

# Core Storage & Handling



## Almonte Automatic Core Saw

The Almonte Automatic Core Saw has and is constantly being updated by robotics specialists and automation engineers. It is guaranteed that all electrical equipment and wiring has been installed by qualified and licenced electricians — which is only one of the multiple reasons the saw meets all safety standards.

**Almonte Automatic is the world's safest Core Saw.**

Phase 3 380-480V 50HZ



	SKU	DESCRIPTION	SIZE
A	1148-10000	Almonte Automatic Core Saw	380-480V 50HZ*
B	1148-00009	Almonte Recycle Water Unit	230L water capacity

*\*Please confirm site power requirements when requesting a quote or ordering.*

Note: The Core Saw and the recycle water unit are sold separately.

### Variable Core Sizing

Handles all core from B to P. Pieces up to 400mm long may be fed with ease. Broken core samples are also handled easily.

### Self-Flushing

Water, dust and mud spill drains away. Mess is reduced to a tidy minimum.

### Almonte Worldwide Safety Standards and Qualifications:

- CE – The Almonte Core Saw has passed all the vigorous tests to be awarded the safety mark “CE” from the European authorities.
- AS 4024 .1501 – Plant safety in the mining industry.
- Cat 4 – The Almonte Core Saw qualifies for a Category 4 rating. The Almonte Automatic Core Saw complies with and is recognised by the Australian Safety Standard, Also it is quality controlled by a licenced electrical engineer.
- We make core saws suitable for the voltages in the range of 220V to 480V, all our saws runs on 3 phase power; these saws are supplied at specific voltage of the country of export.
- The control panel is conveniently located at the front of the machine therefore alleviating any risk that can be caused by having to lean over to control the machine which can lead to articles of clothing being caught by moving parts leading to possible injury.

Almonte Automatic Core Saw demonstration video is available on our website: [westernex.com.au](http://westernex.com.au)

## Almonte Recycle Water Unit

This unit was designed to recycle water for use with the Almonte Automatic Core Saw. Using this unit can save up to 8000L of water per day.





## Almonte Automatic Core Saw

### Blade Efficiency

The diamond blade life is significantly improved. The motor speed is set to a recommended 2,500rpm for optimum cutting efficiency and a greatly improved blade life.

Research and development on our blades is an ongoing task to ensure that we bring you the best in our range.

### Operator Safety

The Almonte Automatic Core Saw offers a quantum leap in operator safety and user friendliness.

Safety features include:

- A fully enclosed blade guard.
- A unique patented RFID safety device incorporated within the red handle that shuts down the saw if the blade guard is raised exposing the blade.
- The RFID system cannot be overridden by inserting something between the sensors.
- The drive feed activation is linked to blade operation; neither operates in isolation to the other.
- Computer controlled drives constantly monitor blade speed, pressure and feed chain speed.
- Operation shuts down if maximum pressure is exceeded.
- A reverse drive mode to enable safe, easy clearance of obstructions.

### Heavy Duty

The sturdy construction can be attributed to the heavy duty steel that is primed and powder coated to resist corrosion, and to provide years of hard work and reliability.

### Noise Reduction

The sound insulation kit dramatically reduces noise levels and noise fatigue. These kits can be supplied should they wear out or get damaged. Sound dampened blades will also assist in the reduction of noise.

### Spare Parts

Almonte carries the full range of spare parts for your core saw. All parts are ex works and in smalls stock at all times to ensure your machine stays up and running.

### Suits Most Power Supplies

The Almonte Automatic Core Saws are available in models to suit majority of power supplies around the world.

### Warranty Protection

12 months written warranty applies to motor and gearbox components under normal operating conditions. Replaceable components such as chains and blades are not covered by the warranty.



## Consumables

### Yellow Diamond Blade

The yellow blade will cut materials of soft to medium hardness.

SKU	DESCRIPTION	SIZE
1148-00023	Yellow	12" 300mm
1148-00024	Yellow Sound Dampened	12" 300mm



### Orange Diamond Blade

The orange blade will cut medium to hard material. Also available as a sound dampened blade.

SKU	DESCRIPTION	SIZE
1148-00022	Orange	12" 300mm
1148-00019	Orange Sound Dampened	12" 300mm



### Green Diamond Blade

The black blade is the first choice for harder materials, but the green blade is an alternative and is dependent on the composition of the rock. The green blade will cut slightly harder material than the orange blade. Also available as a sound dampened blade to special order.

SKU	DESCRIPTION	SIZE
1148-00021	Green	12" 300mm
1148-00060	Green Sound Dampened	12" 300mm



### Black Diamond Blade

The black blade is used for hard to very hard cores e.g. magnetite & banded iron.

SKU	DESCRIPTION	SIZE
1148-00081	Black	12" 300mm
1148-00020	Black Sound Dampened	12" 300mm



Visit Almonte Diamond website for more information  
[almontecoresaw.com.au](http://almontecoresaw.com.au)

## Consumables

### Silver Blade

Alternative to Black blade to cut very hard material. Mainly for iron ore and other very hard material. Harder and more abrasive material will generally reduce the life of the blade.



SKU	DESCRIPTION	SIZE
1148-00090	Silver Blade	12" 300mm

### Pink Diamond Blade

The Pink blade is used for very hard to extremely hard core, complementing the black blade. Note depending on the core the black blade is better on some core than the pink is on others.



SKU	DESCRIPTION	SIZE
1148-00058	Pink	12" 300mm
1148-00050	Pink Sound Dampened	12" 300mm

### Continuous Diamond Blade

For use on very soft material (such as clays, malachite etc.) and brittle rock that is susceptible to shattering if using blades with segments.



SKU	DESCRIPTION	SIZE
1148-00057	Continuous Diamond Blade	12" 300mm

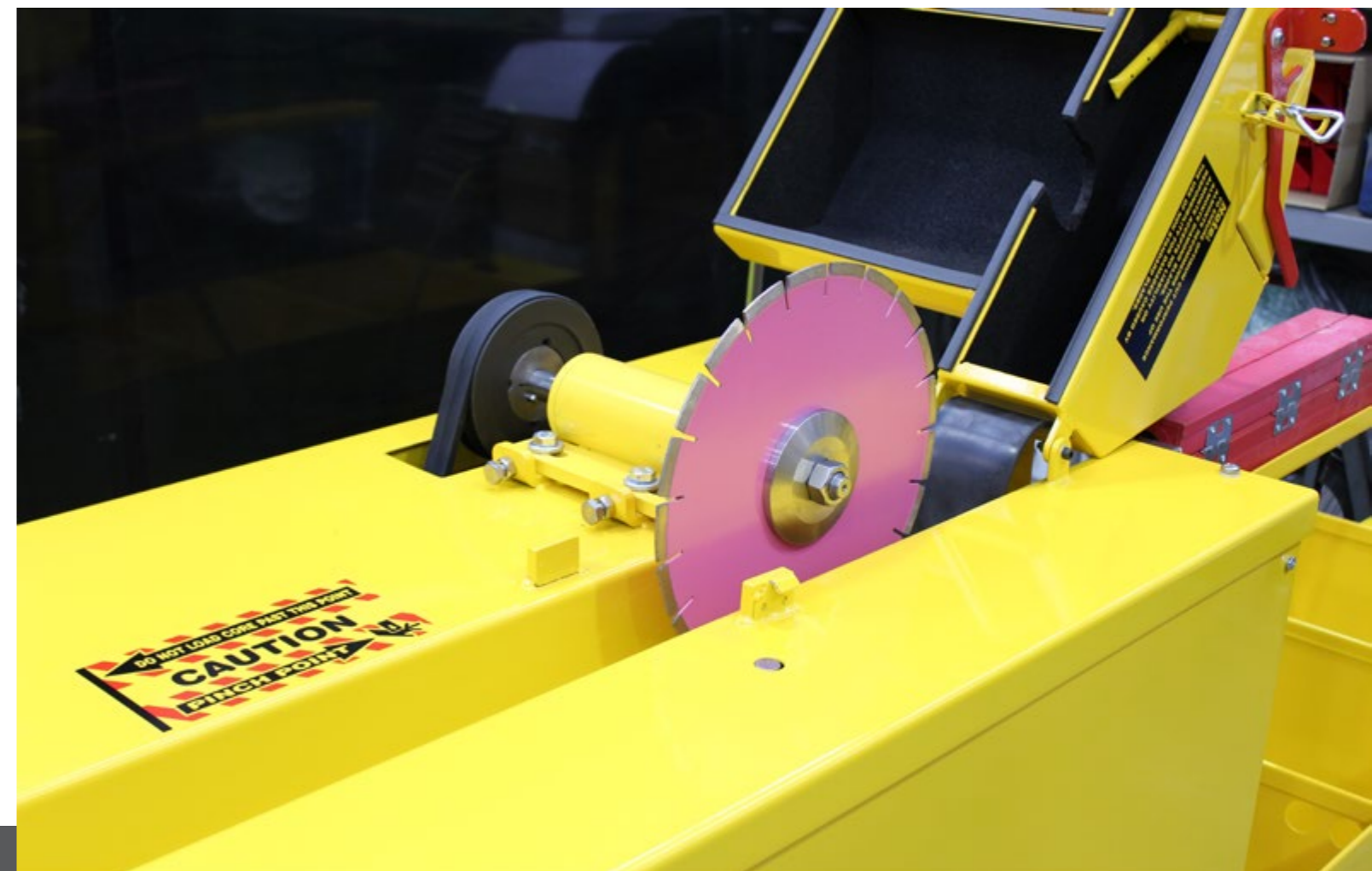
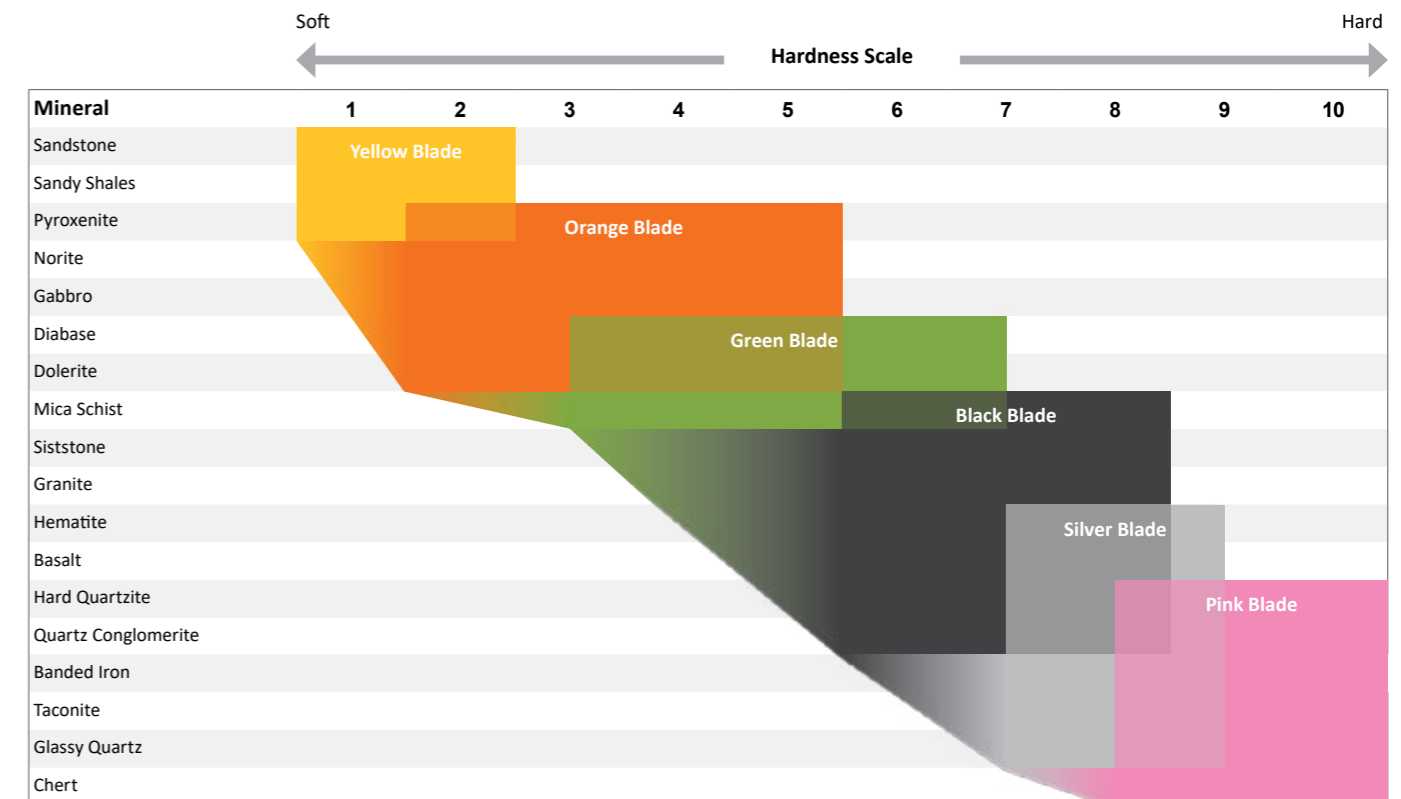
### Other Diamond Blades Available

For other blade options, please get in contact with our sales team at [supply@westernex.com.au](mailto:supply@westernex.com.au) in order to discuss and nominate the appropriate blade for its purpose.



## Almonte Blade Hardness Scale

**PLEASE NOTE:** This guide is intended only as an indication of the type of blade that could be used on different minerals. It is known that within each rock type, there are variations and different levels of abrasiveness.





## Consumables

### Almonte Flip Top Core Carriers

These carriers are specifically catered towards broken cores (the flip tops and lids encase the core to keep everything in place).



SKU	DESCRIPTION	SIZE
1148-00106	Almonte Flip Top Core Carrier	B
1148-00104	Almonte Flip Top Core Carrier	N
1148-00105	Almonte Flip Top Core Carrier	N2
1148-00110	Almonte Flip Top Core Carrier	N3
1148-00103	Almonte Flip Top Core Carrier	H
1148-00111	Almonte Flip Top Core Carrier	H3
1148-00109	Almonte V-Core Holder with Lids	P

### Almonte V-Core Holders

These core holders have open tops and are more catered towards whole cores.



SKU	DESCRIPTION	SIZE
1148-00102	Almonte V-Core Holder	B, N, N2 & H
1148-00101	Almonte V-Core Holder	P

### Almonte Recycle Water Unit

This unit was designed to recycle water for use with the Almonte Automatic Core Saw. Using this unit can save up to 8000L of water per day.

SKU	SIZE
1148-00009	230L water capacity



### Almonte Shipping Crate

These come in two different sizes—one to fit the saw solely and the other to fit both the saw and recycle tank. The larger size also meets the maximum dimensions allowed via air transport.\*

SKU	DESCRIPTION
1148-00072	Saw
1148-00073	Saw & Recycle Tank

*\*Both crates have been treated and meet the IPPC standard.*



## Mount Isa Core Saw Hire

After many requests for an automatic Core Saw hire facility, particularly by smaller tenement holders, Westernex has made it a reality. The site is now complete and ready for hire. The Almonte fully automatic core saw is the perfect accompaniment for the Core Trays, Blades, Carriers and all your exploration and Core cutting supplies.



Please get in touch with one of our Mount Isa branch staff members to book time on the machine that suits your requirements.

WESTERNEX MT ISA BRANCH

Contact Details

Phone: (07) 4743 2122

Email: [mtisa@westernex.com.au](mailto:mtisa@westernex.com.au)







## Almonte Automatic Core Cutting Facility

### Features & Benefits

The most efficient and safe way to cut core in the comfort of air-conditioning, fitted with the world's safest and vastly superior truly Automatic Almonte Core Saw.

This fully air-conditioned, insulated modified refrigerated container has been converted into the best core cutting facility on the market. Available as a permanent fixture or to be used as a portable cutting station, trays are loaded with core to be cut and then exit out of the other end, ready for sampling.

The PVC strip curtains prevent flies and help to keep the cool air inside the container.

There is a roller door on the side, which is perfect if the team is short-staffed, as one person can cut and sample at the same time by positioning the pallet and empty cage behind them. Having a roller door on the side, also make it possible to easily lift out the core saw with a forklift if you ever want to re-purpose the container in years to come.

#### Each Standard Core Cutting Container comes with:

- Almonte Automatic Core Saw
- Almonte Recycle Water Unit
- Split system air conditioner
- Roller Racking - Entry Racks in the door and Exit Racks out the rear
- Internal Lighting
- Personnel Door in Side of Container
- 3 Phase Power Sockets
- PVC Strip Curtains
- Roller door on the side (with forklift access)



SKU
1148-90000

These containers can be customised by adding an electrical air curtain and any other requirements to suit all customers. The standard unit is available to hire or buy.



