

# Tech DIRECT

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Let's make industry work better

**ERIKS**

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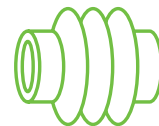
As an authorised distributor for the leading global brands, ERIKS has integrated logistic links with all the key manufacturers, delivering the most reliable supply service.



**Pages 55-104**

## **POWER & TRANSMISSION**

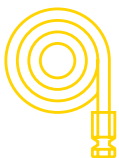
ERIKS' understanding of power transmission systems and their working environment enables us to engineer solutions that offer increased efficiency, extended lifecycles, minimum maintenance and maximum productivity.



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## **SEALING & POLYMER**

With products, materials, processes, application know-how and extensive resources available 24/7 - ERIKS offers a complete sealing solution package.



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## **FLUID POWER, TRANSFER & CONTROL**

Offering fast, cost-effective access to an extensive range of world leading brands, ERIKS product knowledge, coupled with our in-house Application Engineers, positions us to provide solutions based on a true understanding of your needs.



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## **FLOW CONTROL**

Whether you need a solution for your pumps or valves, ERIKS Flow Control have the engineering capability, technical expertise and supply chain you can rely on, year in, year out.



**Pages 243-295**

## **INDUSTRIAL MRO & SAFETY**

Choosing the right tools, safety and maintenance equipment isn't just about getting the job done more efficiently, it's about protecting employees from injury. ERIKS Industrial MRO and Safety can help make the correct decision.

# WE ARE PROUD TO BE ONE ERIKS...

**We are many, yet we are one. It is a source of strength for ERIKS. Together, we reach out to customers all around the UK and Ireland. From simple product supply or repair, to fully integrated indirect supply chain optimisation and asset management, ERIKS deliver time and cost savings to our customers every day.**

## **So, how do we make our customers business' more successful?**

We are a multi-product specialist offering availability to a range of high-quality products, on-time deliveries and custom-made solutions that provide a true difference to our customers.

ERIKS is more than just a seller of products. We have a passion for knowledge. We apply our technical expertise to our customers and assist them in making their business work better.

We innovate and co-engineer, creating out-of-the-box solutions for, and with, our customers. Working closely together, we are continuously creating improvements that allow you to work better.

We have the security of being part of SHV, a privately-owned global company with an annual turnover of around €20bn. Our parent, ERIKS Group, has over 7000 employees worldwide, 1700 of which are based here in the UK.

As part of Europe's largest distribution, engineering and integrated solutions provider, we are proud of the way we help industry work better.



## AT ERIKS WE MAKE IT SIMPLE TO GET THINGS DONE

# MORE THAN THE SUM OF THE PARTS...

Products are at the heart of everything we do, but they're not all that makes the ERIKS range the best option. We understand that the part is only the beginning. That's why bringing you greater efficiency, higher productivity and lowering your costs is our aim.

## Parts and partnership

We deal exclusively with leading manufacturers, many of whom are our long-term partners, so we can assure complete traceability of every part we stock.

## We have our standards

When a standard solution isn't enough, our local sites, Technical Service Centres and Regional Hubs can offer you even more. We have the facilities and expertise to provide upgrades, customisations to standard items and comprehensive re-engineering. Meaning, even when a part becomes obsolete, we'll find the right solution for you.

## Our Service Centres

Access to over £23 million mechanical, electrical and engineering components, across 1.3 million product lines, suited to local industries – all just one phone call away.

## Our Technical Service Centres

Investment in our Technical Service Centres enables us to offer our customers additional capabilities including:

- Gasket cutting
- Hose assembly
- Valve testing
- Pump repair

## Our Regional Hubs

With six Regional Hubs, we are able to offer highly specialised support and stockholding capabilities tailored to our customers specific requirements. We offer:

- Technical support
- Machining and product customisation cells
- Bespoke engineering capabilities
- Site services
- Parts warehousing
- Demonstrations and training



As Europe's leading partner in industrial products, services and solutions, we are a business that you can rely on. Working with us has never been easier thanks to the ERIKS Webshop. This innovative process is completely electronic, giving you far more visibility and control over ordering and auditing.



**WEBSHOP**  
shop.eriks.co.uk



# 6

## REASONS TO USE THE ERIKS WEBSHOP:



### Extensive Product Range

Working closely with the most recognised suppliers and manufacturers, we offer a continuously growing portfolio of over 250,000 products.



### Intuitive Ordering System

Fast. Efficient. Secure. Putting you in full control of your account, you can view all of your ERIKS transactions in one easy to navigate place.



### ERIKS Know-How

Detailed technical, safety and installation information at the touch of a button - all backed up by decades of product knowledge and real-time support.



### Time Saving

Spend more time on making improvements and less time on sourcing and procurement. You can import order detail into your ERP system and create and manage your order lists for increased visibility and efficiency.



### Flexibility

Alongside our 24/7 ordering systems, we offer a range of delivery options ensuring you receive your products when you need them:

- Next day dispatch on orders placed before 4pm
- Same day courier delivery available
- Click and collect from your local ERIKS Service Centre



### Total Control

We understand that having control of your procurement processes is important for any business, so you can build in authorisation and approval process into your account and:

- Set spending limits according to employee user level
- Automatically authorise or decline purchases
- View your complete ERIKS purchase history

Speak to your local  
ERIKS Service Centre

0121 508 6000

[eriks.co.uk](http://eriks.co.uk)



# SUPPORT FOR LIFE

Even the highest quality, best designed, most carefully engineered product won't last forever. But with the right support, it can have a far longer, more productive service life.

ERIKS Technical and Engineering Services will help to ensure the product is always operating at its most efficient, with less unplanned downtime. If a repeat failure should occur, our engineers see it as an opportunity

for performance improvement. Using root cause analysis, instead of simply addressing the symptom, they will resolve the issue and prevent it from happening again or happening so frequently.

So, rather than possibly saving pennies on the initial purchase price, with ERIKS Technical Services support for life, you can save pounds on maintenance, repairs and replacements.



		Services														
		Advise/Review			Implementation	Optimise/Monitor					Maintain			Full Service		
		Application Engineering/ Problem Solving	Training	Spares and Maintenance Strategy		Process Improvement/TCO	Energy Management	Condition Monitoring	OnSite Inspection	Testing & Certification	OnSite Maintenance	Lubrication	Repair		Replacement	Asset Management
Product Business Units	Bearings & Lubrication	Bearings	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		Lubrication	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Power Transmission	Open Drives	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		Closed Drives	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Sealing & Polymer	Sealing	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		Gaskets	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Fluid Power, Transfer & Control	Industrial Hose	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		Hydraulics	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		Pneumatics	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		Filtration	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Flow Control	Valves	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		Pumps	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	Industrial MRO & Safety	PPE	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		Tools	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		Electrical	■	■	■	■	■	■	■	■	■	■	■	■	■	■

















# BEARINGS & LUBRICATION

Since more than 60% of bearings fail prematurely, you need a fast replacement every time.

Our experienced team of in-house technical experts mean we won't just identify the failure, but we can isolate the cause, propose a solution and, if necessary, design and install bespoke solutions.



