



Power Transmission Product Range

Naismith Engineering & Manufacturing Co P/L



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The Naismith Story

From humble beginnings in 1947, Naismith Engineering has grown to become a very important supplier to Australian and New Zealand industries.

The company has always concentrated on Industrial Power Transmission products, both as manufacturer and since 1961, also an importer.

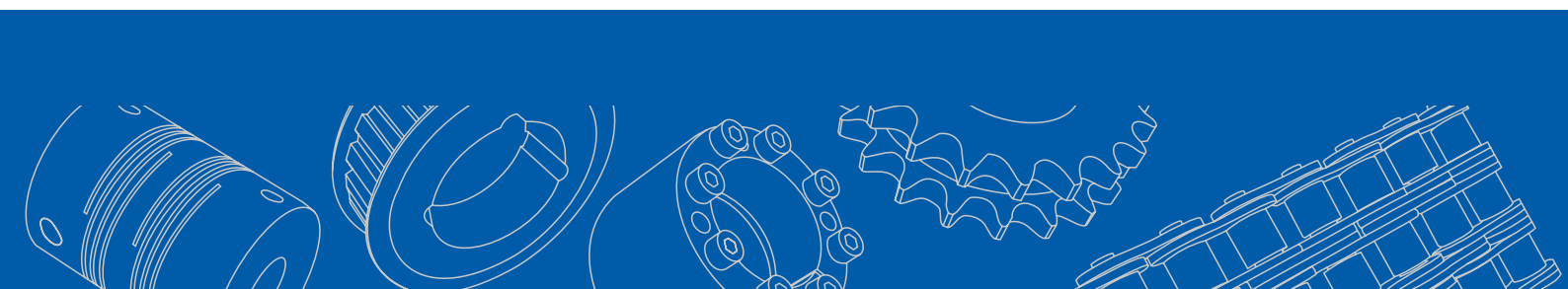
We import from 21 suppliers in 9 different countries. Quality has been our watchword, and the quality of products from our suppliers has always been checked, delivery by delivery. Regular factory inspections of our suppliers are also carried out by Naismith personnel.

With 15 people in Melbourne and 3 in Sydney, we are dedicated to supplying quality products through our 600 distributors in Australia, New Zealand and surrounding islands. Our staff is also trained to carry out drive design.

With nearly 2,000 square metres of warehouse, and 21,000 items of stock, our customers can usually be supplied on a same day basis with the products that they require. Registered customers can check our website for up to date stock levels and pricing.

If the product you require also requires machining prior to fitting on your machine, this can be promptly carried out in our own workshop. We also machine small quantity, made to order parts, to customer drawings.

Look to Naismith for your Industrial Power Transmission requirements.



Drive Line



Sprockets

We have a large range of sprockets on the shelf and if we don't have it, we can make it.

- British Standard B.S. up to 1.1/2"
- American Standard A.S.A. up to 2.1/2"
- Tooth range from 9 tooth up to 76 tooth
- Most sizes available in Pilot Bore & Taper Bore type
- Most sizes available in Plate Wheels, Simplex, Duplex & Triplex
- Specials available on request.



V-Pulleys

A large range of Cast Iron V- Pulleys is available.

- SPA section, up to 500mm, 5 groove
- SPB Section, up to 1250mm, 8 groove
- SPC Section, up to 1250mm, 8 groove
- SPZ Section, up to 355mm, 4 groove
- All pulleys are manufactured in Cast Iron and are Taper Bore type.
- Aluminium pulleys are available on request



Timing Pulleys

Naismith Engineering has one of the largest ranges of timing pulleys in Australia. We were the first company in Australia to manufacture Timing Pulleys and still manufacture pulleys to customer drawings today.

- Classical XL, L, H, XH, XXH
- HTD 3M, 5M, 8M & 14M
- GTR 8M & 14M (Polychain drop in replacement)
- Metric T2.5, T5, T10, T20, AT5, AT10, AT20

A large variety of materials available, Steel, Cast Iron and Aluminium



EK Chain is made in Japan.