## Core Cutting Facility Container

### Structural Features

- 20' 8'6" Insulated Container
- Second-Hand Refurbished
- Wall thickness 75mm
- Standard Double Doors
- Stainless Steel Interior
- Floor Type: Standard Ali T Bar

SKU
1148-90000

### Structural Modifications

- 100mm Cool Room Panel fit to end (where RF Unit used to be) 1x side recessed for the A/C as per diagram.
- Front Personnel Door High Security Anti-Vandal with handle, Opening: 814mm (W) x 2015mm (H) OS: 910mm (W) x 2065mm (H)
- PVC Air Curtin installed to Front Personnel door B
- Side Roller door manual operation with center key lock 2500 (L) x 2000 (H) Ht approx with PVC Air Curtin A
- T-Bar floor painted with non slip paint
- Floor Drains 7x 4xfront 3x rear with a small trough at each end (for easy cleaning)
- Window with fixed pane with external bars 1800 (L) x 1200 (H) D
- Water Inlet & Outlet Hole Rear Wall L
- 2x Wall Cut Outs for Roller Racking with Galv hinged door lockable. Internal to have PVC Air Curtin on each. 1x at Rear, 1x in LH Door: 660 (W) x 540 (H) Both 985mm from Floor. E1 & E2

### Paint Spec

- Exterior: White Enamel

### Electrical Modifications

- 5kw Split System Air-Conditioning Unit-Brand New
- Recessed into end wall as per diagram H & I
- 1 Year Factory Warranty on New A/C Units
- Indoor Blower mounted center of end wall with isolator switch
- A/C Remote control holder
- 4x Internal Lights (Double Fluoro) J1
- 2x Light Switch
- 3x 10Amp Double GPO's F1, F2 & F4 Water Recycle
- 1x 20Amp 3Phase 415V, 5Pin Outlet wall mounted with RCD Combo F7 (note: moved to RHS of end wall away from spray) 2x Extraction Fans 250mm, 550m3/hr
- Inside Electrical Control Box lockable, fitted with hasp and staple with 8mm dia hole
- Note: Power supply hole next to electrical box

### Power Connection

- Power Supply: 3 Phase 5 Pin 32Amp Plug with 18m of cable, external rear wall.

Everything is customisable, depending on your needs.



## Additional Optional Upgrades and Accessories

### Water storage

1000LTR IBC water storage.



SKU
1168-00030

### Palift Turntable-Spring Combo

Spring Combo's Required on order.



SKU
1204-00201

### Diesel Generator DCA-35

Diesel Generators are widely regarded as the most bullet proof generators in the world. This fact, combined with Westernex huge stock levels, ability to service nationally and legendary support makes it a winning combination.



SKU
1148-90000-C

### Optional extras

- Power Outlets
- Lockable Battery Isolator
- Fire Extinguisher
- Long-Rang Fuel Tank
- 3 Way Fuel Valve
- Hi-VisTape
- Heavy Duty Skid with Fork Points
- Outlet Kits:
  - 3 x 15AMP 1 x 32AMP
  - 3 x 15AMP 2 x 32AMP
  - 3 x 15AMP 1 x 32AMP 1 x 50 Amp

SKU
1148-90000-C-1
1148-90000-C-3
1148-90000-C-4
1148-90000-C-5





## Brick Saw

### Block Saw Clipper BBL with V Core Guide

The new Clipper BBL heavy duty Block Saw is the most versatile block saw on the market, equipped with either 3 phase 4kw electric motor or the new 9.6kw petrol engine option, offering a BBL saw for all working environments.

The new open back design feature allows the BBL Block Saw, to rip-cut longer length materials, as well as standard size blocks. A new balanced cutting head also features a handle that is ergonomically positioned for maximum operator comfort. Motor: 3 Phase 415v 4kw. Uses 350mm blades.

SKU	POWER	SIZE
1149-90002	3 Phase 415V 50HZ	350mm
1149-90003	9.6kw Petrol	350mm

*These models are designed for cutting brick.*

#### Specifications

- Power (3 Phase): 4kw (5HP)
- Power (Petrol): 9.6kw (13HP)
- Max blade diameter: 350mm max
- Blade shaft size: 25.4mm
- Max. Cutting Depth: 208mm
- Blade shaft speed: 1900rpm

#### Dimensions

- Length: 1040mm
- Width: 660mm
- Height (Electric): 1370mm
- Height (Petrol): 1490mm
- Weight (Electric): 200kg
- Weight (Petrol): 210kg



## Brick Saw

### Brick Saw Clipper CM42 with V Core Guide

The new Clipper CM42 is a lightweight and portable masonry saw. Wider and longer than most equivalent machines on the market, CM42 can cut a 60x60cm slab in two 30cm halves. Stronger frame, new folding feet system, improved conveyor cart and improved stability make the CM42 easier to use.

This is an efficient universal masonry saw with high cutting capacity for all construction materials. The single-piece frame and two rear wheels make for easy transport on floors. One person can easily set up the machine, thanks to the semi-automatic fold-able legs. Single phase electric. Uses 350mm blades.

SKU	POWER	SIZE
1149-90001	1 Phase 240V 50HZ	350mm

*This model is designed for cutting brick.*

#### Specifications

- Max. blade diameter: 400 mm
- Max. bore: 25.4 mm
- Tilting table (option - 510109260): 0° - 45°
- Max. cutting depth. at 90°: 135 mm
- Max. cutting depth. at 45°: 94 mm
- Max. cutting length: 680 mm
- Max. material height: 200 mm
- Table size: 500 x 500 mm
- Tool speed RPM: 2800 min<sup>-1</sup>
- Hand Arm Vibrations: < 2.5 m/s<sup>2</sup>
- Sound power / Pressure level: 92 dB(A) / 80 dB(A)

#### Dimensions

- Length: 1187 mm
- Width: 620 mm
- Height (folded legs): 740 mm
- Height: 1360 mm
- Weight: 90 kg



## Consumables

### Yellow Diamond Blade

The yellow blade will cut materials of soft to medium hardness.

SKU	DESCRIPTION	SIZE
1148-00005	Yellow	14" 350mm



### Orange Diamond Blade

The orange blade will cut medium to hard material. Also available as a sound dampened blade.

SKU	DESCRIPTION	SIZE
1148-00027	Orange	14" 350mm



### Green Diamond Blade

The black blade is the first choice for harder materials, but the green blade is an alternative and is dependent on the composition of the rock. The green blade will cut slightly harder material than the orange blade. Also available as a sound dampened blade to special order.

SKU	DESCRIPTION	SIZE
1148-00026	Green	14" 350mm



### Black Diamond Blade

The black blade is used for hard to very hard cores e.g. magnetite & banded iron.

SKU	DESCRIPTION	SIZE
1148-00025	Black Sound Dampened	14" 350mm



### Pink Diamond Blade

The Pink blade is used for very hard to extremely hard core, complementing the black blade. Note depending on the core the black blade is better on some core than the pink is on others.

SKU	DESCRIPTION	SIZE
1148-00049	Black Sound Dampened	14" 350mm



## Consumables

### Continuous Diamond Blade 14" 350mm

For use on very soft material (such as clays, malachite etc.) and brittle rock that is susceptible to shattering if using blades with segments.

SKU
1149-00009



For other blade options, please get in contact with our sales team at [supply@westernex.com.au](mailto:supply@westernex.com.au) in order to discuss and nominate the appropriate blade for its purpose.

### Diamond Blade Dressing Brick

Perfect for the quick cutting. High quality, quick cutting, silicone carbide construction.

SKU
1148-00075



### BBL Crate Treated

Approx 90kg crate has been fumigated with ISPM15 slatted crate. This is a stand up crate with saw removed from original packaging.

SKU	SIZE (mm)
1149-00071-AIR	1830L x 1640W x 848H
1149-00071-SEA	1616L x 736W x 1900H

*Both crates have been treated and meet IPPC standard.*





## Core Farm Equipment

### Hose Reel Assembly

Ideal for core yards both large and small, our 20m or 30m reinforced garden hose mounts securely to any wall and pivots 180°. The smooth coiling feature, with stop and go action, ensures the hose not only unwinds and rewinds with ease, but also locks at your desired length. Medium duty garden hose with kink resistance. Includes hose end fittings, hand spray, tap to reel connector, bracket and screws.



SKU	SIZE
1216-00406	12mm x 20m
1216-00241	12mm x 30m

### Logging Table

Strong, sturdy and practical stainless steel tables for when you need to take your worktop with you. Portable and easy to set up.

- Material: Stainless steel 304
- Finish: External polished stainless steel
- High quality stainless steel construction
- Ideal for outdoor catering
- Top: grade 430 stainless steel
- Legs: grade 201 stainless steel
- 4 feet included
- Material thickness: 1.2mm - 18 gauge



SKU	DESCRIPTION	SIZE (WxHxD)
1602-01001	Stainless Steel	1200 x 900 x 600mm
1602-01000	Stainless Steel	1800 x 900 x 600mm

### Trestle A Frame

We offer two types of heavy duty trestles, rigid and folding. Size: 900mm High x 760mm Wide. All made out of galv RHS. Optional Extra. You can use old drill rods on site, or we can also supply 50NB Galvanised Pipe in 6.5m lengths.

SKU	DESCRIPTION	SIZE (HxW)
1128-00014	Folding	900mm x 760mm
1128-00000	Rigid	900mm x 760mm

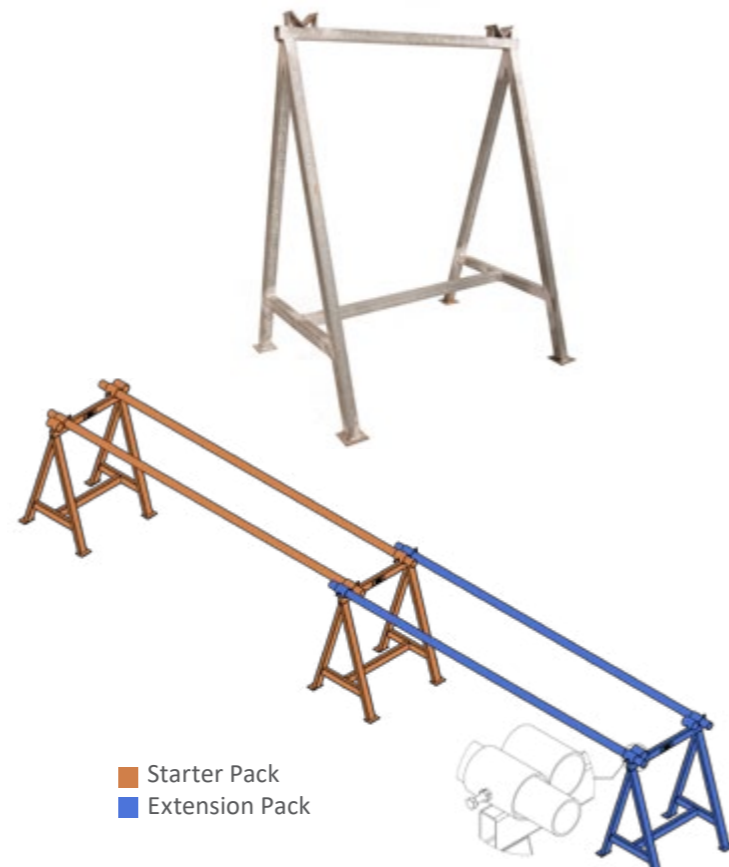
### Trestle Kit

**Starter Pack:** 2 x Trestles & 2 x Pipes @ 3250mm (approx). All made out of Galv RHS & Pipe.

**Extension Pack:** 1 x Trestle & 2 x Pipes @ 3250mm (approx). All made out of Galv RHS & Pipe.

SKU	SIZE
1128-00214	Starter Kit
1128-00215	Extension Kit

*Please note that these trestle kits are SWL Rated.*



## Core Orientator

### Core Orientation Device

Designed to hold drill core in the same orientation as it was in situ so that all relevant structures can be measured and correctly recorded.

The jig is made of jarrah with brass and aluminium fittings, no ferrous metal used. An orienteering compass is fitted to the jig to assist in fixing the correct azimuth of the core being measured.

*Includes heavy duty safe case for transportation.*

SKU
1125-00032



### Drill Core Structural Orientations using $\alpha$ & $\beta$ angles

A computer program such as DIPS or the GEOTECH module in GEOACCESS 2000 is used to calculate (and plot) the True Drip and True Dip Direction of the structure. The diagrams below show how to measure  $\alpha$  and  $\beta$  angles.

When logging core for which the orientations are suspects, note the different intervals of core for which you have used particular orientations; e.g. for interval 425 to 480 metres, you used the "bottom of core" orientation mark at 456m depth.

Be comprehensive with the logging (but not too extravagant). We are trying to determine if there are consistent sets of structures. There is therefore no need to measure every feature. If there are clearly a number of structures of the same type, in the same overall orientation, then take representative measurements.

#### Parts Guide

1. Cradle
2. Inclination Adjust
3. Lock Nuts
4. Compass





## Core Orientator

### Alpha Beta Core Tool

- Measure the  $\alpha$  &  $\beta$  angles of your core rapidly and easily
- Lightweight anodised aluminium
- Easy to use and foolproof
- No need for tapes and protractors
- Caters to both whole and broken core

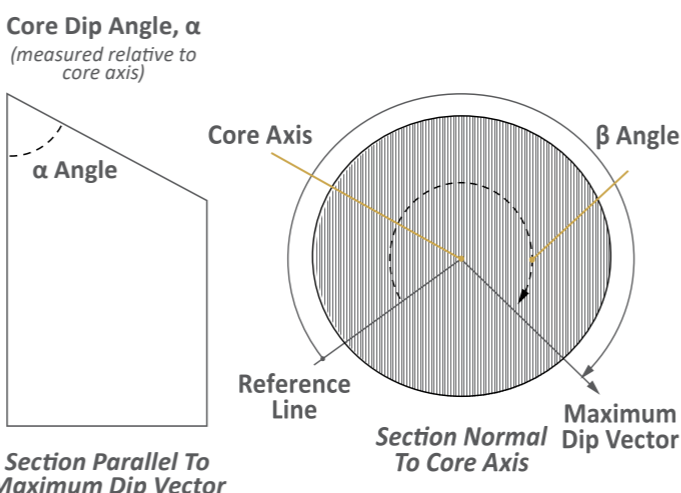
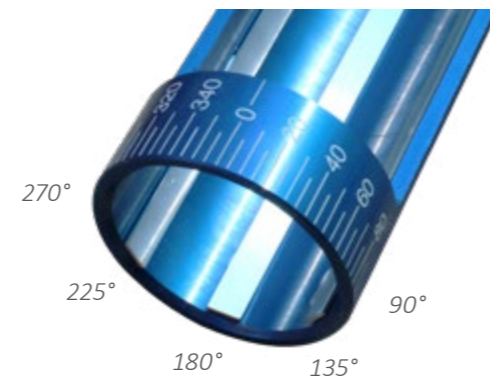
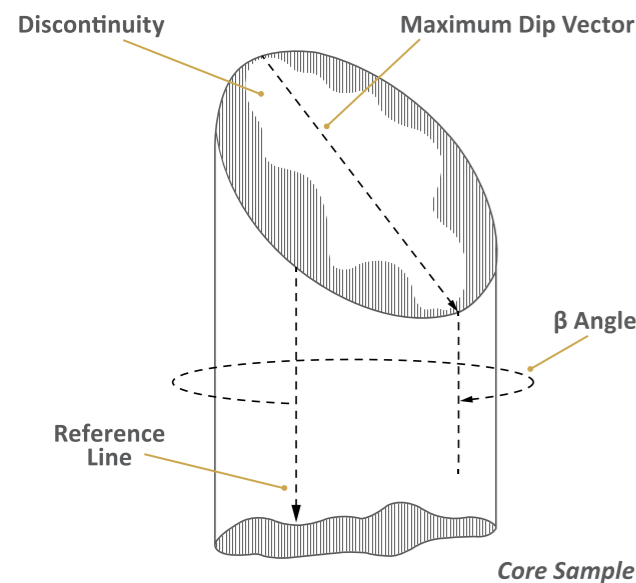
The Alpha Beta Core Tool makes measuring  $\alpha$  &  $\beta$  angles a simple task. The design and concept for this device evolved from the frustration with past techniques involving tapes and protractors - which are both easily misplaced and less efficient to use. This device ensures an accurate and easily attainable way to collect data. Used by geotechnicians and the like. Suitable for both whole and broken core samples.

$\alpha$ : angle of planar feature relative to core axis that is measured along the longest axis of the ellipse  
 $\beta$ : angle of the circumference between the orientation reference line and the long axis of the ellipse

Shims are flat, elongated metal strips that are glued to the core tool to convert it to accommodate other core sizes. These are sold in sets of 3.

SKU	DESCRIPTION	UOM
1125-01001-N2	To suit N2 core samples	Each
1125-01000-H	To suit H core samples	Each
1125-01001-N	Shim kit to convert N2 tool to N	Set of 3
1125-01001-N-N3	Shim kit to convert N2 tool to N3	Set of 3
1125-01000-H3	Shim kit to convert H tool to H3	Set of 3

Set of 3 shims applied to an N2 alpha beta core tool at 225°, 180° and 135° angles to convert it to accommodate N core samples (this can be done with the H alpha beta core tool as well).



## Core Orientator

### Ezy Logger

A quick reference core logging goniometer, designed to simply measure alpha/beta angles and lineations within wireline core structures. It's hardwearing and lightweight design makes logging core easy when compared to traditional methods. It is available in all wireline core sizes and with its compact size, is easily shipped around the world. For a fraction of the cost of traditional logging devices, this is your ultimate core logging instrument.

**Technical Benefits:** the clever design incorporating impact resistant plastic and reinforced protective rims makes for a strong shock resistant product that will give excellent service. It should give confidence to any competent user in the basic measurement of structural trends and estimations while logging core samples of a variety of sizes and types.

**Serviceability:** requires a quick wipe with a damp cloth. Keep clear of heat and organic solvents.

**Accuracy:** this should be used as a quick reference guide only and is not designed to be used as a calibrated instrument. The proprietary, lightweight and robust design of the Ezy-Logger™ allows Geologists and Field Technicians to quickly and easily make structural linear, alpha/beta measurements for most core samples and core sizes. The compact size of the product makes it easy to transport and visual readings are easy to observe.



SKU	COMPATIBLE CORE SIZES	MEASUREMENT
1125-00013	B, TT46, LTK48	36.39mm
1125-00008	BTK, WL56/39	40.66mm
1125-00016	N3, TT56, BWT, TBW	45.28mm
1125-00012	N	47.62mm
1125-00011	N2, WL66	50.67mm
1125-00019	WL76, NGM, NTW	57.50mm
1125-00021	H3	61.10mm
1125-00010	H, CHD101	63.50mm
1125-00009	H(3.68)	66.30mm
1125-00014	P, P3	84.96mm

**Beta Angles:** two end protractors are used to determine the beta angle of a structure. Firstly position the 0° mark over the core orientation line of the core sample. Then read the degree position of the nose of the elliptical structure by rotating clockwise from the core orientation (bottom of hole) line.

