

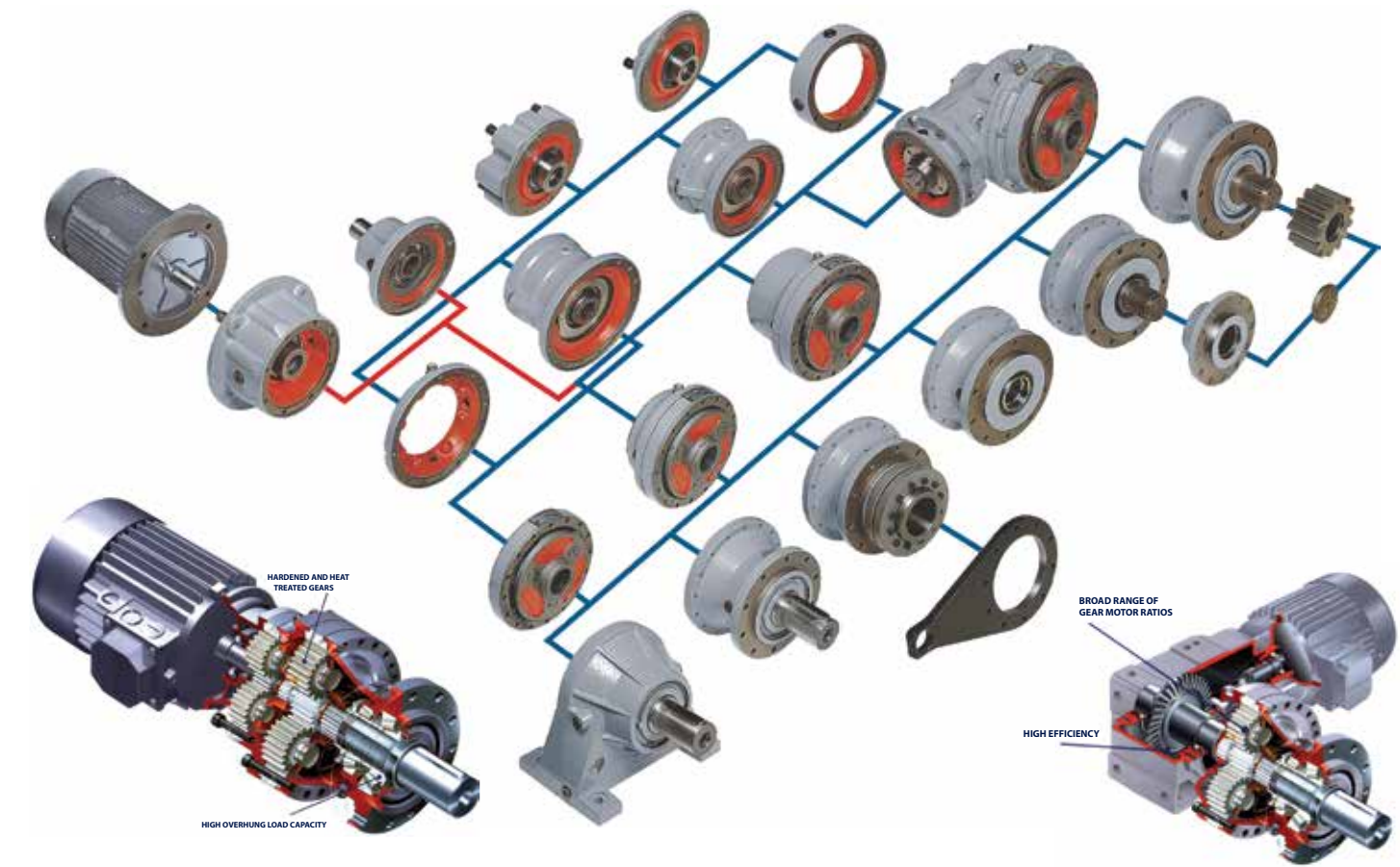
# PLANETARY DRIVES



THE TRASMITAL PLANETARY RANGE IS A HEAVY DUTY DRIVE SUITABLE FOR THE MOST RUGGED APPLICATIONS.

