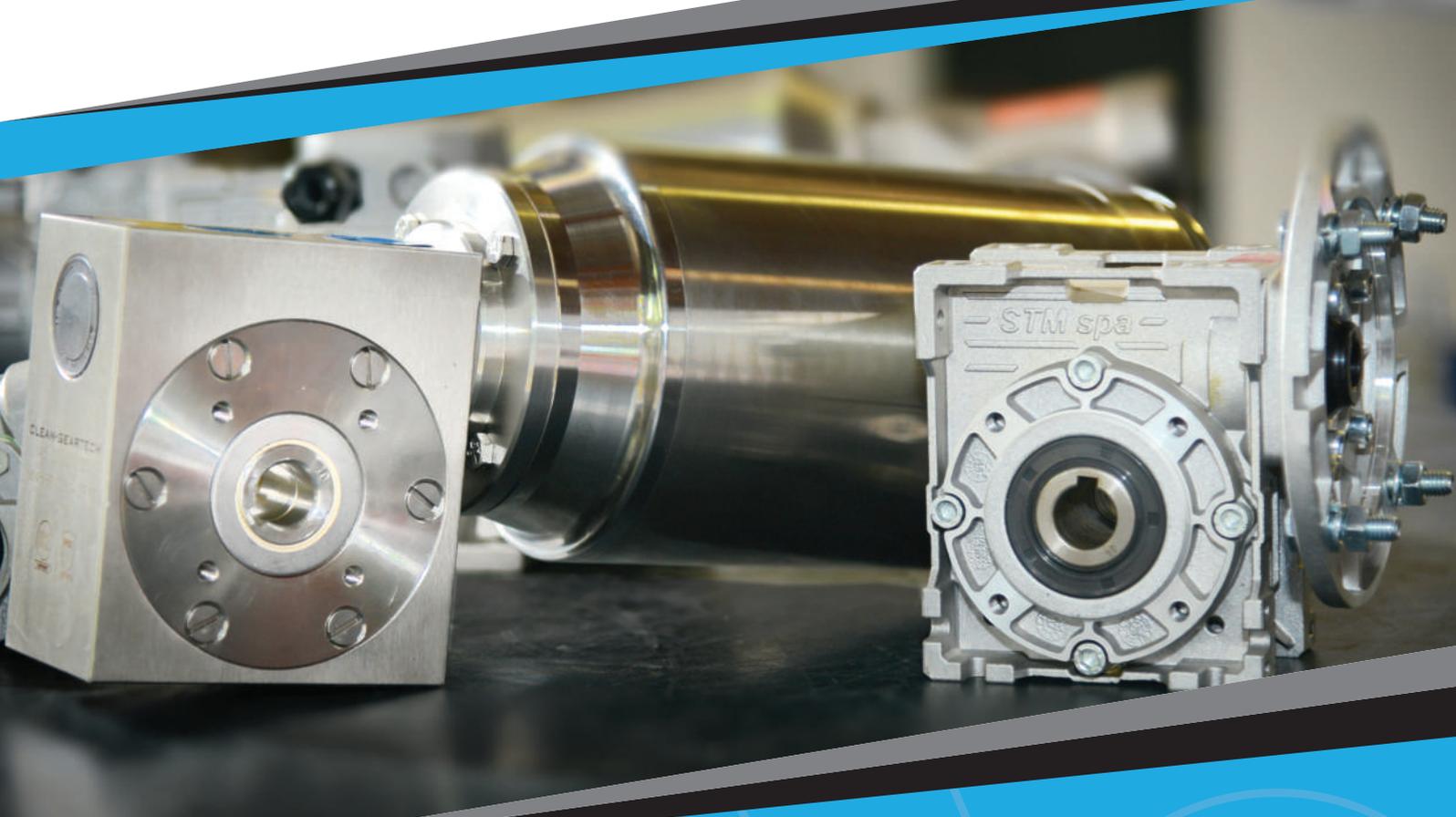




**EQMINDUSTRIAL**

Optimising Performance



# DRIVE

- Gearboxes
- Electric Motor
- Power Transmission



# WHY EQM?

At EQM we're focused on optimising your equipment's performance.