## QUICK MANUFACTURER REFERENCE

					
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42	43	44	45-49	50	51
					
52	53				

## QUICK PRODUCT REFERENCE

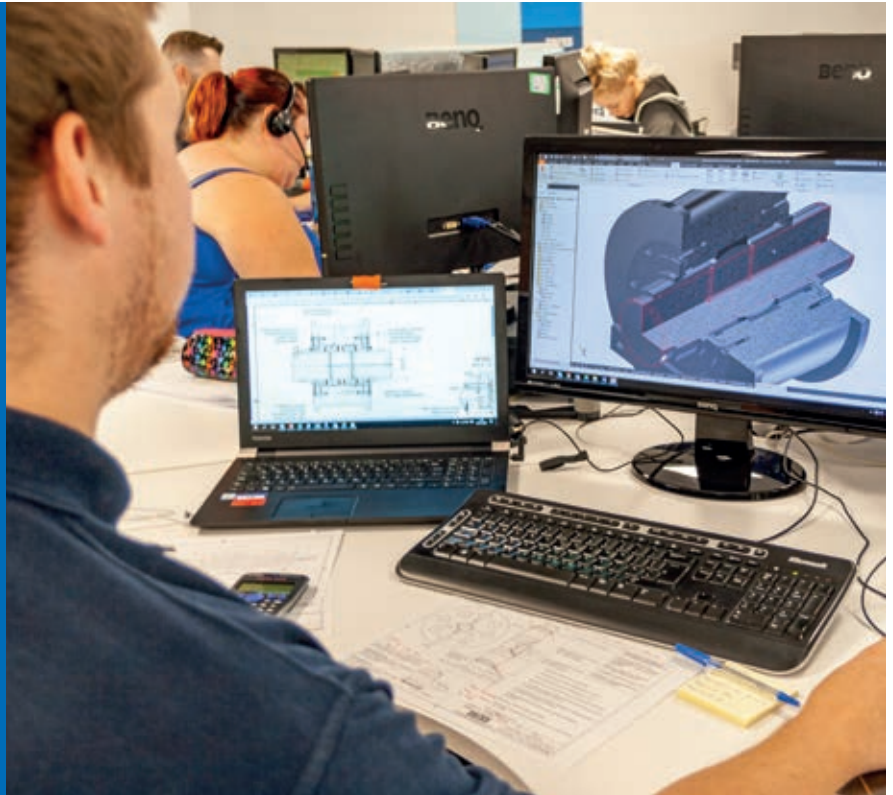
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# WE MAKE BEARINGS & LUBRICATION WORK BETTER

## LOGISTICAL SOLUTIONS DESIGNED FOR YOU

We have over £5 million of stock prepared for same day delivery, and a further £150 million available for next day. This capability enables us to provide the most efficient and reliable nationwide supply chain possible.

Our expertise, coupled with an experienced team of in-house technical experts, allows us to not only identify failures, but isolate the cause, propose a solution and, if required, design and install bespoke applications.



### ROTARY BEARINGS

Thanks to our strong partner relationships, we have the capabilities to source, stock and supply quality parts from the leading manufacturers in the industry. From plain to rolling element bearings, we have access to what you need, when you need it, all backed up with unrivalled technical expertise.



### LINEAR BEARINGS

Dedicated resources from leading suppliers in linear motion enables us to source and supply a variety of products – from ball bushings and bearings to various ancillary products – differing in size and type, enhanced by unparalleled technical knowledge.



### LUBRICATION

Bringing together a team of lubrication engineers, substantial stock holding from leading brands and a dedicated network of national Service Centres, we can provide you with the knowledge to choose the right lubricant, the right lubrication regime and the right dispensing method.





## WHY SOURCE FROM AN AUTHORISED DISTRIBUTOR?

The short answer, total peace of mind with full manufacturer support, warranty and guaranteed genuine products and parts. Only by dealing with an Authorised Distributor, such as ERIKS, do you get the following advantages:

- Full traceability
- Avoidance of counterfeit bearings
- Availability
- Full technical support
- Access to the latest technological developments



## ERIKS LUBRICATION ESSENTIALS

There are two common problems in lubricant supply – too many products, and too many products that do the same thing.

Containing 50 of the most proven and popular products, the ERIKS Lubrication Essentials has been designed to meet the most varied industry applications imaginable. This core hand-picked range has been specially chosen by our Lubrication Engineers thanks to its superior performance, compliance and excellent stock availability.



# MORE THAN THE SUM OF THE PARTS



### MORE QUICKLY

Our Service Centres, Technical Centres and Regional Hubs have been strategically placed to ensure the services and products you require are there when you need them most.

- Over £5m of bearings in stock for same-day delivery
- £150m of stock available for next-day delivery
- Efficient, reliable, nationwide supply chain



### MORE SUPPORT

As an Authorised Distributor for many leading bearing and lubrication brands, ERIKS will ensure you receive comprehensive support for your purchases. This includes:

- Full manufacturer support
- Full manufacturer warranty
- Guaranteed genuine products
- Full traceability
- Counterfeit protection
- Enhanced availability
- Full technical support
- Access to the latest bearings and lubrication technology developments



### MORE KNOW-HOW

The ERIKS Technology Centre is staffed by an experienced team of technical experts, including Application Engineers and Design Engineers. So rather than simply providing products, we can provide expertise and know-how that can:

- Identify a failure
- Isolate the cause
- Propose a solution
- Design and install bespoke applications if required.

# HOW WE MAKE BEARINGS & LUBRICATION WORK BETTER

## POSITIVELY IMPACTING THE TOTAL COST OF YOUR BEARINGS

Bearings are essential components of countless critical assets. Yet more than 60% of bearings fail prematurely. Fast replacement capability is essential in the short-term.

In the long-term, so is finding and resolving the causes of failure in order to:

- Increase reliability
- Optimise efficiency
- Maximise performance and productivity

**That's why your local ERIKS Bearing and Lubrication Technology Centre works hard for you, to make bearings work better for you.**





## THE SERVICES YOU EXPECT

### Application Engineering

Bearing-related issues can have a negative effect on production. Our Application Engineers can help you improve a bearing's performance and reliability for its complete lifecycle – to give you the lowest possible Total Cost of Ownership.

### Design and Product Engineering

With the expertise to identify the root cause of bearing problems, our Design and Product Engineers can advise on geometry, bespoke housings, optimal bearing arrangements and mating components redesign.

### Lubrication as a Service

Unless a bearing is lubricated for life, effective lubrication with the right lubricant is essential in order to optimise performance, reliability and a lower TCO.

ERIKS lubrication as a service offers a full spectrum of lubrication support tailored to suit your needs from:

- Lubrication survey
- Installation of single-point lubricators
- Lubrication rate setting
- Period checks

to a full service including:

- Installation of automated lubricators
- Manual lubrication – as and when required
- Lubricant supply

### Reliability Services

Understanding that no matter how much you take care of your bearings they will eventually need to be replaced, our engineers can assist you in identifying stressed bearings in advance, ensuring that you optimise your reliability and address failing bearings before they fail catastrophically.

Our Condition Monitoring teams that have the capabilities to carry out:

- Condition Monitoring of stand-alone, motor, pump and gearbox bearings
- Vibration Analysis
- Results trending
- Status Monitoring
- Lubrication Analysis

We also understand that even the right bearings can fail prematurely or under-perform if they're incorrectly installed. Our engineers can provide expert advice on installation – and removal.

### Training

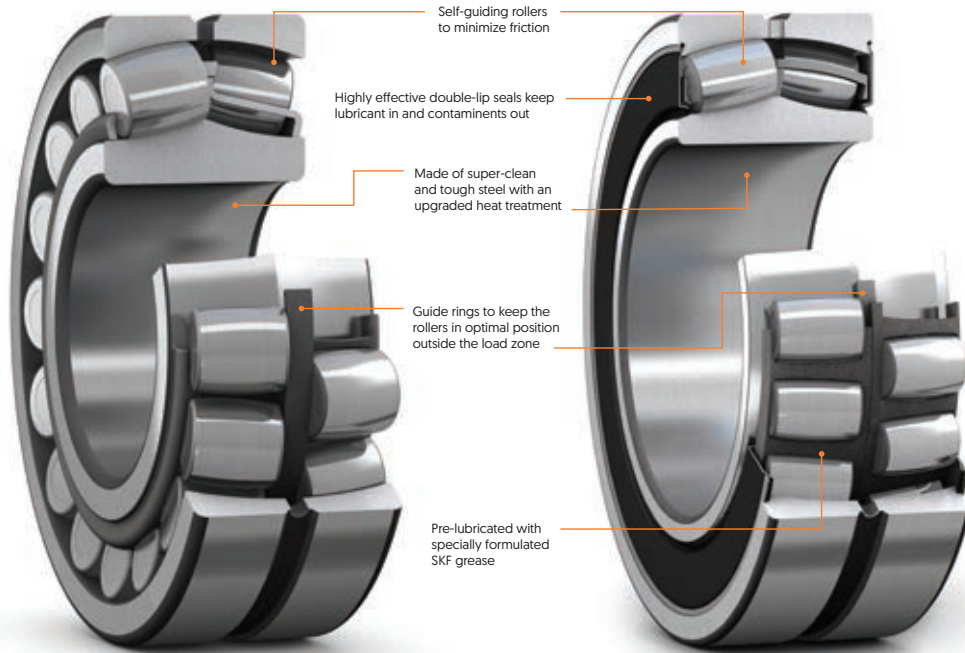
ERIKS offers a programme of practical and modular training courses on bearings and lubrication from how to store bearings to installation and maintenance – at your site or local ERIKS Service Centre.