Originally designed for hydraulically driven mobile equipment and adapted for harsh industrial environments, this type of drive is ideal for high torque, low speed applications with high radial and shock loads. Their compact design offers space savings over conventional gearboxes. 20 sizes with input to accept either IEC motors, hydraulic motors or solid shaft inputs and multiple output types including foot mount, flange mount, shrink disc, splined and torque arm mount. All units can be assembled as in-line or right angle to suit your application. An additional feature is the ability to combine with worm or helical boxes providing ultimate versatility.

**TORQUE RANGE** 1000 Nm - 500,000 Nm  
**POWER CAPACITY** 0.12 kW - 450 kW  
**GEAR RATIOS** 3.4 - 5,000:1  
**MOUNTING** Foot, flange or shaft mount with torque arm  
**INPUT** IEC motor adaptor, compact motor or solid input shaft  
**HOUSING** Cast-iron



<b>IN-LINE PLANETARY</b>	TRASMITAL	<b>WORM PLANETARY</b>	TRASMITAL	<b>HELICAL BEVEL PLANETARY</b>	TRASMITAL
<b>HYDRAULIC PLANETARY</b>	TRASMITAL	<b>CONCRETE MIXER DRIVE</b>	TRASMITAL	<b>SLEW DRIVE</b>	TRASMITAL

## AGENCIES & SERVICES

+ INDUSTRIAL AND AUTOMOTIVE BEARINGS	NSK TIMKEN COOPER NTN MCGILL FAG DODGE
+ LINEAR MOTION BEARINGS	THK ROLLON W&W
+ SLEWING RINGS	Rothe Erde
+ SCREWJACKS ACTUATORS AND GEARS	FAIRVIEW Screw Jack Systems KHK LINAK Duff-Norton
+ PLAIN BUSHES AND ROD ENDS	CSB FK SB IS
+ BELTS AND PULLEYS	PIX Martin optibelt
+ CHAIN AND SPROCKETS	SY RENOLD SWIS DIAMOND 130KIB Martin OCM Fenner
+ COUPLINGS	Lovejoy Martin RENOLD FALK
+ GEARBOXES	BONFIGLIOLI DODGE
+ MOTION CONTROL	ATRIO TECNOINGRANAGGI LIBI BONFIGLIOLI VECTRON
+ OTHER POWER TRANSMISSION AGENCIES	mayr TOLLOK
+ LUBRICATION EQUIPMENT	GROZ FELARLUBE AlenLube macnaught perma simalube
+ LUBRICANTS	ROCOL TIMKEN FAG MOBIL MOBILVULCANIZABILI
+ ENGINEERING CONSUMABLES	LOCTITE INOX CRE ROCOL SANDVIK METALFIX GALMET DEVCON TITON morrisflex
+ MAINTENANCE & MEASURING TOOLS	Mitutoyo Lufkin GROZ Sykes-Pickavant TOLEDO KOMELON IRWIN
+ HAND TOOLS	KINOCROME POWERBUILT Koken AmPro HIT IRWIN
+ POWER TOOLS	HITACHI melabo makita Nilfisk TOOLINE
+ ABRASIVES	KLINGSPOR flexovit SAIT NORTON
+ CHEMICALS AND ADHESIVES	CRE LOCTITE GALMET ROCOL LPS
+ LIFTING AND MATERIALS HANDLING	TRAVEL Pacific Hyster Lynn River esko
+ SAFETY	WELDWELL SI
+ WELDING EQUIPMENT AND CONSUMABLES	WELDWELL SI

