







# LV JUICE

# AS/NZS 4836:2011

# **ARE YOU COMPLIANT?**







www.transnet.co.nz

# **This Month**

WHILE STOCKS LAST

# WHITTAKERS CHOCOLATE BAR

When you spend over \$300 (excl GST) on one invoice this month

**IPC TECHNOLOGY** 

NEW ASBESTOS HANDLERS KIT

CHANNELL SHIELD LID COVERS

PAGE

PAGE 2

# **IPC TECHNOLOGY**



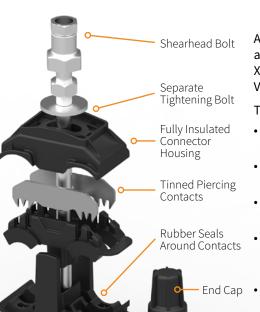
# INSULATION **PIERCING** TECHNOLOG\

IPC Technology, like other connector technologies, has a specific place where they shine above all others. IPCs use a number of small contact points at a high pressure to ensure an exceptionally good electrical connection.

Over the years, IPC technology has been developed and tested to ensure it can accommodate heat cycling, climatic ageing, electrical resistance, water resistance and dielectric resistance. The modern IPCs you'll find on networks throughout New Zealand and the world incorporate all these advancements as well as a range of added safety features.

#### **SAFETY FEATURES:**

- Safe to install on live circuits (when manufacturers guidelines are adhered
- Tightening bolt separate to piercing contacts remains permanently deenergised
- Cable doesn't need to be stripped, protecting workers from exposed live
- Fully insulated housing for worker safety



#### **PRODUCT FEATURES:**

- Shearhead bolts ensure correct connection pressure everytime
- Range taking capabilities reduce the inventory requirements
- Connectors accept both Al and Cu cable (unless specified)
- By not stripping the cable, contact teeth can make contact with cable before oxidisation takes place
- Completely seals around contact points for watertight connection
- All connectors come with contact grease

All our connectors are designed and tested to fit to majority types of cables made in accordance with the European Standard HD 626, regardless if cables are insulated with XLPE, PE or PVC. The products are tested according to national specifications such as NFC, VDE, BS, ESI and where possible in accordance to CENELEC EN 50483-4.

These standards include tests to verify reliable operation even in the harshest environments:

- designed for installation from -20°C up to +50°C,
- operation experience with temperatures ranging from -60°C up to +60°C,
- no limitation of mechanical loads for main & branch conductors,
- shear head forces are adapted to the required contact forces for each application (main, service, lightning),
- voltage withstand to 6kV in a 30cm waterbath,

- no change in contact resistance and temperature after overloads and load cycling,
- voltage withstand to 6kV after heavy weathering exposure (UV-light, humidity and temperature cycling),
- corrosion resistance of metal parts proven in salt fog chamber and wet SO<sub>2</sub> gas chamber.

#### BEFORE INSTALLATION



Connector easily positioned over cables, no loose parts can fall to ground. The correct position of the branch conductor can be felt inside the end cap.

# **DURING INSTALLATION**



### AFTER SHEAR HEAD BREAKING





## LV CONNECTIONS MADE EASY



## **APATOR FUSE SWITCH DISCONNECTS**

The Pro series of RBK switch disconnectors is designed for the distribution of electricity and protection of electrical equipment against short-circuits and overloads with industrial fuse links, and is suitable for installation in low voltage distribution boards, cable and metering cabinets.

## HIGH QUALITY MATERIALS

- Thermoplastic parts made of fibre glass strengthened polyamide with halogen-free flame retardant added and with the highest possible flammability class -V0
- Three pole main base with spring-loaded contacts designed for connection of circular or sector-shaped conductors
- Conductors with lug terminals or bars
- · Removable cover with fuse links
- Arc chutes with steel deionization plates over top contacts
- Silver plated contacts provide low power loss

## OPTIONAL 316 STAINLESS STEEL & GEOMET 321 COATED COMPONENTS

RBK disconnectors can come with **316 Stainless Steel** & **GEOMET® 321** coated components in place of the plated components, providing high corrosion resistance for coastal environments – ask us for more info.

### MOUNTING

On mounting plate

- RBK 00 Pro
- RBK 1 Pro
- RBK 2 Pro
- RBK 3

On double DIN rail

RBK 00 Pro







This range conforms to EN 60947-1, EN 60947-3, IEC 60947-1 and IEC 60947-3 standards.

