

HV JUICE

We're celebrating the best of New Zealand innovation and design by showcasing our most popular **locally made products** that we are proud to stock.



**NZ
MADE**




This Issue



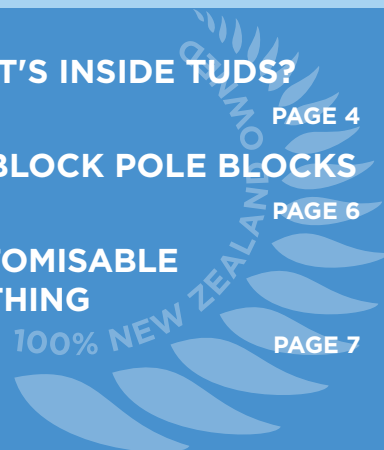
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Working For
NZ**
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www.transnet.co.nz

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WORKING FOR NEW ZEALAND

TransNet is a 100% New Zealand owned and operated business. Our business is based on providing quality products quickly to our many valued customers from our extensive stock holding. We pride ourselves on high quality customer service. Our R&D division designs game changing products for our customers, and where possible these products are produced here in NZ using Kiwi businesses.

We understand the importance of supporting other local New Zealand businesses and in turn creating local employment opportunities and sales revenue streams. Our staff are our family, and together

we have taken on the challenge of sustainability and environmental responsibility. Our carbon neutral status was borne of this challenge. Our onsite solar micro grid generates more than 100% of the electricity we consume with the surplus being fed back into the NZ electricity grid.

Together we have reduced our landfill by 66% and increased recycling to include polystyrene. This has been supported by using innovative packaging materials for sustainable solutions.

Our whole team at TransNet would like to take this opportunity to thank you for your continued support.



WHAT MAKES TRANSNET DIFFERENT?

- ▀ ENVIRONMENTALLY RESPONSIBLE
- ▀ SUPPORTING LOCAL BUSINESSES
- ▀ EXTENSIVE STOCK HOLDING
- ▀ R&D WORKSHOP
- ▀ LOCAL & INTERNATIONAL PRODUCT SUPPORT
- ▀ DELIVERY FLEET
- ▀ IN-HOUSE TECHNICAL SPECIALISTS



SUSTAINABILITY IN ACTION

We're here to help you keep the power on, but there are ways to do that while also looking after our environment. Gaining ISO 14001 (Health, Safety, & Environment) and ISO 14064-1 (GHG Emission Management) certification in 2017 sparked a passion for us. We strived to keep improving and in 2019 our efforts were rewarded when we became Certified Carbon Neutral. Offsetting the remainder of our carbon emissions was something we investigated

thoroughly, wanting to work within our industry and at the same time to help a community. We chose a hydroelectric power station project in a third world country to help, something pretty special that we are immensely proud to have contributed to.

We want to show that it's possible to minimise our impact without having to compromise our values. We're also assisting some of our customers on their own sustainability journey!

100% NEW ZEALAND





WHAT'S INSIDE?

TOTAL UNDERGROUND DISTRIBUTION SYSTEM

TUDS is designed to house fusing for customer services completely out of sight, safely and securely underground. TUDS have been tested to accommodate the weight of vehicles passing over them and are perfect for areas where space is an issue, store frontages, infill housing situations, or locations where aesthetics call for the landscape to be clean and uncluttered.

These pits were designed and built here as a solution to a specific problem faced by a New Zealand utility, and have now been in use around the country for almost twenty years.

The enclosure itself has been tested (AS/NZS3661.1:1993 pedestrian slip, AS3996-1992 downward force) for its ability to stand up to the elements.

