flux and thick coating removal

# TRIDENT NEPTUNE



Trelawny's proven reliability over many years has made the trident neptune machines the first choice for de-scaling on board ships.

The Trident Neptune will rapidly remove scale, rust, paint and other unwanted deposits, leaving a good surface suitable for priming, painting and coating applications.

All machines supplied with:

- Flexible shaft 3m x 16mm (9ft x 5/8")
- Heavy duty leaf scaling head
- 6 cutter scaling head
- 150mm dia (6") power brush
- Spanner set
- Hand guard

## FEATURES

- 30% lighter than competitor machines for greater portability.
- Automatic thermal protection on electric models protects the motor from overheating and prevents costly repairs.
- Skid style designed base prevents the machine rolling around on decks.
- Multiple cutters and brushes available for a wide variety of removal and finishing applications. IP55 Rating.

## APPLICATIONS

- Removal of paint, rust, scale and other unwanted deposits in difficult to access areas.
- Preparation of surfaces for priming, painting and coating.



Heavy Chipping



Rapid Descaling



Wire Brushing

## KEY CONSUMABLES & ACCESSORIES

Image	Trelawny Part No	IMPA Part No.	ISSA Part No.	Description
	340.285	59.12.99	55.077.05	Flexible Drive Shaft
	340.581	59.12.86	55.082.01	6 Cutter Head
	340.550	59.12.75	55.078.01	Heavy Duty Scaling Head
	340.160	59.12.93	55.084.03	6" Power Brush
	340.163	59.12.91	55.084.03	6" Twisted Knot Brush
	340.166	59.12.97	55.084.07	Crimped Wire Cup Brush
	340.167	59.12.95	55.084.05	Twisted Knot Cup Brush

## TECHNICAL DATA

Model	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Working Width (mm)	Air Consumption (lps - cfm)	Power (Hp - kW)	Voltage (v)	Cutter Speed (rpm)	Weight (Kg)
Air	340.490/S	59.12.81	55.077.03	30	321 - 68.0	15 - 11	-	3000	34
110v Electric	340.TN/S/110	59.12.41	55.077.01	30	-	0.75 - 0.56	110	2850	34
230v Electric	340.TN/S/220	59.12.42	55.077.02	30	-	0.75 - 0.56	230	3450	34

## DIMENSIONS

Model	Part No.	IMPA Part No.	ISSA Part No.	Length (mm)	Width (mm)	Height (mm)
Air	340.490/S	59.12.81	55.077.03	2700	210	290
110v Electric	340.TN/S/110	59.12.41	55.077.01	2700	210	290
230v Electric	340.TN/S/220	59.12.42	55.077.02	2700	210	290

# PPT

## HANDHELD SCARIFIER

### PEENING PREPARATION TOOL



Low vibration options available



Dust control options available

The real alternative to small area shot blasting.

Trelawny's Peening Preparation tool (PPT) is designed for applications where open blasting may not be possible or simply as a fast economical way of effectively carrying out surface preparation in small or remote areas. It is ideal for preparing flat or large vertical areas such as beams, girders and tanks.

The PPT fitted with "Rotopeen™" abrasive flaps will remove coatings, scale and corrosion while cleaning the surface to a near white metal finish providing up to a 100 micron anchor profile perfect for reapplication of coatings.

Safety built in as standard.

### FEATURES

- Available in 50mm (2") or 100mm (4")
- Range of abrasives available
- Fully shrouded tool (TVS®)
- Star Cutters - Aggressive removal of thick coatings.
- Beam Cutters - Removal of hard coatings, less aggressive than star cutters.
- 3M™ Heavy Duty Rotopeen™ 'C' type flap - Removal of paint and rust to a bare metal finish.

### APPLICATIONS

- Fast removal of coatings, scale and contamination including: radioactive waste removal and capture, non-slip coatings, general paint removal, plaster removal, ceiling and wall paint, floor markings, adhesives, sealants and protective coatings.
- Used in many industries including: nuclear, ship decks, construction, factory floors, swimming pools, bridge maintenance and pipelines.
- Suitable alternative to small area blasting.



Steel Application



3M™ Rotopeen Flap Finish



Use with Peening Preparation Tool

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	438.0209	2" Cutter Hub Assembly (No Cutters)		312.D210	2" Axle (4 per set) for Star / Beam Cutters
	438.0409	4" Cutter Hub Assembly (No Cutters)		312.D410	4" Axle (4 per set) for Star / Beam Cutters
	438.0220	2" Cutter Hub Assembly c/w Star Cutters		312.S200	Star Cutter 80 Required for 2" Drum 160 Required for 4" Drum
	438.0420	4" Cutter Hub Assembly c/w Star Cutters			
	438.0225	2" Cutter Hub Assembly c/w Beam Cutters		312.R200	Beam Cutter 56 Required for 2" Drum 112 Required for 4" Drum
	438.0425	4" Cutter Hub Assembly c/w Beam Cutters			

### "C FLAP" CONSUMABLES

Image	Part Number	Description	Image	Part Number	Description
	438.0235	2" Rotopeen Assembly "C-Flaps"		312.D205	2" Rotopeen Hub
	438.0435	4" Rotopeen Assembly "C-Flaps"		12.D405	4" Rotopeen Hub
	312.MRPC	Rotopeen Flap (Type C)		38.0205	2" Rotopeen Hub - Includes Pins
	438.0405	4" Rotopeen Hub - Includes Pins			
	312.D213	2" Pin set (6 Per Set) (Flap retaining)			
	312.D413	4" Pin set (6 Per Set) (Flap retaining)			