## LV MULTI-PURPOSE CONNECTOR BLOCKS

XK2 connector blocks are designed for a wide variety of electrical systems. They are a perfect upgrade for busbars, traditional power distribution blocks and strip connections. The unique socket design provides customers safe and reliable installation.

## FEATURES

- Provides hundreds of input/output combinations with internal and external parallel connection methods, giving wiring professionals remarkable flexibility
- Low-cost and reliable contact point design
- Sizes available from 10mm<sup>2</sup>-300mm<sup>2</sup> in and 1mm<sup>2</sup>-50mm<sup>2</sup> out
- Can be mounted on TN 35 DIN rail or on base-plate
- Passed UL 94 V-0 flammability test
- IEC 60529 IP20 rated safety protection
- IEC standard colour code (blue, red, yellow, green, and yellow-green)
- Fit for IEC 60947-7-1

FIGHT BLOCKS



Cat No.	Voltage (V)	Amp Rating (A)	Input Cable Size	Output Cable Size & Quantity
TNXK235/10X4	690	125	10-35 mm <sup>2</sup>	4 X 2.5-10 mm <sup>2</sup>
TNXK235/4X9	690	125	10-35 mm <sup>2</sup>	9 X 1-4 mm <sup>2</sup>
TNXK250/10X6	690	150	16-50 mm <sup>2</sup>	6 X 2.5-10 mm <sup>2</sup>
TNXK270/10X8	690	192	25-70 mm <sup>2</sup>	8 X 2.5-10 mm <sup>2</sup>
TNXK270/16X6	690	192	25-70 mm <sup>2</sup>	6 X 4-16 mm <sup>2</sup>
TNXK295/25X4	690	232	25-95 mm <sup>2</sup>	4 X 6-25 mm <sup>2</sup>
TNXK2120/16X8	690	309	35-120 mm <sup>2</sup>	8 X 4-16 mm <sup>2</sup>
TNXK2185/35X8	690	353	70-185 mm <sup>2</sup>	8 X 10-35 mm <sup>2</sup>

# **QUALITY ESSENTIALS FROM TE CONNECTIVITY**



**ELECTRICAL** 

When you need secure insulation, choose Supergrip

**TERMINAL** 

KIT





• Electro tinned Copper to minimise corrosion

 Serrated barrel provides secure mechanical and electrical connection

 Suitable for terminal blocks







- 1405 mixed supergrip terminals for 240V/415V applications
- Tough metal carry case
- Quality ratchet crimping tool (#102/1)

Cat No.	Description	Quantity
H2594A	6.3MM QC RECEPTACLE RED	50
H2595A	6.3MM QC RECEPTACLE BLUE	100
H2596A	6.3MM QC RECEPTACLE YELLOW	50
H2844	6.3MM QC TAB RED	50
H2845	6.3MM QC TAB BLUE	100
H2848A	6.3MM QC PIGGY BACK ADAPTOR	50
H3560	6.3MM QC RECEPTACLE RED	50
H3561	6.3MM QC RECEPTACLE BLUE	50
H3562	6.3MM QC RECEPTACLE YELLOW	40
H3563	4.8MM QC RECEPTACLE RED	50
H3910	WINDOW CRIMP LINK RED	50
H3911	WINDOW CRIMP LINK BLUE	50
H3912	WINDOW CRIMP LINK YELLOW	25
H4213	4.3MM SUPERGRIP RING TERMINAL RED	100
H4215	5.3MM SUPERGRIP RING TERMINAL RED	100
H4218	6.4MM SUPERGRIP RING TERMINAL RED	80
H4223	4.3MM SUPERGRIP RING TERMINAL BLUE	100
H4225	5.3MM SUPERGRIP RING TERMINAL BLUE	70
H4234	6.4MM SUPERGRIP RING TERMINAL YELLOW	40
H4523	4.3MM SUPERGRIP FORK TERMINAL BLUE	100
H4514	4.0MM SPADE CONNECTOR	100
#102	CRIMPING TOOL	1

This flame retardant PVC Electrical Tape consists of a plasticised Polyvinyl Chloride film backing, coated on one side with aggressive Rubber-Resin adhesive with good ageing characteristics giving it excellent elasticity and adhesion properties.

