



Chains & Sprockets

To keep your industry moving

SUPPLY SERVICES
performance engineering products



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performance engineering products

Chains & Sprockets

Keeping NZ industry moving since 1980

New Zealand's largest selection of conveyor chains, roller chains, sprockets and associated accessories for drives and material handling equipment from our international array of premium manufacturers. Off the shelf or made to order, we have the chain to ensure you keep moving.

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Roller Chains

An extensive line-up of roller chains to suit specific industries and a multitude of applications. From agriculture to sawmills, clean-room to salt water environments, we have the roller chain to keep your business moving. Simplex, duplex, triplex, plus sprockets and accessories.

British Standard (BS) Roller Chains

CAN-AM SBR BS roller chain has proven itself to be a superior performer in applications involving high impact, abrasive contaminants and long duty cycles.

PITCH SIZES:
1/4" to 3"



American Standard (ANSI) Roller Chains

CAN-AM SBR ANSI roller chains. Precision manufactured to exceed ANSI B29.1 standards and designed to last longer than other manufacturers chain.

PITCH SIZES:
1/4" to 3"



ANSI & BS Straight Sidebar Chains

Straight sidebar chains are identical to the standard chains except for the straight side plates. These provide conveyor capabilities and higher fatigue resistance.

PITCH SIZES:
3/8" to 3"



Sharp Top Chains

Sharp top chains are used for positive grip and quick acceleration of product. Commonly used in the sawmill environment. Many types of profiles exist in both ANSI and BS standards.

PITCH SIZES:
3/4" to 2"



ANSI Double Pitch Chains

Double pitch chains are an economical alternative to standard chain but require specific sprockets. They are available in Drive Series, Conveyor Series and Carrier Roller style.

PITCH SIZES:
1" to 4"



Hollow Pin Chains

The unique hollow pin feature provides unlimited conveyor versatility, allowing easy insertion of cross rods or attachments to the chain at the desired spacing.

PITCH SIZES:
1/2" to 2"



Leaf Chains

Leaf chains are well suited for any application requiring flexible, high strength linkages for reciprocating motion or lift at relatively low speeds. Available in AL, BL and LL series.

PITCH SIZES:
1/2" to 2 1/2"



Side Bow Chains

Side bow chains provide extra clearance between pins, bushings and link plates to allow freedom of operation around a curve or a twist.

PITCH SIZES:
1/2" to 1 1/2"



Roller Chains CONT.

Self Lube Chains

Self lube chains feature a unique sintered bush design that comes pre-loaded with lubricant. They are especially useful when oil cannot be used in the environment.

PITCH SIZES:
1/2" to 2"



Agricultural Chains

Agricultural chains are available in S, A and CA styles and are normally wider than standard roller chains. They are available either in the standard black finish or zinc plated for better protection from the elements.

PITCH SIZES:
29.2mm to 66.2mm



Aqua Proof Chains

Aqua proof chains have a clear corrosion resistant coating. Chain strength is the same as non-SS roller chain. It is particularly good around brine and damp environments. However it is not suitable where the chain may come into contact with food.

PITCH SIZES:
1/2" to 2"



Stainless Steel (SS) Chains

304SS for medium strength, medium corrosion resistance. 316SS for low strength, high corrosion resistance. 600SS for high strength, low corrosion resistance.

PITCH SIZES:
5/16" to 1"



Nickel Plated Chains

Nickel plated chain is ideal for outdoor operations where the chain might run in a lightly corrosive atmosphere or where a good chain appearance is required.

PITCH SIZES:
3/8" to 1 1/4"



ANSI Double Capacity Chains

Double capacity chains are a compact design for heavy duty, low speed applications. Their design is based on the same ultimate tensile strength as a double strand chain.

PITCH SIZES:
1" to 4"



Roller Chain Accessories

Connector Links & Pins

A large stock of CAN-AM roller chain accessories is available to suit ANSI & BS simplex, duplex & triplex roller chains, with larger sizes on request. Connecting links in spring or cotter pin type, complete roller links, single or two-pitch offset links. Available in carbon steel, zinc plated or self-lubricating variants.

PITCH SIZES:
Various



Roller Chain Attachments

Industry standard & special type roller chain attachments are stocked. Attachments to suit ANSI/BS & Double Pitch roller chains. As the range is wide, please contact us to discuss your application requirements. Non-standard attachments can be manufactured in-house to suit.

