Power Transmission
Product Range
Naismith Engineering & Manufacturing Co P/L

www.naismith.com.au
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.
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
- 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 ½ “ 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
Lovejoy
Since 1927 Lovejoy has been manufacturing quality couplings, including products such as
- Jaw
- Spacer Jaw
- S-Flex
- Mini Soft
- Oldham
- Saga
- Steel Disc
- Gear
- Grid
- 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
- B Type
- H Type
- D Type
- E Type
- Centamax
Flexible Couplings

**Ruland**
Based in Boston USA, Ruland have a large range of small Zero Backlash couplings under 50mm in diameter
- Beam
- Bellows
- Disc

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

- 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 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 or request.

**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
- **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 Tecnidea units all come with flanges of varying designs off the shelf and are interchangeable with industry standards.

### Variable Speed
- Variable speed
  - Mechanical
  - Stationary Adjustable
  - Manually Adjustable
  - Spring Applied
  - Lovejoy
  - Hi-Lo
  - Miki Pulley
  - SIT
  - Zero-Max

### Shaft Collars
- **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
- **Brakes & Clutches**
  - Tol-O-Matic – Pneumatic, Hydraulic, Mechanical
  - Miki Pulley, 24 Volt D.C.

### Gearboxes
- **Gearboxes**
  - Winsmith
  - Float-A-Shaft – Tol-O-Matic
  - Slide-Rite – Tol-O-Matic
  - Crown Gear Drive – Zero Max
  - Reversing – Hot Shift

### VIB
- **VIB**

### Anti Vibration Mounts
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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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