### NORTH ISLAND

WHANGAREI  
 P (09) 430-0105 F (09) 430-0150  
 whangarei@saecowilson.co.nz

NORTH SHORE  
 P (09) 444-6129 F (09) 444-7622  
 northshore@saecowilson.co.nz

NEW LYNN  
 P (09) 825-1037 F (09) 825-1168  
 newlynn@saecowilson.co.nz

PENROSE  
 P (09) 579-3199 F (09) 579-9225  
 penrose@saecowilson.co.nz

EAST TAMAKI  
 P (09) 274-4596 F (09) 274-4474  
 easttamaki@saecowilson.co.nz

MANUKAU  
 P (09) 263-4864 F (09) 263-4870  
 wiri@saecowilson.co.nz

PUKEKOHE  
 P (09) 237-1511 F (09) 237-1565  
 pukekohe@saecowilson.co.nz

FRANKTON  
 P (07) 847-8773 F (07) 847-5130  
 frankton@saecowilson.co.nz

MT MAUNGANUI  
 P (07) 575-6179 F (07) 575-3349  
 mtmaunganui@saecowilson.co.nz

ROTORUA  
 P (07) 348-5169 F (07) 347-8237  
 rotorua@saecowilson.co.nz

HASTINGS  
 P (06) 876-0345 F (06) 878-4243  
 hastings@saecowilson.co.nz

NAPIER  
 P (06) 843-0027 F (06) 843-0086  
 napier@saecowilson.co.nz

NEW PLYMOUTH  
 P (06) 758-5326 F (06) 757-5586  
 newplymouth@saecowilson.co.nz

PALMERSTON NORTH  
 P (06) 356-9561 F (06) 355-2017  
 palmerstonnorth@saecowilson.co.nz

WELLINGTON  
 P (04) 568-3189 F (04) 568-2041  
 wellington@saecowilson.co.nz

### SOUTH ISLAND

NELSON  
 P (03) 547-4888 F (03) 547-4550  
 nelson@saecowilson.co.nz

CHRISTCHURCH  
 P (03) 338-8533 F (03) 338-8518  
 christchurch@saecowilson.co.nz

HORNBY  
 P (03) 348-7171 F (03) 344-5162  
 hornby@saecowilson.co.nz

SYDENHAM  
 P (03) 379-3732 F (03) 365-4173  
 sydenham@saecowilson.co.nz

DUNEDIN  
 P (03) 477-8565 F (03) 477-2659  
 dunedin@saecowilson.co.nz

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 P (03) 211-8111 F (03) 218-9801  
 invercargill@saecowilson.co.nz

**SAECO Wilson**  
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# SAECO Wilson

Bearings | Power Transmission | Engineering Supplies

## GEARED MOTOR AND MOTION CONTROL

Assembled in Auckland & Christchurch



\* Andriil Hot Water Drill - Capstan Ross Ice Shelf - Antarctica  
 Photo Courtesy of Max Tarr Industrial



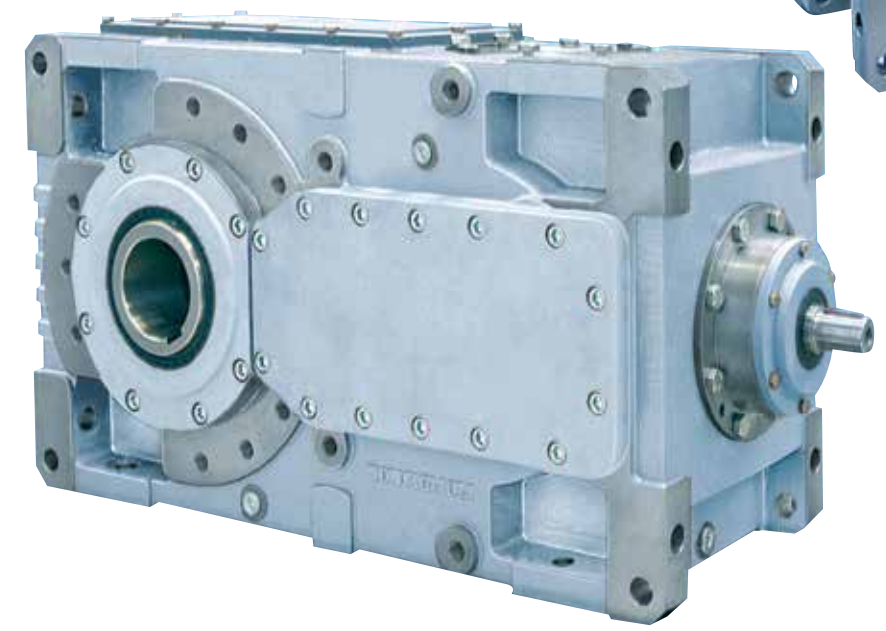
# HEAVY DUTY DRIVES



BONFIGLIOLI HDO (BEVEL HELICAL) & HDP (PARALLEL SHAFT HELICAL) GEAR REDUCERS.