STYLES:
Various



Conveyor Chains

Supply Services Limited stocks the most comprehensive range of standard conveyor chains and industry specific conveyor chains in New Zealand. A full range of attachments, sprockets and accessories are available. These can be customised to meet your requirements.

Cast H&C Chains

These chains come in either cranked linked style (H Class) or straight side bar style (C Class). Both are normally cast in malleable iron, alloy steel or manganese steel. The C Class chains have carbon steel outer side bars which allow welding of attachments. Some common examples are H78, H82, C55, C188, C131, C102B and the rooftop series H78A, H78B, H130, H138, C55A, C55B, C55D.

PITCH SIZES:
1.630" to 8.000"



Drop Forged Chains

Also known as En-Masse chains these versatile and simple chains are high strength and wear resistant. They are capable of conveying a multitude of products on inclines up to vertical and at temperatures of up to 1000 °C (depending on the chain alloy selected). The conveyor design can be totally enclosed and is very compact. Available pitches are 102mm, 142mm and 260mm.

PITCH SIZES:
102, 142, 260mm



Steel Pintle Chains

These open barrel chains were originally developed for the agricultural industry. Generally, they are used in applications such as spreaders, feeder systems and spray boxes where sticky substances would otherwise seize a closed barrel type chain. Common chains are 667X, 667K, and 88K.

PITCH SIZES:
1.664" to 2.609"



Sewerage Treatment Chains

Various chains are used in this industry where they may either be steel or plastic. The plastic chains are becoming more common due to their resistance to corrosion, light weight and ease of installation. For example, PC720S (6.000" pitch) or PC78 (2.609" pitch) chains. Their metal counterparts being WR720S and WR78.

PITCH SIZES:
2.609" to 6.050"



Conveyor Chains CONT.

Long Link Chains

Long link chains in imperial & metric configurations available in a range of pitch sizes. Round, oval & square link to suit different applications. Available in alloy steels, manganese, with through or case hardened options. High hardness, reduced elongation, resistant to shock loading.

PITCH SIZES:
Various



Rivetless Chains

Rivetless chain is drop forged from carbon steel, normalised, heat treated and quenched. This very simple chain design allows for tool free assembly or disassembly at any pitch in the chain. The standard chain allows for general applications, whereas the X-Series is specifically designed for overhead trolley conveyors.

PITCH SIZES:
3, 4, 6 & 9"



Metric Conveyor Chains

European metric chains are made according to 3 different styles DIN8167, DIN 8165 and SMS 1698. They are multi-purpose straight side bar conveyor chains useful for a multitude of applications. Pitches vary from 40mm to 500mm and ultimate tensile strengths from 40kN to 900kN.

PITCH SIZES:
40mm to 500mm



Double Flex Chain

Double flex chains are bi-planer in nature and are designed to flex in two directions. They usually run around a horizontal radius and then return under the conveyor. Typical applications would be bottling conveyors, log turning and taking lumber around a bend. Common chains are malleable CC600 and DF3500.



BS Roller Conveyor Chains

BS roller conveyor chains generally to BS4116.Pt4.1992 are multi-purpose straight side bar conveyor chains useful for a multitude of applications. Pitches vary from 50.8mm (2") to 381mm (15") and ultimate tensile strengths from 26.7kN (6,000lb) to 750kN (170,000lb). Pins can be solid or hollow and the rollers can be either plain or flanged style. Many types of attachments can be fitted either as integral links or welded on. Connecting links are available as riveted, screwed, circlip and cotter pin.



Conveyor Chain Accessories

Conveyor Chain Attachments

Standard industry attachments are available but we excel in complicated attachment designs that require site visits, computer aided design & drawing sign-off. This is backed up by our professional fabrication, welding & fitment services. Due to our industry experience & knowledge, our custom-made attachments can substantially increase the chain service life.

INDUSTRIES:
Various



Connector Links & Rivets

We carry a large stock holding of the most common chain accessories such as rivets, pins, connecting links & other associated items. Our range encompasses heat treated & induction hardened parts & items made from non-standard materials. We also supply components direct from our manufacturers to fulfill the requirements of some of our largest & most complex chain customers.

CHAIN TYPES:
All



CAD

We can manipulate your CAD models and drawings or create them for you from your parts or sketches. If required, we can design your parts from scratch.