### TECHNICAL DATA

Model	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Cutting Width (mm)	Power	R.P.M	Air Consumption (cfm - lpm)	Weight (kg)	Vibration level (Aeq m/s²)
2" PPT Air C Flaps	194.0205	59.22.51	55.098.01	50mm (2")	Air	2700	30 - 840	3.40	3.5
2" PPT Air Star	194.C205	59.22.53	55.098.02	50mm (2")	Air	2700	30 - 840	5.20	6.0
2" PPT 110v C Flaps	195.1215	N/A	N/A	50mm (2")	110v 1ph 50Hz	2000	-	4.40	3.6
2" PPT 110v Star	195.C216	N/A	N/A	50mm (2")	110v 1ph 50Hz	2000	-	4.56	7.8
2" PPT 230v C Flaps	195.1220	N/A	N/A	50mm (2")	230v 1ph 50Hz	2000	-	4.40	3.6
2" PPT 230v Star	195.C221	59.22.55	55.098.03	50mm (2")	230v 1ph 50Hz	2000	-	4.56	7.8
4" PPT Air C Flaps	194.0405	59.22.52	55.098.04	100mm (4")	Air	2700	30 - 840	4.10	3.1
4" PPT Air Star	194.C405	59.22.54	55.098.05	100mm (4")	Air	2700	30 - 840	6.40	4.6
4" PPT 110v C Flap	195.1415	N/A	N/A	100mm (4")	110v 1ph 50Hz	2000	-	5.23	5.2
4" PPT 110v Star	195.C416	N/A	N/A	100mm (4")	110v 1ph 50Hz	2000	-	6.47	7.8
4" PPT 230v C Flap	195.1420	N/A	N/A	100mm (4")	230v 1ph 50Hz	2000	-	5.23	5.2
4" PPT 230v Star	195.C421	N/A	N/A	100mm (4")	230v 1ph 50Hz	2000	-	6.47	7.8



# SF

## SCALEFORCE PNEUMATIC HANDHELD SCALING HAMMERS



Low vibration options available



Dust control options available

Trelawny's SF range of scaling hammers are highly effective for quick removal of heavy scale and coatings

The SF1/VLSF1 single head tools are perfect for smaller and awkward to reach areas, being lightweight and easy to handle, it's perfect for reaching behind structures and up against bulkheads.

The SF3 three head tools give faster production for more open areas

Safety built in as standard.

### FEATURES

- Option of replaceable carbide tipped scaling heads or economical hardened steel single piece pistons
- Beryllium copper spark resistant heads for use in potentially explosive environments
- Ergonomic handle for ease of use – also available with a short handle and/or inline for tight areas
- Simple and robust design for low and easy maintenance

### APPLICATIONS

- Quick removal of heavy coatings and rust
- Preparation before blasting
- Cleaning pipes



Corrosion Removal



Shipyards Management



Rust Descaling

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	426.5351	Cruciform Taper fit Cutter Head Tungsten carbide tipped head - for fracturing and removal of coatings		859.1555	1/2 Inline Lubricator
	606.5303	Cruciform Taper fit Cutter Head Beryllium copper spark resistant - for fracturing and removal of coatings		815.5550	Whip Check
	426.5352	Bush Hammer Taper fit Cutter Head Tungsten carbide tipped head - creates a heavier key on the surface		458.1555	Whip Hose & Oiler Assembly Consists of whip hose, whip check and 1/2 inline lubricator
	612.5301	Piston to fit Cutter Heads		614.5301	Brush Seal

### 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> )
Single Head	151.5100	Cruciform head	2.5	465	152.5	3000	3.3 - 7	88.1	6.8
Single Head	151.5110	Beryllium copper taper fit cutter	2.5	465	152.5	3000	3.3 - 7	88.1	6.8
Single Head	151.5180	Single piece steel piston	2.5	465	152.5	3000	3.3 - 7	88.1	6.8
Vibro-Lo™ Single Head	196.5095	Cruciform head	2.5	515	140	3000	4.25 - 9	92.5	3.7
Triple Head	153.5300	Cruciform head	3.7	450	152.5	3000 x 3	5.2 - 11	92.7	13.4
Triple Head	153.5310	Beryllium copper taper fit cutter	3.7	450	152.5	3000 x 3	5.2 - 11	92.7	13.4
Triple Head	153.5380	Single piece steel piston	3.7	450	152.5	3000 x 3	5.2 - 11	92.7	13.4

# SF11

## SCALEFORCE 11 HEAD

### PNEUMATIC DECK HAMMER



Low vibration options available



Dust control options available



Non spark options available



ATEX options available

For fast scaling of decks the walk behind SF11 is a fast, effective means of removing hard coatings and corrosion.

11 carbide tipped heads quickly fracture even the toughest materials, perfect for ongoing maintenance or preparation pre blast cleaning to speed up removal and save costs on abrasives.

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

Safety built in as standard.

#### FEATURES

- 11 scaling heads
- Option for replaceable carbide tipped heads or single piece steel pistons
- Optional Beryllium copper spark resistant heads for use in potentially explosive environments
- Trelawny Vibro-Lo™ vibration reduction for operator comfort and safety
- Optional Trelawny TVS® vacuum shroud system for protection of operators and surrounding environment
- ATEX options available for use in potentially explosive environments

#### APPLICATIONS

- Ship decks, tank bottoms, bridge decks and floating platform descaling.
- Use ahead of grit blasting to break down coatings
- Aggressive pre-preparation on thick coatings ahead of shot blasting



Coating and Corrosion Removal



Deck Descaling



Use with A45 Dust Collector

#### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	426.5351	Cruciform taper fit cutter head Tungsten carbide tipped head		614.5301	Brush seal
	606.5303	Cruciform taper fit cutter head Beryllium copper spark resistant		446.1540	SF11 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
	426.5352	Bush hammer taper fit cutter head Tungsten carbide tipped head		437.0100	Vacuum shroud To be used with any K Series Vacuum
	612.5301	Piston to fit cutter heads		458.1580	Whip Hose & Oiler Assembly Consists of whip hose, whip check and 3/4" lubricator
	612.5305	Single Piece Steel Piston		843.0752	3/4" air hose complete with couplings 15m length

#### TECHNICAL DATA

Model	Part No.	Cutter Heads	Air Consumption (lps - cfm)	Noise Level (db (A))	Blows Per Min (BPM)	Weight (kg)	Vibration Level (Aeq m/s <sup>2</sup> )
SF11 Cruciform c/w Shroud	159.5910	Cruciform taper fit	33 - 70	1131	3000 x 11	38	5.76
SF11 B. Copper	159.5930	Beryllium copper cruciform taper fit	33 - 70	1131	3000 x 11	38	5.76

#### DIMENSIONS

Model	Part No.	Working Width (mm)	Width (mm)	Height (mm)
SF11 c/w Shroud	159.5912	252	285	1230
SF11 Cruciform	159.5910	252	285	1230
SF11 B. Copper	159.5930	252	285	1230

**TVS®** FEATURING TOOL  
& VACUUM SYSTEM



DUST CONTROL

# TVS® TOOL & VACUUM SYSTEMS



Trelawny Tool & Vacuum System (TVS®) forms a high performance, safety focussed system for removing and containing hazardous coatings.