The new HDO series has been designed and engineered using the latest technology to offer class leading torque ratings, gear ratios in close progression, numerous mounting options and compact dimensions. The housing is constructed from modular cast iron ensuring robustness even in the harshest environments. There is a broad range of options allowing for extensive customisation that will ease the engineering of any application.

EXTENSIVE OPTIONS		HEAVY DUTY DRIVES
Labyrinth Seals	Cooling Coil	HDP & HDO
		<b>TORQUE RANGE</b> 4650 Nm - 450,000 Nm <b>POWER CAPACITY</b> 1722 kW <b>GEAR RATIOS</b> 7:1 to 500:1 <b>MOUNTING</b> Universal <b>INPUT</b> Solid input shaft or bell housing and coupling <b>HOUSING</b> Nodular cast-iron, split case from size 130
Forced Lubrication	Backstop	



<b>HDO 160 / 3D Model</b>	<b>HDO 318 / 3D Model</b>

<b>HD DRIVE POWER PACKS</b>	<b>ENGINEERED DRIVE</b>	<b>HD HI TORQUE DRIVES</b>	<b>ENGINEERED DRIVE</b>	<b>HD ALIGNMENT FREE DRIVE</b>	<b>ENGINEERED DRIVE</b>

PHONE: 0800 338 833 FAX: 0800 833 883 EMAIL: sales@saecowilson.co.nz

# HELICAL RANGE



COMBINING MODULAR, COMPACT DESIGN WITH UNIVERSAL MOUNTING, HIGH EFFICIENCY AND FOUR DIFFERENT TYPES GIVE A SUITABLE SOLUTION FOR YOUR SPECIFIC APPLICATION.

Available with either an IEC motor input or the Bonfiglioli compact series integral motor. The IEC input allows for any standard IEC motor to be fitted to the gearbox and gives the added benefit of a dry face mount for easy maintenance. The compact series motor offers cost and space saving and is ideally suited to OEM users.

## In-line Helical Gearmotors / C Series



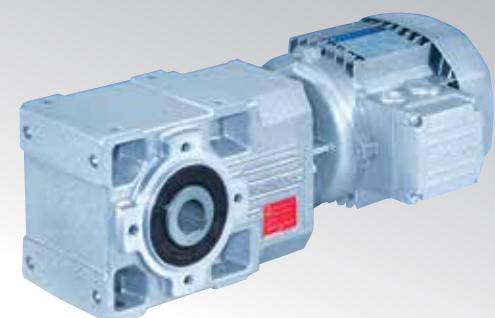
Top torque density, compact modular design, extremely wide speed range and cost effectiveness make the C series the first choice for in-line helical gearmotors.



## Helical Bevel Gearmotors / A Series



Unparalleled universal mounting, compact modular design, high efficiency and quiet operation combined with cost effectiveness make the A series the most flexible range of helical-bevel gearmotors.



## Shaft Mounted Helical Gearmotors / F Series



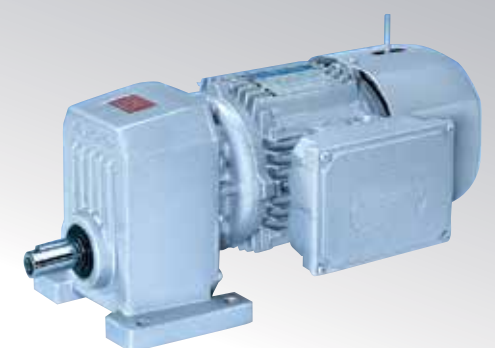
The F series is the rugged and dependable shaft mount helical gearmotor for all material handling applications. Universal mounting, modular design, high efficiency and quiet operation allows for simple installation in a variety of applications.