**Alpha Angles:** there are two side Alpha protractors (blue & red) that allow for easy visual measurement of the Alpha angle for a variety of rock colours. This is achieved by simply sliding the device up or down the core sample while holding it relative to the Beta angle (nose of the ellipse) and selecting the line of best fit on the side of the device that matches the structure being measured.

**Lineations:** these can be measured on open fractures by rotating the device on the core sample, so that the 0° position on the end protractor being used is over the nose of the ellipse for the open fracture being measured and then reading off the degree at which the lineations strike the protractor or exit the core sample.

**Linear Measurement:** the device can even provide limited linear measurements from one structure to the next of 0 to 95mm (0 to 3 inches) in length minimizing the need for a set of calipers while handling fragile core samples.

**Accuracy:** the simple and cost effective design allows the measurement of a range of core sizes to within 5° or better when used correctly. The device is a quick reference guide only and is not designed to be used as a calibrated instrument and should give confidence to any competent user in the basic measurement of structural trends and estimations while logging core samples of a variety of sizes and types.

**Core Sizes:** due to popular demand, it is now available in eleven sizes with some variants covering more than one core size.

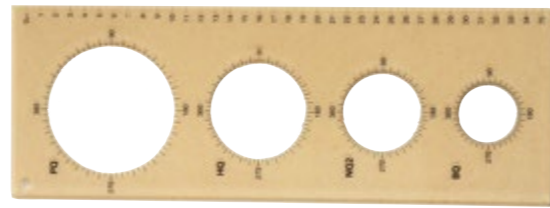


## Core Orientator

### Core Orientator Sheet

Suits B, N2, H & P.

SKU
1125-00051



### Core Orientator Aluminium Angle

Suits B, N2, H & P.

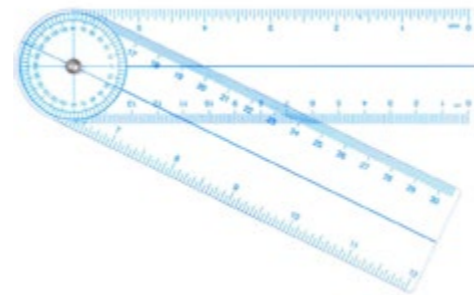
SKU
1125-00050



### Goniometer Ruler

Provides a quick method for accurate measurements of crystal specimens and solid angles.

SKU
1125-00054



### Multi-Use Rule And Gauge

- The drill point gauge checks 59° drill points.
- The bevel protractor measures and lays out angles.
- The center finder locates centers of shafts or circles.
- The circle divider divides circles up to nine sectors, regular polygons and polygrams.
- The tap and drill table correlates popular tap sizes with correct drill sizes for National form of thread.

SKU
1125-00052



### Square Head Steel Protractor

- Made of ground stainless steel for optimum accuracy
- Permanently etched graduations from 0 to 180° in opposite directions.
- Adjustable protractor arm locks into desired position with knurled thumb nut.

SKU
1125-00053



## Core Orientator

### Aluminium Ori Rack with Supports



SKU	DESCRIPTION
1207-00116	Single 3m 40 x 40 x 6mm Angle
1207-00113	Triple 3m 40 x 40 x 6mm Angle
1207-00120	Single 50 x 50 x 6 x 3000mm Angle
1207-00119	Triple 50 x 50 x 6 x 3000mm Angle



## Core Photography

### Camera Remote

Compact remote switch with a cable replicating all functions of the camera's shutter release button.

**Compatible with:**

- **EOS:** 30V, 33V, 300D, 300V, 300X, 350D, 400D, 450D, 500D, 550D, 1000D, 3000N, 60D, 600D, 1100D, 650D, 70D, 700D, Elan II/IIe, Elan 7/7E, Rebel Ti /2000/G/III/X/XS, IX/IX Lite, SX50 HS, T1i, T2, T2i, T3, T3i, T4i, T5, T5i
- **Powershot:** G10, G11, G12, G15, G16, G1X, SX50



	SKU	DESCRIPTION
A	1144-00206	Non-Genuine Remote
B	1144-00113	Canon Remote

### Circular Polarising Filter

Light rays which are reflected by any surface become polarised and polarising filters are used to select which light rays enter your camera lens. The Circular Polarising filter allows you to remove unwanted reflections from non-metallic surfaces such as water, glass etc. It also will enable colors to become more saturated and appear clearer, with better contrast.



SKU	SIZE	SUITS
1144-00115	58mm	18-55mm Lens
1144-00217	67mm	10-18mm Lens
1144-00207	72mm	17-70mm Lens

### SD Memory Card

There's plenty of room to store tons of pictures and full HD videos.

- Compatible with digital cameras and GPS's (SDHC/SDXC and SDHC-I/SDXC-I devices)
- Resistant to water, temperature fluctuations.
- Save time with ultra-fast speeds.



SKU	SIZE
1144-00114-16GB	16GB
1144-00114-32GB	32GB
1144-00114-64GB	64GB
1144-00114-128GB	128GB

## Core Photography

### Canon EOS 200D MKII

An ultra-compact DSLR that features a 24MP APS-C-sized CMOS sensor, DIGIC 8 processor and Dual Pixel autofocus system.

The main differences between the 200D MKII and 200D is the addition of Eye AF during live view, an even smaller and lighter body, and 4K video.

While its Dual Pixel AF system promises very good live view and video performance, the through the viewfinder AF system is aging.

This camera has a fully articulating 3" touchscreen display with an easy-to-use interface, 1080/60p video capture and a burst rate of up to 5 fps. The 200D MKII can capture 4K video but with a substantial crop and no Dual Pixel AF. Connectivity options include Wi-Fi (with NFC) and Bluetooth.



For more detailed information on this product, check the official Canon website.

SKU	DESCRIPTION
1144-00233	Body only
1144-00205	Camera lens, 17-70mm f/2.8-4
1144-00174	Camera lens, 10-18mm f/4.5-5.6 (Used for Double Camera Frame)

**Camera Kit**

SKU	DESCRIPTION
1144-00235	Body and EF-S 18-55mm f/4-5.6 IS STM Lens



### Canon EOS 1500D with 18-55mm Lens

A budget-friendly DSLR with an 18MP APS-C-size sensor. It uses Canon's DIGIC 4+ image processor which offers an ISO range of 100-6400, expandable to 12800, as well as 3p fps burst shooting. It features a 9-point AF system with a cross-type sensor at the center.

It also features with a 3-inch, 920,000-dot LCD and, of course, an optical viewfinder. It also offers a host of scene modes, including a Scene Intelligent Auto mode, plus numerous creative filters. Full HD can be captured at 30p or 24p. The 1500D also has Wi-Fi with NFC for easy sharing via Canon's Camera Connect app.

SKU	DESCRIPTION
1144-00218	Kit
1144-00174	Camera lens, 10-18mm f/4.5-5.6 (Used for Double Camera Frame)





## Core Photography

### HP mx330 Class 10 U3 microSD Flash Memory

The HP mx330 Class 10 U3 microSD Flash Memory Cards are the perfect solution to expand on-board memory of mobile devices. The Class 10, U3 rating, with read speeds of up to 100MB/s guarantees that you can quickly store and share content between devices. U3 technology is ideal for HD photography and 4K Ultra HD video recording, allowing you to capture high quality content on your action camera, drone, or other mobile device.



SKU	SIZE
1144-00311-64GB	64GB
1144-00311-128GB	128GB

- Compatible with SDHC and SDXC enabled host devices Smartphones, tablets, action cameras, drones, and computers.
- Perfect for smartphones, tablets, action cameras, drones.
- Class 10, U3 rated, ideal for HD photography and 4K.
- Ultra HD video recording.
- Read speeds of up to 100MB/s
- Expand on-board memory of mobile devices.
- Share and store high resolution digital content with included SD adapter.
- Magnet Proof, Shock Proof, Temperature Proof, Waterproof.

### Promster High Speed Data Cable USB

The data download cable provides an easy transfer of your photos from camera to computer. Compatible with Canon EOS 200D MKII Camera



	SKU	DESCRIPTION
A	1144-00285	Compatible with 1500D Camera
B	1144-00253	Compatible with 200D Camera



These fully-rated universal serial bus cables provide transfer rates up to 480Mbps, depending on the USB version, and easily attach to any mini-USB device. Mini USB cables are designed to connect from your USB port on Hub, PC, or Mac to your USB device, including cellular phones and PDAs. Foil and braid shielding reduces EMI/RFI interference, and twisted-pair construction helps reduce crosstalk thus ensuring high-speed, error-free data transfer. Meets all the UL requirements for communication cabling, and is compatible with USB 1.0, 1.1, and 2.0.

This USB 2.0 cable combines style, quality, performance, and value while giving you the ultimate in cable technology. Constructed with UL-tested and certified cable, these cables meet the rigid standards of everyday use. The USB 2.0 cable is double-shielded with a dual foil and braid. A metal shield surrounds the connector, while a solder-to-connector shell and cable braid create an end-to-end shielding solution for a noise-free connection. This cable is ideal for connecting many cameras, cell phones, and other current devices (Kindle, etc.) to the USB port on your computer.

### Sigma 17-70mm f/2.8-4 DC Macro OS Contemporary for Canon

- Lens construction: 16 elements in 14 groups
- Minimum aperture: f22
- Filter size:  $\phi$ 72mm
- Minimum focusing distance: 22cm

SKU	SIZE
1144-00205	17-70mm f/2.8-4



### Canon EF-S 10-18mm f/4.5-5.6 IS STM Lens

- Lens construction: 14 elements in 11 groups
- Minimum aperture: f22-29
- Filter size:  $\phi$ 67mm
- Minimum focusing distance: 22cm

SKU	SIZE
1144-00174	10-18mm f/4.5-5.6

Used for Double Camera Frame



## Core Photography

	CANON 200D MKII	CANON 1500D
Max resolution	6000 x 4000	6000 x 4000
Image ratio w:h	1:1, 4:3, 3:2, 16:9	1:1, 4:3, 3:2, 16:9
Effective pixels	24 megapixels	24 megapixels
Sensor photo detectors	26 megapixels	25 megapixels
Processor	DIGIC 8	Digic 4+
ISO	Auto, 100-25600, expands to 51200	Auto, ISO 100-6400, expandable to 12800
File format	JPEG (Exif v2.3), Raw (14-bit Canon CR2), C-Raw (compressed)	JPEG, RAW (Canon CR2, 14-bit)
Manual focus	✓	X
Number of focus points	3975	9
Articulated LCD	Fully articulated	Fixed
Screen type	TFT LCD, 3", Optical (pentamirror)	TFT LCD, 3", Optical (pentamirror)
Screen dots	1,040,000	920,000
Touch screen	✓	X
Exposure modes	<ul style="list-style-type: none"> <li>Program</li> <li>Shutter priority</li> <li>Aperture priority</li> <li>Manual</li> </ul>	<ul style="list-style-type: none"> <li>Scene Intelligent Auto</li> <li>Program</li> <li>Shutter Priority</li> <li>Aperture Priority</li> <li>Manual</li> </ul>
Scene modes	<ul style="list-style-type: none"> <li>Portrait</li> <li>Smooth skin</li> <li>Group photo</li> <li>Landscape</li> <li>Sports</li> <li>Kids</li> <li>Close-up</li> <li>Food</li> <li>Candlelight</li> <li>Night portrait</li> <li>Handheld night scene</li> <li>HDR backlight control</li> </ul>	<ul style="list-style-type: none"> <li>Landscape</li> <li>Close-up</li> <li>Sports</li> <li>Food</li> <li>Night Portrait</li> </ul>
Flash modes	---	Auto, On, Off, Red-eye
Flash X sync speed	1/200 sec	1/200 sec
Drive modes	<ul style="list-style-type: none"> <li>Single</li> <li>High-speed continuous</li> <li>Silent single</li> <li>Silent continuous</li> <li>Self-timer</li> <li>Continuous shooting after self-timer</li> </ul>	<ul style="list-style-type: none"> <li>Single</li> <li>Continuous</li> <li>Self-timer</li> <li>Continuous w/self-timer</li> </ul>
Continuous drive	5.0 fps	3.0 fps
Metering modes	Multi, Center-weighted, Spot, Partial	Multi, Center-weighted, Partial
Exposure compensation	$\pm$ 5 (at 1/3 EV, 1/2 EV steps)	$\pm$ 5 (at 1/3 EV, 1/2 EV steps)
AE Bracketing	$\pm$ 3 (3 frames at 1/3 EV, 1/2 EV steps)	$\pm$ 2 (3 frames at 1/3 EV, 1/2 EV steps)
WB Bracketing	X	✓
Storage types	SD/SDHC/SDXC (UHS-I compatible)	SD/SDHC/SDXC card
Orientation sensor	✓	✓
Timelapse recording	Yes (videos only)	X
GPS	X	X
USB	USB 2.0 (480 Mbit/sec)	USB 2.0 (480 Mbit/sec)
HDMI	Yes (Mini-HDMI)	Yes (Mini-HDMI)
Microphone port	✓	X
Wireless notes	802.11b/g/n + NFC + Bluetooth	802.11b/g/n with NFC
Remote control	Yes (via wireless remote or smartphone)	Yes (wired or wireless)
Environmentally sealed	X	X
Battery description	LP-E17 lithium-ion battery & charger	Lithium-Ion LP-E10 rechargeable battery and charger
Battery Life (CIPA)	1070	500
Weight (inc. batteries)	449 g (0.99 lb / 15.84 oz)	475 g (1.05 lb / 16.76 oz)
Dimensions	122 x 93 x 70 mm (4.8 x 3.66 x 2.76")	129 x 101 x 78 mm (5.08 x 3.98 x 3.07")

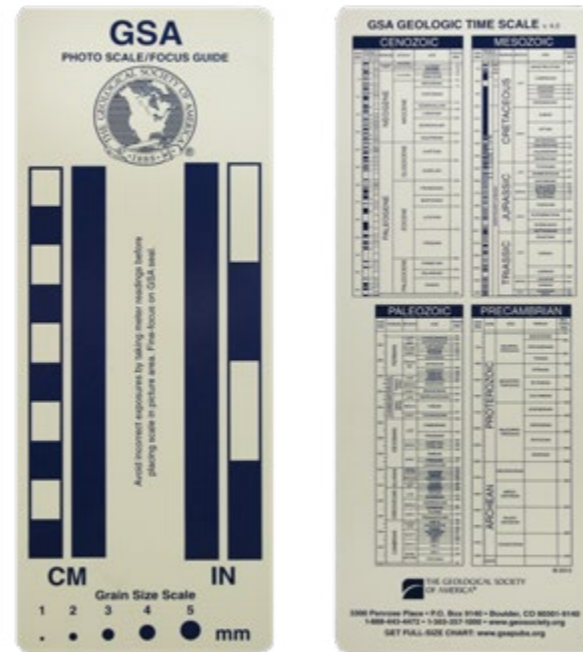


## Core Photography

### Photo Scales

On one side is the Photo Scale, calibrated boldly in centimeters (10) and U.S. inches (4). Includes a GSA seal for fine focus and an evaluation scale for granular material from 1 to 5 millimeters diameter. The reverse side includes the complete GSA Geologic Time Scale. 150 x 55mm.

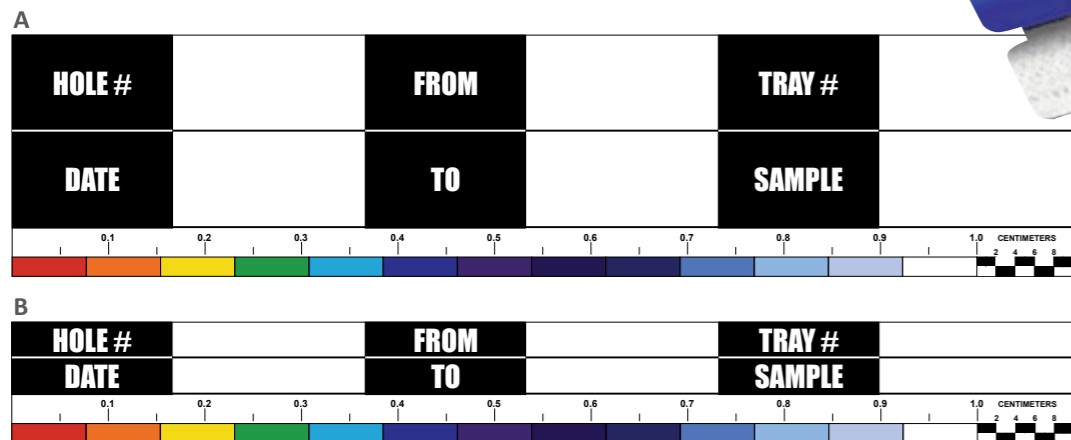
SKU	SIZE
PHOTOSCALES	150 x 55mm



### Core Tray Header Sheet

Record your drill hole details using photography, our laminated insert allow you to records hole details using white board markers and then just wipe off for the next tray. Use white board markers.

SKU	DESCRIPTION	SIZE
A 1144-00600	Label Header Sheet	1100 x 250mm
B 1144-00600-CF	Core Flute Header Sheet	1100 x 125mm
1160-00024	Whiteboard Marker Pack of 6	2mm nib
1603-00268	Whiteboard Marker Eraser	One Size



## Core Photography

### Flat Pack Roller Racking Camera Frame & Canvas Cover

We have designed a flat pack camera frame that can be used to take high-resolution images of your core in their trays. These frames also come with a canvas cover with a side and top zip for easy access.