The TVS® range includes shrouded versions of all of our key surface preparation tools:

- Needle Scalers
- Scaling Hammers
- Hand Scabblers
- Peening Preparation Tool
- Floor Scabblers
- Deck Scalers

TVS® shroud kits are also retrofitable to any of our tools. Please refer to individual product pages for part numbers.

## FEATURES

- Available for standard and Vibro-Lo™ ranges
- Compatible with Series K and Series A dust collector

## APPLICATIONS

- Lead based paint
- Radioactive contaminants
- Hazardous materials
- Nuisance dust
- Concrete dust



Deck Descaling



Use with Series K Vacuums



Reach Hard to Access Areas

## KEY CONSUMABLES & ACCESSORIES

Model	Part Number	Vacuum take off diameter (mm)	Brochure page for further info
Single Scabblers SH1 fitted with shroud	139.5192	38	6
Triple Scabblers Cruciform Head Fitted with Shroud (Short Handle)	139.5390	38	8
Triple Scabblers Cruciform Head Fitted with Shroud	139.5392	38	8
Floor Scabblers MHS11 One Piece Bush c/w dust shroud	159.6050	38	20
Floor Scabblers MHS11 Two Piece Bush c/w dust shroud	159.6000	38	20
VL223 Needle Scaler fitted with shroud	139.2103	38	74
VL203 TVS Needle Scaler Kit	139.2003	38	74
VL303 TVS Needle Scaler Kit	139.3003	38	74
2B In-Line TVS Needle Scaler	139.2007	38	76
2BPG TVS Needle Scaler	139.2107	38	76
3BPG TVS Needle Scaler	139.3107	38	76
4 Ft Long Reach TVS Needle Scaler	137.7400	38	82
Peening Preparation Tool 2" Air C Flaps	194.0205	38	84
Peening Preparation Tool 2" Air PPT Star	194.C205	38	84
Peening Preparation Tool 2" 110v C Flaps	195.1215	38	84
Peening Preparation Tool 2" 110v Star	195.C216	38	84
Peening Preparation Tool 2" 230v C Flaps	195.1220	38	84
Peening Preparation Tool 2" 230v Star	195.C221	38	84
Peening Preparation Tool 4" Air C Flaps	194.0405	38	84
Peening Preparation Tool 4" Air Star	194.C405	38	84
Peening Preparation Tool 4" 110v C Flap	195.1415	38	84
Peening Preparation Tool 4" 110v Star	195.C416	38	84
Peening Preparation Tool 4" 230v C Flap	195.1420	38	84
Peening Preparation Tool 4" 230v Star	195.C421	38	84
Deck Hammer SF11 c/w Dust Shroud	159.5910	38	88



AS PART OF TVS®, TRELAWNY SUPPLY THE KV30H FULLY TYPE H CERTIFIED DUST COLLECTOR (SEE PAGES 80 - 84 FOR MORE DETAILS).

# A22 INDUSTRIAL DUST COLLECTOR



The A22 single phase dust collector is the perfect partner for our smaller range of single phase grinders and scarifiers.

The A22 is the ultimate compact unit for surface preparation machines and general cleaning applications.

The standard Class M filter offers exceptional surface area and filtration, the optional HEPA filter is classified to the highest rating H14.

The A22 features the Longopac™ safe bagging system for easy containment and disposal of material.

Now fitted with a new reverse pulse filter cleaning system ensuring continuous reliable performance under the hardest conditions.

## FEATURES

- 100% steel construction for long service life
- Two motors
- Class M primary filter with optional HEPA filter
- Complete with 40mm tool kit
- Reverse pulse filter cleaning system for performance and long service.
- Low noise level

## APPLICATIONS

- Perfect partner for smaller surface preparation equipment such as TFP200 scarifier, TCG hand grinders and TCG250 single head grinder
- Also ideal for use with many other smaller types of construction equipment with options for dust extraction
- General cleaning of fine dust in many other industries



Use with TFP200 Floor Scarifier



Longopac Bag System



Use With TCG250 Floor Grinder

## KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	303.5750	D.40 Chromed Bend Included in the accessory kit
	303.5630	D.38 Black Flexible Hose (5mt) + 50/40 Flex Connection (Left Thread) + D.40 PVC Connection Included as standard
	303.5482	40mm threaded hose connection to 50mm machine connection 2 Included as standard
	303.5477	40mm threaded hose connection to 40mm machine connection 1 Included as standard
	303.5755	D.40mm 400 Dust Brush Included in the accessory kit
	303.5485	D.40 PVC Brush Included in the accessory kit
	303.5760	D.40 Rubber Cone Section with Connection Included in the accessory kit
	303.5770	Longopac Bags Pack of 4 x 20m tubes - included as standard with 303.4103 & 303.4107

## TECHNICAL DATA

Model	Part Number	Output Power (Hp - kW)	Output flow (M³ per h / Lt per sec)	Vacuum Rate (mm. H <sub>2</sub> O)	Filter Type	Filter Efficiency	Filter Surface Area	Suction Inlet (Ø)	Noise Level (Db (A))	Dimensions (cm)	Weight (kg)
A22 Bin 110v Class M	303.4100	31 - 2.3	360 - 100	2500	Class M	99.93%	3m²	50	76	62 x 53 x 107	35
A22 Bin 230v Class M	303.4105	31 - 2.3	360 - 100	2500	Class M	99.93%	3m²	50	76	62 x 53 x 107	35
A22 LP 110v Class M	303.4103	31 - 2.3	360 - 100	2500	Class M	99.93%	3m²	50	75	53 x 56 x 130	35
A22 LP 230v Class M	303.4107	31 - 2.3	360 - 100	2500	Class M	99.93%	3m²	50	75	53 x 56 x 130	35
A22 LP 110v Type H	303.4104	31 - 2.3	360 - 100	2500	HEPA	99.995%	4.9m²	50	75	53 x 56 x 130	35
A22 LP 230v Type H	303.4108	31 - 2.3	360 - 100	2500	HEPA	99.995%	4.9m²	50	75	53 x 56 x 130	35

\*Machines supplied with HEPA as standard are classified to Type H and are provided with a certificate to certify the complete machine.