## SKF Explorer Spherical Roller Bearings

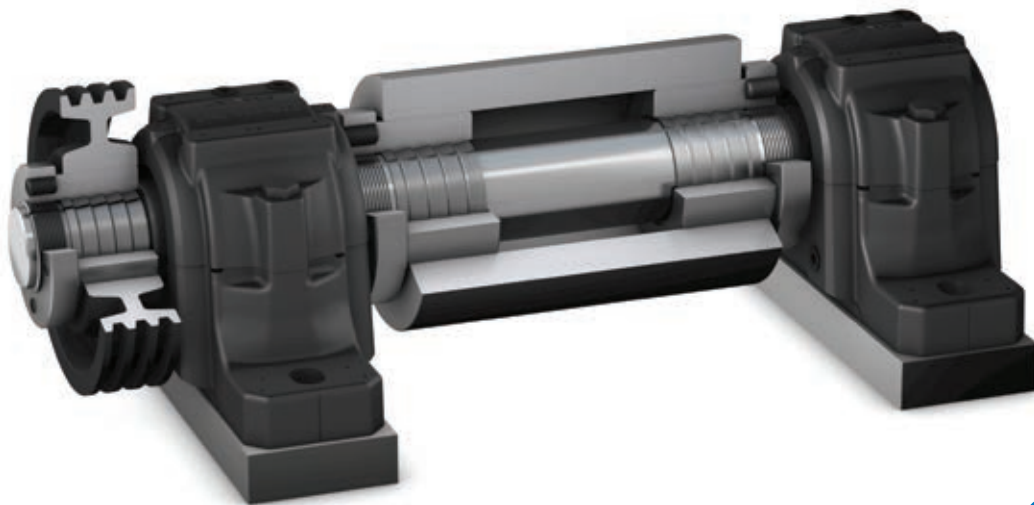
Open bearing

Sealed bearing



## Upgraded SNL Bearing Housings

NEW



SKF®



## SKF Explorer Spherical Roller Bearings



By design, SKF spherical roller bearings can accommodate very heavy radial and heavy axial loads in applications prone to misalignment or shaft deflections. In particular, SKF Explorer spherical roller bearings have proven to be so robust that they can last several times longer than other spherical roller bearings.

All SKF Explorer spherical roller bearings have been upgraded to a new level of performance, featuring a combination of high-quality steel and an improved heat treatment. Upgraded bearings provide longer service life, particularly in applications where there are high levels of contamination or poor lubrication conditions.

PART NO	ID [MM]	OD [MM]	WIDTH [MM]
22205E	25	52	18
22210E	50	90	23
22215E	75	130	31



### Sealed SKF Explorer Spherical Roller Bearings

Sealed bearings have the same features and basic design as open bearings, but are equipped with contact seals fitted in recesses in the outer ring.

The bearings are supplied lubricated with a high-performance SKF grease. For many application conditions, the bearings do not require relubrication and can be considered virtually maintenance-free. The effective contact seals keep lubricant in and contaminants out of the bearing, to significantly increase service life in applications where there are high levels of contamination.



PART NO	ID [MM]	OD [MM]	WIDTH [MM]
BS2-2205-2RS/VT143	25	52	18
BS2-2210-2RS/VT143	50	90	28
BS2-2215-2RS/VT143	75	130	38

### SKF Spherical Roller Bearings for Vibratory Applications

VA405 spherical roller bearings for vibrating screens are proven to last twice as long as other screen bearings and operate at much cooler temperatures. This helps lower maintenance and repair costs, reduce downtime and improve safety.

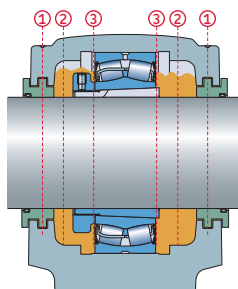
VA406 spherical roller bearings provide all the same benefits as VA405 bearings, plus they feature a PTFE coated bore which virtually eliminates fretting corrosion between the shaft and the bearing bore. This helps extend maintenance intervals and reduce associated labour costs.



PART NO	ID [MM]	OD [MM]	WIDTH [MM]
22310 E/VA405	50	110	40
22315 EJA/VA405	75	160	55
22320 EJA/VA405	100	215	73

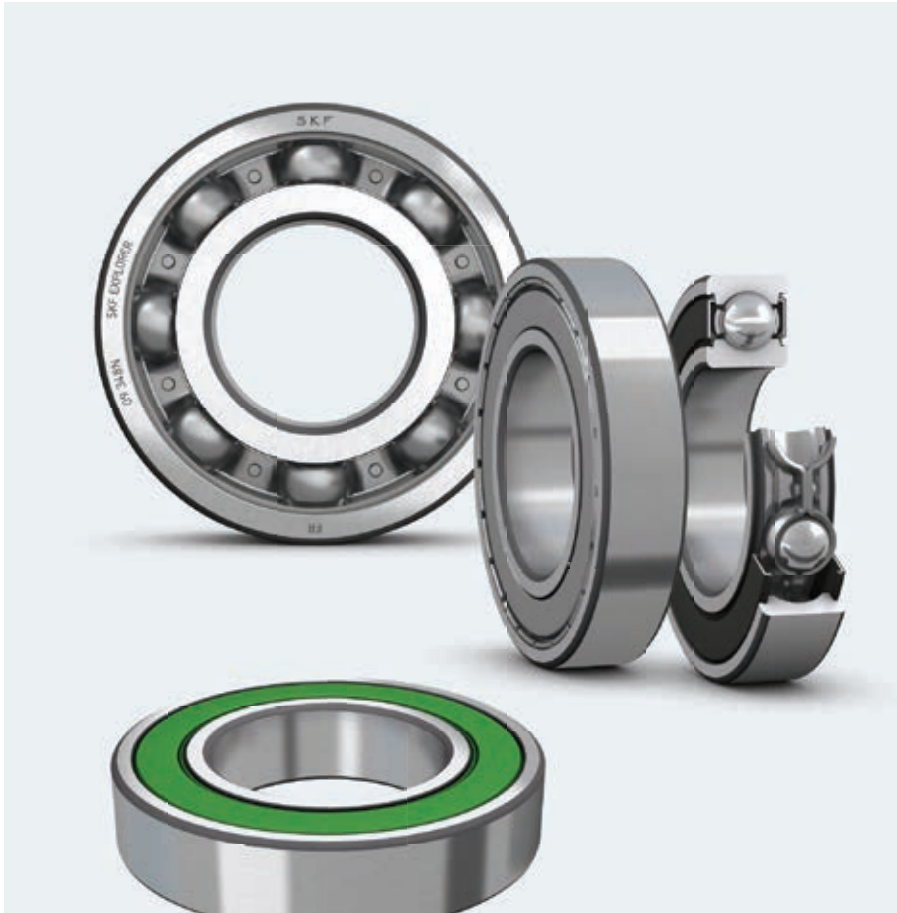
### SKF Three-Barrier Solution

- For heavily contaminated environments, SKF recommends the SKF Three-Barrier Solution, as contaminants must pass through three barriers (external seal, housing grease fill and bearing seal) to reach the bearing
- The SKF Three-Barrier Solution extends bearing service life without the use of large quantities of grease to purge contamination



- Sealed SKF Explorer spherical roller bearing
- SNL split plummer block housing
- Standard SKF L or S-type seals for SNL housings
- SKF LGGB2 biodegradable or LGEP2 as the barrier grease

COMPLETE KIT	SHAFT DIAMETER [MM]
SAF B22522 HTLC	100
SAF B22524 HTLC	110
SAF B22526 HTLC	115



# Tried, tested and trusted

## SKF Explorer deep groove ball bearings: The right choice for high-performance systems

SKF Explorer deep groove ball bearings run more smoothly, more quietly, at cooler temperatures, and for longer than typical deep groove ball bearings.