Our CAD engineers are able to design complex parts and assemblies from our range of engineering materials that are in use across all industry sectors. They even design sprockets and bottling line change parts.

Conventional & CNC machining

Our three machining shops located across New Zealand is where the magic happens.

As well as conventional turning and milling capabilities, we have skilled CNC operators who can turn your material or idea into components. Our machine shops can make finished parts from any of our engineering materials or composites.

Full Service Start to finish, nationwide.

All three of our nationwide branches offer CAD design, manual and CNC machining services; all are fully stocked with engineering plastics, chains, sprockets and associated parts. No matter where you are in the country, we have the people and the know-how to help you out.

SUPPLY SERVICES performance engineering products

Cut to size plastics

Plastic rods, tubes, sheets and films — we have every size, grade and type of engineering plastic available from leading global manufacturers. We can provide off-the-shelf or manufactured parts to your specifications.

We also stock a comprehensive range of specialist OEM plastic products for the wood processing industry. No matter where you are in New Zealand, we're right there with you.

Reverse engineering

Give us your part and we'll recreate it, even if its broken or worn out.

We've invested heavily in technology and training to help our customers replace old parts with new ones. We can hard probe or use contactless 3D laser scanning techniques to digitise your component and reverse engineer it, and then in the machine shop make the parts.

Welding, Assembly & Fabrication

We work across all industry sectors manufacturing high quality parts, fabricating and assembling them at our site to reduce interruption to your production.

Inventory & Warehousing

Do you need a regular supply of components but have nowhere to store them?

We can manufacture your parts, stock them in our secure warehousing facilities and dispatch when you need them, charging you as you go.

Our end-to-end procurement, storage and installation service eases cashflow and ensures your parts are on hand when you need them.

Wood Processing Chains

Considered the experts in wood processing conveyor chains for sawmills, pulp and paper, OSB and dry board manufacturers; Supply Services stock a huge range of quality conveyor chains from leading manufacturers. A full range of attachments, sprockets and accessories are available.

Welded Steel Mill Chains

Welded steel mill chains provide an economical and superior method for conveying most materials. They are most common in the lumber, pulp & paper, plywood, OSB and other board mills. Other applications include bucket elevators and bulk material handling. Various through and induction hardening options allow you to tailor the chain to the application.

PITCH SIZES:
2.609" to 6.125"



Welded Steel Drag Chains

Welded steel drag chains provide efficient and economical service when used in chip and waste conveyors. Various through and induction hardening options allow you to tailor the chain to the application. Super Hog thick wall barrel and Whole Hog round barrel chains are available for heavy duty applications such as chip reclaimers and debarker infeeds.

PITCH SIZES:
5" to 8"



Welded Steel Chain Attachments

The scope of attachments available for these chains is only limited by your imagination. The excellent field weldability of these chains make it easy to fabricate a multitude of robust attachments, providing good design and welding principles are followed. Some options are rooftops, log cradles, pusher lugs, roller lugs, side lift log chairs, slashers etc.

PITCH SIZES:
All



81X Trimmer Chains

2.609" pitch 81X trimmer chain is used extensively on sawmill trim lines. It is a versatile, economical and light weight chain that can run at relatively high speeds. It is also available as heavy duty 81XH and double heavy duty 81XHH. All 3 chains use the same diameter pin. This chain is also available in 304SS and 316SS for dip tank and other corrosive environments.

PITCH SIZES:
2.609"



Roof Top Chains

Rooftop chains are available in a variety of sizes and shapes. Chain caps are available made from steel, rubber and plastic or with rollers for the lowest friction coefficient. 81X-A, 81X-R, 81X-UP, WR78-UP, WR78-URT, WR78-4URT, WR78-RTN, WR124-URT, H78A, H78B, H130, H138.

PITCH SIZES:
1.63" to 4.063"



Refuse Flight Chains

These chains are used for long sprocket centre distance conveying of refuse products in non-abrasive environments such as sawdust and woodchip conveyors. The chain is fitted with 100mm square low friction UHMWPE covered attachments to move the product.

CHAIN FLIGHTS:
Lined box sections



Bin Sorter Chains

Bin sorter chains are used to conveyor the scanned boards to the appropriate graded bin. Typical chains with polyurethane J-hooks are ANSI 3939 (8" pitch) and 9" pitch, 15,000lb BS roller conveyor chain. Drop sorters typically use ANSI C2100H chain.