# A45 INDUSTRIAL DUST COLLECTOR



A45 LP

A45 BIN

### The A45 is a real over performer in its segment.

For a single phase dust collector, the A45 can compete with much larger machines.

Fitted with 3 motors, producing a total of 3.5Kw, it is the ideal machine for a wide range of Trelawny's surface preparation equipment along with many other general cleaning applications.

Full steel construction ensures the A45 stands up to the toughest site conditions.

Filtration is provided by a standard M class primary star filter offering an outstanding surface area of 3m<sup>2</sup> perfect for collection of large quantities of fine dust. The optional HEPA\* filter is classified to H14 giving 99.995% efficiency at 0.18 micron.

Available with either a detachable, portable bin or the Longopac® safe bagging system.

### FEATURES

- High filtration and efficiency Class M primary filter with optional H14 HEPA filter.
- Mechanical filter cleaning mechanism with filter clogging indicator to ensure optimum performance.
- Three powerful single phase motors for performance and usability.
- Detachable bin or Longopac® containment options.
- Complete with 50mm tool kit.

### APPLICATIONS

- Perfect partner for small and medium sized surface preparation equipment such as TFP200 & TFP260 scarifiers, TCG250, TCG500 and TPG540 grinders.
- Also ideal for use with many other types of construction equipment with options for dust extraction.
- General cleaning of fine dust in many other industries.



Use with TFP Floor Planers



Use with MHS Floor Scabblers



Use With TCG Floor Grinders

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	303.5725	Complete 5m Hose + Cuffs Included as standard		303.5486	Double Bend Floor Wand use for use with Floor Brush Included in the accessory kit
	303.4500	38mm Hose Kit (10 meters)		303.5730	Flat Nozzle
	303.5473	PVC Hose per Metre Max. 20 mtr		303.5483	Hand Brush - Dry surfaces
	303.5778	Hose Cuff (50 mm)		303.5481	Optional Cyclone for Additional Filter Protection
	303.3488	Y-Piece 50mm x 50mm x 50mm		303.5282	Main Polyester Filter - 20.000 cm <sup>2</sup> - Class M Included as standard
	303.5484	80 to 50 mm Steel Hose Connector Included as standard		303.5262	Optional Class H - HEPA Cartridge Filter
	303.5740	Floor brush for Wet use Only		303.5770	Longopac Bags
	303.5745	Floor brush for Dry use Only Included in the accessory kit		303.4355	Large Pre Separator
	303.5735	Brush on Wheels + Floor Attachment: 80-60mm Steel Hose Connector			

### TECHNICAL DATA

Model	Part Number	Output Power (Hp - kW)	Output flow (M <sup>3</sup> per h / Lt per sec)	Vacuum Rate (mm. H <sub>2</sub> O)	Filter Type	Filter Efficiency	Filter Surface Area	Suction Inlet (Ø)	Noise Level (Db (A))	Dimensions (cm)	Weight (kg)
A45 Bin 110v Class M	303.4110	4 - 3	540 - 150	2500	Class M	99.93%	3m <sup>2</sup>	80	76	58 x 60 x 150	65
A45 Bin 230v Class M	303.4220	4.6 - 3.5	540 - 150	2500	Class M	99.93%	3m <sup>2</sup>	80	76	58 x 60 x 150	65
A45 Bin 110v Type H	303.4112	4 - 3	540 - 150	2500	HEPA	99.995%	2.8m <sup>2</sup>	80	76	62 x 62 x 160	65
A45 Bin 230v Type H	303.4222	4.6 - 3.5	540 - 150	2500	HEPA	99.995%	2.8m <sup>2</sup>	80	76	62 x 62 x 160	65
A45 LP 110v Class M	303.4111	4 - 3	540 - 150	2500	Class M	99.93%	3m <sup>2</sup>	80	76	58 x 60 x 150	65
A45 LP 230v Class M	303.4221	4.6 - 3.5	540 - 150	2500	Class M	99.93%	3m <sup>2</sup>	80	76	58 x 60 x 150	65
A45 LP 110v Type H	303.4113	4 - 3	540 - 150	2500	HEPA	99.995%	2.8m <sup>2</sup>	80	76	62 x 62 x 160	65
A45 LP 230v Type H	303.4223	4.6 - 3.5	540 - 150	2500	HEPA	99.995%	2.8m <sup>2</sup>	80	76	62 x 62 x 160	65

\*Machines supplied with HEPA as standard are classified to Type H and are provided with a certificate to certify the complete machine.

# A70 INDUSTRIAL DUST COLLECTOR



The A70 is perfectly suited to larger surface preparation equipment and heavy duty applications.

Featuring a 24/7 continuous duty maintenance free motor it is ideally suited to large jobs where constant running and reliability is a priority.

Filtration is provided via primary M class star filter offering 30,000 cm<sup>2</sup> of filter surface area. The secondary HEPA filter is classified to H14 and offers an additional 45,000 cm<sup>2</sup> of filter surface area.

The primary filter is cleaned via a mechanical filter cleaning mechanism with a suction indicator to alert to a clogged filter ensuring reliable running.

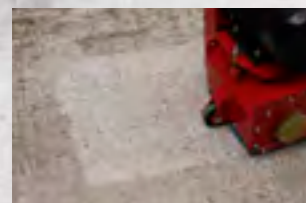
Supplied as standard with the Longopac® safe bagging system.

## FEATURES

- 100% steel construction for longer service life.
- 3 phase side channel motor for 24/7 continuous duty operation
- Class M primary filter with optional HEPA filter offering large filter surface area.
- Efficient mechanical filter cleaning system for high performance and long service life.
- Longopac® collection system.
- Complete with 50mm tool kit.