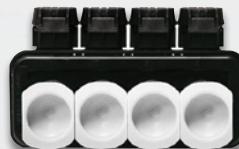
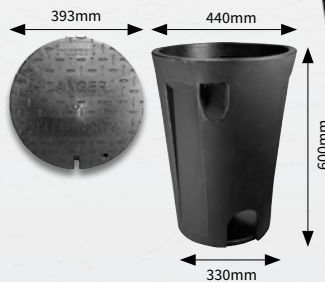
- **Safe & secure** for the public
- Can be **installed live**
- Lid latches into place & requires a **tool for access**
- All fittings are **touch safe** and **fully submersible**
- Pit & lid manufactured from durable black **UV resistant** plastic compounds
- **Fully recyclable**
- Stainless steel **spring lock** available



PIT & LID DESIGNED AND MADE IN NEW ZEALAND, AND LOADED WITH IMPORTED COMPONENTS CHOSEN FOR NZ SPECIFIC APPLICATIONS



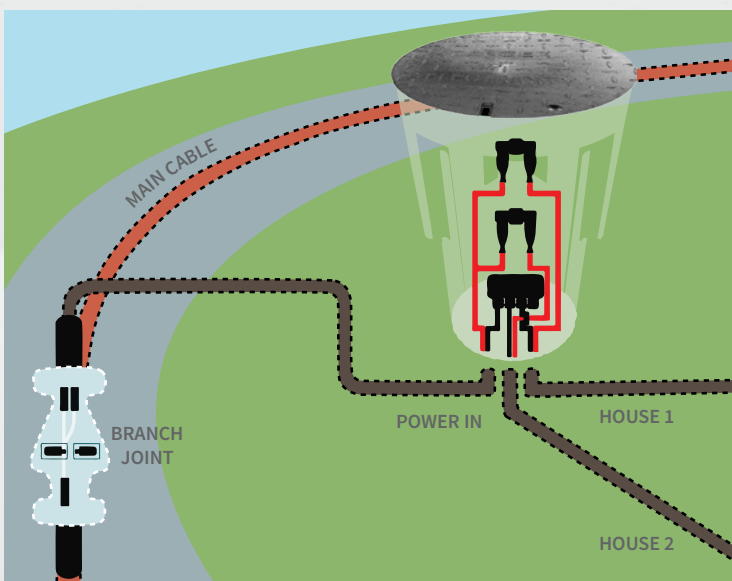
Pit Fuse K199: Fully submersible design rated to IP68. Accepts barrel fuse links up to 100amps & copper or aluminium cable, 6mm² – 50mm².



Gelport Connector: insulated multiport busbar. Accepts both copper and aluminium cable. 6mm² – 150mm² (larger 16–240mm² also available) ANSI C119.1, 2002.



Guro MM5 Branch Joint Kit: Used to tap a supply from the main transformer cable to the pit. Can connect single & multicore main to single & multicore supply cable. Environmentally friendly insulating compound.



TUDS
TOTAL UNDERGROUND DISTRIBUTION SYSTEM



New Zealand is a bit different to the rest of the world – we can't just take regular products off the shelf and expect them to work.

Our Raychem kits are designed by local TE technical specialists and built right here at TransNet for the New Zealand market, using the amazing components that Raychem design and build, with a focus on ease-of-use and functionality.

Raychem does all their own R&D, with traceability from the raw material right through to their finished products, and manufactures to their exacting standards using their own parts. Raychem products have been tested as a complete solution working together seamlessly, giving you peace of mind in knowing the components you use are of the highest quality.

At TransNet we offer several hundred different kits for many different cables, and we also have the ability to customise specialist kits for unique cables on request to suit the specific requirements of each individual network. Our state-of-the-art, fully certified facility at TransNet's head office has the flexibility to make kits how you need them, when you need them. In an industry where connections really do count, we want ours to be as simple and effective as possible.