Provider of the complete service:

- A wide and innovative product range
- Componentry or assembled products
- New technology discovered and introduced
- Turnkey, easy-to-install systems
- Extensive stock available
- Prompt and flexible delivery service
- Parts and service back up



## 30 YEARS OF HISTORY

In 1990 the company began life as Equipment Market, dealing in second-hand power transmission, food handling and packhouse conveying equipment. The gear was mostly mechanical back in those days, with lots of moving parts. Anthony Bloxham began working for the company in 1993.

In 1995 David Bloxham, Anthony's father, bought the business and in 1998 brother Tim also joined the company. As technology developed, so did the range of equipment available. By 2006 the company began importing new gearboxes and motors from Italy to meet growing demand for a broader range of quality geardrives and equipment.

In 2010 the business rebranded to EQM Industrial. This reflected the major change in focus to that of a new equipment supplier rather than used. In 2012 customisation of conveyor systems became a speciality for the team and their technical abilities really came to the fore, providing bespoke systems that delivered and optimised customers production.

Another big step forward came in 2015 with the consolidation of the product range into EQM Drive, EQM Move and EQM Pack. This enabled clients to more easily identify the right products and their relevance to what they were manufacturing or processing.

In 2017, a visit to Fruit Logistica in Germany identified big developments in turnkey solutions for fruit packing lines, EQM became the NZ sales agent for Unitec Systems.

Move forward to today and EQM Industrial continues to thrive and develop robust, innovative, customised solutions for their broad customer base.

## OUR VISION

*To be recognised and in demand in New Zealand as specialists in industrial equipment and power transmission components.*

## OUR MISSION

- Motivate clients to buy now
- Motivate clients to refer us to others
- To be known and in demand as a 'one-stop shop' specialist advisors / consultants
- Strengthen partnerships for growth
- Helping to deliver food safety outcomes
- Support our communities

## WE HAVE PRODUCTS ACROSS THREE AREAS

### DRIVE

Where OEM's, Engineers, manufacturers and factories find all kinds of simple and complex power transmission solutions.

### MOVE

Our conveyors and componentry help manufacturers and packhouses to reduce cost of production by streamlining processes and driving productivity.

### PACK

Fruit & Vegetable Packing lines and equipment that efficiently transforms the harvest into highly presentable retail ready export quality produce with minimal waste.

# EQM DRIVE

Stainless steel gearboxes  
and motors

STM worm gearboxes -  
standard range

STM helical, bevel and  
planetary gearboxes

Electric motors

Low voltage battery powered  
motors

Speed controllers

Bearings and housings

Power transmission



CLEAN-GEARTECH



Never a problem always a ...

**CHALLENGE**



It all began with a hydrodynamic speed variator invented by Giuseppe Speggorin in 1955.

In 1983 Giuseppe's son, Stefano Speggorin, founded his own company, Hydro-Mec Spa, now one prominent manufacturer of high quality modular gearboxes.

In 2006 Stefano decided to face another challenge, this time coming directly from the end users. He designed a range of stainless steel modular gearboxes with a focus on the food industry and started manufacturing same year at Hydro-Mec. As time passed, it became obvious that this product range deserved its own story.

In 2016 Cleangeartech brand and business unit started. Today it is a division using high end technology to manufacture and supply an evolving worldwide sales network with a strong focus on R&D activities. Cleangeartech is deeply committed to providing a high level of service supplying an exceptional product demanding industries like Food & Beverage, Meat & Poultry, Marine, Chemical and Pharmaceutical.

## Hygienic design aluminium worm gearboxes



Type Tipo	Torque Coppia	Center distance Interasse	Input power Potenza in entrata	Hollow output shaft Albero cavo in uscita
Z30	21 Nm	30 mm	0.09 ÷ 0.18 kW	ø14 mm
Z45	41 Nm	45 mm	0.09 ÷ 0.37 kW	ø18 mm
Z50	72 Nm	50 mm	0.12 ÷ 0.75 kW	ø25 mm*
Z63	147 Nm	63 mm	0.37 ÷ 1.8 kW	ø25 mm
Z85	347 Nm	85 mm	0.55 ÷ 4.0 kW	ø35 mm