Made from fatigue-resistant SKF-specified steel and with the capacity to handle greater loads, SKF offers you a high performing solution that's available off-the-shelf, but is versatile enough to be used in many different applications.

Ball bearing seals are a key factor in durability, so SKF has also extended the size range of its unique RSH seals. These are designed to provide excellent sealing efficiency, as well as improve grease retention, and exclude water and contaminants, reducing maintenance costs and helping your machine run longer.



Request your **NEW**  
1,152-page catalogue today!

[skf.co.uk](http://skf.co.uk)

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**SKF**®



## Sealed SKF Explorer Deep Groove Ball Bearings

NEW



SKF Explorer deep groove ball bearings run more smoothly, more quietly, at cooler temperatures, and for longer than typical deep groove ball bearings. SKF specified steel has a higher resistance to fatigue and the capacity to handle greater loads.

Ball bearing seals are a key factor in durability, and that's why SKF has extended its range of sizes available with its unique RSH seals, reducing maintenance costs and helping your machine run longer. RSH seals are designed to provide excellent sealing efficiency, as well as improve grease retention, and provide greater exclusion to water and contaminants.

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
6000-2RSH	10	26	8
6200-2RSH	10	30	9
6300-2RSH	10	35	11



### Low Friction SKF Explorer Deep Groove Ball Bearings

Low friction bearings reduce frictional losses in a bearing by 30% or more when compared to SKF standard bearings.

Designed for grease lubrication, light to normal load applications, low friction bearings also enable longer bearing service life and are designed to improve application efficiency by reducing bearing power losses.

#### Shielded E2 Bearings

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
E2.625-2Z	5	16	5
E2.6000-2Z	10	26	8
E2.6004-2Z	20	42	12



#### Sealed E2 Bearings

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
E2.626-2RSH	6	19	6
E2.6000-2RSH	10	26	8
E2.6002-2RSH	15	32	9



### SKF Explorer Single Row Angular Contact Ball Bearings

These improved bearings offer faster speeds, improved robustness and optimised reliability.

Featuring a redesigned brass cage, the new 40° contact angle bearings significantly increase the limiting speed up to 30% compared to the previous design. In addition, a new contact angle of 25° is also offered, giving the bearing a further 20% increase in speed over that of the 40° version. Sealed variants are also available for applications that may be more difficult to maintain.

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
7200 BEP	10	30	9
7202 BEP	15	35	11
7304 BEP	20	52	15



NEW

### SKF Corrosion Resistant Deep Groove Ball Bearings

These bearings are manufactured to both withstand tough application requirements and to be the first choice when moisture or corrosive materials are present.

The bearings are available open or capped (with seals or shields) and with or without a flange. They are also very versatile since the sealed versions can be supplied with different greases as well as seals from different materials.

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
W 605	5	14	5
W 6000	10	26	8
W 6002	15	32	9



NEW

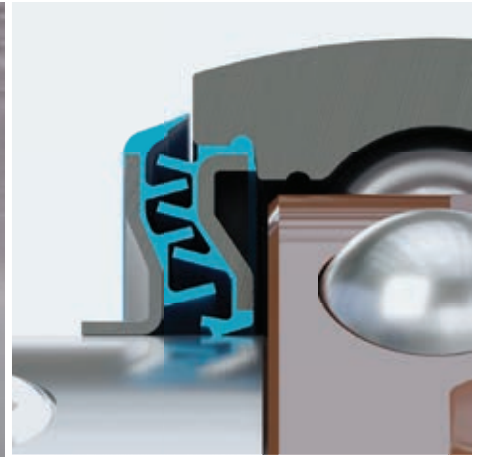
### INSOCOAT Bearings

Whenever an electric current passes through rolling bearings there is a potential threat to the reliability of your machines. Electrical erosion can damage and degrade bearings in traction motors, electric motors and generators, leading to costly downtime and unplanned maintenance.

This latest generation raises the performance standard, offering a higher level of reliability and uptime for electrical applications, even in the most challenging environments such as high humidity.

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
6314/C3VL0241	70	150	35
6216/C3VL0241	80	140	26
6220/C3VL0241	100	180	34





# Rethinking food safety

## SKF Food Line ball bearing units - Blue Range: Proactive food safety

For food producers, hygiene and proactive food safety take top priority in asset design. However, bearings can be a potential source of serious food contamination.

SKF, with microbiology experts from RISE (Research Institutes of Sweden), have discovered that bacterial contamination can build up inside bearing units during operation, and even during hygienic cleaning.

If bacteria can get in, they can also get out! The answer is a hygienically-designed, fully sealed bearing unit.

The new SKF Food Line ball bearing units - Blue Range is a relubrication-free solution that supports your proactive food safety processes. Sealed from both sides and filled with allergen-free grease, they allow you to actively reduce food safety risks by combining hygienic design, relubrication-free technology, corrosion resistance and food grade components. Coming from SKF, they also provide outstanding bearing performance!



Request your NEW  
124-page catalogue today!

Food safety risks: <https://ter.li/video>

The solution: <https://ter.li/catalogue>

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# SKF®



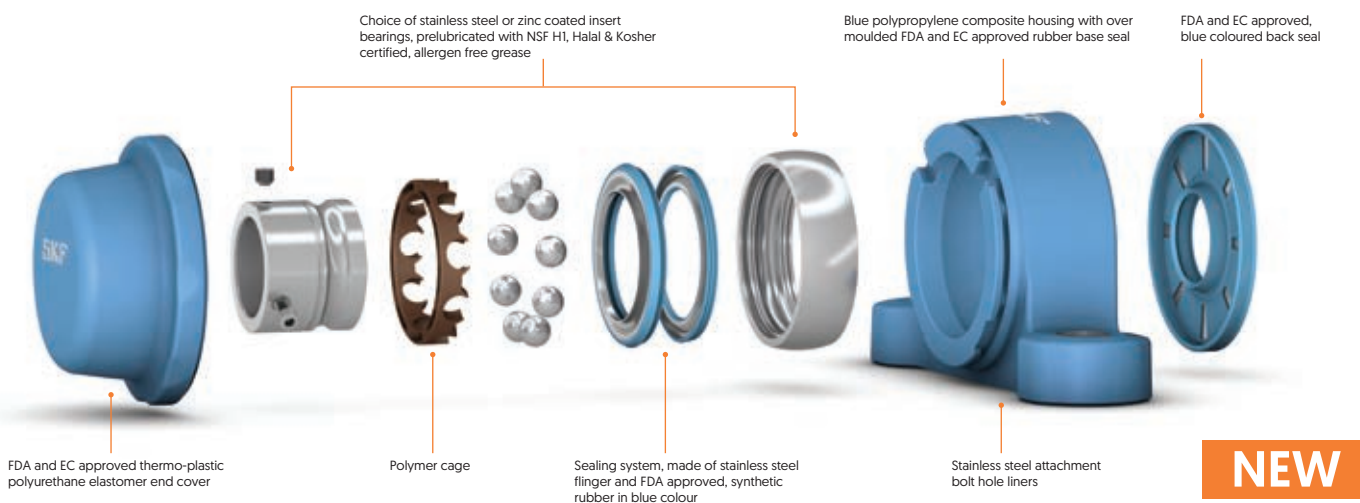


# SKF Food Line Ball Bearing Units – Blue Range



With food recalls on the rise and safety regulations becoming stricter across the globe, proactive food safety programs have become the norm. As a result, companies must incorporate the latest advancements in hygienic design into all of your food processing assets – while also supporting your most critical goals around performance, cost and sustainability.