Highly conformable and unaffected by moisture and most chemicals, this tape showed no flagging or deterioration even under temperatures as high as 80°C. Can be used for basic insulation, harnessing and general wire wrapping.



#### **TECHNICAL DATA**

- Nominal Dimensions 0.18mm x 18mm x 20m
- Tape backing PVC
- Adhesive Rubber-Resin Adhesive
- Thickness 0.18mm
- Adhesion >0.45kg/25mm
- Tensile strength >7kg/25mm
- Elongation >100%
- Breakdown Voltage >7kV

Cat No.	Colour
ITBK/10	BLACK
ITBL/10	BLUE
ITWH/10	WHITE
ITRD/10	RED
ITY/10	YELLOW
ITG/10	GREEN
ITRP	RAINBOW
ITGY/10	GREEN/YELLOW



# INSULATION

**TAPE** 







# MAINS ENTRY SOLUTIONS





1, 2 & 3 PHASE

**TNMEB FEATURES** 

gland in gland plate

on connector body Electrical test points and test point caps built into connector bolt for ease of

Insulated bimetallic

connectors will terminate

AL/CU cables, 4mm<sup>2</sup>-35mm<sup>2</sup>

testing

range

Main cable supported by

Gland plate perfect fit for conduit gland too

Strip length clearly outlined



Won't shatter



Perfect connection every time



No bare parts





Captive Stainless Steel cover screw



Make off connectors outside enclosure











# **USE WITH**

# **HOUSE HOOK**



Galvanised Steel threaded hook, used as an anchor point for securing LV shackle insulators. Simple to install and remove. 175X12mm C/W, 25mm diameter hook I.D

CAT NO. HOUSEHOOK

# CAT NO. 0-708046-3 Cable Size (AS3560): 9-17mm O.D.

CAT NO. 0-708018-1 Cable Size (AS3560): 18-25mm O.D.

## STRAIN CLAMPS

These LV strain clamps for neutral screen have wedge technology so the more the cable is pulled, the tighter the grip becomes. These clamps grip one cable from 9-25mm OD.

> Cable Type: Neutral screen Body: Glass Filled Nylon

> > Straps: Stainless Steel



## **TOOLS FOR ALL APPLICATIONS**



# **POST HOLE DIGGER FEATURES** · Heavy duty blades • 1.2m long wooden handles · 160mm spread Made in the USA Description Cat No. HERCULES POST HOLE DIGGER PHD **SPADE FEATURES** • Wooden D-handle Tapered blade design • 405x165x105mm blade, 710mm long Cat No. Description TUBULAR STEEL DRAINING SPADE DSPADE

# VARIOTQ 1000V VDE SCREWDRIVER SET



This VarioTQ 1000V VDE dynamometric screwdriver set features interchangeable blades, and includes a torque settable handle with a clear perceptible and audible signal when correct torque value is achieved.

## **FEATURES**

- Insulated replaceable blade made from molybdenum vanadium steel, hardened, blasted, with hexagonal shaft
- 1-6Nm torque range
- Kit supplied in robust nylon bag (with belt loop and hook and loop closure)
- Additional blade options on request



Cat No.	Description	Range (Nm)	Type
102708/PZ	1000V VDE SET – BLADES INCLUDE 2 × SLOTTED	1-6	

 $2 \times PZ$ ,  $2 \times SQ$ 

**Torque** 

## **NEW! ASBESTOS HANDLERS BASIC KIT**





This kit contains personal protective equipment suitable for exposure to small amounts of asbestos.

The kit incorporates an AlphaTec 1500 FR coverall, a highly breathable, flame retardant and anti-static SMMS polypropylene nonwoven designed for protection from particulates and light, non-flammable liquid spray or splash. This garment is anti-static, air and water vapour permeable ("breathable") to help reduce the risk of heat stress and is intended to be worn over the top of Garments which achieve existing minimum Arc Flash protection requirements.