## APPLICATIONS

- Perfect partner for larger 3 phase surface preparation equipment such as TFP320 scarifier, TPG540 & TPG650 grinders
- Also ideal for use with many other types of construction equipment with options for dust extraction
- General cleaning of fine dust in many other industries



Use with TFP320 Floor Scarifier



Use with TPG6650 Floor Grinder



Use With MHS5 Floor Scabber

## KEY CONSUMABLES & ACCESSORIES
















Image	Part Number	Description
	3035725	Complete 5M Hose + Cuffs Included as standard
	3035473	PVC Hose per Metre Max. 20 mtr
	3035778	Hose Cuff (50 mm)
	3033488	Y-Piece 50mm x 50mm 50mm
	3035484	80 to 50 mm Steel Hose Connector Included as standard
	3035740	Floor Brush for Wet use Only
	3035745	Floor Brush for Dry use Only Included in the accessory kit
	3035735	Brush on Wheels + Floor Attachment: 80-60mm Steel Hose Connector

Image	Part Number	Description
	3035486	Double Bend Floor Wand use with steel brush (AA1403) and brush steel (AA1420) Included in the accessory kit
	3035730	Flat Nozzle
	3035483	Hand Brush - Dry Surfaces
	3035262	Main Polyester Filter - 20,000 cm <sup>2</sup> - Class M Included as standard
	3035282	Optional Class H - HEPA Cartridge Filter
	3035765	Longopac Bags
	3034355	Large Pre Separator

## TECHNICAL DATA

Model	Part Number	Output Power (Hp - kW)	Output flow (M <sup>3</sup> per h / Lt per sec)	Vacuum Rate (mm. H <sub>2</sub> O)	Filter Type	Filter Efficiency	Filter Surface Area	Suction Inlet (Ø)	Noise Level (Db (A))	Dimensions (cm)	Weight (kg)
A70 LP 400v Manual	3034342	7.5 - 5.5	550 - 153	3000	HEPA	99.995%	75 <sup>2</sup>	80	76	66 x 118 x 147	146

# A70X INDUSTRIAL DUST COLLECTOR



The A70X is the correct choice when you need a high performance dust collector.

Perfect for heavy duty round the clock use, the side channel blower type motor provides outstanding suction, low noise levels and virtually maintenance free operation.

The A70X offers a superior filter cleaning to the standard A70 with the addition of a reverse pulse type automated cleaning system.

The filter unit comprises of 3 cartridge type filters giving 80,000cm<sup>2</sup> of filter surface area.

The standard fitment HEPA filters are certified to the highest H14 Class.

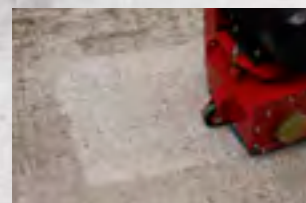
Supplied as standard with the Longopac® safe bagging system the A70X provides class leading filtration and safety.

## FEATURES

- Automated filter cleaning mechanism with vacuum gauge to ensure optimum performance.
- 3 phase side channel blower motor for maximum performance, quiet operation and low maintenance.
- H14 classified filters.
- Longopac® collection system.
- Complete with 50mm tool kit.

## APPLICATIONS

- Perfect partner for larger 3 phase surface preparation equipment such as TFP320 scarifier, TPG540 & TPG650 grinders
- Also ideal for use with many other types of construction equipment with options for dust extraction
- General cleaning of fine dust in many other industries



Use with TFP320 Floor Scarifier



Use with TPG6650 Floor Grinder



Use With MHS5 Floor Scabber

## KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	3035725	Complete 5M Hose + Cuffs Included as standard
	3035473	PVC Hose per Metre Max. 20 mtr
	3035778	Hose Cuff (50 mm)
	3033488	Y-Piece 50mm x 50mm 50mm
	3035484	80 to 50 mm Steel Hose Connector Included as standard
	3035740	Floor Brush for Wet use Only
	3035745	Floor Brush for Dry use Only Included in the accessory kit
	3035735	Brush on Wheels + Floor Attachment: 80-60mm Steel Hose Connector

Image	Part Number	Description
	3035486	Double Bend Floor Wand use with steel brush (AA1403) and brush steel (AA1420) Included in the accessory kit
	3035730	Flat Nozzle
	3035483	Hand Brush - Dry Surfaces
	3035282	Main Polyester Filter - 20,000 cm <sup>2</sup> - Class M Included as standard
	3035282	Optional Class H - HEPA Cartridge Filter
	3035770	Longopac Bags
	3034355	Large Pre Separator

## TECHNICAL DATA

Model	Part Number	Output Power (Hp - kW)	Output flow (M <sup>3</sup> per h / Lt per sec)	Vacuum Rate (mm. H <sub>2</sub> O)	Filter Type	Filter Efficiency	Filter Surface Area	Suction Inlet (Ø)	Noise Level (Db (A))	Dimensions (cm)	Weight (kg)
A70 LP 400v Manual	3034340	7.5 - 5.5	550 - 153	3000	HEPA	99.995%	10.5 <sup>2</sup>	80	76	128x79x187	178.5



# KV30

## SERIES K ELECTRIC VACUUM



TVS® K series of portable dust collectors for light and specialist industrial use.

The KV30 is a powerful twin motor industrial vacuum built to withstand the toughest of environments and jobs while remaining portable, this makes it the ideal system combined with Trelawny's range of scaling tools where performance and portability are a given.

Consideration for the potentially hazardous material means the optional fully certified TYPE H version is a key feature of the range. Type H vacuum cleaners have been purposely designed and built to meet the needs of users to safely and effectively pick up hazardous dusts and debris including asbestos.

Each model is issued with a filtration test certificate and is certified to have a filtration efficiency in excess of 99.995% at 0.6 microns.