THE ONLY RAYCHEM KITTING ROOM IN NEW ZEALAND



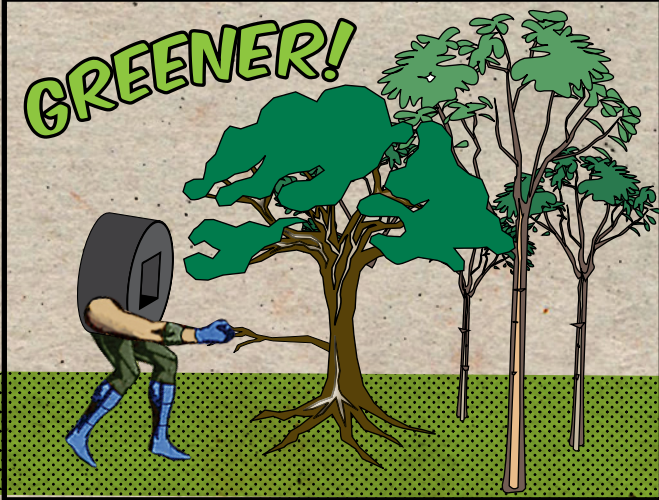
Raychem
from TE Connectivity



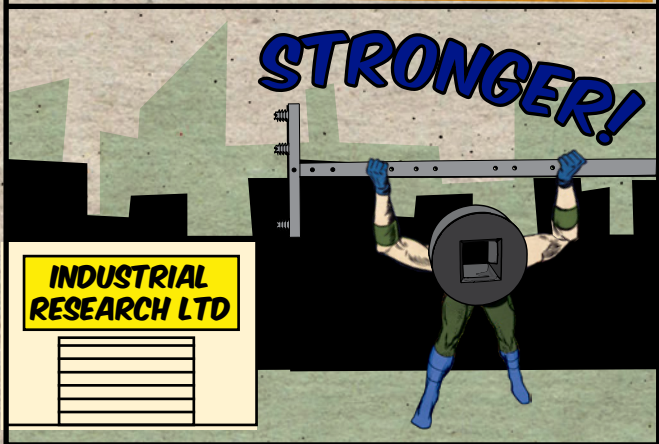
SAFER THAN THE REST! ECOBLOCK POLE BLOCKS



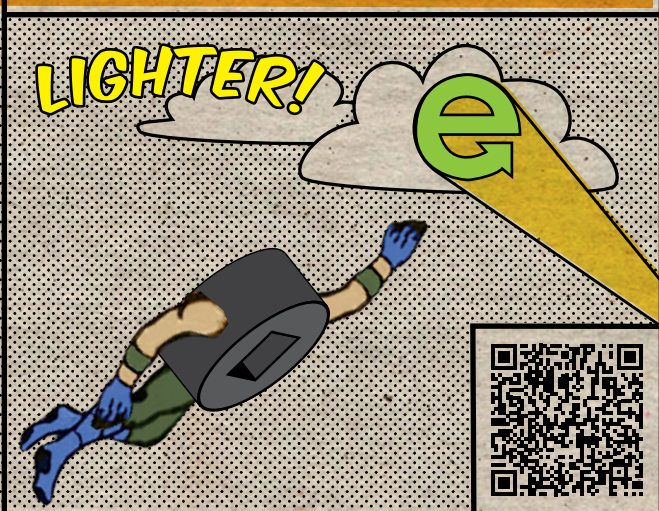
Manufactured from repurposed plastic, ECOBlocks are harm free to the environment throughout their long life and recyclable after their useful life ends!



Under stress testing at Industrial Research Ltd. concrete crumbled fairly easily, but the plastic newcomer continued to resist!



The average existing Breast Block weighs around 75 kg, while TransNet's ECOBlock Breast Block weighs 11kg!



WHEN REGULAR CONCRETE BLOCKS JUST CAN'T HACK IT...

ECOBLOCK!

Similar installed cost to concrete blocks with less risk

Lightweight and easy to transport - no need for hiab or fork hoists.

Full range - includes heel blocks, breast blocks, donuts (for both Humes & Busck poles) and Anchor blocks.

Environmentally responsible - made from repurposed HDPE plastic and can be recycled

Safer - won't crack or break like concrete can

e ECO BLOCK

SAFER!

According to the Health and Safety at Work Act 2015 workers have a duty to eliminate risks to health and safety if reasonably practicable. Now you know there's a safer solution to concrete blocks that can prevent strain or crush injuries, shouldn't you use it?