### **RE-ORDER CODE: ASPHP-TN**











XII CONTENIS:

Cat No.	Description	Quantity
M15P-FR-2XL	ALPHATEC® 1500 PLUS COVERALL - 2XL	1
N95-DBV	N95 DUCK BILL MASK WITH VALVE	1
NTBL	BLACK DRAGON NITRILE GLOVES - SIZE: L (PAIR)	2
BCMP001	MICROPOROUS BOOT COVER - (PAIR)	1
1715C	CLEAR LENS SAFETY GLASSES - (PAIR)	1
PBA200	PRINTED ASBESTOS BAG 200MU, 900MMX1200MM	2
CABLETIE	CABLE TIES	2



# IT'S TIME TO PUT A LID ON IT

# Channell SHIELD Cover Sets



**TransNet New Zealand Ltd** 

#### **Auckland**

78 Cryers Road East Tamaki Auckland NEW ZEALAND Ph 0800 442 182 Fax 0800 442 183 PO Box 39 383 Howick, Auckland

#### Wellington

10 Petone Ave Petone Wellington NEW ZEALAND Ph 04 576 2530 Fax 04 576 0040 PO Box 39 383 Howick, Auckland

**NEW ZEALAND** 

sales@transnet.co.nz

### **TransNet Tonga**

#### Ma'ufanga

Ma'ufanga TONGA Ph +67 627 939 Fax +67 627 976 PO Box 2932 Nuku'alofa

TONGA

transnet@kalianet.to

SHIELD covers are designed to never break! They offer a lid weight reduction of 50% over concrete and polymer concrete, and over 70% when compared to cast iron. SHIELD's lighter weight design cover reduces craft injuries while improving health and safety specifications.

Consumers also benefit from SHIELD's patented anti-slip design and anti-trip features. SHIELD's cover tread design offers 20% greater slip resistance when compared to concrete, polymer concrete, steel or cast iron covers. SHIELD meets and exceeds Australia AS4586 skid specification, the highest global standard in the world!

### **FEATURES**

- EST™ (Endurance Stress Testing) 3 Million Cycles
- Designed to meet or exceed: 150kN = 15 tnf (Tons-force)
- Telecordia GR-902-CORE
- Western Underground Committee Guide 3.6
- ANSI/SCTE 77 2013-TIER 22
- EN124 Class B125





## SHIELD COVER SET STANDARDS

SHIELD cover sets comply to the following standards



SPECI	FICATION	LOAD CATEGORY	PERFORMANCE CATEGORY	APPLICATION (Installation / Location)	(kg)	Nominal Wheel Load (kg)	load	Test Load (kN)
AS/NZ	3996:2006	Class A	Light Duty Pedestrian Only	Non-vehicular traffic limited to pedestrians & cyclists. Areas closed to other traffic	670	335	6.7	10
AS/NZ	3996:2006	Class B	Medium Duty Non-Deliberate (Incidental) Traffic	Areas where vehicular traffic is limited to footways and light tractor paths or livestock	5,300	2,650	53	80

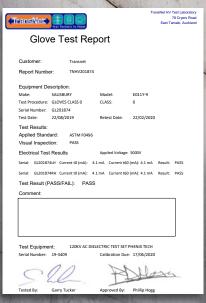
For more information please contact your local rep.



TransNet NZ Ltd has made every reasonable effort to ensure the accuracy of this information and it is to the best of our knowledge correct and reliable. Under no circumstances does this constitute an assurance of any particular quality or performance and users should independently evaluate the suitability of products for their desired application. All information in this publication including pricing, drawings, illustrations, images and graphic designs are reflections of our current understanding. TransNet NZ Ltd reserves the right to make any adjustment to this information at any time. Our liability for the products outlined in this publication is set forth in our standard terms and conditions of trade. In case of any potential ambiguities or questions, please contact us for clarification.









# AS/NZS 4836:2011

# SAFE WORKING ON OR NEAR LOW-VOLTAGE ELECTRICAL INSTALLATIONS & EQUIPMENT

**SECTION 9: PERSONAL PROTECTIVE EQUIPMENT** 

This Standard states the minimum requirements for Personal Protective Equipment (PPE) for working on or near Low Voltage Installations and Equipment. Not sure if this relates to you? Give us a call and we can advise you what PPE equipment you're required to have and whether yours is up to scratch.

## SOME PPE REQUIRES IN-SERVICE TESTING

GLOVES • MATS • BLANKETS • BOOTS

Are you interested in reduced lead times for testing? All your TransNet gear will be ready to go into service as soon as it's in your hands.