The SKF Food Line ball bearing units – Blue Range have been developed to offer a complete range of hygienic and high-performance bearing unit solutions for the most demanding food and beverage environments. Specially developed to help eliminate contaminants and to reduce the spread of bacteria, they provide a solution to many food safety issues. Lubricated for life and designed to withstand frequent washdowns, the new bearing units also solve many of the problems connected with traditional maintenance.



**Base seal:** When mounted, the periphery of an over-moulded rubber deforms to provide a tight base seal to the mounting frame.

**Back seal:** Seals statically against the housing and dynamically against the shaft, preventing process material from entering the bearing cavity from the back.

**Housing:** Helps to eliminate crevices or recesses where soiling and bacteria might accumulate, including filled base.

**End cover:** Effectively seals the unit off, while a patented locking mechanism prevents it from accidentally dislodging.

**Relubrication-free:** Helps to eliminate excess grease accumulation in end covers where bacteria can grow when exposed to processing material and liquids.

**Angled surfaces:** Promote self-draining and deter soiling, regardless of mounting orientation.

**Extremely smooth surface finish:** Provides high cleanability, comparable to the internal surface finish on hygienic tubing and piping.

**No excess grease:** Eliminates the risk of infected bearing grease spreading towards the food zone during pressure wash.

PART NO	END COVER	OD (MM)	WIDTH (MM)
F4BC20M-CPSS-DFH	ECB 504	20	27
F4BC25M-CPSS-DFH	ECB 505	25	29
F4BC30M-CPSS-DFH	ECB 506	30	33



Plummer block

Oval flange

Short base plummer block

Square flanged

3-bolt flanged

Take-up

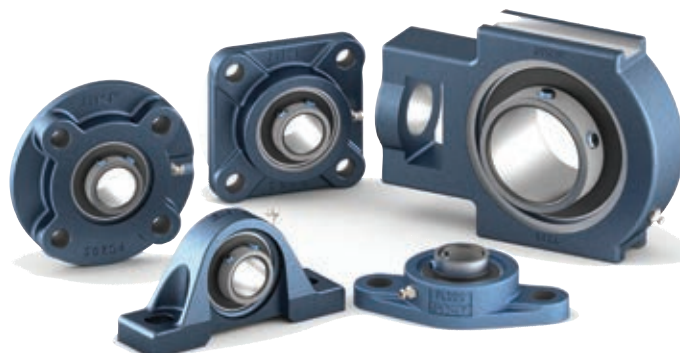
## SKF Ball Bearing Units, UC Range



These Japanese Industrial Standards (JIS) compliant ball bearing units are supplied as standard with two types of locking systems, a well proven sealing design and superior machined features.

UC bearing units offer high levels of protection against contaminants due to a well proven sealing system, which comprises an integral single-lip inner seal and an external deflector fitted to the inner ring. In addition, the units are designed with a 120° angled grub screw locking system for applications that require an even more precise shaft balance at higher speeds, or where vibration may be an issue.

PART NO	ID (MM)	WIDTH (MM)
UCH 204	20	33.3
UCH 205	25	35.7
UCH 206	30	40.2



**NEW**

### Low Friction SKF Ball Bearing Units

These lightweight, cost-effective and ready-to-mount units are particularly well suited for applications where high speeds, moderate loads, reliability and minimal maintenance are all key parameters.

The units can be optimised for specific applications and conditions, helping customers reduce energy use and total cost of ownership.



PART NO	ID (MM)	WIDTH (MM)
SYK 20 FE	20	32
SYK 25 FE	25	32
SYK 30 FE	30	40

### SKF High Temperature Ball Bearing Units

Standard bearing units operating in high temperature applications can be unreliable due to premature failure. The result is high costs and time wasted on frequent replacements.

SKF high temperature Y-bearing units incorporate a graphite-based lubrication, eliminating the use of grease and oil, and are designed for trouble-free operation at temperatures up to 350°C.



PART NO	ID (MM)	WIDTH (MM)
SY 20 TF/VA228	20	32
SY 30 TF/VA228	30	40
SY 40 TF/VA228	40	48

## SKF and PEER Agri Hubs

### Agri Hubs for independent tillage discs

Suitable for virtually any agricultural implement arm, these hubs feature a flanged outer ring that is pre-drilled and tapped to accommodate a disc. A stationary inner ring fitted with a threaded stub shaft helps ensure fast, easy mounting.

### Agri Hubs for seeding discs

These fully integrated hubs feature a robust, five-lip seal plus a double-row deep groove ball bearing and a metalsheet flange. The advanced seal design protects against solid contaminants, and has different profiles for different operating conditions.



### Agri Hubs for strip tillage and combined seeding machine discs

Featuring a robust seal and a compact design, this cost-effective variant has been optimised to handle strip tillage, light tillage and heavy seeding applications. Like all Agri Hubs this is a fully integrated solution, greased and sealed for life.

### Agri Hubs for harsh tillage

This heavy-duty hub connects disc harrow arms to larger diameter tillage discs (>610 mm). By combining larger components and a unique sealing system, service life is increased by up to two times, while eliminating the need to relubricate after each use.

PART NO	OD (MM)	WIDTH (MM)
HUB-30MM-X-ASSY-A577	120	104
HUB-35MM-X-ASSY-A243	178	116
HUB-40MM-X-ASSY-A436	178	111

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## SKF Cooper Split Bearings



Split bearings are the ideal solution to reduce machinery maintenance and repair downtime. The advantages are especially valuable in inaccessible or trapped locations, for example, between head pulley and gearbox or motor, where the need to dismount associated equipment is eliminated.

Split bearings disassemble into smaller components easing the tasks of lifting and handling and making mounting or replacement simple, even in the most cramped and inaccessible conditions. Clearances are pre-set, so no on-site adjustment is needed and no specialised fitting tools are required.

SKF Cooper provides the widest assortment on the market. It includes four series of cylindrical roller bearings, two types of split tapered roller bearings, and new split spherical roller bearings.

The standard assortment is available for bore sizes from 30 to 1,500 mm.

**NEW**

PART NO	SHAFT DIAMETER (MM)	WIDTH (MM)
100 300	75	48
100 400	100	65
100 500	125	85



## Upgraded SNL Housing

SKF has developed an SNL housing solution that combines high machining quality and optimised design for superior customer value. SNL housings enable the incorporated bearings to achieve maximum service life with lower maintenance.

Different housing variants and seal designs are available, making the use of bespoke housings virtually unnecessary and enabling cost-effective bearing arrangements. SNL housings keep their round shape even during operation where loads and vibrations are present. This delivers up to 25% increased bearing life, offering you increased uptime, improved productivity and greater safety.

PART NO	SHAFT DIAMETER (MM)	WIDTH (MM)
SNL 505	20	67
SNL 506-605	25	77
SNL 507-606	30	82

**NEW**

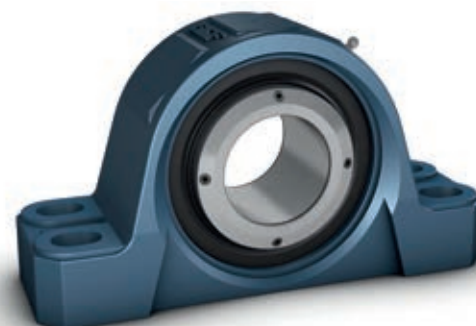


## SKF ConCentra Roller Bearing Units

These are robust, ready-to-mount units that are assembled, lubricated and sealed at the factory ready for instant use. With their quick and simple installation, easy alignment and reliable locking technology, they are an excellent alternative to adapter sleeve-mounted bearings in split housings.