\* Alternative shaft option of 20mm

Z

## Stainless steel worm gearboxes



Type Tipo	Torque Coppia	Center distance Interasse	Input power Potenza in entrata	Hollow output shaft Albero cavo in uscita
				Standard      Optional
I30	21 Nm	30 mm	0.09 ÷ 0.18 kW	ø14 mm
I45	41 Nm	45 mm	0.12 ÷ 0.37 kW	ø18 mm    ø19 mm
I50	72 Nm	50 mm	0.12 ÷ 0.75 kW	ø25 mm    ø24 mm
I63	147 Nm	63 mm	0.37 ÷ 1.8 kW	ø25 mm    ø28 mm
I85	347 Nm	85 mm	0.55 ÷ 4.0 kW	ø35 mm
I11	651 Nm	110 mm	1.1 ÷ 4.0 kW	ø42 mm

I



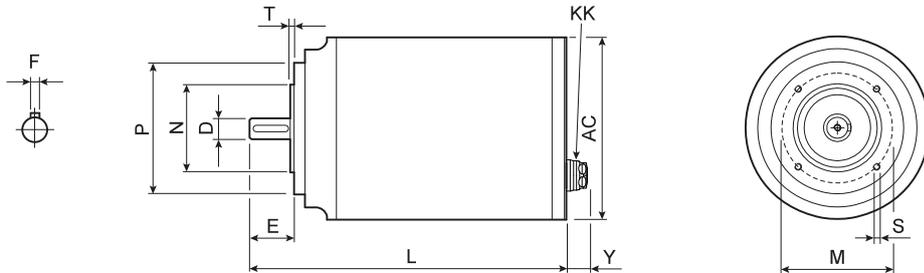
**IEC B14**  
Standard in  
stock

Hygiene aluminium and stainless steel  
premium electric motors

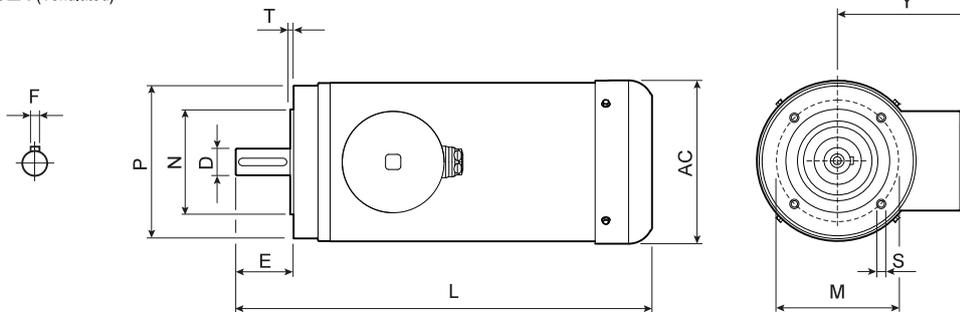
**IEC B5**  
only  
on request

**B14** Dimensions  
*Dimensioni*

63A+90L (Totally enclosed, not ventilated)



100LA (Ventilated)



4 poles B14

Motor	kW	IE3	rpm (min <sup>-1</sup> )	Nm	A (400V)	COS (φ)	D	F	E	L	AC	Y	N	M	P	T	S	Kg	KK
63A	0.12		1440	0.80	0.44	0.57	11 j6 M4	4	23	229	131	24	60 j6	75	90	2.5	4xM5	8.7	M16x1.5 ø7.5-10 Tightening: 15 Nm
63B	0.18			1.19	0.58	0.62				244									10.0
71A	0.25		1440	1.66	0.72	0.64	14 j6 M5	5	30	266	131	27	70 j6	85	105	2.5	4xM6	11.6	M20x1.5 ø11-13.5
71B	0.37			2.45	1.10	0.67				286				80 j6	100	120	3	4xM6	13.5
80A	0.55		1460	3.60	1.50	0.67	19 j6 M6	6	40	280	166	30	80 j6	100	120	3	4xM6	19.0	Tightening: 18 Nm
80B	0.75			4.91	2.10	0.70				305				95 j6	115	140	3	4xM8	22.0
90S	1.1		1460	7.20	2.90	0.70	24 j6 M8	8	50	345	166	140	110 j6	130	160	3.5	4xM8	27.0	M25x1.5 ø15-18 Tightening: 35 Nm
90L	1.5			9.81	4.00	0.79				390									33.0
100LA	2.2		1440	14.6	4.80	0.79	28 j6 M10	8	60	432.5	171	140	110 j6	130	160	3.5	4xM8	34.0	M20x1.5 ø11-13.5 Tightening: 18 Nm