With the introduction of a new on-site HV test lab at our Auckland premises we're able to speed up the process of getting your TransNet equipment tested prior to delivery, or alternately to save you the trouble of sending it away to be tested afterwards. This in-house lab fully streamlines the process of purchasing TransNet products that require inspection and testing, allowing us to test items quickly and efficiently, ensure that they are fully compliant, and send them out directly to you to be put into immediate use.

Have a specific testing requirement? Talk to your local rep or contact customer services today to find out what we can do for you.

TRANSNET OFFERS FREE TESTING OF NEW PRODUCTS

# IF YOU REQUIRE INSULATING GLOVES

- Pure latex gloves manufactured under ISO 9001 & ISO 14001
- · Certified to EN 60903
- · Also available in ASTM D120
- · Excellent strength & durability

Class Colour	Max Use* Voltage AC/DC	Illustrative Labelling
00 BEIGE	500/750	ANSI ASTM D120 EN60903 MAX USE 500 V AC TYPE 1 10 CLASS 00
0 RED	1,000/1,500	ANSI ASTM D120 EN60903 MAX USE 1,000 V AC TYPE 1 10 CLASS 0
1 WHITE	7,500/11,250	ANSI ASTM D120 EN60903 MAX USE 7,500 V AC TYPE 1 10 CLASS 1
2 YELLOW	17,000/25,500	ANSI ASTM D120 EN60903 MAX USE 17,000 V AC TYPE 1 10 CLASS 2
3 GREEN	26,500/39,750	ANSI ASTM D120 EN60903 MAX USE 26,500 V AC TYPE 1 10 CLASS 3
4 ORANGE	36,000/ 54,000	ANSI ASTM D120 EN60903 MAX USE 36,000 V AC TYPE 1 10 CLASS 4

Insulating Gloves and Sleeves must have a colour coded label to meet appropriate ASTM Specifications.

 $^\star \text{Max}$  Usage Voltage when worn with leather protectors

# WE SUPPLY MARIGOLD

- Outer protector gloves custom designed to perfectly complement the Marigold rubber insulating glove
- Manufactured without the use of solvents & hazardous chemicals utilising a proprietary aqueous dipping process
- Acid resistant
- Ozone resistant
- · Low temperature resistant
- Comprehensive range of classes, colours, lengths & sizes, including half sizes
- Various cuff styles available including straight, contour & bell
  - Arc Flash certified



# IF YOU REQUIRE

# **EYE PROTECTION**

- AS/NZS 1337.1:2010 standards certified
- · Anti-fog / Anti-scratch coated on

E4004

Cat No.

Dotti sides		
Cat No.	Description	Lens
E4000		CLEAR
E4002	XSPEX SAFETY SPEC	SMOKE
E4004		BRONZE

· Stylish wrap-around design with TPR side arm grip-pads, soft tips for superior comfort and a non-slip fit

# IF YOU REQUIRE **FOOTWEAR**

- Meets re
- · Wide and Extra-wide fit options minimise excess toe space trip hazard and eliminate rub-zones
- Nitrile rubber outsole offers extreme

	100	100 × 100	
equirem	ents of A	S/NZS 2210	.1
		14	

XTZ-100	ZIP LACE UP SAFETY BOOTS BLACK	STANDARD 4-14 EXTRA WIDE 8-11

# IF YOU REQUIRE **HEIGHT SAFETY**

Description

### **AIR CORE TOWER WORKER HARNESSES**

- · Certified to Australian and NZ Standards AS/NZS 1891.1 - 2007
- Corrosion-resistant and longer lasting aluminum hardware
- Easily adjustable waist, shoulder and leg straps to suit a wider range of physiques
- **Frontal Fall Arrest** Cat No. Sizes Attachment Loops M1020225 NON-METALLIC S-2XL M1020228 SOFT LOOP M-2XL

## IF YOU REQUIRE

# **FLAME RESISTANT**

- · Flame resistant
- · Optimized for medium Arc Flash risks
- · Cat II protection

Cat No.	Description	Sizes
13-4HFR	FLAME RESISTANT ARC FLASH GLOVES	XS-2XL

**WE SUPPLY** 

protection up to 300°C

Size

· NZ Tasman Pro-Tec water resistant leather upper



- · Quick-connect leg and chest buckles for easy donning
- · Aluminum rear fall arrest d-ring with fall indicator
- · Work positioning side d-rings for working with pole straps

### · Arc Flash ASTM F2675, ATPV = 30 cal/cm<sup>2</sup> palm, 5.8 Cal/cm<sup>2</sup> back of hand



# AS/NZS 4836:2011 COMPLIANT SAFETY PRODUCTS



# **PROTECTIVE CLOTHING**



· Inherently Flame Retardant, Antistatic and Arc Flash Protection



- · All finishes Bartacked
- Twin Stitch FR Reflective Tape
- 2 large pockets with velcro closures

AA2150VERALL

Cat No.

