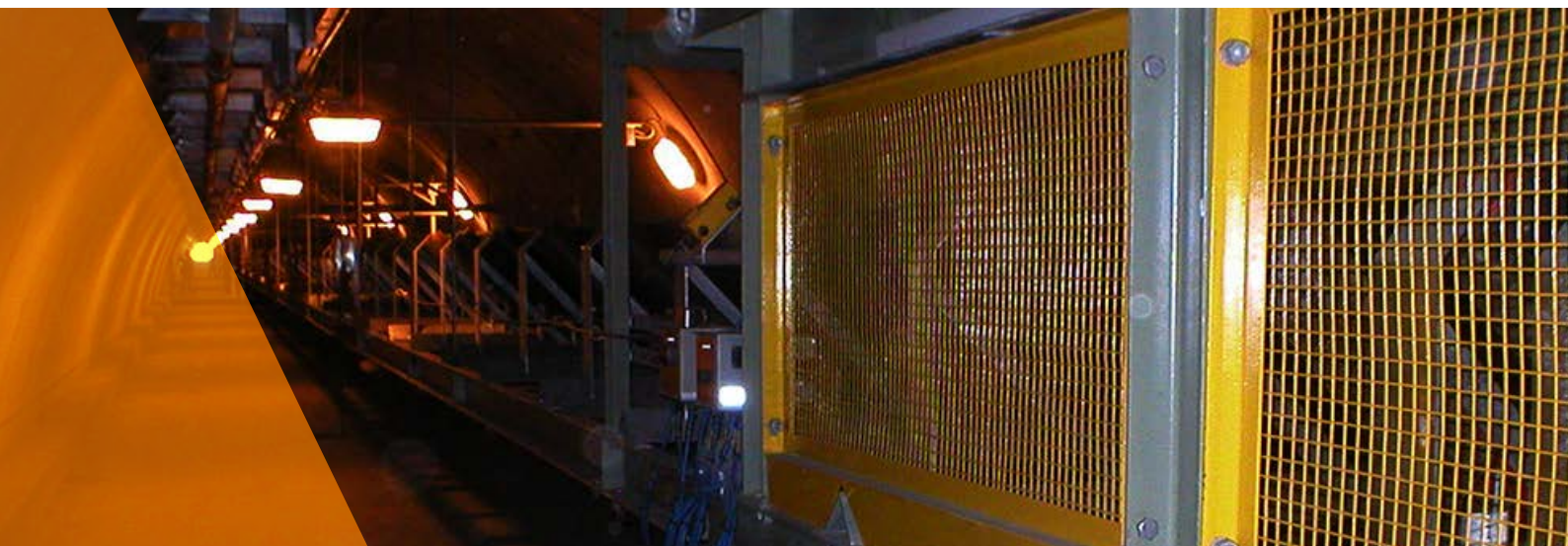




A MEMBER OF THE TAIYUAN HEAVY MACHINERY GROUP (太重集团)



UNDERGROUND CONSUMABLES

WWW.VLI.COM.AU



ABOUT VLI

VLI is a market leader in the supply of specialised equipment and allied services to the mining and bulk materials handling industries.

VLI was founded through the mergers of well-respected brand names such as Tyton, SMV, Juganaut, PitTop and Unirod. Combined, these resources created an Original Equipment Manufacturer (OEM) that possesses extensive experience and a broad range of technology and services for the benefit of our customers.

We provide a comprehensive and diverse range of technology and services including diesel vehicles and maintenance services, drilling rigs and services and bulk materials handling systems, which are designed and manufactured by our specialist teams with access to world best technologies.

Our commitment to Research and Development enables us to deliver high quality, innovative solutions for all types of mining, transportation and bulk materials handling industries. Through our commitment to the three key standards to which we are certified, Quality ISO 9001, Health & Safety AS/NZS 4801 and OHSAS 18001, VLI is committed to the highest standards in quality and safety.

It is our mission to provide technology which will improve both the productivity and safety of the workforce as well as provide a safe and environmentally friendly environment for staff and the broader community.

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POGO STICKS

POGO Sticks are widely used in every underground mine in Australia, primarily for holding brattice in place for ventilation systems.

VLI's POGO range is available in various lengths to suit different seam heights. POGOs are also available in Convergence Monitor and Depth Marker formats.