### FEATURES

- Non-magnetic 304 grade stainless steel canister with virtually indestructible thick section injection moulded plastic motor head
- Double filtration
- Optional high efficiency cloth filter
- Twin motors providing 2000W
- Optional certified type H version
- Supplied with 38mm tool kit
- Optional wet use version

### APPLICATIONS

- Suitable for use with Trelawny's TVS® range of handheld scaling tools
- Collection of dry dust and wet materials



To Fit Built in Vacuum Ports



Use with TFP200



Easy Access Dust Ports

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	303.1060	HEPA Filter (Optional) Antistatic option		303.1095/ WD 303.1095/AS	38mm Wet Tool Kit Antistatic option
	303.1025 303.1025/AS	14" Standard Filter Assembly Antistatic option		303.1100	38mm Multipurpose Tool with Brushes
	303.1035	14" Permaflow Filter (Optional)		303.1105 303.1105/AS	38mm x 125mm Dusting Brush Antistatic option
	303.1050 303.1050/AS	14" Float Assembly - Wet use Antistatic option		303.1110	38mm Stainless Steel Taper Tube For joining hoses
	303.1075 303.1075/AS	38 mm x 3 m Hose Antistatic option		303.1005	K4 Disposable Bags - Pack of 10 - For disposing of sealed waste such as hazardous dust
	303.1085 303.1085/AS	38mm Dry Tool Kit Antistatic option		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)	Voltage (V)	Rating (amp)	Maximum vacuum at 100 psi (mm H <sub>2</sub> O)	Dimensions (mm)	Weight (Kg)
110v Dry	303.11KV30/2D	30	295 - 82	110	16	2500mm / water gauge	1110 x 460 x 500	16
110v Dry Type H	303.11KV30/2DH	30	295 - 82	110	16	2500mm / water gauge	930 x 440 x 440	26
110v Wet and Dry	303.11KV30/2WD	30	295 - 82	110	16	2500mm / water gauge	710 x 440 x 440	16
230v Dry	303.22KV30/2D	30	295 - 82	230	13	2500mm / water gauge	710 x 440 x 440	16
230v Dry Type H	303.22KV30/2DH	30	295 - 82	230	13	2500mm / water gauge	930 x 440 x 440	26
230v Wet and Dry	303.22KV30/2WD	30	295 - 82	230	13	2500mm / water gauge	710 x 440 x 440	16

#### Dry models complete with:

- 38mm Tool kit (Part No. 303.1085)
- 14" Standard filter assembly (Part No. 303.1025)
- 5 x K4 Microfibre bags (Part No. 303.1003)

#### Wet & Dry models complete with:

- 38mm Tool kit & Wet floor tool (Part No. 303.1095/WD)
- Float Assembly (Part No. 303.1050)
- 14" Standard filter assembly (Part No. 303.1025)
- 5 x K4 Microfibre bags (Part No. 303.1003)

#### Dry Type H models complete with:

- 38mm Tool kit (Part No. 303.1085)
- 14" Standard filter assembly (Part No. 303.1025)
- 5 x K4 Microfibre bags (Part No. 303.1003)

SCABBING  
SCARIFYING  
GRINDING & POLISHING  
SURFACE STRIPPING  
DESCALING  
DUST CONTROL  
ATEX APPROVED

# KAV30

## SERIES K ATEX APPROVED PNEUMATIC VACUUMS



The KAV30 is ATEX approved for Gas zone 1 and Dust Zone 21 under category 2 of the ATEX directive.

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 and 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 collector form an integral part of Trelawny's TVS®, Tool and Vacuum System, for our range of smaller hand held surface preparation equipment.

### FEATURES

- 30 litre capacity
- ATEX certified with certificate
- Optional certified type H version
- Supplied with conductive tool kit
- Optional wet use version

### APPLICATIONS

- Suitable for use with Trelawny's TVS® range of handheld scaling tools
- Collection of dust in hazardous environments categorised under category 2 of the ATEX directive
- Collection of dry dust and wet materials



Use with SF11



Use with Needle Scalers



Use with Peening Preparation Tool

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	303.1075 303.1075/AS	38mm x 3m Hose Antistatic option		303.1095/ WD 303.1095/AS	38mm Wet Tool Kit Antistatic option
	303.1025 303.1025/AS	14" Standard Filter Assembly Antistatic option		303.1100	38mm Multipurpose Tool with Brushes
	303.1035	14" Permaflow Filter (Optional)		303.1105 303.1105/AS	38mm x 125mm Dusting Brush Antistatic option
	303.1050 303.1050/AS	14" Float Assembly - Wet use Antistatic option		303.1110	38mm Stainless Steel Taper Tube For joining hoses
	303.1060 303.1060/AS	HEPA filter (Optional) Antistatic option		303.1005	K4 Disposable Bags - Pack of 10 - For disposing of sealed waste such as hazardous dust
	303.1085 303.1085/AS	38mm Dry Tool Kit Antistatic option		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	Maximum 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" Standard 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/WD)
- 14" Antistatic Float Assembly (Part No. 303.1050/AS)
- 14" Standard filter assembly (Part No. 303.1025)
- 5 x K4 Microfibre bags (Part No. 303.1003)

#### Dry Type H models complete with:

- 38mm Tool kit (Part No. 303.1085/AS)
- 14" Standard filter assembly (Part No. 303.1025/AS)
- 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

SCABBLING  
SCARIFYING  
GRINDING & POLISHING  
SURFACE STRIPPING  
DESCALING  
DUST CONTROL  
ATEX APPROVED

## KEY CONSUMABLES & ACCESSORIES

The Trelawny range of vacuums are designed to work in partnership with our full range of machines to provide a dust-free working environment. The below chart matches the specific Trelawny machine with the most compatible vacuum. This is based on both performance of the vacuum and the vacuum cost in relation to the machine.

- Key to the guide:
- ★★★★ Most suitable combination.
  - ★★★ Satisfactory combination.
  - ★ Least satisfactory combination.
  - Not compatible.

K series range is best suited for paint and rust applications, whilst the Series A range for concrete dust.