We carry a full range of the following

- B.S. Standard simplex, duplex, triplex up to 32B-1 (2" pitch)
- ASA Standard simplex, duplex, triplex up to 200-1 (2 1/2 " pitch)
- Heavy Chains
- Conveyor Chains
- Hi*power Chains
- Side Bow Chains
- Stainless Steel Chains
- Nickel Plated Chains
- Hollow Pin Chains
- O-Ring Chains
- Sintered Bush Chain
- Leaf Chains



Optibelt - V-Belts

Naismith Engineering carry a full range of Optibelt V-Belts

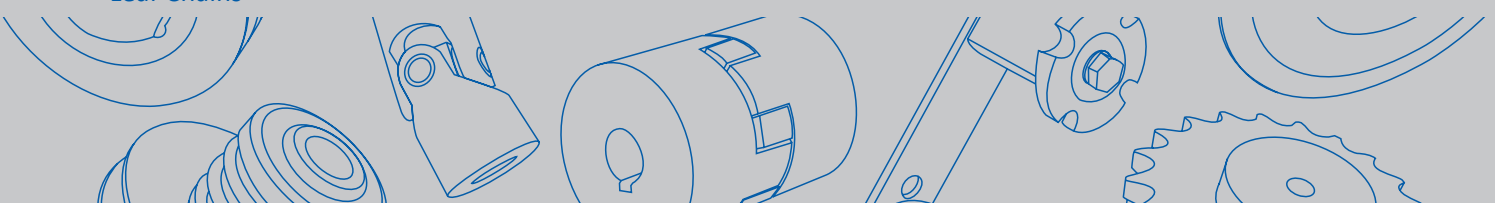
- A, B, C, D & Z Section V-Belts
- SPA, SPB, SPC, SPZ V-Belts
- Cogged/Notched Belts
- Kraft Band Belts
- Variable Speed Belts



Optibelt - Timing Belts

Naismith Engineering carry a full range of Optibelt Rubber and Urethane Timing Belts

- Classical Timing belts XL, L, H & XH
- HTD Timing belts 3M, 5M, 8M, 14M
- Metric Timing belts T2.5, T5, T10, AT5 & AT10



Flexible Couplings

Naismith Engineering has a large range of Mechanical Power Transmission Couplings. We represent some of the world's best known brands and they include the following.



Lovejoy

Since 1927 Lovejoy has been manufacturing quality couplings, including products such as

- Jaw
- Saga
- Spacer Jaw
- Steel Disc
- S-Flex
- Gear
- Mini Soft
- Grid
- Oldham
- Delta Flex



SIT SpA

Sit Manufacture a range of high quality couplings including

- Trasco Curved Jaw Couplings
- Zero Backlash Couplings
- Gear Couplings
- Juboflex Couplings
- Bolt Couplings



Utkur

Utkur has been manufacturing a large range of coupling in India for more than 30 years. They work to a high level of quality. Their coupling range includes.

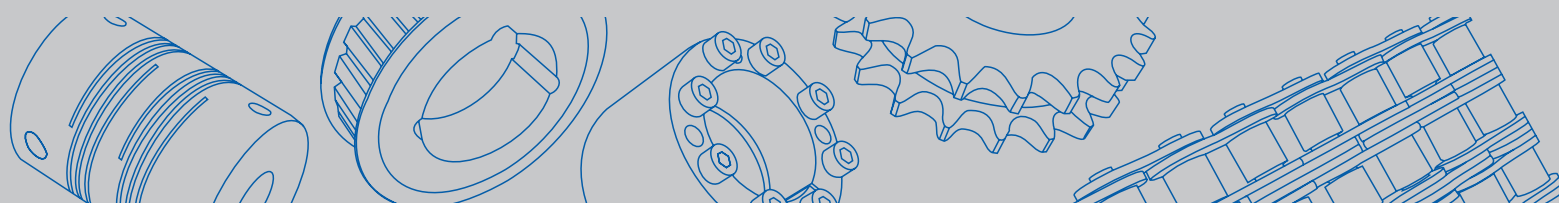
- Jaw Couplings
- Spacer Jaw Couplings
- Cone Ring Couplings
- Steel Disc Couplings
- Tyre Couplings
- HRC Couplings



Centa

Centa is based in Germany and have a large range of Rubber and Polyester couplings. Naismith Engineering stock their Industrial couplings

- A Type
- D Type
- B Type
- E Type
- H Type
- Centamax



Flexible Couplings



Ruland

Based in Boston USA, Ruland have a large range of small Zero Backlash couplings under 50mm in diameter including

- Beam
- Bellows
- Disc
- Oldham
- Jaw
- Rigid



Vulkan

A German based coupling manufacturer. Vulkan is well recognised in the Mining, Power Generation and Shipping Industries. With Rubber, Polyamide and all steel couplings Vulkan have the coupling to suit your needs.