## Single Reduction Helical Gearmotors / S Series



The S series is simple and powerful and most suitable for the pump industry as well as fan and blower applications. Ideal for any application where a small reduction ratio is required. Output shaft and flange dimensions are to the UNEL standard.



## Clutch-Brake Units / NFF Series



The NFF series electromagnetic clutch-brake units are designed for multiple stop-start and braking. Ideal for indexing applications. Normally installed between motor and gearbox.



## Shaft Mounted Speed Reducer / TA Series



The TA Series is a heavy duty shaft mount speed reducer for material handling applications where absolute reliability and low maintenance are a key factor. Available in six ratios from 5:1 to 30:1



# WORM RANGE



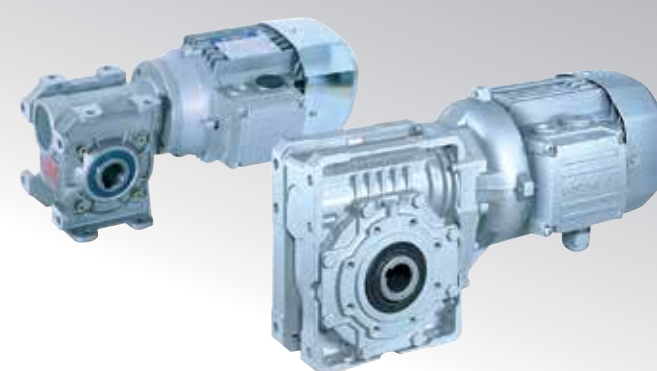
UNCOMPROMISING QUALITY WITH STATE-OF-THE-ART MODULAR DESIGN MAKE THE BONFIGLIOLI WORM RANGE SUITABLE FOR A WIDE RANGE OF APPLICATIONS.

There are four main types available. The modular design allows for numerous mounting options and there are many additional bolt on accessories making the Bonfiglioli worm range one of the most universal and cost effective geared motors on the market.

## Worm Gearmotors / VF . W Series



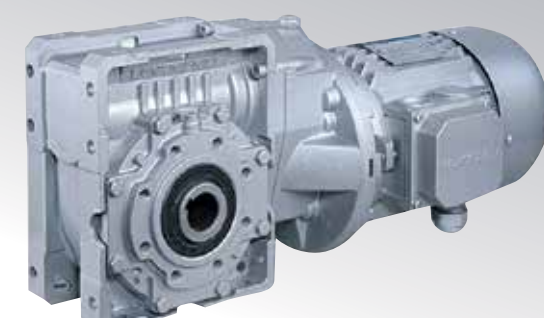
The Bonfiglioli range of standard worm gearboxes offer a modular design with absolute flexibility due to the universal mounting and multiple bolt on accessories. Also available with internal torque limiter Available in sizes ranging from 27 – 250mm.



## Helical Worm Gearmotors / VFR . WR Series



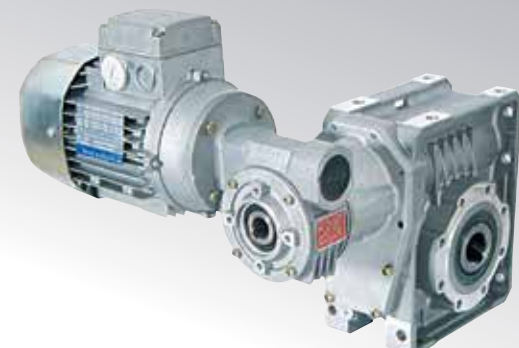
The standard range of worm gearboxes can also accept a helical pre-stage allowing for ratios up to 300:1 there by giving a cost effective solution for lower speed applications.



## Double Reduction Worm Gearmotors / VF . W Series



The modular design of the worm range allows for double worm unit combinations with ratios ranging from 230:1 up to 10,000:1. Ideal for low power applications requiring speeds below 5 rpm.



## Enhanced Protection Worm Gearmotors



Worm gears and motors are also available in the enhanced protection "EP" configuration, featuring food grade specifications and extra corrosion protection such as stainless steel output shafts, allowing for cleanliness and sanitation after operation. Available in size VF44 - W86.