Ventilated





- **STANDARD** Basic
- **HIGH TECH** Motion
- **HIGH TECH** Heavy-Duty

Since 1976 STM has been designing and manufacturing gearboxes, geardrives and variators as innovative and reliable solutions for controlling and powering transmission across a wide range of industries. STM has become well known in national and international markets in which it has reached a most respected position.

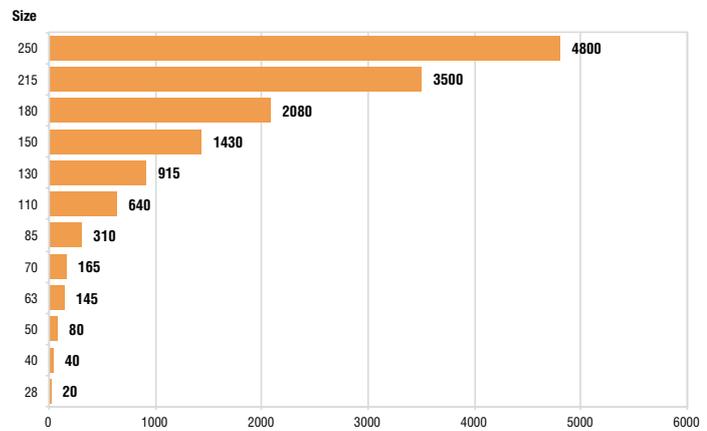
Achieving ISO 9001 Certification in 1998 and using modern design systems and high-tech production machinery, STM offer a wide range of speed reducers, electric motors, mechanical and electronic variators.

In 2000 STM acquired GSM Spa to produce larger higher powered gearbox and gearmotors. In 2009 S.T.M. introduces EX series planetary gearbox to strengthen its product portfolio.

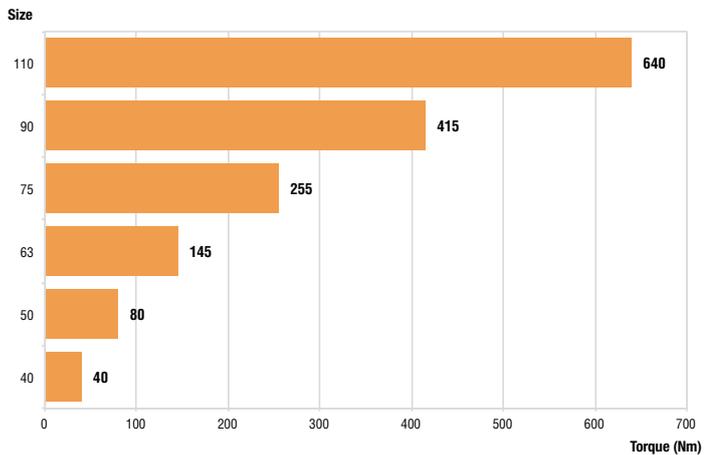
STM team lead technical solutions in every field of light and heavy gearboxes designed to suit specific users requirements. For STM team, unity is strength meaning total customer satisfaction, too.