#### 450mm Wide Roller Frames

SKU	DESCRIPTION
1144-90130-450	Camera Frame Trolley Frame 450mm
1144-90136-450-B	Cover 450mm Black
1144-90136-450-W	Cover 450mm White

SKU	DESCRIPTION
1144-90131-450	Camera Frame Fixed 450mm
1144-90136-450-B	Cover 450mm Black
1144-90136-450-W	Cover 450mm White

#### 600mm Wide Roller Frames

SKU	DESCRIPTION
1144-90130-600	Camera Frame Trolley Frame 600mm
1144-90135-600-B	Cover 600mm Black
1144-90135-600-W	Cover 600mm White

SKU	DESCRIPTION
1144-90131-600	Camera Frame Fixed 600mm
1144-90135-600-B	Cover 600mm Black
1144-90135-600-W	Cover 600mm White

Please note: Camera Frames will require Camera Mount Flat Head Screw to affix camera. Customer is to specify which colour cover they would like in their order for their respective frame.



Roller racking camera frame with wheels



Roller racking camera frame fixed



Black and white camera frame cover options



## Core Photography

### Flat Pack Floor Camera Frame & Canvas Cover

We have designed a flat pack camera frame that can be used to take high-resolution images of your core in their trays. These frames also come with a canvas cover with a side and top zip for easy access.



Floor camera frame single



Floor camera frame info slot



Floor camera frame double



Black and white camera frame cover options

SKU	DESCRIPTION
1144-90134-S	Camera Frame Universal Single Tray
1144-90134-S-B	Cover 475mm Single Tray Black
1144-90134-S-W	Cover 475mm Single Tray White

SKU	DESCRIPTION
1144-90134-I	Camera Frame Universal Info Slot Tray
1144-90134-I-B	Cover 725mm Info Slot/Tray Black
1144-90134-I-W	Cover 725mm Info Slot/Tray White

SKU	DESCRIPTION
1144-90134-D	Camera Frame Universal Double Tray
1144-90134-D-B	Cover 950mm Double Tray Black
1144-90134-D-W	Cover 950mm Double Tray White

Please note: Camera Frames will require Camera Mount Flat Head Screw to affix camera. Customer is to specify which colour cover they would like in their order for their respective frame.



## Core Photography

### Laptop Arm with Desk mount

Made of aircraft aluminium. 360° free switch between portrait and landscape orientation. With A/V ports and USB ports. Both clamp and grommet mount included in the box for the desk clamp version.

SKU
1167-00004



### Quick Release Plate Adapter

This adapter clamp gives you the freedom to remove the camera from the head without detaching it from the plate and put it on any other support.

Aluminium Alloy 1/4 inch Quick Shoe Plate Adapter Clamp with 1/4-3/8 inches Screw and Bubble Level. Suitable for Canon, Nikon, Sony and Other DSLR Cameras and Tripod, Monopod and Stabilizer Ball Head.

SKU
1144-00279



### Dual LED Lights for Camera Stand-Power

Dual LED lights for optimum illumination.

- Adjustable angle: 180 Degree

SKU
1144-00232-P



### Camera Mount Flat Head Screw

1/4" metal male thread with flat head screwdriver slot. Shaft is 10mm in length, approx 5.1mm threaded, 5mm unthreaded. Total length including base is 13.1mm. Head diameter is 12mm.

SKU	SIZE
1144-00151	1/4"



## Core Photography

### Battery LED Lights for Camera Stand

- Special LED bulb layout design, giving wider lighting ranger and brighter effect.
- Lightweight, portable and compact.
- Adjustable angle: 180 Degree.
- Sold as each, so you may require two.

	SKU	DESCRIPTION	UOM
A	1144-00251	Battery for Camera LED Lights	Each
B	1144-00232-A	Charger & Batteries for Camera LED Lights	Each

Please note: 2 LED lights are required for optimum illumination.

### Charger for LED Lights for Camera

**2 Fully Compatible Spare Batteries:** 2 replacement batteries with a larger capacity of 2600mAh and a dual slot charger to ensure your camera is always ready to shoot.

**3 Ways to Charge:** Power using a wall charger, car charger, or a portable charger; The Micro-USB 5V / 2.1A max input recharges 2 batteries fully in just 6 hours.

**Note:** The wall charger, car charger and portable charger are not included in the package.

### Roller Racking Photography Guide/Centraliser

These handy attachments connect to the edge of your roller racking to ensure your core tray lines up perfectly with your camera; ensuring consistent photos and less time spent adjusting.

Simply push your tray along and the attachment will guide the tray into the correct position meaning your photos will be much more streamlined.

SKU	SIZE
1504-96015	600mm



## Core Tray Metal

### U-Build-It Metal Core Tray



1. Tray and Parts



2. Drill rivet holes



3. Rivet



4. Ready to use

Designed for export, U-Build-It Core Trays save space. Once assembled, U-Build-It Core Trays may be easily stacked without the need for racking. They also save space when transporting on pallets and in containers. Also available as non-stackable.

**ASSEMBLY:** Supplied in kit form with a drill bit and rivets, the prefabricated end pieces are assembled using a Drill and Rivet Gun.

**STURDY:** U-Build-It Trays are made from high quality Aluzinc. **SIZE:** U-Build-It Trays are available in a wide range of sizes. Please note: Drill and Rivet Gun not supplied.

#### U-Build-It Standard

SKU	TYPE	CORE DIAMETER	MATERIAL	SIZE	ROWS	METRES	PALLET CONFIGURATIONS - PACKED ON PALLET BOXES			
							QTY	PALLET SIZE	UNIT (kg)	WEIGHT (kg)
1128-01051	NQ2	50.60	AluZinc	1000 x 400mm	7	7	180	1100 x 1100 x 990mm	2.23	416
1128-01050	HQ	63.50	AluZinc	1000 x 400mm	5	5	140	1100 x 1100 x 990mm	2.24	329
1128-01052	PQ	85.00	AluZinc	1000 x 400mm	4	4	56	1100 x 1100 x 990mm	2.83	173



#### U-Build-It Stackable

SKU	TYPE	CORE DIAMETER	MATERIAL	SIZE	ROWS	METRES	PALLET CONFIGURATIONS - PACKED ON PALLET BOXES			
							QTY	PALLET SIZE	UNIT (kg)	WEIGHT (kg)
1128-01053	NQ2	50.60	AluZinc	1000 x 400mm	7	7	180	1100 x 1100 x 990mm	2.23	416
1128-01054	HQ	63.50	AluZinc	1000 x 400mm	5	5	140	1100 x 1100 x 990mm	2.24	329
1128-01055	PQ	85.00	AluZinc	1000 x 400mm	4	4	56	1100 x 1100 x 990mm	2.83	173



## Core Tray Accessories

### Polystyrene Cylinder

These are used to fill gaps between samples. Using marking pen to record missing meters. Cut to desired lengths. Each split cylinder consists of a pair of halves.

#### Whole Cylinders

SKU	DESCRIPTION	SIZE (DxL)
1124-01002	B	36mm x 1000mm
1124-01003	N	47mm x 1000mm
1124-01004	H	63mm x 1000mm
1124-01000	P	85mm x 1000mm



#### Split Cylinders

SKU	DESCRIPTION	SIZE (DxL)
1124-01002-HALF	B	36mm x 1000mm
1124-01003-HALF	N	47mm x 1000mm
1124-01004-HALF	H	63mm x 1000mm
1124-01000-HALF	P	85mm x 1000mm



### Wally Block Wooden

These blocks are used as spacers when separating core.

SKU	SIZE
1124-00410	B
1124-00411	N2
1124-00412	H



### Plastic Core Block Universal

Yellow core blocks, depth, loss/gain/core recovered.

SKU
1124-00400



### Core Block Wooden with/without Perma Tag

Our wooden core blocks have been designed to fit snugly into your core tray, the top side has a smooth surface allowing you to write hole details.

SKU	DESCRIPTION	SIZE
1124-00420	Core Block Wooden	B
1124-00425	Core Block Wooden	N
1124-00422	Core Block Wooden	H
1124-00427	Core Block Wooden	P
1124-00421	Core Block Wooden w/ Perma Tag	B
1124-00426	Core Block Wooden w/ Perma Tag	N
1124-00423	Core Block Wooden w/ Perma Tag	H
1124-00428	Core Block Wooden w/ Perma Tag	P



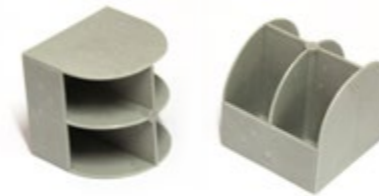
## Core Tray Accessories

### Recycled Plastic Core Blocks

Westernex new recycled core blocks are a great alternative to our original wooden style core block.

These new blocks are:

- Easy to write on.
- Weather resistant and long lasting.
- They sit firm within the channel.
- These blocks look great inside the tray - meaning your core photography will look better than ever.
- Available in all sizes – BQ, NQ, HQ and PQ to suit all tray sizes and in stock now.



SKU
1124-00500-BQ
1124-00500-NQ
1124-00500-HQ
1124-00500-PQ



### Pallet Plastic

- Weight: 24.3kg
- Material: 100% recycled HDPE
- Static Load: 10000kg
- Dynamic Load: 2000kg
- Entry Points: 2 way fork lift, 2 way pallet jack

SKU	SIZE
1213-00046	1165 x 1165 x 150mm



### Carton Box to suit Core Trays

SKU	SIZE
CTN1075475	1075 x 475 x 390mm



Westernex also supplies a wide range of marking stationery. Please see our Office Supplies and Marking sections.



## Why PLASTIC Core Tray!

**Why do we at Westernex insist on partnering with a QA approved manufacturer making a product using Virgin plastic, whilst claiming to care about the environment?**



We concentrate on sustainability, renewable energy and resources nowadays, so we understand that this makes it challenging to understand why we still condone a product being made entirely of virgin plastic materials.

For sure, choosing the right material, design, and manufacturing strong and long-lasting products plays a big role in reducing the amount of material waste we contribute to the environment - but first, we need to know the differences between these materials:

### Virgin polymer (PA, PC, PP, HDPE; PS, and ABS)

Is the direct resin produced from a petrochemical feedstock, such as natural gas or crude oil, which has never been used or processed before. Keeping in perspective that delivering high-quality goods to the customer is absolute, it is imperative to qualify this concern with the realities of how materials are actually applied and used in their specific role.

### Recycled polymer (PS, ABS, PA, and PC)

Post-consumer is a material that has been reclaimed after it has left the hands of the consumer. Such as a plastic milk container, detergent or oil bottle. Once used, they are taken to a facility to be washed, reground and pelletised into new post-consumer material. Post-Industrial is recycled plastic that never left the manufacturing floor. For efficiency, manufacturers try to achieve zero waste during the production process.

It is tempting to believe that if something is recycled it is more sustainable than something made from virgin material. Sometimes – we agree, this is true, but not in all cases. We need to think about how the products and materials are actually applied and used in their specific applications. Do they need to hold up in plus 50 and negative 20 degrees temperatures and ensure the product being held stays secure? How do we find a balance of quality, reliability, and sustainability? Is the saving real or only perceived?



## Why PLASTIC Core Tray!

	Core Trays manufactured with RECYCLED PLASTIC	Core Trays manufactured with VIRGIN PLASTIC
<b>Pricing</b>	Cheaper price as manufactured using regrind from domestic or factory plastic waste. There is no way to tell how many times an item has been recycled (heat history) before and the actual makeup/chemical composition of the raw material itself.	Virgin material is 47% more expensive than Re-cycled and has been polymerised from natural gas or crude oil which has never been used or processed before. Most importantly it is made of the known source.
<b>Lifespan</b>	Prediction of 5 years lifelong.	Track record of plus 25 years lifelong.
<b>Eco-friendly</b>	Membranes made from recycled materials have a lower safety and strength rating e.g. mechanical properties. These products break down and leave microplastics in the soil with no one being held accountable for the clean-up. The plastic polymers are weakened by around 10% each time going through the heat process (heat history) which shortens the polymer chain and makes the plastic more susceptible to breaking and failing as the mechanical properties have been eroded.	Products made from virgin plastic can withstand greater UV attack as experienced, used and handled in the field. Resistance to UV is a vital requirement for core trays given the nature in which they are often stored in full sunlight. Therefore Virgin Plastic Core Trays are fit for purpose.
<b>Quality</b>	A piece of plastic can only be recycled about 2-3 times before it's no longer be usable due to the significant reduction in mechanical strength e.g. impact. In order to strengthen these recycled materials, some virgin plastic will be added, unless advertised as made from 100% recycled materials, even then impact modifiers are used to artificially bolster the mechanical properties which contain toxic chemicals, not great for the environment and can contaminate valuable core samples.	Products made from 100% virgin plastic, in this case, a polyolefin e.g. polypropylene approved for food use, non-toxic chemical, in fact very inert chemically hence it's food rating and clearly suitable to store core without interference in the chemical makeup when conducting ASSAY.
<b>Strength</b>	Impact strength of 2.2 kJ/m2 is nearly ¼ that of the virgin copolymer of the correct grade. The thin walls of a core tray will become brittle which will result in jeopardised the core. Aside from losing these vital pieces of core, it would cause an additional cost for manpower to re-box the cores into new trays which also jeopardise the health and safety of your team. Is the saving real or only in actual fact perceived?	Impact strength of 8.5 kJ/m2 for a polypropylene copolymer 20 melt flow.
<b>Fit for purpose</b>	Plastic memory as per thermoplastics is the ability to return to its original form when heated and or pressure applied. Recycled plastics exhibit increased plasticity and processability due to a reduction in molecular weight e.g. reduced crystallinity which makes them more attractive for some temporary products such as shrink-wraps and packaging. Recycled plastic also works particularly well for bulky heavy wall products such as children's playground equipment, building materials, park benches, decks and outdoor furniture. These products are manufactured with up to 50mm thickness and their lifespan is 20-25 years. It should also be noted UV attack is a surface effect, heavy wall products can better resist UV degradation, thin walls cannot.	Core Trays are manufactured with nominal 2mm wall thickness and only prime virgin plastic can provide this quality e.g. superior mechanical strength - core trays made from prime virgin PP have a proven track record tested life span of plus 20 years.



## Why PLASTIC Core Tray!

Unfortunately, using recycled core trays helps neither the environment nor the humans who work with them. The scrap core tray may end up in a landfill as its suitability for further re-cycling use due to the nature of a core tray, at best suspect. When we talk about saving the environment, we should think about being fair to labor and how to use their time and energy. In the long run, it is expensive in any aspect to use a material that would break down and mix with the soil in a couple of years, which would ultimately result in manufacturing more of these recycled products and repeating the whole process.

This creates unnecessary work and is considered an occupational health and safety risk. In conclusion, if something is made out of plastic it cannot be Eco-friendly. Notably, if it is not "fit for purpose" it will fail prematurely and result to be replaced in a relatively short space of time, both the cost and environmental savings are not genuine only perceived! For sure plant-based products are Eco-friendly.



Westernex encourages everyone to use recycled products when it is possible, we currently supply Stack & Nest Black Crates Enviro Range, Universal Flush Pointed End Cap, Plastic Pallets and Insert Pallets, Hole Plugs, OctoPlugs and Survey Stakes.

We have been busy researching and testing better options over the years to find the perfect solution, but we will never rush this process and would not feel comfortable launching a product until it is 100% perfect and suitable to be used in the field. This applies to all of our new Biodegradable products: Clean Green Cleaner and De-greaser, Green Gloves, Safe-T-Mark™, Ground Water Sampling, HydroMARK®, Bio Flagging Tape, Alcolizer Alcohol Pumper unwrapped and Biodegradable, Nature's Orange Pumice Hand Cleaner, the whole range of Northfork Biodegradable cleaner and De-greasers and our new compostable Plant-based Green Bio Bags, which are manufactured from sustainable corn-starch, a unique blend that provides the mechanical properties required for mining bags both in toughness and strength.

We are looking forward to new solutions and technologies such as C-ZYME® or Cat-HTR™. A technology, which is developed by the French company Carbios. They have invented an enzymatic recycling process after 10 years of researching and testing and hoping to finish the project by end of 2022. This technology uses an enzyme capable of de-polymerising PET (polyethylene terephthalate), which is found in a variety of plastic and textile items and would be purified before being re-polymerised. Unlike traditional methods, Carbios' breakthrough enables unlimited recycling of all sorts of PET waste such as clear, coloured, opaque, complex plastics, polyester textiles as well as the production of 100% recycled and 100% recyclable PET goods that maintain their virgin quality.

Cat-HTR™ technology is under development by an Australian based company Licella. 13 years of testing and researching to turn the plastic back to oil using the enormous amount of biomass and waste plastic, that go to landfill each year, melting it and mixing it with water then purify it with Cat-HTR Reactors™ and separate them as a high-value, low-carbon products that reduce our reliance on fossil resources.

*"There is a tendency at every important but difficult crossroad to pretend that it's not really there."*

*Bill McKibben*



**References and General info about Plastic**  
 deltamembranes.com  
 oceanworks.co  
 qualitylogoproducts.com  
 nationalgeographic.org

## Core Tray Plastic

### Impala 1 Tray

All Impala 1 core trays were designed for maximum core storage per tray and its nesting capabilities make it ideal for export.



**Grey:** Often preferred for photography, also reduces glare  
**White:** Heightens contrast in photography  
**Black:** Ideal for use with high-logger and CoreScan system

White colour ex stock. Grey or Black to manufacture.

