

# Standard Needle/Chisel Scalars

## Standard Needle and Chisel Scalars

Grip	Description	Model Number	Needle Qty./Dia.	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s <sup>2</sup>
Inline	1B Needle Scaler	111.1099	12 / 3mm	3.5	3800	3.0	110.4	8.5
	1B Chisel Scaler	114.1200	N/A	3.3	3800	3.0	98.9	8.2
	2B Needle Scaler	121.2099	19 / 3mm	5.75	3000	5.5	113.3	9.3
	2B Chisel Scaler	124.2200	N/A	4.4	3000	5.5	98.6	17.4
Pistol	2BPG Needle Scaler	123.2199	19 / 3mm	5.75	3000	5.5	113.3	12.6
	2BPG Chisel Scaler	125.2300	N/A	4.5	3000	5.5	98.6	22.4
	3BPG Needle Scaler	133.3199	28 / 3mm	8.25	2200	8.0	114.5	18.9
	3BPG Chisel Scaler	135.3300	N/A	6.2	2200	8.0	105.1	25.6
	3BPG Chisel Scaler*	135.3395	N/A	6.2	2200	8.0	105.1	25.6
Semi Pistol	3B Needle Scaler	131.3099	28 / 3mm	10	2200	8.0	114.5	12.2
	3B Chisel Scaler	134.3200	N/A	7.5	2200	8.0	105.1	19.9
	4B Needle Scaler	141.4099	35 / 4mm	12.5	1800	8.5	117.4	23.5
	4B Chisel Scaler	144.4200	N/A	8.2	1800	8.5	105.1	45.2

See page 9 for needles:

- Chisel** for light surface marking
- Flat** for light treatment and polishing effect
- Pointed** for very hard scale
- Copper Beryllium**  for use in potentially explosive areas
- Stainless Steel** for use in applications where corrosion or humidity is a problem, such as the food processing industry

\* 3BPG Chisel Scaler 135.3395 has 5/8" hexagonal chisel holder and is compatible with chisels shown on page 10. All others Chisel Scalars shown above have 1/2" square connection.



Inline Grip



### Dust Collection Shroud for Standard Needle Scalars

Optional Dust Shroud for Needle Scalars – for use with dust extraction vacuums.  
 Model 2B and 2BPG Needle Scalars – Order Dust Shroud P/N 418.2199  
 Model 3BPG Needle Scaler – Order Dust Shroud P/N 418.3039



Pistol Grip

## TVS™ Needle Scalars with Integrated Vacuum Shroud



CS Unitec's Trelawny™ TVS™ Needle Scalars with Integrated Vacuum Shroud enable dust-free working in hazardous applications when used with a dust extraction vacuum (see page 15 for dust collection systems).



Semi Pistol Grip

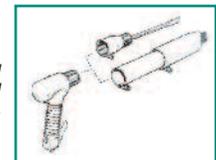
Grip	Description	Model Number	Weight (lbs.)	Blows per minute	CFM @ 90 PSI	Noise Level db(A)	Vibration Levels m/s <sup>2</sup>
Inline	2B Needle Scaler	139.2007	6.4	3000	5.5	98.6	17.4
Pistol	2BPG Needle Scaler	139.2107	6.6	3000	5.5	98.6	22.4
	3BPG Needle Scaler	139.3107	9.9	2200	8.0	105.1	19.9

## Chisels for Standard Chisel Scalars

 1/2" Square Connection

Chisel Part No.	Shank	Length	Width	Application
704.1110	Square	7"	2"	Spark-resistant Aluminum Bronze for use in hazardous areas 
704.2105	Square Cranked End	7"	3/8"	Weld flux and thick coating removal
704.1101	Square	7"	3/4"	Weld splatter removal
704.1103	Square	7"	2-1/2"	Wide flat chisel for the removal of rust or peeling paint
704.1107	Square	10"	3/4"	Flat chisel for weld splatter and sand cast cleaning
704.1106	Square	8"	1/4"	Mortar removal for repointing brick work
704.1112	Square	7"	Moil Point	Concrete chipping

Standard Needle Scalars and Chisel Scalars convert in seconds with optional head or when purchased as a Kit. Contact us for more information.



CS Unitec offers a full line of non-sparking, non-magnetic chisels and safety hand tools for hazardous areas and Ex zones. Contact us for details.



Above: Model 1B Chisel Scaler with Square Cranked End Chisel for removal of flux

# Needles

CS Unitec's Trelawny™ needles last 10x longer than standard needles. Save time and money with fewer needle changes and less downtime.