	Series K Pneumatic	Series K Electric	A22 Vacuum	A45 Vacuum	A70 Vacuum
Hand Scabblers	★★★★	★★★★	★★		
MHS11 Floor Scabblers	★★		★★	★★★★	★★
MHS5 Floor Scabblers	★★		★	★★★★	★★
TFP200 Floor Scarifier	★★		★★★★	★★	★★
TFP260 Floor Scarifier			★	★★★★	★★
TFP320 Floor Scarifier			★	★★	★★★★
TCG125/180 Hand Grinder		★★★★	★★	★	
TCG250 Floor Grinder			★★★★	★★	★★
TCG500 Floor Grinder			★	★★★★	★★
TPG540 Floor Grinder				★★★★	★★
TPG650 Floor Grinder				★★	★★★★
Needle Guns	★★★★	★★★★	★		
PPT Hand Held Scarifier	★★★★	★★★★	★		
Whirl Away Rotary Scaler	★★★★	★★★★	★		
SF11 Deck Hammer	★★	★★	★★★★	★★★★	



# VL-EX NEEDLE AND CHISEL SCALERS



VL223EX NEEDLE



VL303EX NEEDLE



VL303EX CHISEL



Low vibration options available



Dust control options available



ATEX Certified

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.

Safety built in as standard.

## 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
- Levelling and removing layers of hard materials
- Removing painted lines

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



Weld Cleaning



Paint Removal



Corrosion Removal

## KEY CONSUMABLES & ACCESSORIES

Image	Trelawny Part No:	IMPA Part No:	ISSA Part No:	Description
	418.2003	59.25.06	55.091.66	TVS Vacuum Shroud to fit VL203Ex/VL223Ex Needle Scalers
	418.3003	59.25.07	N/A	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
	601.2030	N/A	N/A	VL203Ex/VL223Ex Needle Holder (19 x 3mm)
	601.3030	N/A	N/A	VL303Ex Needle Holder (28 x 3mm)
	712.2003	N/A	N/A	VL203Ex/VL223Ex Front Spring
	712.3003	N/A	N/A	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> )
VL223-Ex Needle	196.2107	In-line	50mm	2.35	2400	1.89 - 4	¼	90.7	2.56
VL223-Ex Chisel	196.2117	In-line	50mm	2.95	2400	1.89 - 4	¼	76.3	3.69
VL203-Ex Needle	196.2207	Pistol Grip	50mm	2.7	2400	1.89 - 4	¼	90.7	2.75
VL203-Ex Chisel	196.2217	Pistol Grip	50mm	3.2	2400	1.89 - 4	¼	76.3	3.33
VL303-Ex Needle	196.3007	Pistol Grip	50mm	3.51	3000	2.6 - 5.5	¼	109.5	2.3
VL303-Ex Chisel	196.3017	Pistol Grip	50mm	4.25	3000	2.6 - 5.5	¼	78.2	3.7

# ATEX KITS

## CHIPPING AND SCALING



-  Low vibration options available
-  Dust control options available
-  ATEX Certified
-  Drop Protection

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

### FEATURES

- Range of sizes to suit various applications
- Simple maintenance with no special tools required for reduced downtime
- Convert from needle scaler to chisel scaler in seconds. All required parts included in the kit
- Different types of needle and chisel are available to suit various applications.
- Pistol grip and in-line configurations available
- Standard and low vibration options available

### APPLICATIONS

- Removal of coatings, corrosion and other accumulated materials
- Slag removal and stress relieving welds
- Cleaning steelwork and machinery
- Spot repairs



VL203EX






VL223EX Needle



VL303EX Chisel

### KIT OPTIONS





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



CHIPPING AND SCALING KITS CAN BE QUICKLY SWAPPED BETWEEN CHISEL AND NEEDLE ATTACHMENTS IN A MATTER OF SECONDS!

### ATEX LOW VIBRATION AND DUST FREE SCALING SYSTEM



-  Low vibration options available
-  Dust control options available
-  ATEX Certified
-  Drop Protection

# SF-EX

## SINGLE AND TRIPLE HEAD SCALING HAMMERS



VLSF1-EX

SF1-EX



Low vibration options available



ATEX Certified

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.

### FEATURES

- Single and triple head models suits wide range of applications
- ATEX certified for use without hot work permits
- 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

Trelawny SF-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



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	55.093.13	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	N/A	N/A	VLSF1-EX Service Kit
	446.1530X	N/A	N/A	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/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

SCABBING

SCARIFYING

GRINDING & POLISHING

SURFACE STRIPPING

DESCALING

DUST CONTROL

ATEX APPROVED

# SF11-EX

## 11 HEAD DECK HAMMER



Low vibration options available



Dust control options available



ATEX Certified

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.

### 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

Trelawny SF-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



Coating and Corrosion Removal



Deck Descaling



Using with KAV30 Vacuum

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	606.5303	Cruciform taper fit cutter head Beryllium copper spark resistant		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/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	38	5.76

### DIMENSIONS

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

### ATEX LOW VIBRATION AND DUST FREE SCALING SYSTEM



Low vibration options available



Dust control options available



ATEX Certified

# KAV30

## ATEX VACUUM



**TVS®** Dust control options available

**Ex** ATEX Certified

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.

### 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

Trelawny SF-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



Use with SF11



Use with Needle Scalars



Use with Peening Preparation Tool

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description	Image	Part Number	Description
	303.1060	HEPA Filter Assembly Antistatic option		303.1095/AS	38mm Anti-Static Wet Tool Kit
	303.1025/AS	14" Anti-Static Filter		303.1100/AS	38mm Anti-Static Floor Tool With Brushes
	303.1035	14" Permaflow Filter (Optional)		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
	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
	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 <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







## AIR TOOL ACCESSORIES

A full range of complimentary accessories are available, including air hoses, lubricators and connectors.

Compressed air tools and hoses working under pressure can pose a serious risk if adequate safety measures are not implemented and followed. Trelawny always advise using high quality air fittings and accessories, ensure regular maintenance is carried out as per the tools operation and maintenance manual and adhere to specified pressure given in the technical data sheet.