### Impala 1 Plastic Core Trays & Accessories

SKU	DESCRIPTION	SIZE
1126-30002-WHITE	Impala 1 Plastic Core Tray	B - 8 Row
1126-30003-WHITE	Impala 1 Plastic Core Tray	N2 - 6 Row
1126-30004-WHITE	Impala 1 Plastic Core Tray	H - 5 Row
1126-30005-WHITE	Impala 1 Plastic Core Tray	P - 4 Row
1124-00006	Core Tray Plastic Support Block	Impala 1 B
1124-00004	Core Tray Plastic Support Block	Impala 1 N2
1124-00003	Core Tray Plastic Support Block	Impala 1 H
1124-00007	Core Tray Plastic Support Block	Impala 1 P

The Impala core tray has all the obvious benefits of a plastic core tray – No sharp edges, non-magnetic & chemically inert, impervious to sulphide's, UV stable, non-corroding & very smooth on roller conveyors. Available in high visibility white or trays may also be ordered in grey or black for less glare when photographing the core. A unique nesting design that reduces the freight cost and improves ease of use underground where space is limited. The nesting feature also facilitates improved transportation to site and reduces transit damage particularly in remote locations. The tray has also been designed for pallet stacking where bulk storage is required. When stacking Impala 1 Core Trays, you will need to use the Impala 1 Core Tray Blocks; these blocks may also be used as dividers as required.

Design and polypropylene material used create a lightweight nesting core tray that is also very robust. In addition the trays are UV protected, giving longer life in the field. All the major sizes are available – B, N2, H & P in 1000mm for clear 1 meter runs of core – B, N2, H are also available in 800mm lengths for reduced weight. There is also a B 700mm available for underground applications. All Impala 1 core trays were designed for maximum core storage per tray.



#### B Core Tray

- Overall Length: 1060mm
- Usable Length: 1020mm
- Width: 416mm
- Height: 47mm
- Weight: 2.04kg
- Core Capacity: 8 rows
- Pallet Quantity: 100
- Pallet Dims: 1100 x 1100 x 1070mm
- Pallet Weight: 224kg
- 20ft Container: 2100 trays
- 40ft Container: 4400 trays

#### N2 Core Tray

- Overall Length: 1064mm
- Usable Length: 1020mm
- Width: 414mm
- Height: 65mm
- Weight 2.2kg
- Core Capacity: 6 rows
- Pallet Quantity: 100
- Pallet Dims: 1100 x 1100 x 1070mm
- Pallet Weight: 240kg
- 20ft Container: 2100 trays
- 40ft Container: 4400 trays

#### H Core Tray

- Overall Length: 1060mm
- Usable Length: 1020mm
- Width: 414mm
- Height: 73mm
- Weight: 2.2kg
- Core Capacity: 5 rows
- Pallet Quantity: 100
- Pallet Dims: 1100 x 1100 x 1240mm
- Pallet Weight: 240kg
- 20ft Container: 2100 trays
- 40ft Container: 4400 trays

#### P Core Tray

- Overall Length: 1060mm
- Usable Length: 1020mm
- Width: 423mm
- Height: 95mm
- Weight: 2.36kg
- Core Capacity: 4 rows
- Pallet Quantity: 100
- Pallet Dims: 1100 x 1100 x 1430mm
- Pallet Weight: 256kg
- 20ft Container: 2100 trays
- 40ft Container: 4100 trays

## Core Tray Plastic

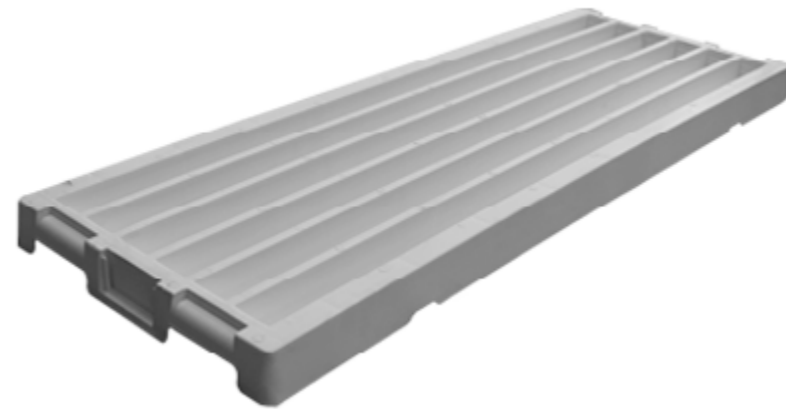
### Impala 2 Tray

Impala 2 trays are designed to cater to exploration needs. Hence, the underside of Impala 2 trays have been specifically designed to affix securely onto drill rods that sit atop trestle frames and other similar contraptions, setting it apart from other Impala plastic core trays.

**Grey:** Often preferred for photography, also reduces glare

**White:** Heightens contrast in photography

**Black:** Ideal for use with high-logger and CoreScan system



White colour ex stock. Grey or Black to manufacture.

### Impala 2 Plastic Core Trays

SKU	DESCRIPTION	SIZE
1126-30009-WHITE	Impala 2 Plastic Core Tray	B - 6 Row
1126-30001-WHITE	Impala 2 Plastic Core Tray	N2 - 5 Row
1126-30000-WHITE	Impala 2 Plastic Core Tray	H - 4 Row
1126-30010-WHITE	Impala 2 Plastic Core Tray	P - 3 Row

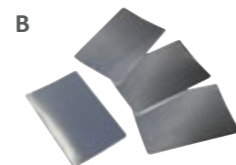
### Impala 2 Accessories

SKU	DESCRIPTION	SIZE
1126-30100-WHITE	Core Tray Plastic Lid	Impala 2 Trays
1124-00020	Impala ID Plate	Impala 2 Trays
1126-30103	Core Tray Plastic Clips	Impala 2 B + N2
1126-30102	Core Tray Plastic Clips	Impala 2 H
1126-30104	Core Tray Plastic Clips	Impala 2 P
1124-00002	Core Tray Plastic Marker	Impala 2 B
1124-00001	Core Tray Plastic Marker	Impala 2 N2
1124-00000	Core Tray Plastic Marker	Impala 2 H
1124-00005	Core Tray Plastic Marker	Impala 2 P

Marking of the tray with paint pen to ID the hole may be easily achieved on all 4 sides for easy reading whether the trays are palletised or racked. Made from the same highly specified UV stabilised reinforced polypropylene as Impala 1 core trays with over 20 years proven performance in the field. They have been designed to be more robust than competitor's trays.

They are available in B, N2, H & P with clip in core markers available for each size. As they interlock when empty, this reduces the cost of transportation to site particularly where access is poor and significantly reduces transit damage.

The container utilisation and packing stability is excellent so the tray is ideally suited for export. Each tray takes a standard size aluminium identification tag in the pocket provided one at each end of the tray conveniently located between the lifting handles.



### B Core Tray

- Overall Length: 1075mm
- Usable Length: 1010mm
- Width: 390mm
- Height: 53mm
- Weight: 2.7kg
- Core Capacity: 6 rows
- Pallet Quantity: 100
- Pallet Dims: 1100mm x 1100mm x 1660mm
- Pallet Weight: 290kg
- 20ft Container: 1520 trays
- 40ft Container: 3140 trays

### N2 Core Tray

- Overall Length: 1075mm
- Usable Length: 1010mm
- Width: 390mm
- Height: 67mm
- Weight: 2.36kg
- Core Capacity: 5 rows
- Pallet Quantity: 102
- Pallet Dims: 1100mm x 1100mm x 2010mm
- Pallet Weight: 261kg
- 20ft Container: 1255 trays
- 40ft Container: 2580 trays

### H Core Tray

- Overall Length: 1075mm
- Usable Length: 1010mm
- Width: 390mm
- Height: 80mm
- Weight: 2.44kg
- Core Capacity: 4 rows
- Pallet Quantity: 81
- Pallet Dims: 1100mm x 1100mm x 1980mm
- Pallet Weight: 218kg
- 20ft Container: 1060 trays
- 40ft Container: 2180 trays

### P Core Tray

- Overall Length: 1075mm
- Usable Length: 1010mm
- Width: 390mm
- Height: 100mm
- Weight: 3.1kg
- Core Capacity: 3 rows
- Pallet Quantity: 63
- Pallet Dims: 1100mm x 1100mm x 1975mm
- Pallet Weight: 215kg
- 20ft Container: 730 trays
- 40ft Container: 1500 trays

## Core Tray Plastic

### Impala 3 Tray

The preferred core tray for above-ground applications. Capable of storing full metres of core at a time.

- A strong, easy-to-handle and conveyor-friendly tray
- Designed to be the most stable tray when stacked
- Excellent sealing when trays are stacked to avoid contamination.
- Patent Rigid-based construction, allowing the tray to glide with minimum noise and in any direction on roller racking and directional transfer tables.
- Trays lock tightly together, which also gives superior stacking (with vertical wall-on-wall design).
- Drainage holes, deeper and wider finger recesses at the end of each row.
- Excellent strength in design for stacking securely onto pallets and enable banding without distortion.
- Wide ribs, giving more space for writing and marking.
- Core is properly cradled in the half-round sections to prevent rolling and damage.
- Trays lock together for safe, stable stacking.



Grey colour ex stock. White or Black to manufacture.

- Patented all-round grip bar making lifting easier while helping prevent wrist strain.
- Holder at each end designed to take normal labels or RFID tags.
- Manufactured in Impala's fully equipped manufacturing facility using the latest equipment, so stock is always ready to go.
- Each row holds 1000mm of core, with recess for ease of access to remove, footprint for maximum storage is 1085mm x 390mm.

### Impala 3 Plastic Core Trays

SKU	DESCRIPTION	SIZE
1126-30301-GREY	Impala 3 Plastic Core Tray	N2 - 5 Row
1126-30302-GREY	Impala 3 Plastic Core Tray	H - 4 Row
1126-30303-GREY	Impala 3 Plastic Core Tray	P - 3 Row

### Impala 3 Accessories

SKU	DESCRIPTION	UOM
1126-30105-GREY	Core Tray Plastic Lid Impala 3	Each
1126-30304	Impala ID Plate	Hundred
1126-30102	Core Tray Plastic Clips	Each
1124-00001	Core Tray Plastic Marker N2	Hundred
1124-00000	Core Tray Plastic Marker H	Hundred
1124-00005	Core Tray Plastic Marker P	Hundred



**Grey:** Often preferred for photography, also reduces glare  
**White:** Heightens contrast in photography  
**Black:** Ideal for use with high-logger and CoreScan system

### N2 Core Tray

- Overall Length: 1085mm
- Usable Length: 1005mm
- Width: 390mm
- Height: 67mm
- Weight: 2.3kg
- Core Capacity: 5 rows
- Pallet Quantity: 102
- Pallet Dims: 1100 x 1100 x 2015mm
- Pallet Weight: 255kg
- 20ft Container: 1200 trays
- 40ft Container: 2530 trays

### H Core Tray

- Overall Length: 1085mm
- Usable Length: 1005mm
- Width: 390mm
- Height: 75mm
- Weight: 2.3kg
- Core Capacity: 4 rows
- Pallet Quantity: 81
- Pallet Dims: 1100 x 1100 x 1990mm
- Pallet Weight: 206kg
- 20ft Container: 1070 trays
- 40ft Container: 2200 trays

### P Core Tray

- Overall Length: 1085mm
- Usable Length: 1005mm
- Width: 390mm
- Height: 95mm
- Weight: 2.55kg
- Core Capacity: 3 rows
- Pallet Quantity: 63
- Pallet Dims: 1100 x 1100 x 1995mm
- Pallet Weight: 181kg
- 20ft Container: 715 trays
- 40ft Container: 1485 trays

The tray is manufactured in a material for temperate climates to +55°C as standard. Trays are also UV stabilised and protected, giving longer life in the field.



## Core Tray Plastic

### Impala 4 Tray

The preferred core tray for underground applications. Shorter and more lightweight for easy manual handling.

- A strong, easy-to-handle and conveyor-friendly tray.
- Designed to be the most stable tray when stacked
- Excellent sealing when trays are stacked to avoid contamination.
- Patent Rigid-based construction, allowing the tray to glide with minimum noise and in any direction on roller racking and directional transfer tables.
- Trays lock tightly together, which also gives superior stacking (with vertical wall-on-wall design).
- Drainage holes, deeper and wider finger recesses at the end of each row.
- Excellent strength in design for stacking securely onto pallets and enable banding without distortion.
- Wide ribs, giving more space for writing and marking
- Core is properly cradled in the half-round sections to prevent rolling and damage.
- Trays lock together for safe, stable stacking.
- Patented all-round grip bar making lifting easier while helping prevent wrist strain.



Grey colour ex stock. White or Black to manufacture.

- Holders at each end designed to take normal labels or RFID tags.
- Manufactured in Impala's fully equipped manufacturing facility using the latest equipment, so stock is always ready to go.
- Each row holds 920mm of core, with recess for ease of access to remove, smallest footprint for maximum storage of 1000mm x 390mm.

Check our Youtube channel to view our demonstration video.

SKU	DESCRIPTION	SIZE
1126-30401-GREY	Impala 4 Plastic Core Tray	N2 - 5 Row
1126-30402-GREY	Impala 4 Plastic Core Tray	H - 4 Row
1126-30403-GREY	Impala 4 Plastic Core Tray	P - 3 Row

### Impala 4 Accessories

	SKU	DESCRIPTION	UOM
A	1126-30400-GREY	Core Tray Plastic Lid Impala 4	Each
B	1126-30304	Impala ID Plate Impala 4	Hundred
C	1126-30102	Core Tray Plastic Clips Impala 4	Each
D	1124-00001	Core Tray Plastic Marker N2	Hundred
	1124-00000	Core Tray Plastic Marker H	Hundred
	1124-00005	Core Tray Plastic Marker P	Hundred

### N2 Core Tray

- Overall Length: 1000mm
- Usable Length: 920mm
- Width: 390mm
- Height: 67mm
- Weight: 2.2kg
- Core Capacity: 5 rows
- Pallet Quantity: 102
- Pallet Dims: 1100 x 1100 x 2015mm
- Pallet Weight: 245kg
- 20ft Container: 1200 trays
- 40ft Container: 2530 trays

### H Core Tray

- Overall Length: 1000mm
- Usable Length: 920mm
- Width: 390mm
- Height: 75mm
- Weight: 2.36kg
- Core Capacity: 4 rows
- Pallet Quantity: 81
- Pallet Dims: 1100 x 1100 x 1975mm
- Pallet Weight: 211kg
- 20ft Container: 1070 trays
- 40ft Container: 2200 trays

### P Core Tray

- Overall Length: 1000mm
- Usable Length: 920mm
- Width: 390mm
- Height: 95mm
- Weight: 2.46kg
- Core Capacity: 3 rows
- Pallet Quantity: 63
- Pallet Dims: 1100 x 1100 x 1955mm
- Pallet Weight: 175kg
- 20ft Container: 715 trays
- 40ft Container: 1485 trays

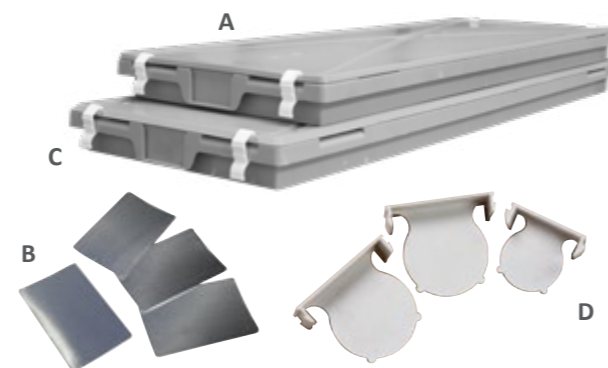
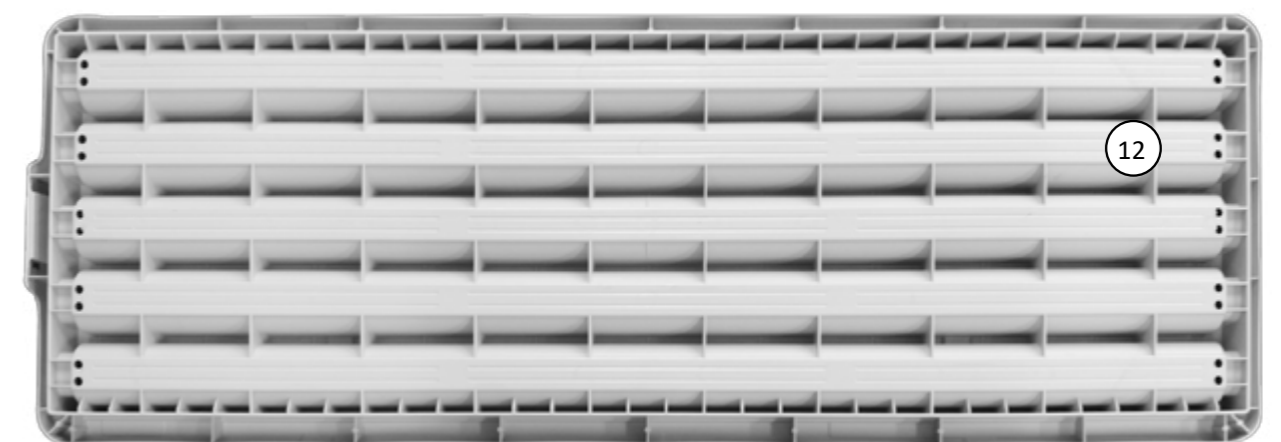
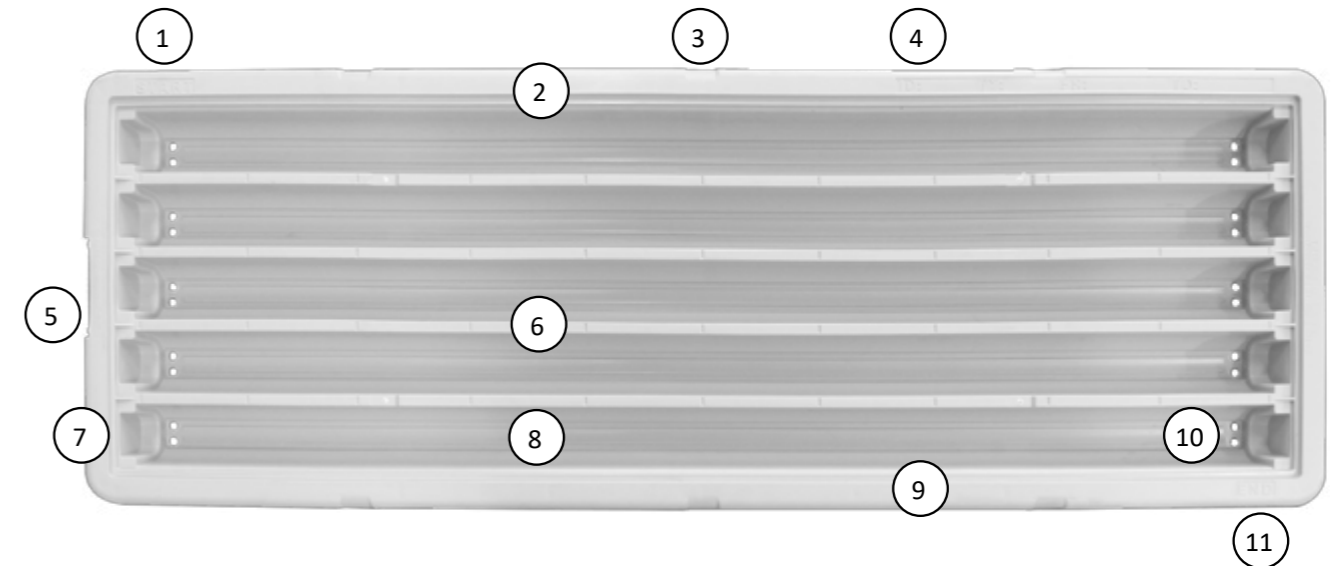
The tray is manufactured in a material for temperate climates to +55°C as standard. Trays are also UV stabilised and protected, giving longer life in the field.