Wood Processing Chains CONT.

De-Barker Chains

De-barker chains fall into 3 categories: (1) Flail chain, ring chain for mobile chippers. (2) Cast chain, for various machines in alloy or manganese steel c/w through hardened 4140 pins. (3) Twin strand, welded steel chain c/w hardened steel cradles.



Sharp Chains

6" pitch block and bar sharp chains are heavy duty chains used for accurate high volume primary breakdown of logs through the bandsaws. These chains are precision made and run on special plastic beds and purpose designed hardened sprockets.



Double Length Infeed & Auto-Rotation Conveyors

These chains are heavy duty cranked link roller chains with precision located log cradle attachments. They are used for the scanning and optimisation of logs before the bandsaws.



Bottling & Packaging Chains

There is a vast array of Bottling & Packaging chains available in both stainless steel and injection moulded plastics. Also complementing these products are plastic sprockets, idlers, guide rails, wear strips and mounting components. Custom machined components are also possible.

Stainless Steel Flat Top Chains

Stainless steel chains can be either magnetic or non-magnetic. Common sizes are: 803, 815, 820, 821, 828, 831, 881, 915, 2815, 8257, 9157.



Plastic Flat Top Chains

Plastic chains are normally made from Acetal POM-C. Common sizes are: 803, 815, 820, 821, 828, 831, 881, 915, 2815, 8257, 9157



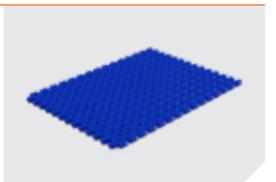
Multi-Flex Chains

Plastic chains are normally made from Acetal POM-C. Common sizes are: CC600, 1700, 1701, 1702, 1710.



Plastic Modular Belts

Plastic modular belts can be either Polypropylene (PP) or Polyethylene (PE).



Specialty Wear Plates

A range of specialty wear plate materials designed to reduce maintenance costs and increase service life. Available in high performance metals or engineering plastics. Contact us to discuss your requirements as there is a wide range of industry specific applications these materials can be utilised for.

UHMW-PE Premium

Polyslick™ XL is the superlative abrasion resistant grade of Ultra High Molecular Weight Polyethylene (UHMW-PE). XL grade is further enhanced with either silicone (XLS) for release and slip, or with glass (GXL) for unparalleled wear resistance. POLYSLICK™ XL grades are UV stabilised and have reduced thermal expansion.

COLOUR: **Orange & Grey** SPECS: **Polyslick™ XL** LONG TERM SERVICE TEMP: **90°C**



Hardox® 400 Wear Plate

Hardox® wear plate cuts down on weight and extends the service life of steel structures in comparison with regular steel. The extreme wear resistance has always been key to the success of Hardox® wear plate. Today it is harder and tougher than ever, and able to withstand heavy impact without permanent deformation or cracking.

THICKNESS: **4.0 – 130mm**



ARMOUR-X® Wear Plate

ARMOUR-X® wear plate reduces costs by extending wear life and reducing installation frequency. The superior abrasion resistance of ARMOUR-X® is achieved through 21st century alloy steel technology. The result is a formable, weldable wear plate in the 450BHN range that offers abrasion resistance almost twice that of conventional 500BHN grades.

THICKNESS: **6mm to 25mm**



Feed Roll Replacement Tips

Our feed roll replacement tips are manufactured from a high quality hard chrome alloy that exhibits excellent wear resistance qualities and are designed for use on de-barker feed rolls, log turner rolls and log haul chain attachments. The tips are available in seven different sizes, including a log saver style to reduce severe piercing or penetration.



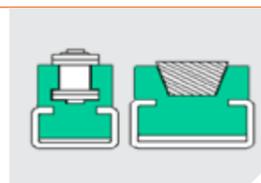
Engineered Plastic Parts

Off-the-shelf profiles, wear strips and guide rails for numerous applications in various shapes and sizes. Backed up by our comprehensive range of engineering plastic materials, material selection service, CAD design and CNC machining means we can manufacture any profile or component you can think of.

Guide Rails & Wear Strips

A wide selection of UHMW-PE | UHMWPE profiles are available for the bottling and packaging industries. Stainless steel inserts are available that allow the profile to be welded into place. Others can be riveted or screwed down. Contact our team.