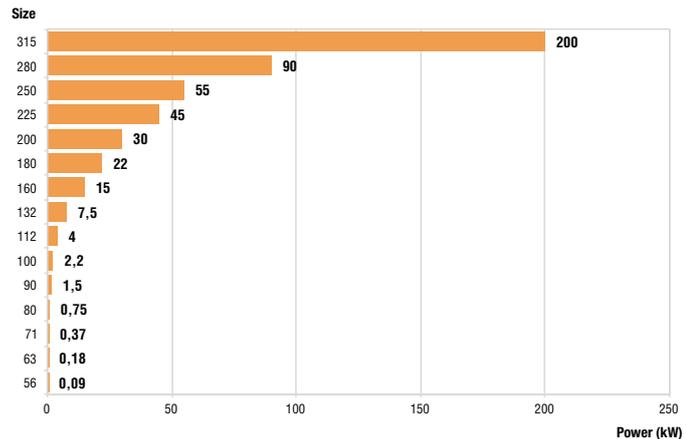
**R**



**U**

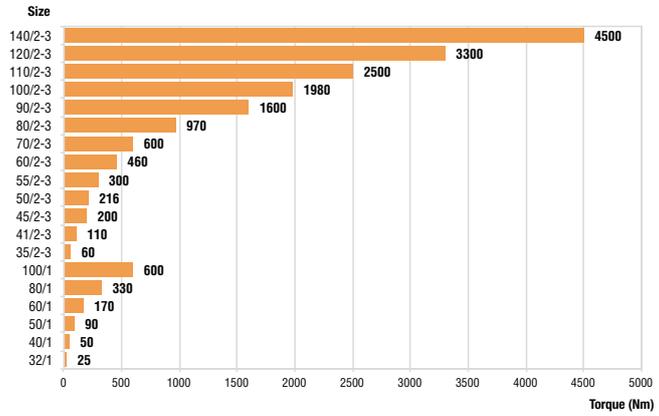


**VL**

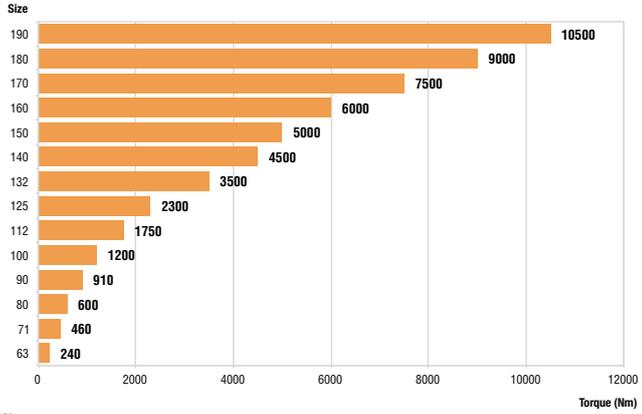




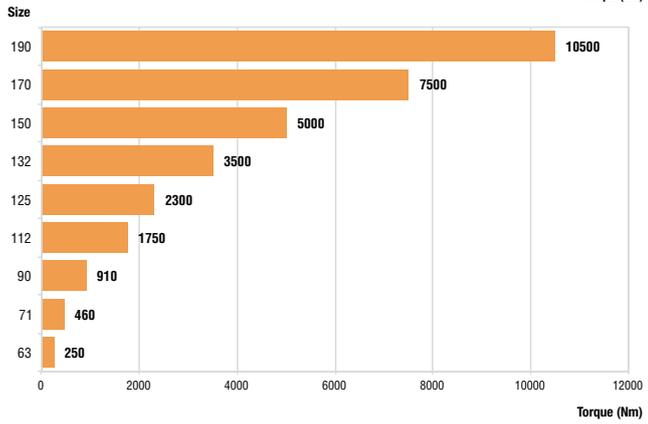
**A**



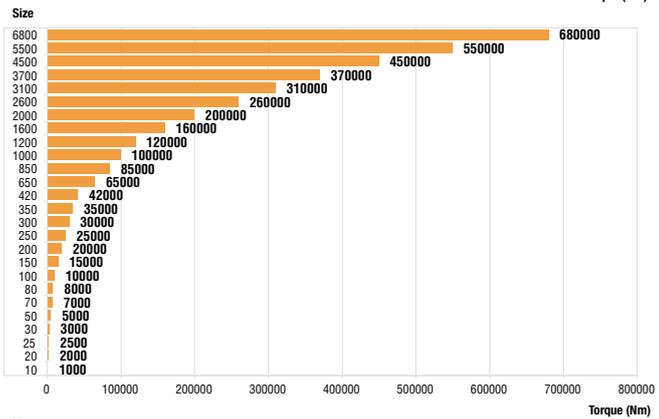
**O**



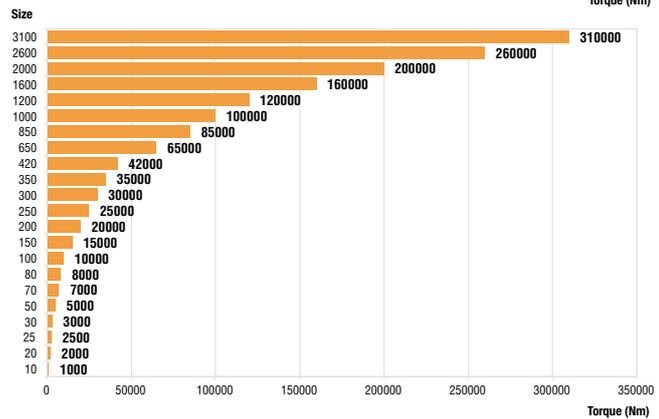
**P**



**EX**



**EXB**



# DAGU

ELECTRIC MOTORS



MADE IN ITALY



## Motor Characteristics:

- Low voltage DC
- Type: synchronous
- Voltage: 180Vdc, 24Vdc, 12Vdc
- Options: waterproof, permanent magnet
- Torque: Min.: 0.2 Nm  
Max.: 3.0 Nm
- Power: Min.: 40 W  
Max.: 1000 W (1.0kW)
- Rotational speed: 1,000 rpm, 1,500 rpm, 2,500 rpm, 3,000 rpm
- Flange mountings: 56B14, 63B14 & B5, 71B14 & B5

## Top Quality Motors, Gearmotors and Drivers

*AC, DC, permanent magnets, brushes and brushless motors.*

*Custom designed and made in Italy.*

### DAGU produces:

The DAGU range of motors and miniature gearmotors can satisfy the most specific and diverse requirements and applications, some of which are listed below:

- Powers from 30 to 2000 W for intermittent or continuous duty;
- Standard or customized construction forms and dimensions;
- Waterproof or open motors with different degrees of protection;
- EMI suppression filters (standard in many motors);
- Position, speed and shifting sensors such as encoders, can be fitted on request;
- Electromagnetic brakes on request;
- Reduction gears on request;
- Incorporated or separate electronic controls on request.



## Variable Speed Drives



### Primary Features

- 3phase / 3phase
- 0,09kW - 315kW
- 1phase / 3phase
- 0.2kW – 2.2kW
- 3phase output 230 VAC



Never a problem always a ...