SIZE RANGE

VLI Part Code:

ZCPS8X8	2.7m to 4.5m
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ZCPS6X6	2.1m to 3.4m
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ZCPS6X5	1.8m to 3.0m
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ZCPS5X5	1.8m to 2.7m
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PRODUCT FEATURES

Sturdy construction

One-man operation

Reflective tape

Safety caps

SCREW PROP

The Acrow Prop, or Screw Jack, is used for various applications throughout mine sites. VLI supplies galvanized steel Acrow Props in four different sizes. They are easy to install, and come complete with safety hooks and a Safe Working Load rating sticker.

SIZE RANGE

VLI Part Code:

No.00 – 0.7m – 1.2m

No.01 – 1.6m – 2.8m

No.02 – 1.9m – 3.4m

No.03 – 2.1m – 3.9m

No.04 – 3.1m – 4.9m



SNAP JACKS

Available in two different sizes, VLI's Snap Jack is a variable-length jack featuring steel tube construction, quick-lock handle, and three panels for securing brattice. These are used for trailing cable protection, brattice installation, and holding ventilation. Snap Jacks can also be supplied to suit Communication Pods.

SIZE RANGE

VLI Part Code:

ZSJ1.8-2.4 – 1.8m – 2.4m

ZSJ2.4-4.0 – 2.4m – 4.0m



HOOK HANGERS

VLI offers a comprehensive range of hangers to accommodate virtually any application of cable, hose, or ancillary equipment suspension. Hangers are available in 1 to 14 hook arrangements, and can be supplied with mesh hooks or roof bolts for hanging.



M24 Mounting Nut



Mesh Mount



M24 Bat Wing Nut



M24 U Nut



2 Hook Mesh



2 Hook Seagull



6 Hook M24



4 Hook Mesh



4 Hook Mesh



6 Hook Mesh

HAVE A DESIGN IN MIND?

Have a design in mind?
Draw a sketch to the right
and send an email through to:
sales@vli.com.au
for a quick and easy quote.

KEYHOLE HANGING BRACKETS

VLI have developed and supply an extensive range of hanging brackets for the suspension of underground services such as cables, pipes, vent ducting and conveyor structure. Brackets are available in a wide range of configurations and designs to suit various loads and applications.

Note: Safe working loads for Key Hanging Brackets are dependent on application, and can be calculated on request.

RECOMMENDED WORKING LOADS

Safety Factors based on failure is at 6:1

Safety Factors based on yield is at 2:1

Figures given are for static loads

Hangers used with 8mm and 10mm chain

POSSIBLE CONFIGURATIONS

FEATURES	OPTIONS
# Keyholes	1 to 14
Mount Style	M24 or Single/Multiple through holes
Bracket Section	Angle or bent plate
Supports	Keyholes with or without chain
Finish	Galvanized, painted, powder coated or black
Special Markings	Reflective tags, stickers & tape

Single Key Hole



Double Key Hole





High Vis Brackets

Brackets can be supplied with reflective markers to indicate escape routes.



Triple Pipe Hanging Bracket



11 Key 3mm Plate

WEBBING STRAPS

Web straps, or 'Snarkem' straps, are used every day in mining for housekeeping and cable maintenance. VLI supplies straps in many configurations, with various hooks, strap sizes, lengths and colours. Each strap is Safe Working Load tested and tagged, with test certificates available upon request.



300mm SWL
200kg 'Snarkem'

HOOKS AVAILABLE

6mm 'S' Hook

6mm Snap Hook

LENGTHS AVAILABLE

300mm

450mm

500mm

1000mm

NEED A DIFFERENT DESIGN?

Length

Width

Hook

Special Requirements

Send your request to:
sales@vli.com.au

CABLE AND HOSE ROLLERS

VLI Cable Rollers provide a safe and inexpensive method of handling cables and hoses. These products help to eliminate nearly all cable and hose damage, and the associated downtime. VLI's comprehensive range covers every conceivable cable and hose configuration.

METHOD OF ATTACHMENT

Swivel Head

Retractable Chain

Variable Height

Chain Restraints

Safety Hook Style

M24 Mounting Nut

DURABLE

Solid robust construction

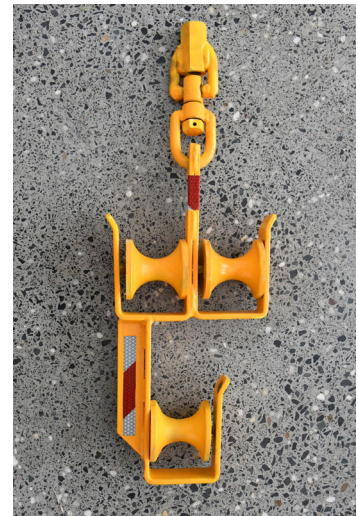
Lightweight - Easily Installed

Large Diameter Rollers

Poly Rollers Available



Double Vertical Swivel M24



Triple cable hanger c/w swivel top



Double Horizontal M24 Roof Attachment



Double cable roller c/w hook mount

CABLE ANCHORS

VLI's range of Cable Anchors has been developed to suit attachment points for shuttle car and miner cables. These products feature webbing straps for cable attachment, and ensure an evenly distributed tension on the cable. This helps eliminate costly damage caused by pinching and similar issues.