PROFILES: **Numerous**



Chanex® Chain Guides & Profiles

Chanex® chain track guides & profiles are available for a wide variety of chain sizes. Enables low cost conveyor construction. Standard or custom profiles.

LENGTHS: **10ft & 20ft sections**



Engineered Plastic Parts CONT.

Machined & Fabricated Parts

We manufacture a wide variety of custom parts from steel or engineering plastics for our customers. Nationwide CAD design and CNC machining services. Contact us to discuss your requirements.



Rod, Tube & Sheet

Comprehensive stock holding of quality engineering plastic stock shapes in a large range of materials such as: Polyurethane, LDPE, HDPE, HMWPE, UHMWPE, Polypropylene, Nylon (natural, oil filled & MoS2 filled), Acetal, PET, Acrylic, Polycarbonate, PVC, PTFE, PEEK, PSU, PBI, PAI, PI and composites and more.



Chanex® Oregon Bends

Oregon bends formed from UHMWPE Chanex profiles are excellent low cost alternatives to sprockets on the bottom of board singulators. Various sizes are available for 81X and WH78 chains.

WIDTHS: **2", 3", 3.5", 4" & 4.5"**



Bearings & Bushes

Industry leading composite bushing materials and harsh environment bearings suitable to a large range of New Zealand industries. Check our Engineering Plastics range for a full selection of materials that can also be used for bushings and bearings.

CAN-AM 2500 Series Bearings

CAN-AM seven-piece, heavy duty bearing assemblies reduce maintenance time. Replaceable bushing inserts available in four different materials.

SHAFT SIZES: **Metric & Imperial**



SN Bearing Inserts

Will fit SN511 to SN528 housings for shafts from 40mm to 100mm (metric & imperial). Durable polymer construction with grease grooves as standard feature. Split for quick & easy installation



ADCOMP® XPL Kiln Cart Bushes

ADCOMP® XPL extreme duty kiln cart bushes offer far greater temperature resistance and load ratings than traditional heat stabilised nylon bushes. By extending bearing life and eliminating greasing, ADCOMP® XPL bushes can substantially reduce operating costs in modern high temperature lumber drying kilns.



Tristar CJ & FCJ Bearings

Light weight, high strength, fatigue resistant CJ composites are the ideal bearing choice for non-lubricated, high load/low speed applications. CJ bearings provide excellent resistance to impact and shock loads and are capable of withstanding a high degree of shaft misalignment. CJ and FCJ bearings have fixed ID and OD's and just need to be pressed into a housing. Ask us for a CJ brochure.



ACM Tribotex™

The Tribotex™ range of materials is our most popular range and has applications in almost every environment when tailored with the correct lubricating additives. Advanced resin bonded, fibre reinforced bearing material combining engineering fabrics, thermosetting resins and solid lubricants. Available in the form of tube, sheet or fully machined parts.



Engineering Class Drive Chains

Manufactured in specially heat treated carbon alloy steels, engineering class cranked link drive chains can withstand breaking loads up to 1,400kN or more. They are used widely in the manufacturing and construction industries.

Chain No. 882

PITCH: **66.3mm**
 SIDE BAR H X T: **28.58/6.35mm**
 PIN DIA.: **11.1mm**
 UTS & WL: **89.2/10.7 kN**
 ROLLER DIA. X W: **22.23/26.98mm**



Chain No. 1190

PITCH: **79.1mm**
 SIDE BAR H X T: **44.45/9.54mm**
 PIN DIA.: **16.5mm**
 UTS & WL: **330/22.7 kN**
 ROLLER DIA. X W: **31.75/37.5mm**



Chain No. 1244

PITCH: **103.2mm**
 SIDE BAR H X T: **54.1/12.7mm**
 PIN DIA.: **22.25mm**
 UTS & WL: **499.4/40.1 kN**
 ROLLER DIA. X W: **44.45/47.75mm**



Chain No. 1245

PITCH: **103.45mm**
 SIDE BAR H X T: **60.3/14.3mm**
 PIN DIA.: **23.81mm**
 UTS & WL: **89.2/10.7 kN**
 ROLLER DIA. X W: **45.24/47.75mm**



Chain No. 1248

PITCH: **103.2mm**
 SIDE BAR H X T: **57.2/12.7mm**
 PIN DIA.: **22.25mm**
 UTS & WL: **624.3/40.1 kN**
 ROLLER DIA. X W: **44.45/47.75mm**



Chain No. 5027

PITCH: **66.3mm**
 SIDE BAR H X T: **88.9/15.9mm**
 PIN DIA.: **11.1mm**
 UTS & WL: **1156/75.1 kN**
 ROLLER DIA. X W: **63.5/69.4mm**



Sprockets & Chain Wheels

We stock, import, design & manufacture a large range of sprockets to service our entire range of chains from 3/8" to over 8.0" in pitch. Whatever your requirements, we either have it on the shelf ready to go or can manufacture and machine it to your exact requirements.