AA215JACKET

AA215PANT

ARC ARMOUR TTMC-W17 ARC RATED OVERALL ORANGE/NAVY ARC ARMOUR TTMC-W17 ARC RATED JACKET

ARC ARMOUR CARGO PANTS NAVY

Description

4-15



# **IF YOU REQUIRE**

# **PROTECTION**

#### E-MAXX33 CLASS 5 FOLDING EARMUFFS

- 33dB Class 5
- · Hearing protection for noise levels
- AS/NZS 1270:2002 Certified

# **VORTEX &**

**WE SUPPLY** 

### **VORTEX EARPLUGS**

- up to 120 dB

## • SLC80 26dB—protection for noise

- levels to 110 dB(A)
- PU foam Class 5 AS/NZS 1270 certified
- · Fluoro orange for high visibility

#### Cat No. Description E-MAX33 **CLASS 5 FOLDING EARMUFF VORTEX EARPLUGS ORANGE UNCORDED 200PK** DE200-OU DE100-OC **VORTEX EARPLUGS ORANGE CORDED 100PK**



## IF YOU REQUIRE

# **SAFETY HELMETS**

- Modular AS/NZS 1801:1997 tested safety helmet system
- · High performance ABS shell
- Tested down to -40°C

# **WE SUPPLY**

- Available in a range of colours
- Tested to the performance requirements of AS/NZS 1801:1997

Cat No.	Description	
NCV	NEXUS CORE VENTED	
NCHV	NEXUS HEIGHTMASTER VENTED	
NCSNV	NEXUS SECUREPLUS NON-VENTED	



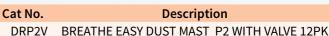
## IF YOU REQUIRE

# RESPIRATORY **PROTECTION**

- AS/NZS1715 & AS/NZS1716 compliant
- P2 rating for protection against mechanically and thermally generated particles

# **WE SUPPLY**

- AIR8™ exhalation valve for easier airflow · Dual straps give firm
- and comfortable fit





## IF YOU REQUIRE

# ARC FLASH PROTECTION

# 40 CAL PREMIUM JACKET & BIB OVERALLS KITS

- 40 cal/cm<sup>2</sup> ATPV Rating
- Approximately 60% lighter fabric weight than standard 40 calorie garment
- 2 layers 5 oz/yd<sup>2</sup> & 6 oz/yd<sup>2</sup>- Sewn with Nomex<sup>®</sup> thread
- 32" long jacket, 32" inseam overalls
- Lightweight 40 Cal hood
- Standard or lift front clear hood options
- Meets current ASTM F1506 and NFPA 70E standards
- Available in sizes S to 3XL

# WE SUPPLY

# **OEL**

#### 12 CAL CLEAR FACE SHIELD KIT

- 12 cal/cm<sup>2</sup> Light Tint Visor
- Light tint lens gives improved clarity of work environment
- Resistant to fogging



Cat No.	Description	
AFW40-NFJB	40 CAL PREMIUM JACKET & BIB OVERALLS KIT WITH SWITCHGEAR HOOD	
AFW40LF-NFJB	40 CAL PREMIUM JACKET & BIB OVERALLS KIT WITH LIFT FRONT HOOD, CLEAR	
AFW040-CLEAR	12 CAL CLEAR FACE SHIELD WITH HARD HAT, VISOR, BAG, SAFETY GLASSES & BALACLAVA	



# Have you got your copy of the TransNet Safety Catalogue?

To view our complete range of safety products and ensure your gear is AS/NZS 4836:2011 compliant please contact your local rep for a copy or view online at www.transnet.co.nz/catalogues



# YES, I REQUIRE NEW AS/NZS 4836:2011

# For more info on our Safety range and to place an order:

Ph: 0800 442 182 Fax: 0800 442 183 Email: sales@transnet.co.nz Web: www.transnet.co.nz



SALES@TRANSNET.CO.NZ | 09 274 3340