**CHALLENGE**®



Challenge Power Transmission was founded over 35 years ago with a single-minded objective; to manufacture and distribute the finest quality power transmission products to the world.

For the past 35 years they have been developing and refining their products and distribution network and as a direct result Challenge has become one of the most sought-after brands in this highly competitive market.

*Challenge: an internationally recognised brand offering the widest possible range of quality power transmission branded products, all available from one high-quality manufacturer.*

One of the key elements behind its continuing success is the Challenge joint ventures control the factories and distribution therefore the brand is recognised globally for its consistent quality. All Challenge products are indelibly marked, often using the latest laser technology to not only guarantee they are genuine Challenge products, but also enables distributors to quickly and easily identify products for storage and dispatch.



#### Challenge Triple Sealed Bearings

- Triple lipped seals on bearings with shields as standard
- Sealed units for longer life
- Supplied with a grease nipple
- Pillow blocks (UCP), 2 bolt & 4 bolt flange units (UCFL &UCF), Take-Up units (UCT)
- Bearing inserts also available separately (UC)
- Self-aligning
- Fully interchangeable with other brands



#### Challenge transmission chains – For longer life:

- Pins made from case hardened chrome manganese molybdenum steel – increases wear resistance with more shock absorption ability.
- Pre-stretched – “fit and forget”.
- Ball swaged holes – combats fatigue failure.
- Shot peened rollers and side plates – reduces fatigue failure.
- Deep waisted side plates – increases breaking load and reduces stress.
- Solid rollers – prolongs wear life.