## Core Tray Plastic

### Impala 5 Tray

Designed to be our strongest tray yet. Grey colour ex stock. White or Black to manufacture.

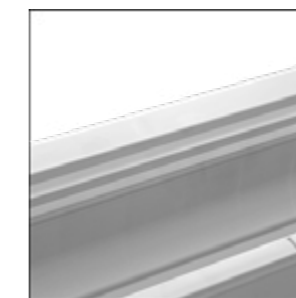
- Grey: Often preferred for photography, also reduces glare.
- White: Heightens contrast in photography.
- Black: Ideal for use with high-logger and Core ScanSystem.



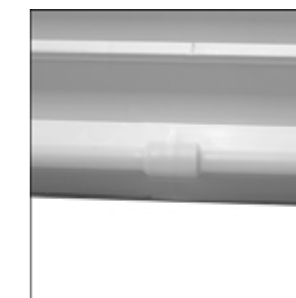
Grey: Often preferred for photography, also reduces glare  
 White: Heightens contrast in photography  
 Black: Ideal for use with high-logger and CoreScan system



1. A more prominent START marking to avoid mistakes when placing the core into the tray.



2. 5mm additional height around the external wall to ensure safer stacking whilst holding broken cores.

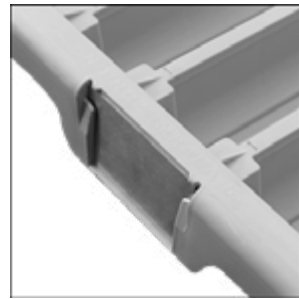


3. 3 indents for strapping – on each side to ensure maximum security during transport and handling.

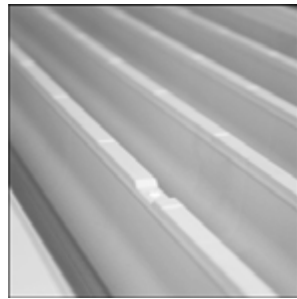


4. ID, TY, FR, TO marked on the tray handle for your notes. There is an embossed border around it, so your notes would not scratch off during the handling or when trays are stacked.

## Core Tray Plastic



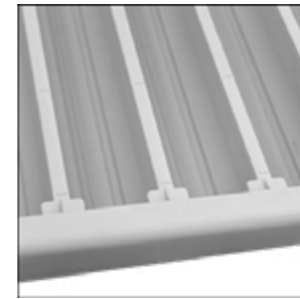
5. All the core trays come with an Aluminium or RFID-compatible tag slot. The impala 5 side clip has been updated to ensure the RFID tag does not slip out during transport.



6. An additional 5mm gap between trays when stacked leaving the rib height lower as per customers' preference.



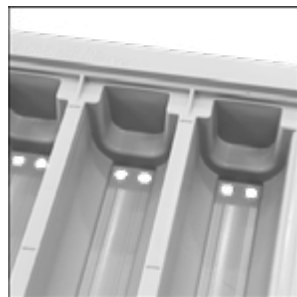
7. Deeper finger recess at the ends of each row to enable easy removal of the core.



8. Two Drainage Channels are provided for each row, in the form of two gullies running through the length of the tray.



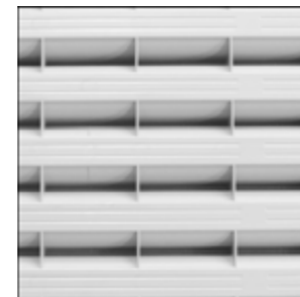
9. Wider and deeper Handle runs all the way around the tray to accommodate gloved hands.



10. Two drainage holes are provided at the start and end of each row.



11. A more prominent END marking to avoid mistakes when placing the core into the tray.



12. Flatter, single-planed bottom, designed for smoother rolling on core tray roller racking.

SKU	DESCRIPTION	SIZE
1126-30501-GREY	Impala 5 Plastic Core Tray	N2 - 5 Row
1126-30502-GREY	Impala 5 Plastic Core Tray	H - 4 Row
1126-30501-WHITE	Impala 5 Plastic Core Tray	N2 - 5 Row
1126-30502-WHITE	Impala 5 Plastic Core Tray	N2 - 4 Row
1126-30501-BLACK	Impala 5 Plastic Core Tray	N2 - 5 Row
1126-30502-BLACK	Impala 5 Plastic Core Tray	N2 - 4 Row

### Impala 5 Accessories

SKU	DESCRIPTION	UOM
1126-30500-GREY	Core Tray Plastic Lid Impala 5	Each
1156-00120	Aluminium Tag	Hundred
1124-00001	Core Tray Plastic Marker N2	Hundred
1124-00000	Core Tray Plastic Marker H	Hundred



### N2 Core Tray

- Overall Length: 1100mm
- Usable Length: 1000mm
- Width: 395mm
- Height: 65mm
- Weight: 2.7kg
- Core Capacity: 5 rows
- Pallet Quantity: 93
- Pallet Dims: 1180 x 1100 x 1990mm
- Pallet Weight: 280kg
- 20ft Container: 930 trays
- 40ft Container: 1860 trays

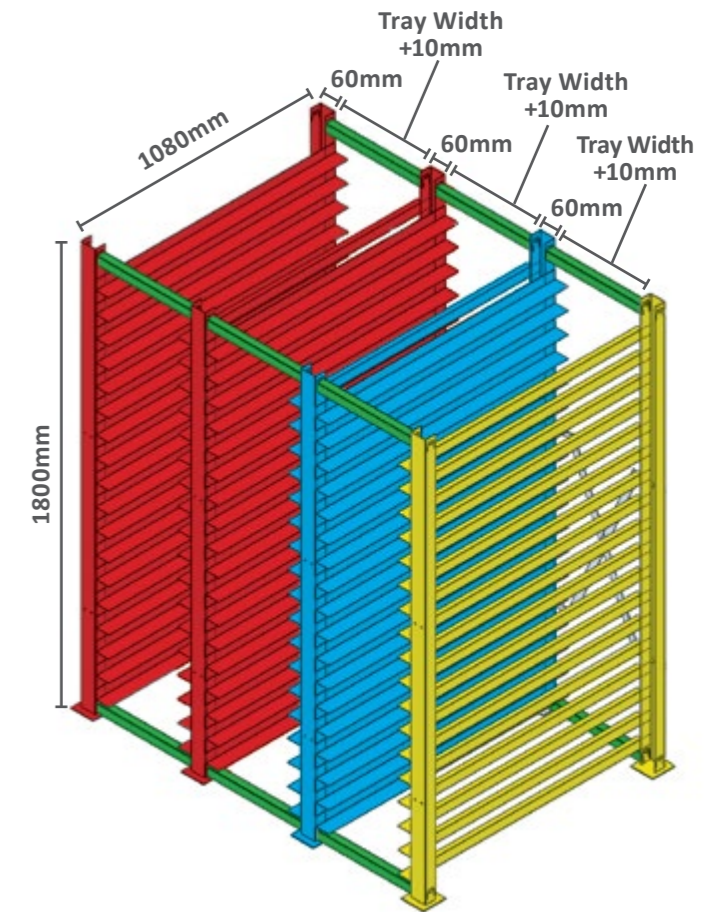
### H Core Tray

- Overall Length: 1100mm
- Usable Length: 1000mm
- Width: 395mm
- Height: 75mm
- Weight: 2.9kg
- Core Capacity: 4 rows
- Pallet Quantity: 75
- Pallet Dims: 1180 x 1100 x 1960mm
- Pallet Weight: 250kg
- 20ft Container: 750 trays
- 40ft Container: 1500 trays

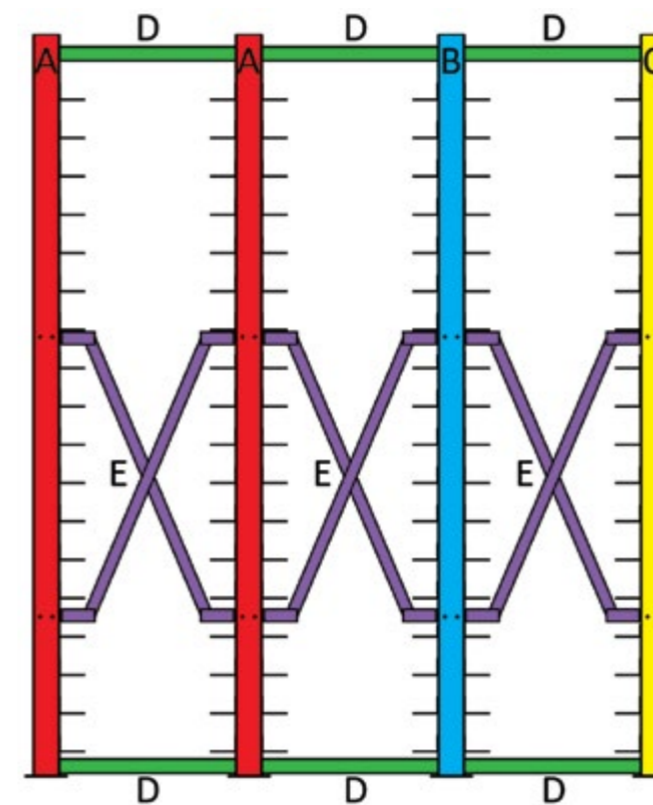
## Core Tray Racking

### Core Tray Racking End Loading

- Quick and easy to erect - lock join design virtually eliminates nuts & bolts and all slide rails are factory fitted.
- Manufactured in sizes to suit all core tray dimensions and core diameters. Complete galvanised unit ensures rust free long life. Tray spacing allows easy insert and removal.
- Modules lock join to allow unlimited expansion of racking system. Optional doors, roofing and side covers ensure complete protection.



Westernex offers the option to manufacture core tray racking that is customised to fit your needs. Please get in touch with our sales team for more information at [supply@westernex.com.au](mailto:supply@westernex.com.au)



### Rack Assembly Diagram

- A: Base Module
- B: Extension Module (or Supplementary)
- C: End Module
- D: Racking Spreader Bar
- E: Crossbrace

Please note: All nuts & bolts necessary for assembly of racks are supplied.



## Core Tray Racking

### End Loading - 1000x400 Metal Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11000-BASE	27	Base	B
1129-11000-EXT	27	Extension	B
1129-11000-END	27	End	B
1129-11001-BASE	27	Base	N2
1129-11001-EXT	27	Extension	N2
1129-11001-END	27	End	N2
1129-11002-BASE	21	Base	H
1129-11002-EXT	21	Extension	H
1129-11002-END	21	End	H
1129-11004-BASE	15	Base	P
1129-11004-EXT	15	Extension	P
1129-11004-END	15	End	P

### End Loading - Impala 2 Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11030-BASE	23	Base	B
1129-11030-EXT	23	Extension	B
1129-11030-END	23	End	B
1129-11031-BASE	23	Base	N2
1129-11031-EXT	23	Extension	N2
1129-11031-END	23	End	N2
1129-11032-BASE	18	Base	H
1129-11032-EXT	18	Extension	H
1129-11032-END	18	End	H
1129-11033-BASE	15	Base	P
1129-11033-EXT	15	Extension	P
1129-11033-END	15	End	P

### End Loading - 1070x470 Metal Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11010-BASE	27	Base	B
1129-11010-EXT	27	Extension	B
1129-11010-END	27	End	B
1129-11011-BASE	27	Base	N2
1129-11011-EXT	27	Extension	N2
1129-11011-END	27	End	N2
1129-11012-BASE	21	Base	H
1129-11012-EXT	21	Extension	H
1129-11012-END	21	End	H
1129-11013-BASE	15	Base	P
1129-11013-EXT	15	Extension	P
1129-11013-END	15	End	P

### End Loading - Impala 3 Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11040-BASE	23	Base	N2
1129-11040-EXT	23	Extension	N2
1129-11040-END	23	End	N2
1129-11041-BASE	20	Base	H
1129-11041-EXT	20	Extension	H
1129-11041-END	20	End	H
1129-11042-BASE	16	Base	P
1129-11042-EXT	16	Extension	P
1129-11042-END	16	End	P

### End Loading - Impala 1 Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11020-BASE	23	Base	B
1129-11020-EXT	23	Extension	B
1129-11020-END	23	End	B
1129-11021-BASE	23	Base	N2
1129-11021-EXT	23	Extension	N2
1129-11021-END	23	End	N2
1129-11022-BASE	20	Base	H
1129-11022-EXT	20	Extension	H
1129-11022-END	20	End	H
1129-11023-BASE	16	Base	P
1129-11023-EXT	16	Extension	P
1129-11023-END	16	End	P

### End Loading - Impala 4 Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11050-BASE	23	Base	N2
1129-11050-EXT	23	Extension	N2
1129-11050-END	23	End	N2
1129-11051-BASE	20	Base	H
1129-11051-EXT	20	Extension	H
1129-11051-END	20	End	H
1129-11052-BASE	16	Base	P
1129-11052-EXT	16	Extension	P
1129-11052-END	16	End	P

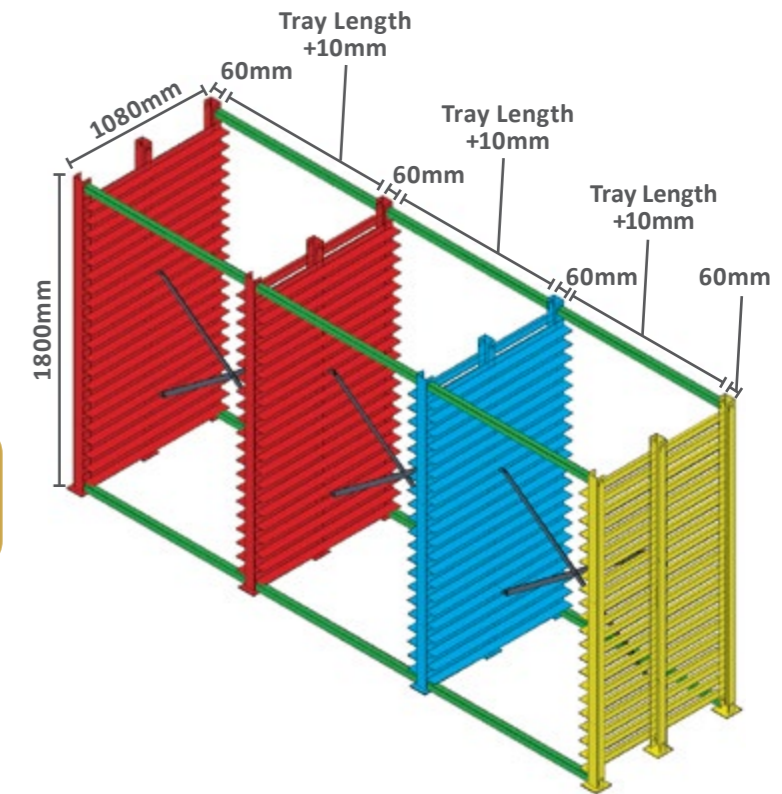
### End Loading - Impala 5 Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11058-BASE	23	Base	N2
1129-11058-EXT	23	Extension	N2
1129-11058-END	23	End	N2
1129-11059-BASE	20	Base	H
1129-11059-EXT	20	Extension	H
1129-11059-END	20	End	H

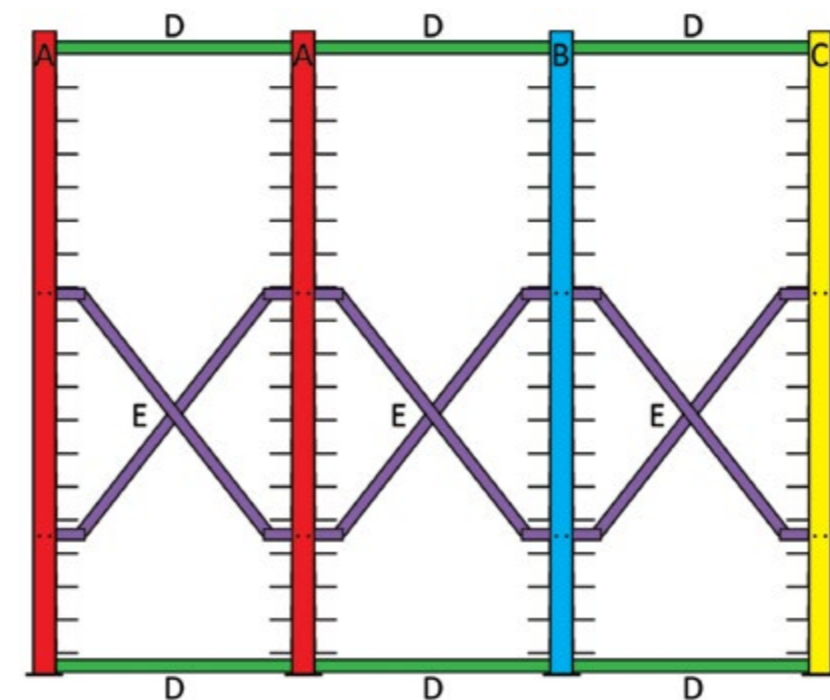
## Core Tray Racking

### Core Tray Racking Side Loading

- Quick and easy to erect - lock join design virtually eliminates nuts & bolts and all slide rails are factory fitted.
- Manufactured in sizes to suit all core tray dimensions and core diameters. Complete galvanised unit ensures rust free long life. Tray spacing allows easy insert and removal.
- Modules lock join to allow unlimited expansion of racking system. Optional doors, roofing and side covers ensure complete protection.