HEALTH & SAFETY AT WORK ACT 2015



Part No.	Description	Dimensions (mm)			Weight (kg)	Strength (kN)
		Length	Width	Depth		
HB450	Heel Block	450	350	100	5	135
HBDNUT430	Single Pole Donut Block - Humes Pole	430 Diameter	225		10	200
HBDNUT480	Single Pole Donut Block - Busck Pole	480 Diameter	225		14	200
BB600	Breast Block	600	350	100	6	140
BB900	Breast Block	900	350	100	11	150
BB1200	Breast Block	1200	350	100	14	200
AB1200	Anchor Block - 10mm Plate	1200	350	100	25	20

Note: up to 200kN rated AB1200 is available on special request.



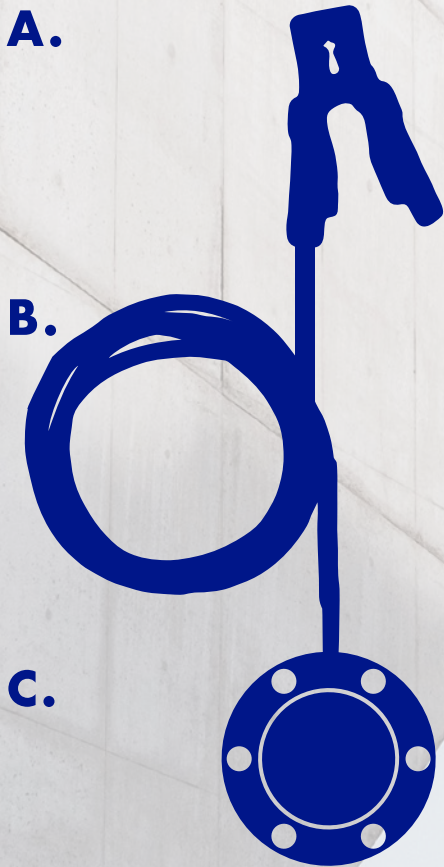
LV EARTH SETS, JUMPERS, & TRUCK EARTHS

These temporary earthing products are **fully tested** by our In-House Test Lab

We've selected products that are lightweight, flexible, and easy to use as an essential part of your toolkit. The beauty of these ranges is that they are completely customisable, so whatever your application, the perfect lead can be assembled right here at TransNet.

FEATURES

- Customisable clamp, cable size, cable length, & design - simply advise us of your requirements
- Fast, easy installation and removal
- Four cable sizes (35mm², 50mm², 70mm², 95mm²) and four clamp types available
- Sturdy carry bag also available



A. LV JUMPER CLAMPS



1. ATR13047-1 | 2. ATR13047-2 **NEW** Grounding Clamps (Red / Black)

- Fast installation
- **Fault rated/tested 10kA 0.5 sec**
- Suitable for conductors or flat bars
- Connects to almost anything

3. BLP12-TIN S/Driver Clamp (Blue)

- Jaw opening 5-19mm OD
- Split bolt capacity, tap conductor 5-8mm OD

4. SC-P101559-02 S/Driver Clamp (Yellow)

- Jaw opening 0-27mm OD
- Strain relief accommodates 25-35mm² lead

B. COPPER CONDUCTOR

- Clear sheath for visual inspections
- Extra flexible electrolytic cable
- 750V insulated protection made of crystal clear PVC for visual inspection of the copper filaments
- Custom lengths available in 0.5m increments



- CTC-35** 35mm² copper cable
- CTC-50** 50mm² copper cable
- CTC-70** 70mm² copper cable
- CTC-95** 95mm² copper cable

CUSTOM SPECIFICATIONS

Number of Leads	Cable Length				Clamp Type			
	35mm ²	50mm ²	70mm ²	95mm ²	□ 1	□ 2	□ 3	□ 4
<input type="checkbox"/> LEAD 1	(m)	(m)	(m)	(m)	□ 1	□ 2	□ 3	□ 4
<input type="checkbox"/> LEAD 2	(m)	(m)	(m)	(m)	□ 1	□ 2	□ 3	□ 4
<input type="checkbox"/> LEAD 3	(m)	(m)	(m)	(m)	□ 1	□ 2	□ 3	□ 4
<input type="checkbox"/> LEAD 4	(m)	(m)	(m)	(m)	□ 1	□ 2	□ 3	□ 4
<input type="checkbox"/> LEAD 5	(m)	(m)	(m)	(m)	□ 1	□ 2	□ 3	□ 4
<input type="checkbox"/> LEAD 6	(m)	(m)	(m)	(m)	□ 1	□ 2	□ 3	□ 4
<input type="checkbox"/> Centre Cluster								
Quantity:								