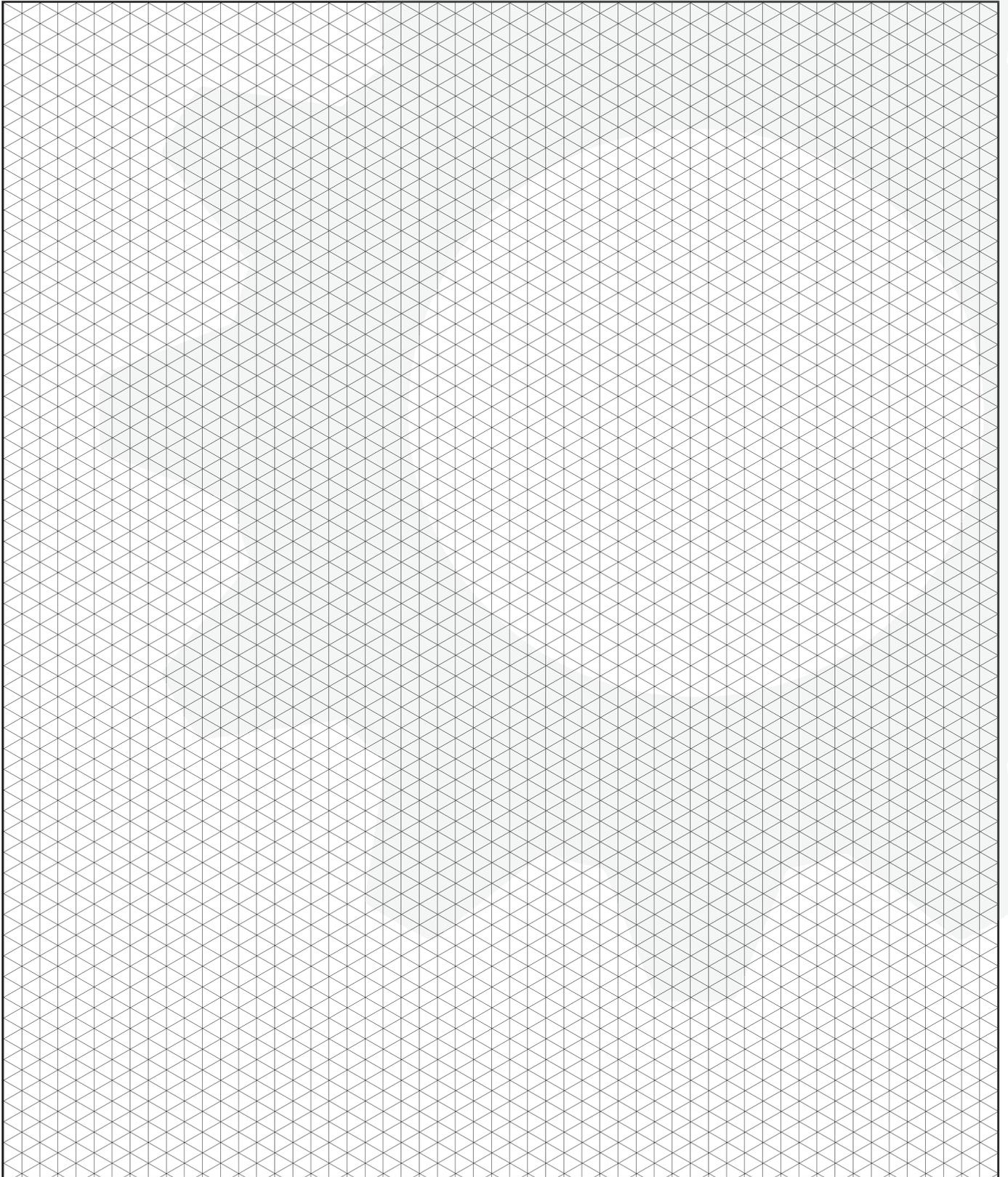
The Challenge range of bearings consists of ball, roller and spherical bearings triple seal bearing units. High quality materials are used throughout with Gcr 15 high carbon chromium steel used for bearing rings and balls and a high thermal range grease used as standard (-20 to 120°C).

#### Challenge also manufacture:

- Conveyor Chains, Taperlock Sprockets, V-Belts & Pulleys (large selection), Shaft Couplings, Shaft fixings – Taperlock and Milock and more.









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