FEATURES

Hook, D Shackle, Threaded Lug Attachment

25mm or 50mm Webbing Straps

2200kg Minimum Breaking Strain

Self Cleaning Spring

Easily Installed

Poly Protection Sleeve

OPTIONS

Spring Tension Safety Chain

Safety Chain with Additional Hook

Additional Chain Restraints



Cable Anchor

FIBREGLASS VENT TUBES

Safe operation of an underground mine is dependent on proper mine ventilation systems. VLI supplies a range of FRAS, Mines Department Approved vent tube to cover all areas of inline ventilation.

The Mineglass vent range is manufactured using a fine-filament, spiral-wound construction, which is fully impregnated with a FRAS resin throughout the entire wall thickness. This product is approved for use throughout New South Wales and Queensland by the New South Wales Mine Safety Technology Centre.

AVAILABLE SIZES

618mm

718mm

750mm

900mm

PRODUCT CONFIGURATIONS

Straight Tubes

Oval Tubes

90° Elbow

70° elbow

45° elbow

T pieces

70° Y pieces

End caps

Regulators

Catchment points



90° and 45° Elbows



Transition - Round to Oval



Straight Tubes - Stocked



Inline Regulator



Regulator End Caps



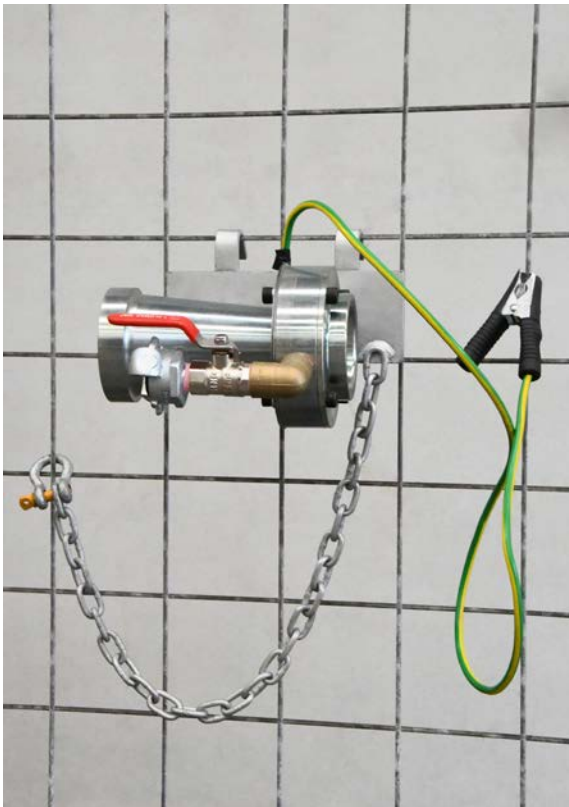
Velcro Vent Bands

VENTURIS

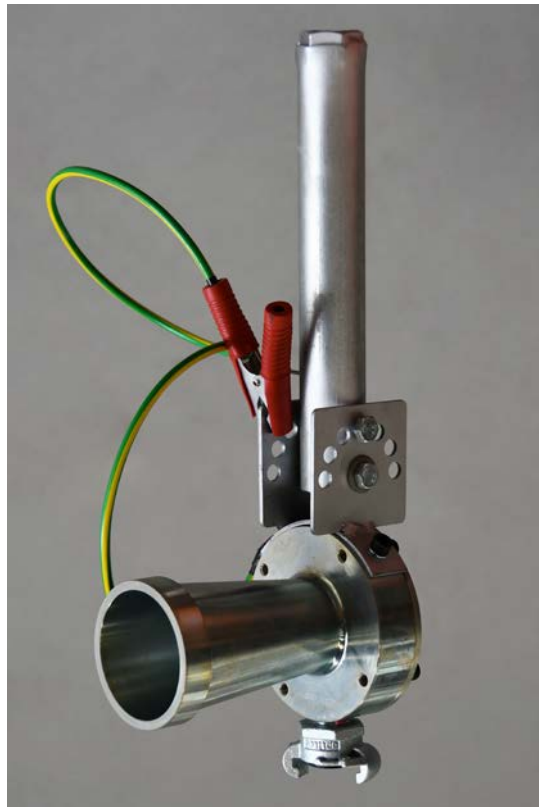
Venturis, also known as Air Multipliers, are critical in areas where airflow is restricted. They contain no moving parts, and require minimal to no maintenance once in place.