## AIR HOSES

Image	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Description
	843.0752	N/A	N/A	Air Hose Consists of 3/4" air hose with claw couplings - 15m
	719.3000	N/A	N/A	Air Hose 3/8" Bore - 30m
	421.3450	N/A	N/A	Air Hose Consists of air hose, 1/4" BSP male coupling, claw coupling - 2m
	421.3452	N/A	N/A	Air Hose Consists of air hose 3/8" BSP male coupling, claw coupling - 2m




## CONNECTORS

Image	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Description
	819.2375	N/A	N/A	1/4" BSP - 3/8" Stem Connector
	819.0385	N/A	N/A	3/8" BSP - 3/8" Stem Connector
	843.0775	N/A	N/A	3/8" BSP Claw Coupling male
	819.0380	N/A	N/A	Claw coupling with 3/8" Hose Tail
	819.5336	N/A	N/A	Schrader Coupling 3/8" Hose Tail
	819.5334	N/A	N/A	Schrader Snap Connector 1/4" BSP Female
	821.0625	N/A	N/A	3/8" Hose Clips



## LUBRICATORS

Image	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Description
	859.1530	N/A	N/A	1/4" BSP Inline Lubricator
	859.1555	N/A	N/A	1/2" BSP Inline Lubricator
	859.1580	N/A	N/A	3/4" BSP Inline Lubricator


## LUBRICATOR ASSEMBLIES

Image	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Description
	458.1530	N/A	N/A	1/4" Whip Hose & Oiler Assembly Consists of whip hose, whip check and 1/4" lubricator
	458.1555	N/A	N/A	1/2" Whip Hose & Oiler Assembly Consists of whip hose, whip check and 1/2" lubricator
	458.1580	N/A	N/A	3/4" Whip Hose & Oiler Assembly Consists of whip hose, whip check and 3/4" lubricator

## WHIP CHECKS

Image	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Description
	815.5550	N/A	55.091.73	Safety Whip Check 1/2" - 1 1/4"
	815.5560	N/A	N/A	Safety Whip Check 1 1/2" - 3"

## PPE KIT

Image	Trelawny Part No.	IMPA Part No.	ISSA Part No.	Description
	446.7002	N/A	N/A	Trelawny PPE Kit Consists of: High vis jacket, safety gloves, safety glasses & ear plugs

## AIR PRESSURE INFORMATION

Pressure is the pushing force or power which drives the tool. Correct air pressure is very important, too low and the tool will not perform at its maximum, too high, wear and damage to the tool will dramatically increase and at worst can lead to a potentially deadly failure or accident!

Air pressure is commonly measured in:  
 • PSI (Pounds per Square Inch) • BAR  
 1 BAR = 14.5 PSI

Equipment Consumption is the amount of compressed air the tool will use (at the manufacture specified pressure)

Air consumption is commonly measured in:  
 • CFM (Cubic Feet per minute) • LPM (Litres per minute) • LPS (Litres per second)  
 1 CFM = 28.32 LPM or 0.47 LPS

## AIR PRESSURE NOTES

### FAD (Free air Delivery)

When selecting compressor size the output should always be measured as the FAD rating of the compressor. This is the actual volume of air (in CFM, LPM, LPS) discharged by the compressor therefore a more accurate measure of the air available to use.

### Displacement

Is the theoretical volume of a compressor also measured in CFM, it should not be used as a basis for selecting a compressors ability to run a tool.

### Pressure vs consumption

Ensure your compressor can output the required air at the specified pressure. Pressure and consumption are not the same thing!

### Tank size

Many people mistakenly look at the tank capacity (in litres) of a compressor as the main criteria for running a piece of equipment. Tank capacity is purely for storage and to reduce the running of the compressor motor. The compressors FAD measured in CFM is the critical criteria to determine whether it will run a specified piece of equipment.

## AIR COMPRESSOR REQUIREMENTS

Tool / Machine	Cubic Feet Per Minute (CFM)	Litres Per Minute (LPM)	Litres Per Second (LPS)
Needle / Chisel Scalers (B/BPG)	3 - 8	85 - 227	1.42 - 3.80
Low Vibration Needle / Chisel Scalers (VL)	4 - 5.5	113 - 156	1.89 - 2.60
Long Reach Scalers (LRS)	4.5	127	2.12
Mini Blasters (SF MB)	9 - 41	255 - 1.161	4.23 - 19.27
Air Hammers (M13)	8.5	241	4.00
Hand Held Scalers (PPT)	30	850	14.10
Handheld Scaling Hammers (SF)	7 - 11	198 - 312	3.29 - 5.17
Angle Grinders	8 - 10	227 - 283	3.80 - 4.70
Deck Scaler (TFP)	165	4.673	77.55
Deck Hammer (SF11)	70	1,982	32.90
Trident Neptune Deck Scaler (TN)	68	1,926	31.96
Hydraflex Hold Cleaner (HY)	70	1,982	32.90
Vacuums	35	991	16.45

Consumption figures quoted in this brochure are always quoted at 90 PSI (6.2 BAR) Standard operating pressure for all Trelawny tools.

## AIR COMPRESSOR REQUIREMENTS

Air consumption free air delivery at 6 bar pressure

Tool / Machine	Cubic Feet Per Minute (CFM)	Litres Per Minute (LPM)	Litres Per Second (LPS)	
Needle scalers 1B, 2B, 2BPG, Vibro-Lo models	5.5	156	0.15	
Long reach scalers/scrapers	4.5	126	0.13	Consider electric powered compressors for this range of tools for the most economic solution
Single head scabblers	6.5	186	0.18	
Needle scalers 3B, 3BPG, 4B	8.0	228	0.22	
Three headed scabblers	15.0	408	0.42	This range of tools will run from a single tool portable compressor, consider a unit similar to the Kaeser M13 if available.
Pole scabblers/tampers	25.0	708	0.70	
PPT pneumatic hand scarifiers	30.0	840	0.84	
Vacuum/dust collectors	35.0	995	0.98	
MHS11 floor scabbler	55.0	1560	1.54	Requires single tool compressor
TFP pneumatic floor scarifier	170.0	4956	4.76	Requires large portable compressor

## MARINE EQUIPMENT

Tool / Machine	Cubic Feet Per Minute (CFM)	Litres Per Minute (LPM)	Litres Per Second (LPS)
Pneumatic drum top vacuum	35.0	995	0.98
Trident Neptune deck scaler	66.0	1872	1.85
SF11 deck scaler	70.0	1982	1.96
Hydraflex Hold Cleaning Jet	70.0	1982	1.96

The smaller hand tools up to 8.0 CFM will comfortably run off small electric powered compressors.

Tools above 10.0 CFM up to 70 CFM for site work will comfortably run off a 'single tool' compressor or, Kaeser compressors have a small unit (M13) which will run tools up to 1.2 cubic metres of 42 cubic feet per minute.



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

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