- Flexomax G Couplings
- Flexomax GSN Couplings
- Flexomax GBN Couplings



Woo Chang

Woo Chang is a Korean based coupling manufacturer. They have been supplying the world market for many years. Their range includes

- Grid Couplings
- Gear Couplings



Zero-Max

For over 70 years Zero-Max has been manufacturing quality power transmission products. Their coupling range includes

- Composite Disc Coupling
- Schmidt Offset Coupling
- Torq-Tender Coupling
- Servo Flex Disc Coupling



Miki Pulley

Miki Pulley is a quality Power Transmission manufacturer and they manufacture a range of Couplings

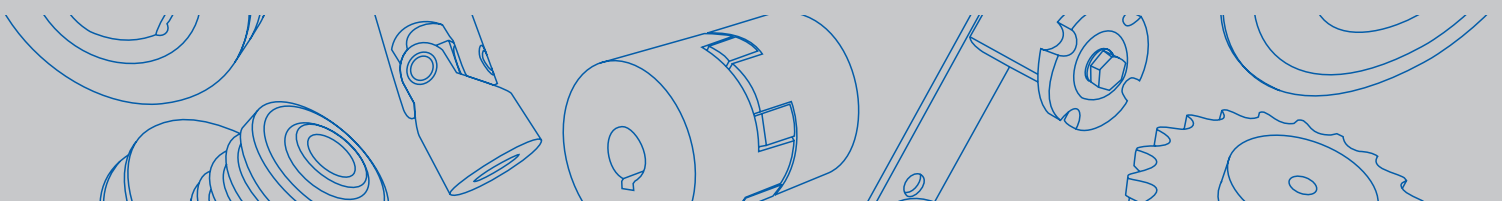
- Disc Couplings
- Beam Couplings



Miscellaneous Couplings

Naismith Engineering also carry a large range of other styles of couplings including

- Spring Couplings
- HRC Couplings
- Tyre Couplings
- OMT Couplings
- Chain Couplings
- Magnaloy Couplings
- Rigid Couplings



Fluid Couplings



Fluidomat – Fluid Couplings

- Fixed Speed - Constant Fill
- Variable Speed - Scoop Control
- Variable Speed – Jet Design

Universal Joints



Universal Joints

- Single Universal Joints
- Double Universal Joints
- Needle Bearing Universal Joints
- Stainless Steel Universal Joints
- Extendable Universal Joints

Locking Bushes



SIT – Mechanical Locking Bushes

- Many different designs
- Bore sizes up to 300mm
- Self centering models available
- Ease of assembly

Other taper lock bushes

- Standard Taper Lock Bushes
- American Standard QD Bushes

Poly-V Drives



Poly-V Pulleys

Poly-V drives have become more popular in Australia. We carry Poly-V Pulleys on the shelf ready for immediate dispatch.

- 'J' Section in 4, 8, 12 & 16 groove
- 'L' Section in 6, 8, 10, 12, 16 & 20 groove



Poly-V Belts

Poly-V drives have become more popular in Australia. Belts are kept in a sleeve and can usually be cut to the required number of grooves on the same day. Poly-V Belts are available in 'J', 'L' & 'M' section. 'H' & 'K' Section belts are also available on request.

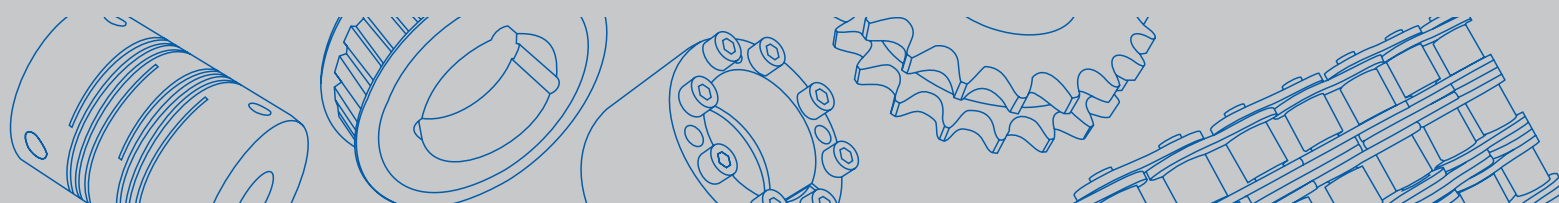
Key Steel



Key Steel

We keep a large range of key steel. Key steel is sold in 300mm lengths, but longer lengths are available on request.