Westernex offers the option to manufacture core tray racking that is customised to fit your needs. Please get in touch with our sales team for more information at [supply@westernex.com.au](mailto:supply@westernex.com.au)



### Rack Assembly Diagram

- A: Base Module
- B: Extension Module (or Supplementary)
- C: End Module
- D: Racking Spreader Bar
- E: Crossbrace

Please note: All nuts & bolts necessary for assembly of racks are supplied

## Core Tray Racking

### Side Loading - Impala 2 Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11035-BASE	46	Base	B
1129-11035-EXT	46	Extension	B
1129-11035-END	46	End	B
1129-11036-BASE	46	Base	N2
1129-11036-EXT	46	Extension	N2
1129-11036-END	46	End	N2
1129-11037-BASE	36	Base	H
1129-11037-EXT	36	Extension	H
1129-11037-END	36	End	H
1129-11038-BASE	30	Base	P
1129-11038-EXT	30	Extension	P
1129-11038-END	30	End	P

### Side Loading - Impala 3 Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11044-BASE	46	Base	N2
1129-11044-EXT	46	Extension	N2
1129-11044-END	46	End	N2
1129-11045-BASE	40	Base	H
1129-11045-EXT	40	Extension	H
1129-11045-END	40	End	H
1129-11046-BASE	32	Base	P
1129-11046-EXT	32	Extension	P
1129-11046-END	32	End	P

### Side Loading - Impala 4 Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11055-BASE	46	Base	N2
1129-11055-EXT	46	Extension	N2
1129-11055-END	46	End	N2
1129-11056-BASE	40	Base	H
1129-11056-EXT	40	Extension	H
1129-11056-END	40	End	H
1129-11057-BASE	32	Base	P
1129-11057-EXT	32	Extension	P
1129-11057-END	32	End	P

### Side Loading - Impala 5 Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11060-BASE	46	Base	N2
1129-11060-EXT	46	Extension	N2
1129-11060-END	46	End	N2
1129-11061-BASE	40	Base	H
1129-11061-EXT	40	Extension	H
1129-11061-END	40	End	H

### Side Loading - 1000x400 Metal Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11005-BASE	54	Base	B
1129-11005-EXT	54	Extension	B
1129-11005-END	54	End	B
1129-11006-BASE	54	Base	N2
1129-11006-EXT	54	Extension	N2
1129-11006-END	54	End	N2
1129-11007-BASE	42	Base	H
1129-11007-EXT	42	Extension	H
1129-11007-END	42	End	H
1129-11008-BASE	30	Base	P
1129-11008-EXT	30	Extension	P
1129-11008-END	30	End	P

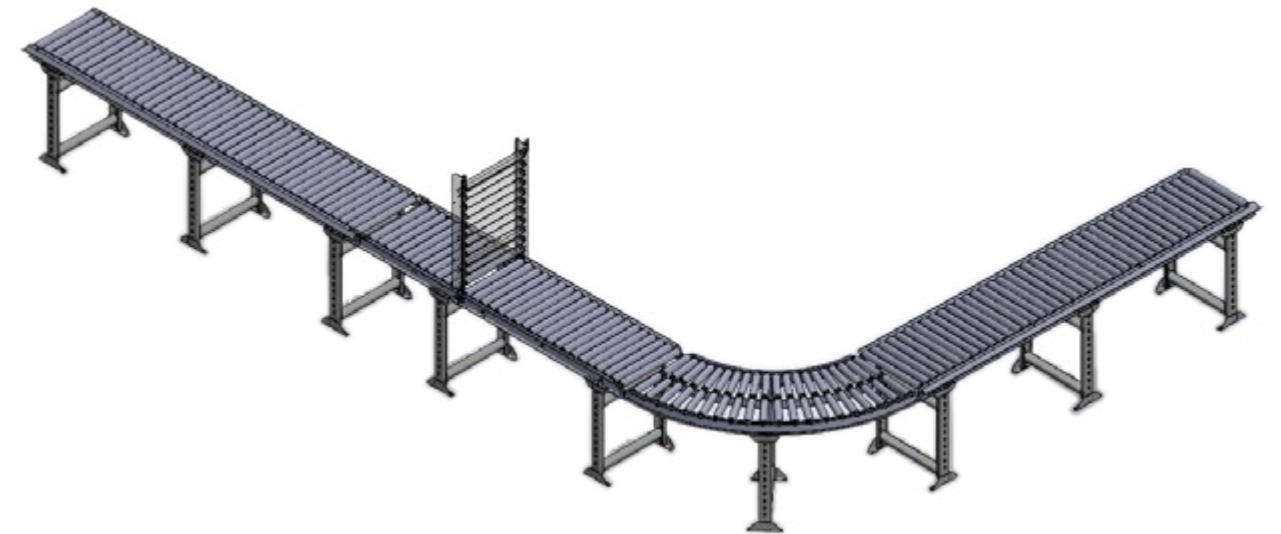
### Side Loading - 1070x470 Metal Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11014-BASE	54	Base	B
1129-11014-EXT	54	Extension	B
1129-11014-END	54	End	B
1129-11015-BASE	54	Base	N2
1129-11015-EXT	54	Extension	N2
1129-11015-END	54	End	N2
1129-11016-BASE	42	Base	H
1129-11016-EXT	42	Extension	H
1129-11016-END	42	End	H
1129-11017-BASE	30	Base	P
1129-11017-EXT	30	Extension	P
1129-11017-END	30	End	P

### Side Loading - Impala 1 Trays

SKU	QUANTITY (TRAYS/MODULES)	TYPE	SIZE
1129-11025-BASE	46	Base	B
1129-11025-EXT	46	Extension	B
1129-11025-END	46	End	B
1129-11026-BASE	46	Base	N2
1129-11026-EXT	46	Extension	N2
1129-11026-END	46	End	N2
1129-11027-BASE	40	Base	H
1129-11027-EXT	40	Extension	H
1129-11027-END	40	End	H
1129-11028-BASE	32	Base	P
1129-11028-EXT	32	Extension	P
1129-11028-END	32	End	P

## Core Tray Roller Racking - Welded SWL Rated



### Roller Conveyor Frame

Your choice of roller conveyor will depend on the nature of the articles to be moved. Generally, goods that are heavy or less uniform in shape, or both, will require roller conveyors. Although each part of a gravity section has separate load capacities, it is important to note that the overall capacity of the section is dependent upon the combination of roller pitch, roller type and the method of support.

Available in both straight and curved sections, the side channel is made from thick material, folded into a 'C' section for strength. The cross members are made of inverted angle iron, strategically welded into position to reinforce the section and provide a bed for the rigid support.

There are standard lengths for straight sections (1500mm and 3000mm) and curves (45° and 90°). 'Oval' axle holes to suit our standard gravity rollers are punched for flexibility of roller pitch. Sections interlock to form a positive and secure joint between frames, allowing the flexibility to add or reduce sections as required.

Straight sections incorporate a bar coupler at one end and a hook coupler at the other. Curved sections have universal couplers at both ends. Manufacture allows the flexibility to provide non-standard lengths or widths upon request.

*Westernex offers the option for customers to submit drafts or estimations of their own custom layout suited to their needs from which we can supply a quote.*

### Conveyor Straight Frame

Rollers sold separately.

SKU	SIZE (L x W)
1504-00009-1500	1500mm x 450mm
1504-00009-3000	3000mm x 450mm
1504-00001-1500	1500mm x 600mm
1504-00001-3000	3000mm x 600mm

*SWL Rated and Certified*



### Ori-V Guide

SKU	SIZE
1504-00132-1500	1500mm
1504-00132-3000	3000mm





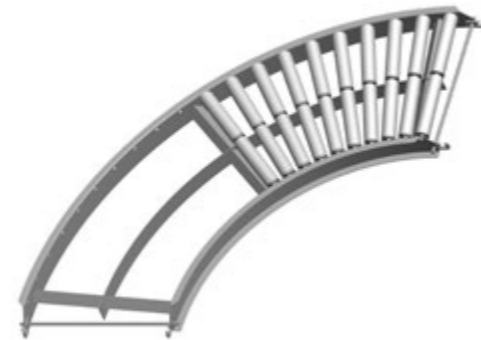
## Core Tray Roller Racking - Welded SWL Rated

### Conveyor Curved Frame

Rollers sold separately.

SKU	TYPE	SIZE (L x W)
1504-00103	45°	999.3mm x 450mm
1504-00013	90°	1372mm x 450mm
1504-00033	45°	999.3mm x 600mm
1504-00006	90°	1372mm x 600mm

SWL Rated and Certified

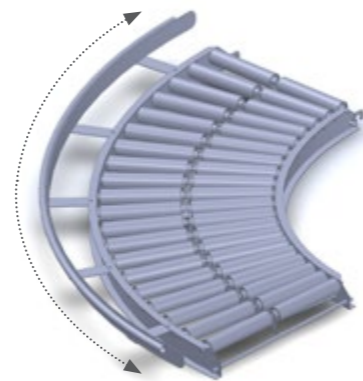


### Conveyor Frame Corner Guard

Does not include curve frame.

SKU	TYPE	SUITABLE FRAME WIDTH
1504-00037	90°	450mm
1504-00049	90°	600mm

SWL Rated and Certified



### Conveyor Modified Gate

Rollers sold separately.

SKU	SIZE (W x L)
1504-00017-1200	450mm x 1200mm
1504-00017-900	450mm x 900mm
1504-00028-1200	600mm x 1200mm
1504-00028-900	600mm x 900mm

SWL Rated and Certified



### Conveyor Frame Hinged End Stops

SKU	SUITABLE FRAME WIDTH
1504-00205	450mm
1504-00109	600mm



## Core Tray Roller Racking - Welded SWL Rated

### Conveyor Rollers Galvanised Steel

110kg capacity. These rollers are made from Electric Resistance Welding (ERW) galvanised steel tube, providing a strong and durable roller. The bearing is all steel construction incorporating a hardened steel, caged ball bearing, shielded and greased.



	SKU	DESCRIPTION	SUITABLE FRAME WIDTH
A	1504-00015	Straight Frame	450mm
B	1504-00016	Curved Frame	450mm
A	1504-00007	Straight Frame	600mm
B	1504-00008	Curved Frame	600mm

### Conveyor Rollers Polypropylene

50kg capacity. These rollers are made from polypropylene tube, UV-stabilised but suitable for indoor use only. The bearing inner and outer is manufactured from acetal with a single row of carbon steel balls.

These lightweight, quiet running rollers are used to reduce possible damage and are suitable where corrosive elements may affect efficiency or hygiene standards. They are not suitable for extreme corrosive conditions, where non-standard bearings and shaft material would be required.



	SKU	DESCRIPTION	SUITABLE FRAME WIDTH
C	1504-00019	Straight Frame	450mm
D	1504-00020	Curved Frame	450mm
C	1504-00023	Straight Frame	600mm
D	1504-00024	Curved Frame	600mm

### Roller Quantity Table 110kg Capacity

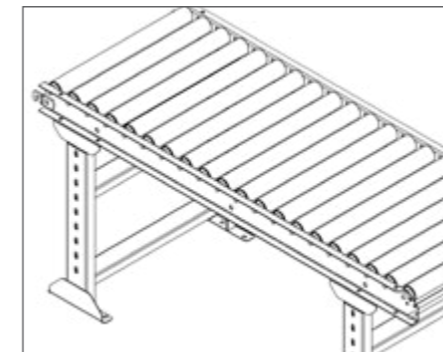
#### Straight Frame

ROLLER PITCH	ROLLERS PER FRAME	
	3000mm	1500mm
75	40	20
112	27	13
150	20	10

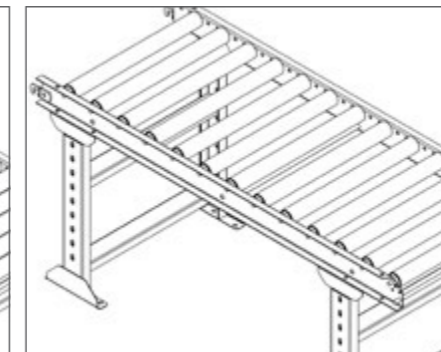
#### Curved Frame

ROLLER PITCH	ROLLERS PER FRAME	
	45°	90°
75	10	20
150	5	10

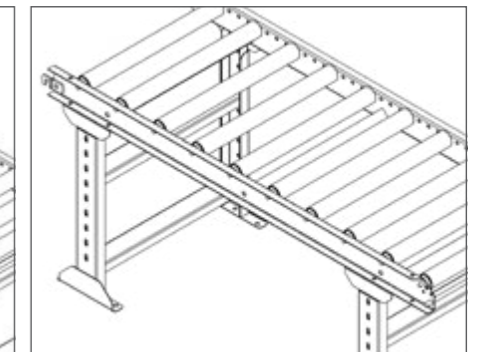
#### 75 Pitch



#### 112 Pitch



#### 150 Pitch



Email [supply@westernex.com.au](mailto:supply@westernex.com.au) if you have any enquiries regarding roller racking options.



## Core Tray Roller Racking - Welded SWL Rated

### Ori-Rack Roller Frame

SKU	SIZE
1504-00051	600mm x 3000mm

*We can customise these racks to your requirements.*

Please provide the frame measurements at the time of the quote request.

### Conveyor Ball Transfer Table

These simple, but very adaptable free-rolling units provide the capability to easily re-direct trays in any direction with minimum effort. Operators can move any flat object in any direction on a horizontal plane. They are especially suited for transferring goods from one conveyor line to another. Best suited for non-dusty environments. Rollers are sold separately.

SKU	SIZE (W x L)
1504-00018	450mm x 1000mm
1504-00105	600mm x 1000mm

*\*Please note that the Impala 3 and 4 trays do not require these.*

### Conveyor Rigid Support RHS

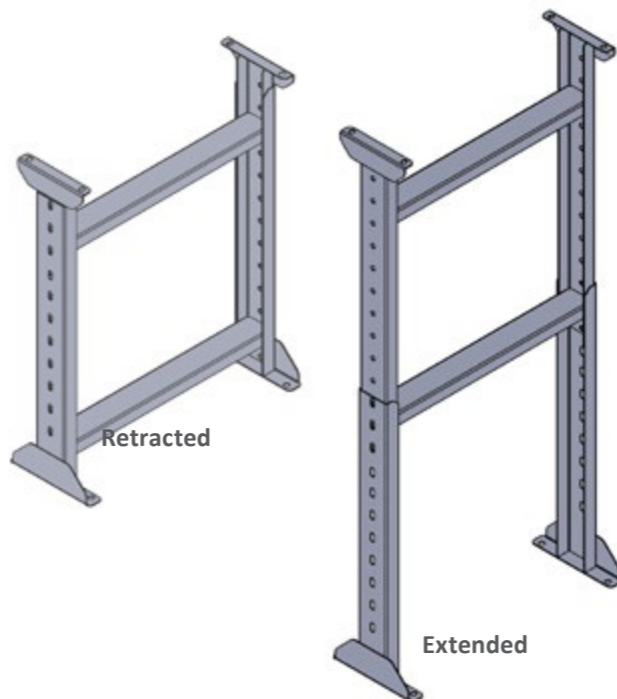
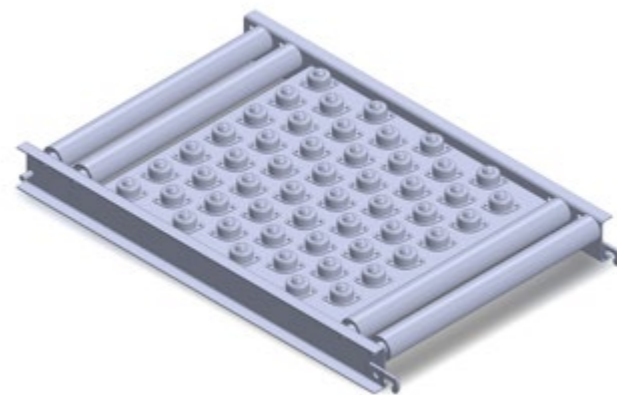
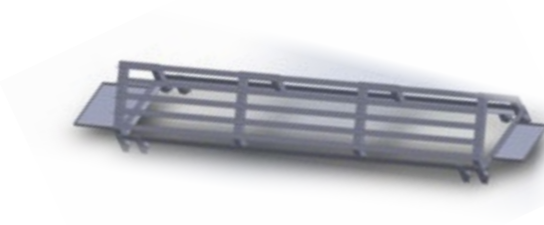
Rigid supports provide a firm foundation for all the roller and wheel conveyor sections in the range.