Roller Chain Sprockets

ANSI and BS precision roller chain sprockets can be supplied with teeth that are flame heat treated, case hardened, induction hardened or not hardened at all. The surface finish can be plain, painted, zinc plated or black passivated.

TOOTH COUNT:
5+ upwards



Conveyor Chain Sprockets

Most semi-precision conveyor chains only require sprockets that have a flame cut profile. Supply Services will generally cut the profile to carefully match the chain, attachments and application it is being used for. Common materials are mild steel, Hardox 400 abrasion resistant steel or induction hardened C1045.

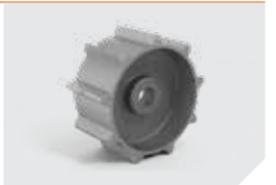
TOOTH COUNT:
5-25 or custom



Drag Chain Sprockets

Welded steel drag chain runs best on full width "drum" or "can" type sprockets. We stock drums and through hardened, full length, profiled teeth ready for sprocket manufacture. Full width teeth promote longer service life.

TOOTH COUNT:
6-13 or custom



2.609" Pitch Uni-Sprockets

For 2.609" pitch chains such as 81X, WH78, LXS882, C188 & H78 series chains, Supply Services Ltd has a range of induction hardened universal sprockets on the shelf for immediate dispatch.

TOOTH COUNT:
8-16



Plastic Bottling & Packaging Sprockets

We are able to supply or manufacture a range of plastic sprockets to suit a variety of flat top & multi-flex bottling & packaging chains.

MATERIALS:
Engineering Plastics



Whatever you're engineering, we can help.

Our customer support is only a phone call away -

0800 102 112



Engineering Services at a Glance

- Computer Aided Design (CAD)
- CNC turning (2 & 4 Axis)
- CNC milling (3 & 4 Axis)
- CNC routering (3 & 5 Axis)
- Conventional turning & milling
- CNC billet cutting
- Production keying
- Thickening
- Custom profiles
- Cut to size rod, tube & sheet
- Plastic fabrication
- Plastic & metal welding
- Magnetic particle inspection NDT
- Portable CMM inspection system

We've got you covered

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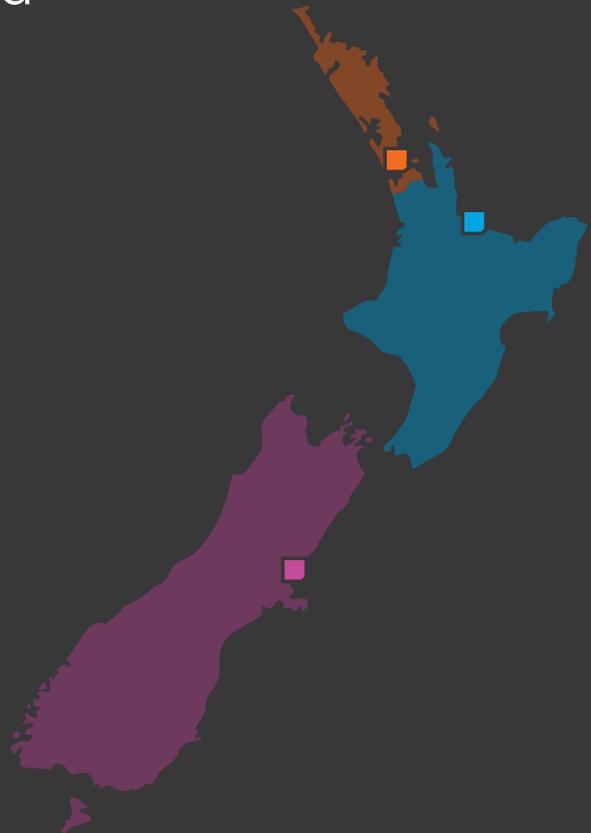
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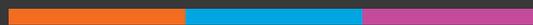
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