- Metric and Inch sizes.
- Square and Rectangular dimensions
- Standard Steel & Stainless Steel.



Tensioners

VIB

Variable Speed



Tecnidea Cidue - Tensioners

- Suit Chain and Belts
- Many different designs



Anti Vibration Mounts

Anti Vibration Mounts are mechanical components that exploit the elastic deformation of four natural rubber cylinders that are inserted between two hollow square sections positioned 45° one to the other. These Technidea units all come with flanges of varying designs off the shelf and are interchangeable with industry standards.



Variable speed

- Mechanical
 - Stationary Adjustable
 - Manually Adjustable
 - Spring Applied
- Brands Include**
- Lovejoy
 - Hi-Lo
 - Miki Pulley
 - SIT
 - Zero-Max

Shaft Collars

Brakes & Clutches

Gearboxes



Ruland - Shaft Collars

- Metric & Inch series
- 1 Piece Set Screw
- 1 Piece Split
- 2 Piece Split
- Quick Release
- Double Width
- Steel Black Oxide
- Stainless Steel
- Aluminium
- Acetyl - Hospital grade
- Threaded Bore



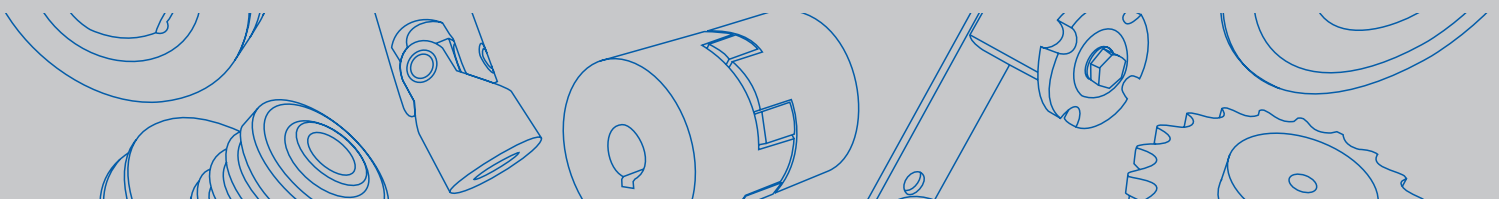
Brakes & Clutches

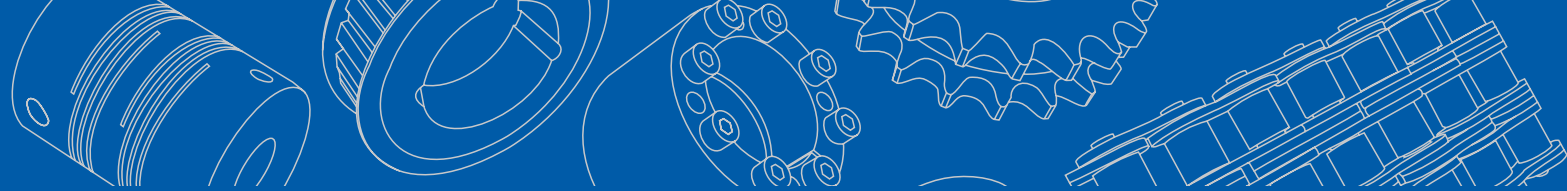
- Tol-O-Matic - Pneumatic, Hydraulic, Mechanical
- Miki Pulley, 24 Volt D.C.



Gearboxes

- WinSmith
- Float-A-Shaft - Tol-O-Matic
- Slide-Rite - Tol-O-Matic
- Crown Gear Drive - Zero Max
- Reversing - Hot Shift





WorkShop

Our workshop has the capacity that allows us to machine all of our products to suit your requirements. It may be a simple bore and key job in a coupling hub or a bearing fit in a sprocket or a timing pulley. We always offer quality workmanship in a very competitive turnaround time.

We also have the ability to manufacture Non-Standard Timing pulleys, Sprockets and Poly-V pulleys

Timing Pulleys

Classical Range	XL, L, H, XH, XXH
HTD	3M, 5M, 8M, 14M
GTR (Poly Chain)	8M, 14M
Metric	T5, T10, T20, AT5, AT10, AT20

Sprockets

British Standard

05B (8mm), 06B (3/8"), 08B (1/2"), 10B (5/8"), 12B (3/4"),

American Standard

25 (1/4"), 35(3/8"), 40(1/2"), 50 (5/8"), 60 (3/4"), 80 (1"),

Poly-V

J & L Section



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