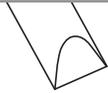
All of CS Unitec's Needle Scalers are delivered from stock complete with 180mm long x 3mm diameter chisel tipped high performance needles. Other needle holders are available as accessories for use with 2mm and 4mm diameter needles. We also offer spark resistant needles for use in potentially hazardous areas and Ex zones, as well as stainless steel needles for use in humid areas - such as applications in the food processing industry - where corrosion is a concern.

Standard pack set is one carton of 6 sets. Some models are packed as an individual set in a box. Boxes of 100 qty. needles in a durable, reusable plastic container are available, as well as larger quantities.



## Chisel Tip

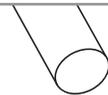
These needles will clean the same materials as a pointed tip, but will leave light surface marking



Size	Description	Part #
3mm	6 x sets of 12 needles	413.2112
3mm	6 x sets of 19 needles	413.2119
3mm	6 x sets of 28 needles	413.2128
3mm	6 x sets of 49 needles	413.2149
3mm	Box of 100 needles	453.2110
3mm	Box of 1000 needles	443.2107

## Flat Tip

Flat-tipped needles will reduce marking on metal surfaces and can give a polishing effect. For use on thin gauge metals and any surface where a light treatment is required.



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

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

## Pointed Tip

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.



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

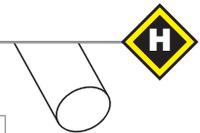
See page 15 for dust extraction systems.

### Conversions:

2mm = 0.08"  
3mm = 0.12"  
4mm = 0.16"  
180mm = 7"

## Spark-Resistant Copper Beryllium

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

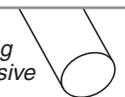


Size	Description	Part #
3mm	Box of 12 needles	403.1312
3mm	Box of 19 needles	403.1319
3mm	Box of 28 needles	403.1328
3mm	Box of 49 needles	403.1349
3mm	Box of 100 needles	453.1310
3mm	Box of 500 needles	443.1307

## Stainless Steel

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 needle is undesirable.



Size	Description	Part #
3mm	Box of 100 needles	453.1207
3mm	Box of 500 needles	443.1207

## Dust Collection Vacuums with HEPA Filtration

CS Unitec's dust extraction vacuums offer strong 130 CFM air flow and an electromagnetic pulse filter cleaning system to maximize vacuum power and dust collection.

- Ideal for use with power tools
- 99.999% HEPA filtration efficiency of particles down to 0.3 microns; automatic filter cleaning
- "Power Take Off" outlet activates the vacuum ON/OFF from the power tool switch
- Non-HEPA models available, 99.930% filtration efficiency
- Kit available to connect two power tools (P/N 198804)



CS 1225 H



Model CS 1445 H automatically "pulse" cleans filters without interrupting operation!



**Activate vacuum on/off from power tool controls**

**Collect concrete, stone drywall and wood dust directly from tools**

### HEPA Vacuum Specifications

	CS 1225 H	CS 1500 H	CS 1445 H
Power	11 Amp	11 Amp	11 Amp
Air flow	130 CFM	130 CFM	130 CFM
Tank capacity	6.6 gal.	13 gal.	9 gal.
Weight	24.3 lbs.	35.2 lbs.	24.3 lbs.
Filter P/N (2pk.)	428956	428956	428956

### Standard Vacuum Specifications

	CS 1225	CS 1500	CS 1445
Power	11 Amp	11 Amp	11 Amp
Air flow	130 CFM	130 CFM	130 CFM
Tank capacity	6.6 gal.	13 gal.	9 gal.
Weight	24.3 lbs.	35.2 lbs.	24.3 lbs.
Filter P/N (2pk.)	416069	416069	416069

#### Optional Filter Bags

Paper filter bags for CS 1225 and CS 1445 - P/N 435305 (5-pack)  
 Plastic filter bags for CS 1225, CS 1445 and CS 1500 - P/N 421742 (5-pack)  
 Paper filter bags for CS 1500 - P/N 416021 (5-pack)  
 Slurry filter bags for CS 1500 - P/N 420592 (3-pack)

**Cleaning Kit for CS 1225, CS 1500 and CS 1445** - P/N 063201  
 Includes floor cleaning tool, crevice tool, 2 tubes and handle.

We make no claim that use of a vacuum will eliminate contaminants. Wear an approved respirator mask and follow all appropriate OSHA safety regulations for proper ventilation, dust handling, eye protection, etc. when using a dust extraction grinder and vacuum.



CS 1500



**Water Recycling and Slurry Containment Vacuum available. See page 27 for more information.**