## Mitre Gears / RAN Series



The RAN series are designed to transmit power in right angle configurations. Easy to fit and maintenance free, RAN units offer multiple shaft options and exact gear ratios of 1:1, 2:1, 3:1 & 4:1.



## High Efficiency Motors / BE Series



The IEC-normalized BE motors comply with IEC 60034- 30:2008 efficiency classes. They are available in the 0.75 - 22 kW range with foot and flange mounting version. Brake options are DC or AC supply. Finally, all motors are inverter duty.



# MOTION CONTROL



SAECOWILSON CAN OFFER COMPLETE AUTOMATION PACKAGES, FROM BASIC MOTION AND SPEED CONTROL TO COMPLEX MULTI-AXIS SERVO SYSTEMS.

With agencies such as Trio, Bonfiglioli and THK proven in a wide range of applications around the world, SAECOWILSON can offer a customised package to suit your automation requirements.

## Active Cube Servo Drives



Bonfiglioli produce a full series of solution and servo drive, compact and flexible, dedicated to highly demanding automation systems and to motion control architectures in match with Bonfiglioli Servo Motors.



## BCR/BTD Servo Motors



Bonfiglioli manufacture a range of brushless AC servo motors to suit a wide range of automation and high precision applications. With the highly efficient compact BTD series and the wide torque range of the BCR series Bonfiglioli can provide a solution to suit your automation requirements.



## Tecnogranaggi



Tecnogranaggi manufacture a large range of low backlash planetary gearheads for use on servo and stepper motors to suit a wide variety of automation and high precision applications. Tecnogranaggi gearheads are available in right angle or in-line configurations with reduced backlash versions also available.



## Trio



Trio motion control is a specialised manufacturer of high performance motion control technology. A wide range of flexible and economical solutions are available for motion control applications, enabling control of complex high speed automation systems.



## KBK



Zero Backlash Couplings ideal for servo, encoder and ball screw applications. Bellows and curved jaw versions available ex stock. No keyway required with locking device, shrink disk or locking element versions. Safety and torque limiting versions available as well as stainless steel versions.



## Linear



SAECOWILSON are distributors for some of the leading linear motion products available allowing us to offer a complete motion control package. Full engineering support is available to assist with specification and design of any linear motion system.



# VARIABLE SPEED DRIVES



BONFIGLIOLI VECTRON OF GERMANY OFFER A FULL RANGE OF VARIABLE SPEED DRIVES TO SUIT EVERY APPLICATION.

With three series of drives available there is a solution to suit every application.

## SYN 10



Simple and cost effective drives available in either 200V or 400V input and rated up to 2.2kW. 30 simple software parameters. Available as IP20 or IP65 versions for wet and dirty environments eliminating the need for an electrical cabinet.



## Agile



The new Agile series has been specifically designed for maximum functional integration. There is a large range of hi-tech options already built in and the ability to expand with accessories and optional plug in modules. Available with 200V/400V input from 0.25kW to 11kW.



## Active



A full series of fully featured and flexible variable speed drives that are versatile and extremely easy to use, featuring control for high performance and unbeatable advantages in their scalability and compact size.



# ASSEMBLED IN NEW ZEALAND

10+ Years



## BONFIGLIOLI ADVANTAGES

- + Large range available and assembled in Auckland and now in Christchurch
- + Modular design allows for quick delivery times
- + IEC motor interface (dry face) or Compact (integral) motor types available
- + High quality, compact and extremely reliable

# ENGINEERING SUPPORT

Support	Technical Data	Internet PDF's
Our experienced engineers are available to provide specialist application advice and solutions on the varying aspects of the mechanical and electrical drive systems. <b>CONTACT: 0800 833 883</b> Gearboxsales@saecowilson.co.nz www.saecowilson.co.nz	A large selection of technical data and 2D/3D models are available for download at <a href="http://www.bonfiglioli.com/en/industrial">www.bonfiglioli.com/en/industrial</a> or hard copies available on request from your nearest branch. 	A full range of catalogues are available for download in PDF format at <a href="http://bonfiglioli.com/en/industrial">bonfiglioli.com/en/industrial</a> or hard copies available on request from your nearest branch.