Made from rectangular hollow steel (RHS) and fully welded for strength and reliability, each stand can be individually adjusted to the height required. A range of models is available to suit various frame widths, providing the choice of operating heights from 610mm to 1320mm.

While supports have the flexibility to be used as free-standing units, it is recommended that they are bolted into position to ensure operator safety.

SKU	SIZE (W x H)
1504-00126	450mmW x 610-1016mmH
1504-00127	450mmW x 760-1320mmH
1504-00041	600mmW 610-1016mmH
1504-00125	600mmW 760-1320mmH

*SWL Rated and Certified*



## Core Tray Roller Racking

Pictured below is a core tray roller racking system belonging to one of our customers. As mentioned previously, Westernex offers the option for customers to submit drafts or estimations of their own custom layout suited to their needs from which we can supply a quote.





## Core Tray Roller Racking -Bolt Together



Your choice of roller conveyor will depend on the nature of the articles to be moved. Generally, goods that are heavy or less uniform in shape, or both, will require roller conveyors. Although each part of a gravity section has separate load capacities, it is essential to note that the overall capacity of the section is dependent upon the combination of roller pitch, roller type, and the method of support.

Available in both straight and curved sections, the side channel is made from thick material. The cross members are made of inverted angle iron, strategically bolted into position to reinforce the section and provide a bed for the rigid support.

### Conveyor Straight Frame

Rollers are sold separately.

SKU	SIZE (W x L)
1504-96001-1500	600mm x 1500mm
1504-96001-3000	600mm x 3000mm

### Conveyor Galvanised Steel Rollers, Quantity Table (Straight Frame)

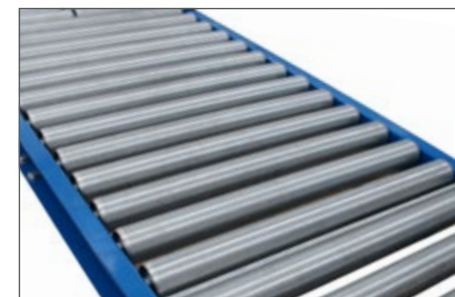
SKU	ROLLER PITCH	ROLLERS PER FRAME, 3000mm
1504-96007	75	40
	112	27
	150	20

Holes to suit our standard gravity rollers are punched for the flexibility of the roller pitch. Sections interlock to form a positive and secure join between frames, allowing the flexibility to add or reduce sections as required. Straight sections incorporate a bar coupler at one end and a hook coupler at the other. Curved sections have universal couplers at both ends.

The manufacturer allows the flexibility to provide non-standard lengths or widths upon request. Roller Conveyor Frame Westernex offers the option for customers to submit drafts or estimations of their own custom layouts suited to their needs from which we can supply a quote.



75 Pitch



112 Pitch



150 Pitch



## Core Tray Roller Racking -Bolt Together

### Conveyor Curved Frame

Does not include the Frame Corner Guard.

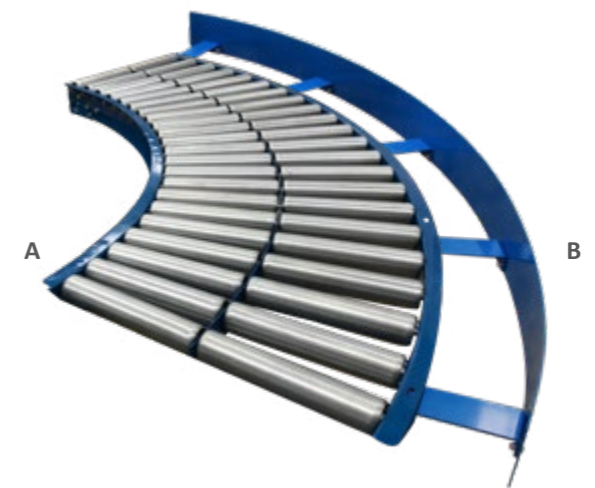
SKU	TYPE	SIZE
1504-96002-90	90°	600mm x 90deg

Comes with rollers populated with 75 pitch.

### Conveyor Frame Corner Guard

Does not include curve frame.

SKU	SIZE
1504-96003-90	600mm x 90deg



### Conveyor Modified Gate

SKU	SIZE (W x L)
1504-96005-1200	600mm x 1200mm

Comes with rollers populated with 75 pitch.



### Conveyor Rigid Support RHS

SKU	SIZE (W x H)
1504-96006	600mm X



### Conveyor Frame Hinged End Stops

SKU	SUITABLE FRAME WIDTH
1504-96004	600mm

### V-Guide Straight Frame

SKU	SIZE (W x L)
1504-90001-1500	600mm x 1500mm
1504-90001-3000	600mm x 3000mm



## Core Tray Roller Racking

### Heavy Duty Steel Wheel Curved Expandable Trolley

A great addition to our roller racking family, this trolley will ensure easy manoeuvring of core trays to save your teams back when moving core around the core farm.

**Equipped with:**

- 4 x 5inch wheels that are lockable (Rated 150kg each).
- Weight load rating limit of max. 200kg/m.
- It's the perfect solution to transport core.
- The load rating for this roller trolley conveyor is maximum 200kg/m.
- Height adjustable legs.
- Comes with 4 x 5inch Wheels that are lockable (Rated 150kg each)
- Each conveyor comes with a removable End Stops on both sides and connection hooks to attach additional conveyors for extra length.

**Specification**

- Capacity: 150kg p/meter
- Compact length: 1500mm
- Extended length: 4000mm
- Width: 610mm
- Adjustable Height: 700mm - 1000mm



SKU
1504-96019-600

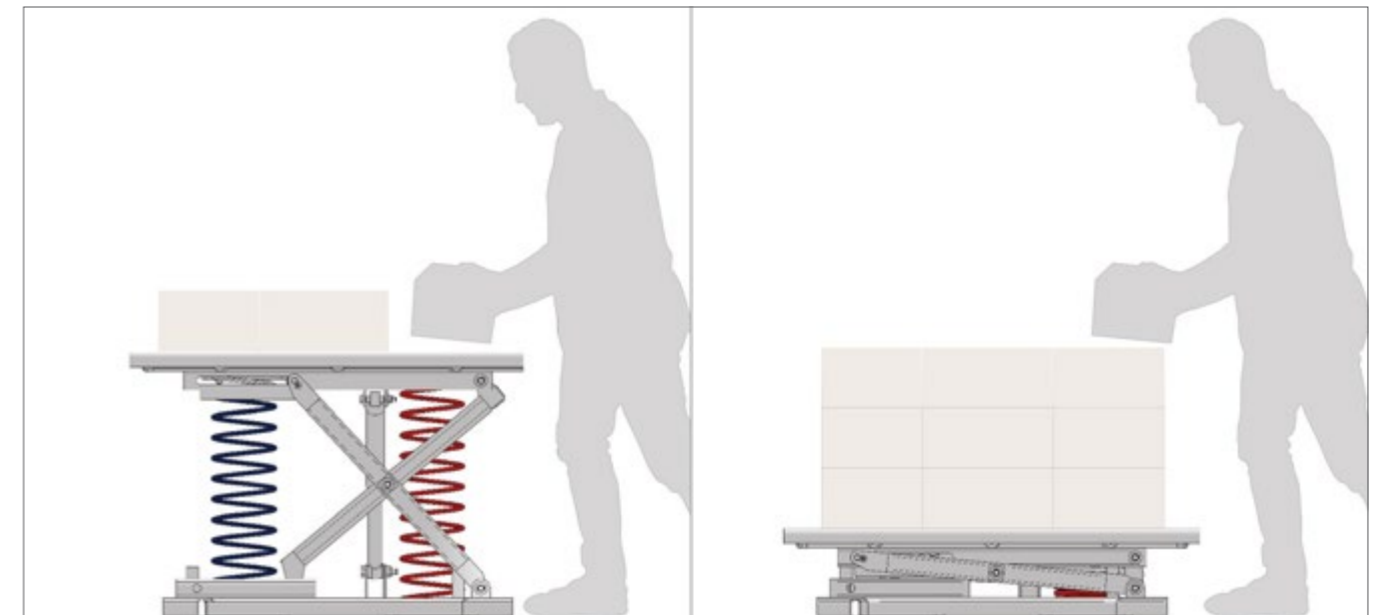
## Pallet Loader

### How does Palift work?

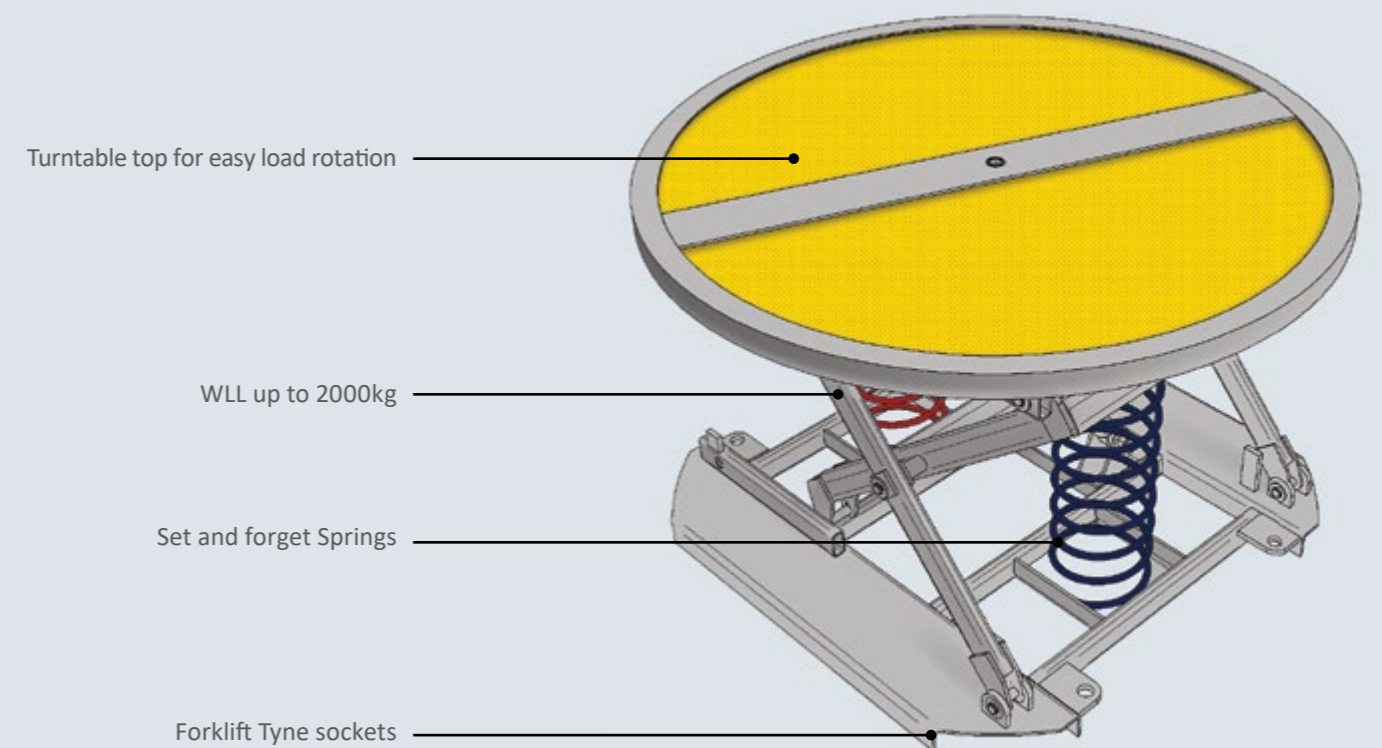
Pallet Levellers resemble scissor lift tables. They have a platform top and a base connected by a pair of scissor legs. The levelling mechanism is a set of springs tuned to the weight and height (the density) of the product. Pallet levellers work automatically to raise or lower as the weight changes. Load setting is a simple process and for most users springs never have to be changed. A shock absorber prevents any bounce and all Australian Palifts are supplied with a standard galvanised finish.

Durable and tough, with zero power requirements, Palift can be used in a wide range of applications including warehousing, packing, wash down and other harsh environments.

By automatically keeping a pallet or stillage at the optimum working height when loading or unloading goods, Palift dramatically reduces the effort required to palletise and depalletise goods. Our proven design is incredibly robust and will endure many years of daily use without maintenance.



### Palift Turntable Parts





## Pallet Loader

### Palift Turntable

This simple, automatic unit is ideal for most pallet loading applications. It incorporates a turntable to allow nearside loading and a system of springs and shock absorbers which lower and raise the unit as pallets are built up and broken down, to maintain a constant working height. No power or air supply is required.

- Maximum Working Capacity: 2000kg
- Maximum Height (Extended): 709mm
- Minimum Height (Compressed): 239mm
- Platform Top: 1100 Ø
- Durable Fully Galvanised Frame: Yes
- Product Weight: 150kg



SKU
1204-00201

### Palift Mobile Dolly Base & Dolly Handle

**Dolly Base:** This sits under a Palift for easy manual movement. Removing the handle drops the base to the ground, locking the Palift into position.

**Dolly Handle:** This strong and easy to use handle can be separated from the Base Frame and stored for later use. It can also be used on any other Palifts with the Mobile Base Frame Installed.



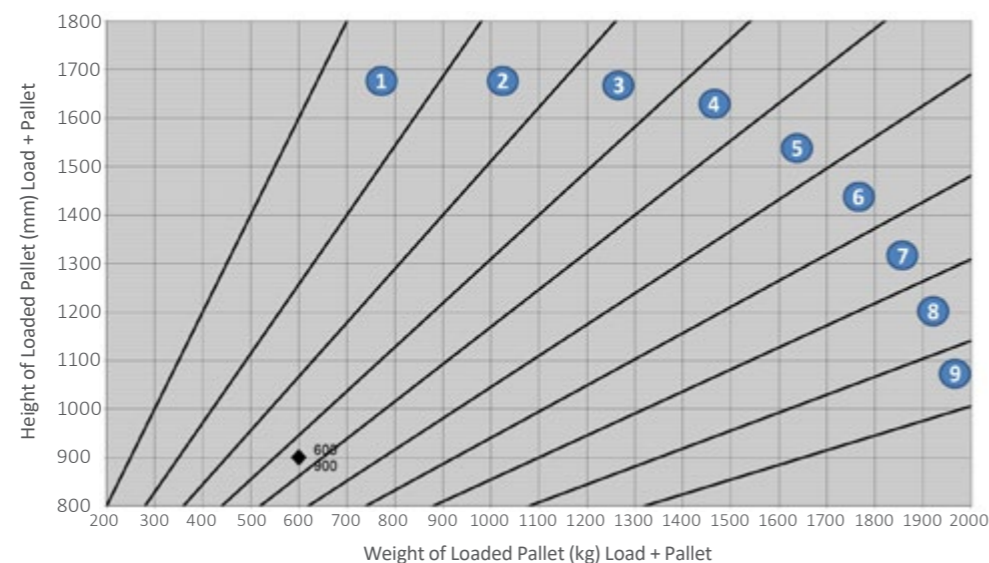
SKU
1204-00202

### Palift Spring Selection Chart

SKU	DESCRIPTION
1204-00206-B	Comp Spring to suit Palift Turntable - Blue
1204-00206-G	Comp Spring to suit Palift Turntable - Green
1204-00206-R	Comp Spring to suit Palift Turntable - Red
1204-00206-W	Comp Spring to suit Palift Turntable - White
1204-00206-Y	Comp Spring to suit Palift Turntable - Yellow

**Note:** Please select the Turntable and then also add in the Spring Combinations you require on your Quote. Yellow springs are smaller diameter springs that fit inside standard diameter springs. Yellow springs must never be used alone.

SPRING COMBINATION NUMBER	RECOMMENDED COMBINATION
1	White x 2
2	Red x 1 + White x 1
3	Red x 2
4	Blue x 1 + Red x 1
5	Blue x 2
6	Green x 1 + Blue x 1
7	Green x 2
8	Blue x 2 + Yellow x 2
9	Green x 2 + Yellow x 2



## PVC Splits

Westernex PVC splits are used to keep core samples in one piece and prevent the contamination or loss of samples. They are ideal for samples that are broken or wet and can be extracted directly onto splits from the drill tube and, subsequently, into core trays. These PVC splits are made in our own facility and so custom sizes can be requested.



PVC split being used to transfer wet core sample into plastic core tray



PVC split in plastic core tray



Heat-sealed layflat tube in plastic core tray



PVC split in heat-sealed layflat tube in plastic core tray

### PVC Splits

SKU	SIZE
1124-00310	N
1124-00311	H
1124-00312	P



### Layflat Tube

Westernex layflat tube is used to protect your core from the natural elements that occur once stored. When nitrogen replaces oxygen, it stops oxidation (especially for high sulfide core). Our layflat tube is made in house, which allows us flexibility to make any custom size you may require.

SKU	TYPE	THICKNESS (um)	SIZE
1107-01000	B	100	60mm x 100mtr
1107-01001	N2	100	80mm x 100mtr
1107-01002	H	100	110mm x 100mtr
1107-01003	P	100	135mm x 100mtr



### Heat Sealer

For sealing polypropylene and polythene bags and tubing. Perfect for a multitude of applications, it makes excellent air and water tight seals on most plastic materials.

SKU	SIZE
A 1213-00700	300mm with Cutter
B 1213-00701	400mm
1213-00703	600mm

Other sizes available upon request.





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