Available in two non-split housing series: a plummer block housing in the SYNT series and a flanged housing in the FYNT series.

PART NO	SHAFT DIAMETER (MM)	WIDTH (MM)	HEIGHT (MM)
SYNT 35 F	35	65	111
SYNT 40 F	40	65	114
SYNT 45 F	45	65	118



# THREE LETTERS. TOTAL QUALITY.

NSK sets many things in motion – for example in the industrial gearbox industry. As a leading global manufacturer of rolling bearings, NSK combines 100 years of success and a total quality approach.



MOTION & CONTROL

**NSK**

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## Deep Groove Ball Bearings

NSK is the world leader in the manufacture of deep groove ball bearings, with manufacturing plants globally and in particular Europe. NSK invests heavily into continued research and development to ensure the needs of our customers are adhered to now and in the future.

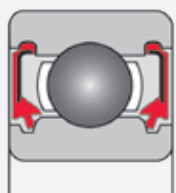
Suitable for a wide variety of applications including gearboxes, washing machines, vacuum cleaners, electric motors, pumps, compressors, computers, conveyors and even skateboards.

NSK's deep groove ball bearings offer the following:-

- Made from Z Steel which increases the bearing life by up to 80%
- Precision steel balls, coined cage pockets and both raceways super finished delivering ultra-quiet operation
- Superior quality grade lubricants in a variety of different temperature ranges resulting in low starting torque and extended service life
- A range of radial internal clearance grades including the unique CM [standard clearance to electric motor specification] and the popular C3
- Available in bore sizes from 1mm up to 800mm
- Available in a variety of enclosures, including the patented labyrinth DDU rubber seal offering superb sealed for life features, DDW light-contact seals, VV non-contact and ZZ metal shields seals as shown below

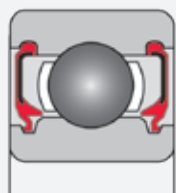


### NSK seals and shields



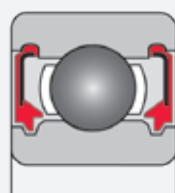
#### DU Seal (Full Contact)

- Maximum Sealing Protection



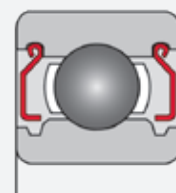
#### DW Seal (Light Contact)

- Excellent Contaminant Protection
- 1/3 Less Drag than Full Contact Seal



#### V Seal (Non-Contact)

- Low Torque
- High Speed Limit
- Contaminant Protection

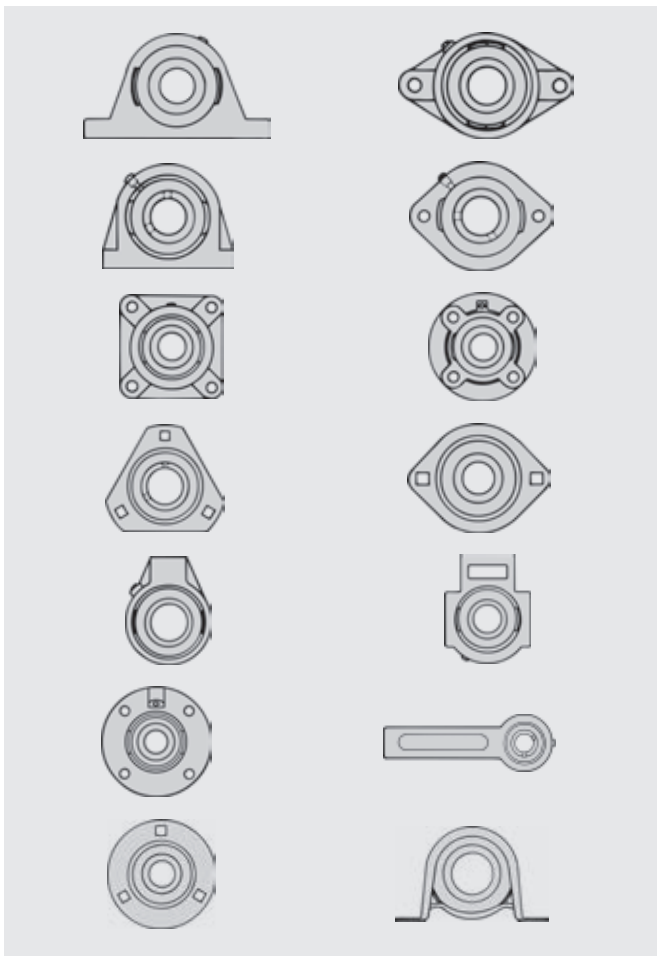


#### Z Shield (Metal Shield)

- Low Torque
- High Temperature Limit
- High Speed Limit

# Self-Lube® Bearings

RHP bearings



RHP Self-Lube® housed bearing units offer flexibility with the capability of accommodating moderate misalignment and can be adapted to a huge number of applications using a range of inserts, housings, sealing and lubrication solutions as shown below.

## SEALING ARRANGEMENTS



**Moulded nitrile lip** bonded to strong seal pressing secured in the bearing outer ring.

Suitable for a large range of applications.

Example part number is 1020-20G.



The **flinger seal** has a nitrile moulded lip bonded to a steel former, which is pressed onto the bearing inner ring. Extra seal gives added protection compared to standard seal to extend the bearing life in arduous conditions without any loss in speed capability. Example part number is 1020-20GFS.



**Triple lip seal** consists of a one piece nitrile moulding with three sealing lips bonded to a steel pressing. Recommended where there is a high degree of contamination with a restriction in speed rating. Example part number is T1020-20G.

## LOCKING TYPES



Locking arrangements consists of two knurled-cup point set screws fitted in the extended inner ring which can be tightened down onto the shaft. This simple locking system is suitable for most applications except where vibration is an issue. Example part number is SF25.



Consists of an eccentric diameter formed on the extended inner ring of the bearing which engages an eccentric diameter in the bore of the separate collar. This collar is then locked into position on the shaft with a knurled-cup point set screw. Often used when vibration is an issue. Example part number is SF25EC or SF25DEC.



Locking arrangement consists of a standard taper adaptor sleeve, locknut and lock washer. Recommend where a positive concentric lock is required, heavy vibration and/or shock load is present. Example part number is MSF10205-25K.

## Grease Types

- **Standard** - High quality mineral oil based grease suitable for high load, medium speed applications. Temperature range: -20° to +110°C
- **HLT** - high quality grease with temperature resistant silicone seals suitable for high and low ranges. Temperature range -40°C to +180°C
- **Silver-Lube** - approved for food grade grease to NSF H1 standard. Temperature range: -20°C to +90°C
- **Molded-Oil™** - Optimum lubrication held in a solid polyolefin matrix and sealed for life. Temperature range: -15°C to +80°C





# Housings

MOTION & CONTROL™  
**NSK**

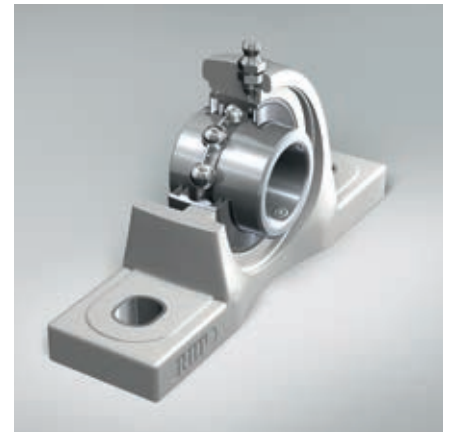
## Standard Housings - Cast Iron

FEATURES	BENEFITS
High grade cast iron	Elimination of housing defects and premature failures
Designed for exceptional strength	High strength in all mounting orientations
Extensive range of housing types available	Offering comprehensive solutions for a variety of applications
Well established and proven design	Provides end user with confidence in critical applications