VLI's venturis can be easily installed, and come available with various mounting options for different applications.

Sizes range from small (1.2cm³) to large 'Jetflow' units (5.5cm³), and can be used as standalone units or attached to lay-flat duct or hosing.



50mm Mesh Mount Venturi



50mm M24 Mount Venturi

REFLECTIVE MARKERS AND DROPPERS

Reflective marking is critical for safe underground mining.

Providing visual aids for delineation, hazards, pipe works, no-go zones, and so on. VLI stock an extensive range of reflective material to satisfy all visual aid requirements.

HAUL ROAD MARKERS

Easy to use

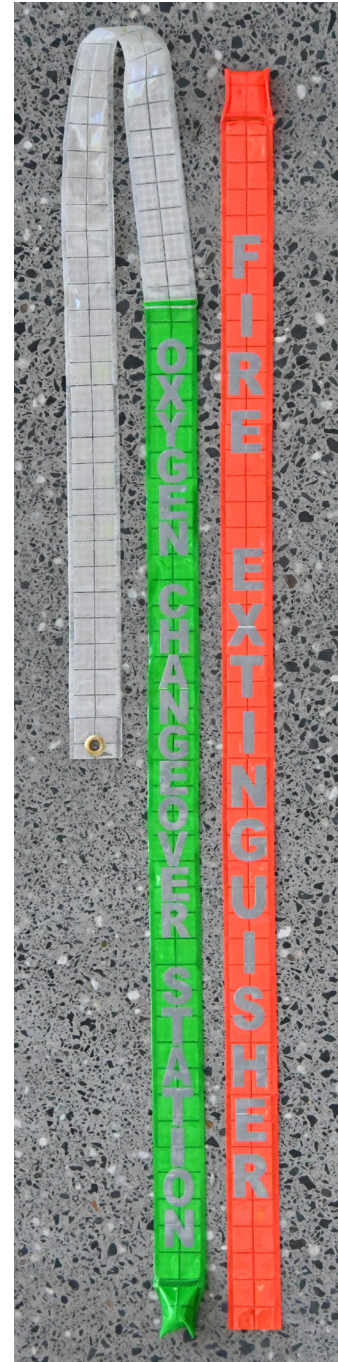
Easy to see

Made for site-specific applications

Very lightweight

Highly reflective

Large range of colours and designs available



SPECIALTY REFLECTIVE

Specialty designs available for:

Lifelines

Oxy change-over stations

Tag boards

Fire extinguishers

First aid boxes

... And many more



LIFELINES AND AERIAL DROPPERS

VLI supplies lifeline and aerial droppers in standard and made-to-length sizes, in flexible or rigid material.

These are easily attached to roof bolts, and feature a quick connector for rope at the bottom.



PVC Aerial Dropper



Steel Aerial Dropper



Lifeline

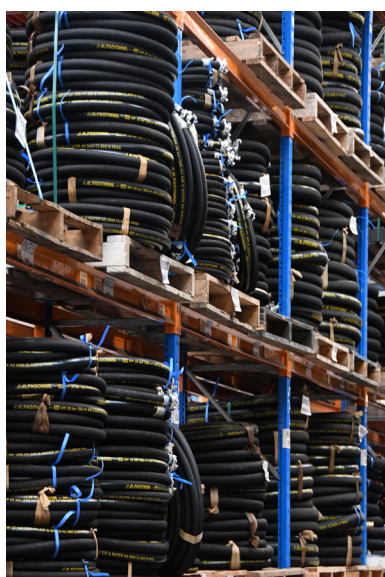


Directional Cone

HOSES

VLI manufactures hose assemblies for the underground coal mines of the Australian east coast.

As a part of VLI's quality and safety assurance, all of our hoses are assembled and QA checked in line with our ISO 9001 accreditation, with a tag attached to show the assembly date, part number, production number and assembler.



APPLICATION

Hoses can be made to suit the following applications

Methane drainage

Air and water

Mine bolters

Mine dewatering

HOSE ENDS

Hose ends are to the customers' requirement. We can fit;

Brass camlock fittings

Minsup claw fittings

Swaged victaulic fittings for large diameter hoses



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