C. CENTRE CLUSTER

Clear centre cluster for visual inspection of connection integrity



G4754-1/ACRYLIC

FREE TESTING & TAGGING

ALL NEW TRANSNET JUMPERS & EARTHS

Reduce, Reuse, Recycle

AS/NZ4702-2000 Cable Cover



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DOES YOUR CABLE COVER COMPLY?



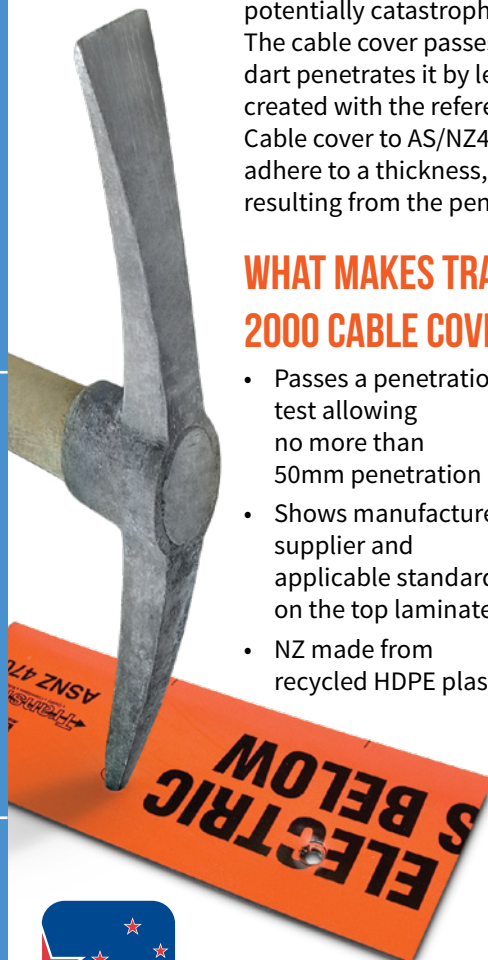
**DANGER ELECTRIC
CABLES BELOW**

Our AS/NZ4702-2000 cable cover is manufactured in New Zealand from recycled High Density Polyethylene (HDPE) and designed to protect the cables/pipes it is covering. Contaminant free post manufacture waste is collected and recycled by Astron Plastics right here in New Zealand.



AS/NZ4702-2000 PENETRATION TEST

One of the most important requirements of AS/NZ4702-2000 is that cable cover must pass a penetration test, where a specifically designed dart of known weight is dropped from a predetermined height through 125 joules of energy, representing potentially catastrophic damage to the cable cover. The cable cover passes the test only when the dart penetrates it by less than 50mm. Confusion is created with the reference to thickness of material. Cable cover to AS/NZ4702-2000 standard does not adhere to a thickness, it is determined by strength resulting from the penetration test.



WHAT MAKES TRANSNET AS/NZ4702-2000 CABLE COVER DIFFERENT

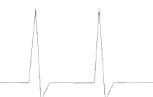
- Passes a penetration test allowing no more than 50mm penetration
- Shows manufacturer, supplier and applicable standard on the top laminate
- NZ made from recycled HDPE plastic
- No contaminants
- Thinner and lighter while consistently complying with AS/NZ 4702 standard strength requirements
- Custom widths available on request (MOQ & lead times apply)
- Retains mechanical strength characteristics even in extreme temperatures
- Every batch is tested throughout the manufacturing process to ensure it consistently complies
- Gas and Electricity specific product available



TransNet Cable Cover undergoing a penetration test



ASTRON
breathing new life into plastics



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