## Special Housings - Silver-Lube® Corrosion Resistant Housings

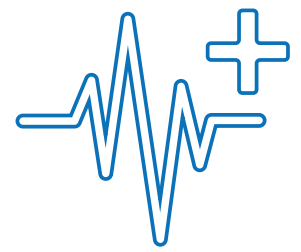
FEATURES	BENEFITS
Housings manufactured in PBT thermoplastic resin	Smooth surface resists fungicidal growth and aggregation of food particles
Stainless steel grease nipple and bolt hole liners	Corrosion resistant, ideal for frequent washdowns
Plastic end covers available	Additional protection for the bearing and an aid to safety requirements
Stainless steel inserts have aluminium complex, high temperature, approved food grade grease as standard	Suitable for food applications
Available in PNP, PSF, PSFT and PST style housings from 20mm to 40mm bore sizes	Housing types available are the most used styles in this industry



## Special Housings - Life-Lube® Bearing Units

FEATURES	BENEFITS
Housings manufactured in PBT thermoplastic resin	Smooth surface resists fungicidal growth and aggregation of food particles
Fully interchangeable with RHP Self-Lube® units	Corrosion resistant and resistant to chemical attack
Molded-Oil™ insert manufactured in Martensitic stainless steel with solid lubrication	Lubrication will not wash out during frequent washdowns
Molded-Oil™ inserts available from 20mm to 50mm bore sizes	No need to re-lubricate and easy to retrofit





# Reliability Services

## Monitor, check, trend, improve and control

- Status checking, alarming, trending and measuring consumption
- Condition monitoring, vibration, thermo, acoustic
- Optimise asset availability and mitigate risk exposure
- Maximise plant reliability and optimise productivity
- Reduce required compliance activity and improve health and safety
- Enable smarter interactions



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# Radial Ball Bearings

Timken radial ball bearings consist of an inner and outer ring with a cage containing a complement of precision balls.

The standard Conrad-type bearing has a deep groove construction capable of handling radial and axial loads from either direction in versatile designs that permit relatively high-speed operation.



SERIES	BASE	OPEN	OPEN C3 C3	2 RUBBER SEALS 2RS	2 RUBBER SEALS 2RS C3	2 METAL SHIELDS ZZ	2 METAL SHIELDS ZZ C3
<b>6000 Series</b>	6000	6000-TIMKEN	6000C3-TIMKEN	60002RS-TIMKEN	60002RSC3-TIMKEN	6000ZZ-TIMKEN	6000ZZC3-TIMKEN
	6001	6001-TIMKEN	6001C3-TIMKEN	60012RS-TIMKEN	60012RSC3-TIMKEN	6001ZZ-TIMKEN	6001ZZC3-TIMKEN
	6002	6002-TIMKEN	6002C3-TIMKEN	60022RS-TIMKEN	60022RSC3-TIMKEN	6002ZZ-TIMKEN	6002ZZC3-TIMKEN
	6003	6003-TIMKEN	6003C3-TIMKEN	60032RS-TIMKEN	60032RSC3-TIMKEN	6003ZZ-TIMKEN	6003ZZC3-TIMKEN
	6004	6004-TIMKEN	6004C3-TIMKEN	60042RS-TIMKEN	60042RSC3-TIMKEN	6004ZZ-TIMKEN	6004ZZC3-TIMKEN
	6005	6005-TIMKEN	6005C3-TIMKEN	60052RS-TIMKEN	60052RSC3-TIMKEN	6005ZZ-TIMKEN	6005ZZC3-TIMKEN
	6006	6006-TIMKEN	6006C3-TIMKEN	60062RS-TIMKEN	60062RSC3-TIMKEN	6006ZZ-TIMKEN	6006ZZC3-TIMKEN
	6007	6007-TIMKEN	6007C3-TIMKEN	60072RS-TIMKEN	60072RSC3-TIMKEN	6007ZZ-TIMKEN	6007ZZC3-TIMKEN
	6008	6008-TIMKEN	6008C3-TIMKEN	60082RS-TIMKEN	60082RSC3-TIMKEN	6008ZZ-TIMKEN	6008ZZC3-TIMKEN
	6009	6009-TIMKEN	6009C3-TIMKEN	60092RS-TIMKEN	60092RSC3-TIMKEN	6009ZZ-TIMKEN	6009ZZC3-TIMKEN
	6010	6010-TIMKEN	6010C3-TIMKEN	60102RS-TIMKEN	60102RSC3-TIMKEN	6010ZZ-TIMKEN	6010ZZC3-TIMKEN
	6011	6011-TIMKEN	6011C3-TIMKEN	60112RS-TIMKEN	60112RSC3-TIMKEN	6011ZZ-TIMKEN	6011ZZC3-TIMKEN
	6012	6012-TIMKEN	6012C3-TIMKEN	60122RS-TIMKEN	60122RSC3-TIMKEN	6012ZZ-TIMKEN	6012ZZC3-TIMKEN
	6013	-	-	60132RS-TIMKEN	60132RSC3-TIMKEN	-	-
	6014	-	-	60142RS-TIMKEN	60142RSC3-TIMKEN	-	-
	6015	-	-	60152RS-TIMKEN	60152RSC3-TIMKEN	-	-
	6016	-	-	60162RS-TIMKEN	60162RSC3-TIMKEN	-	-
6017	-	-	-	60172RSC3-TIMKEN	-	-	
<b>6200 Series</b>	6200	6200-TIMKEN	6200C3-TIMKEN	62002RS-TIMKEN	62002RSC3-TIMKEN	6200ZZ-TIMKEN	6200ZZC3-TIMKEN
	6201	6201-TIMKEN	6201C3-TIMKEN	62012RS-TIMKEN	-	6201ZZ-TIMKEN	6201ZZC3-TIMKEN
	6202	6202-TIMKEN	6202C3-TIMKEN	62022RS-TIMKEN	62022RSC3-TIMKEN	6202ZZ-TIMKEN	6202ZZC3-TIMKEN
	6203	6203-TIMKEN	6203C3-TIMKEN	62032RS-TIMKEN	62032RSC3-TIMKEN	6203ZZ-TIMKEN	6203ZZC3-TIMKEN
	6204	6204-TIMKEN	6204C3-TIMKEN	62042RS-TIMKEN	62042RSC3-TIMKEN	6204ZZ-TIMKEN	6204ZZC3-TIMKEN
	6205	6205-TIMKEN	6205C3-TIMKEN	62052RS-TIMKEN	62052RSC3-TIMKEN	6205ZZ-TIMKEN	6205ZZC3-TIMKEN
	6206	6206-TIMKEN	6206C3-TIMKEN	62062RS-TIMKEN	62062RSC3-TIMKEN	6206ZZ-TIMKEN	6206ZZC3-TIMKEN
	6207	6207-TIMKEN	6207C3-TIMKEN	62072RS-TIMKEN	62072RSC3-TIMKEN	6207ZZ-TIMKEN	6207ZZC3-TIMKEN
	6208	6208-TIMKEN	6208C3-TIMKEN	62082RS-TIMKEN	62082RSC3-TIMKEN	6208ZZ-TIMKEN	6208ZZC3-TIMKEN
	6209	6209-TIMKEN	6209C3-TIMKEN	62092RS-TIMKEN	62092RSC3-TIMKEN	6209ZZ-TIMKEN	6209ZZC3-TIMKEN
	6210	6210-TIMKEN	6210C3-TIMKEN	62102RS-TIMKEN	62102RSC3-TIMKEN	6210ZZ-TIMKEN	6210ZZC3-TIMKEN
	6211	6211-TIMKEN	6211C3-TIMKEN	62112RS-TIMKEN	62112RSC3-TIMKEN	6211ZZ-TIMKEN	6211ZZC3-TIMKEN
	6212	6212-TIMKEN	6212C3-TIMKEN	62122RS-TIMKEN	62122RSC3-TIMKEN	6212ZZ-TIMKEN	6212ZZC3-TIMKEN
	6213	-	-	62132RS-TIMKEN	62132RSC3-TIMKEN	-	-
	<b>6300 Series</b>	6300	6300-TIMKEN	6300C3-TIMKEN	63002RS-TIMKEN	63002RSC3-TIMKEN	6300ZZ-TIMKEN
6301		6301-TIMKEN	6301C3-TIMKEN	63012RS-TIMKEN	63012RSC3-TIMKEN	6301ZZ-TIMKEN	6301ZZC3-TIMKEN
6302		6302-TIMKEN	6302C3-TIMKEN	63022RS-TIMKEN	63022RSC3-TIMKEN	6302ZZ-TIMKEN	6302ZZC3-TIMKEN
6303		6303-TIMKEN	6303C3-TIMKEN	63032RS-TIMKEN	63032RSC3-TIMKEN	6303ZZ-TIMKEN	6303ZZC3-TIMKEN
6304		6304-TIMKEN	6304C3-TIMKEN	63042RS-TIMKEN	63042RSC3-TIMKEN	6304ZZ-TIMKEN	6304ZZC3-TIMKEN
6305		6305-TIMKEN	6305C3-TIMKEN	63052RS-TIMKEN	63052RSC3-TIMKEN	6305ZZ-TIMKEN	6305ZZC3-TIMKEN
6306		6306-TIMKEN	6306C3-TIMKEN	63062RS-TIMKEN	63062RSC3-TIMKEN	6306ZZ-TIMKEN	6306ZZC3-TIMKEN
6307		6307-TIMKEN	6307C3-TIMKEN	63072RS-TIMKEN	63072RSC3-TIMKEN	6307ZZ-TIMKEN	6307ZZC3-TIMKEN
6308		6308-TIMKEN	6308C3-TIMKEN	63082RS-TIMKEN	63082RSC3-TIMKEN	6308ZZ-TIMKEN	6308ZZC3-TIMKEN
6309		6309-TIMKEN	6309C3-TIMKEN	63092RS-TIMKEN	63092RSC3-TIMKEN	6309ZZ-TIMKEN	6309ZZC3-TIMKEN
6310		6310-TIMKEN	6310C3-TIMKEN	63102RS-TIMKEN	63102RSC3-TIMKEN	6310ZZ-TIMKEN	6310ZZC3-TIMKEN
6311		6311-TIMKEN	6311C3-TIMKEN	63112RS-TIMKEN	63112RSC3-TIMKEN	6311ZZ-TIMKEN	6311ZZC3-TIMKEN
6312		6312-TIMKEN	6312C3-TIMKEN	63122RS-TIMKEN	63122RSC3-TIMKEN	6312ZZ-TIMKEN	6312ZZC3-TIMKEN
<b>Miniature</b>	607	-	-	6072RS-TIMKEN	6072RSC3-TIMKEN	607ZZ-TIMKEN	607ZZC3-TIMKEN
	608	608-TIMKEN	-	6082RS-TIMKEN	6082RSC3-TIMKEN	608ZZ-TIMKEN	608ZZC3-TIMKEN
	609	-	-	6092RS-TIMKEN	6092RSC3-TIMKEN	609ZZ-TIMKEN	609ZZC3-TIMKEN
	626	626-TIMKEN	-	6262RS-TIMKEN	6262RSC3-TIMKEN	626ZZ-TIMKEN	626ZZC3-TIMKEN
	627	627-TIMKEN	-	6272RS-TIMKEN	6272RSC3-TIMKEN	627ZZ-TIMKEN	627ZZC3-TIMKEN
	628	-	-	-	-	628ZZ-TIMKEN	-
	629	629-TIMKEN	-	6292RS-TIMKEN	6292RSC3-TIMKEN	629ZZ-TIMKEN	-

