

## LOW VIBRATION NEEDLE / CHISEL SCALERS

**VL**


VL 303



VL 223



VL 203

**OUTSTANDING PERFORMANCE AND SAFETY THROUGH EFFICIENCY WAS THE PRINCIPLE OBJECTIVE BEHIND THE DESIGN OF THE VL RANGE OF SCALING TOOLS.**

Trelawny's Vibro Lo<sup>TM</sup> range of vibration reduced needle and chisel scalers are virtually 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 standard needle scalers.



Low vibration



Dust control options available

See page 72 for our full range of vacuums



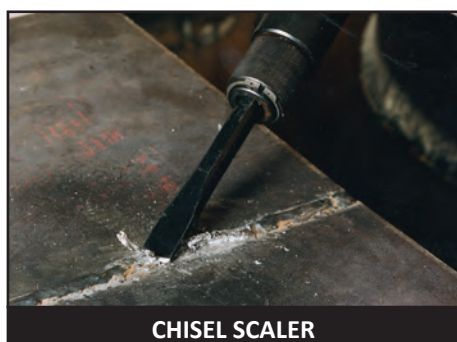
Non spark options available

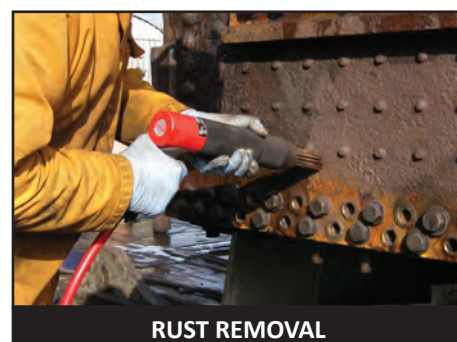
## FEATURES

- Range of sizes for performance
- Pistol grip and in-line configurations
- 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
- Available as a needle or chisel scaler for multiple applications

## APPLICATIONS

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











**CHISEL SCALER**

**VL303 NEEDLE SCALER**

**RUST REMOVAL**

# LOW VIBRATION NEEDLE / CHISEL SCALERS

**VL**

## KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Description
	418.2003	Dust shroud to fit VL223 and VL203 Scalers
	418.3003	Dust shroud to fit VL303 Scalers
		
	815.5550	Whip Check
	421.3450	Whip Hose Consists of air hose ¼" BSP claw - 2m
	859.1530	BSP ¼ Inline Lubricator
	458.1530	¼ BSP Inline Lubricator Assembly Consists of whip hose, whip check and ¼ lubricator
	720.2003	Fall Arrester to fit VL203 and VL223 Scalers
	720.3003	Fall Arrester to fit VL303 Scalers
	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

- Note: Please see page 80 for the full range of replacement needles

## TECHNICAL DATA

Model	Part Number	Type	Needle Quantity	Weight (kg)	Blows per minute (BPM)	Air Consumption (lps - cfm)	Air Inlet Size (BSP)	Noise Level (LwA db(A))	Vibration Level (Aeq m/s²)
VL223 Needle	196.2103	In-line	19 x 3 mm	2.35	2400	1.89 - 4	¼	90.7	2.56
VL223 Chisel	196.2213	In-line	-	2.95	2400	1.89 - 4	¼	76.3	3.69
VL203 Needle	196.2003	Pistol Grip	19 x 3 mm	2.7	2400	1.89 - 4	¼	90.7	2.75
VL203 Chisel	196.2203	Pistol Grip	-	3.2	2400	1.89 - 4	¼	76.3	3.33
VL303 Needle	196.3003	Pistol Grip	28 x 3 mm	3.51	3000	2.6 - 5.5	¼	109.5	2.3
VL303 Chisel	196.3203	Pistol Grip	-	4.25	3000	2.6 - 5.5	¼	78.2	3.7

## NEEDLES - A MARK OF EXCELLENCE FROM TRELAWNY


Trelawny offer the highest quality needle 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 & 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 1000 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
	453.1307	3mm	Box of 500 Needles



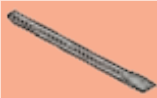




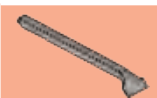
### STAINLESS STEEL NEEDLES

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

## CHIPPING HAMMER ACCESSORIES & TOOL KITS

### KEY CONSUMABLES & ACCESSORIES

Image	Part Number	Shank Type	Length (mm)	Blade width (mm)	Application
	704.1101 704.3101*	Square	178mm	19mm	Weld spatter removal
	704.1103 704.3103*	Square	178mm	64mm	Wide flat chisel for the removal of peeling paint and rust
	704.1105 704.3105*	Square	254mm	64mm	Wide flat chisel for the removal of peeling paint and rust
	704.1106	Square	203mm	6mm	Mortar removal for repointing brickwork
	704.1107 704.3107*	Square	254mm	19mm	Flat chisel for weld spatter and sand cast cleaning
	704.1110 704.3110*	Square	178mm	50mm	Spark resistant Aluminium Bronze for use in hazardous areas 
	704.1112	Square	178mm	Moil Point	Concrete chipping
	704.2105 704.3205*	Square	178mm	35mm Cranked	Weld flux and thick coating removal

\* - Chisels to suit Low vibration Range (VL203, VL223 & VL303)

### LOW VIBRATION SCALER KIT

#### VL 303 NEEDLE/CHISEL SCALER KIT - 196.3105

##### Kit Includes:

- Black carry case
- VL303 needle scaler
- Allen key (6mm hex.)
- ½" chisel holder VL303
- VL303 anvil (chisel holder)
- 4 x plastic ball (6mm. diam)
- 28 x 3mm chisel tip needles
- VL chisel ½" square x ¾" wide
- VL chisel ½" square x 2 ½ wide
- Connector ¼ BSP T - 3/8 stem