## Designed for the toughest conditions

### Tough bearings for tough jobs from Timken...

#### SPHERICAL ROLLER BEARING STEEL CAGE (EJ)



#### Size Range

25mm bore up to 400mm outside diameter

#### Design

Internal geometry and surface finishes optimised to maximise bearing performance and lower running temperature

#### Industries & Applications

Continuous casters  
Gear drives  
Cement  
Aggregate  
Mining and construction  
Oil and gas  
Pumps and compressors  
Air handling units  
Cranes, lifts and hoists

#### SPHERICAL ROLLER BEARING BRASS CAGE (EM, EMB)



#### Size Range

30mm to 1500mm bore size

#### Design

**EM type** feature precision-machined, roller-riding brass cages and are designed for harsh industrial environments

**EMB type** feature precision-machined land-riding one-piece brass cages, and are designed for applications requiring a larger bore size

#### Industries & Applications

**EM**  
Continuous casters  
Vibratory screens  
Gear drives  
**EMB**  
Continuous casters  
Gear drives  
Cement and aggregate  
Mining and construction  
Oil and gas  
Pumps and compressors

#### SPHERICAL ROLLER BEARING ACCESSORIES



#### Size Range

Available in sizes up to 900mm

#### Design

Adapter sleeves are used with a nut and locking device to simplify mounting a tapered bore bearing on a straight shaft using a pull-type fit

Withdrawal sleeves feature a push-type mounting arrangement and a locking device to secure a bearing to a shaft

#### Industries & Applications

Continuous casters  
Gear drives  
Cement  
Aggregate  
Mining and construction  
Oil and gas  
Air handling units

#### SNT PLUMMER BLOCKS



#### Size Range

20mm to 380mm bore size

#### Design

Durable cast-iron housing and robust sealing options to keep lubrication in and contamination out

Separate, matched caps and bases ease installation

Simply remove the cap using a pry-tool slot for bearing inspection, service and replacement

#### Industries & Applications

Gear drives  
Cement  
Aggregate  
Mining and construction  
Oil and gas  
Pumping and compressors  
Air handling units





### SAF PILLOW BLOCKS



#### Size Range

1.3/8 to 11.13/16 11" with special shaft sizes available up to 39.3/8" and beyond

#### Design

Rugged cast-iron or cast-steel housings with high capacity spherical roller bearings to meet the toughest demands of heavy industry

Split construction allows for easy assembly and disassembly

Multiple sealing options protect against contamination

#### Industries & Applications

Conveyors  
Mining applications  
Pulp and paper mills  
Rolling mills

### SPHERICAL ROLLER BEARING SOLID-BLOCK HOUSED UNITS

Formally QM Blue-Brute



#### Size Range

Shafts from 35 to 400mm [1.7/16" to 15.3/4"]

#### Design

Made with cast-steel housings and Timken high-performance spherical roller bearings, these are the only spherical roller bearing housed units to offer steel solid-block housings as standard

Can run on misaligned shafts up to  $\pm 1.5^\circ$  without a reduction in life expectancy

#### Industries & Applications

Metal mills  
Aggregate and cement  
Mining  
Power generation  
Pulp and paper  
Material conveying  
Sugar mills  
Agriculture  
Waste management  
Waste treatment  
HVAC, fans and blowers  
Cranes, lifts and hoists

### TYPE E TAPERED ROLLER BEARING HOUSED UNITS



#### Size Range

Shafts from 35 to 125mm bore size

#### Design

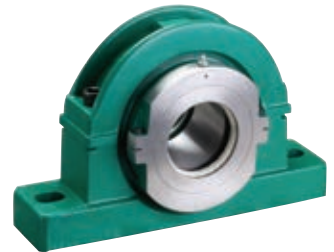
Timken Type E tapered roller bearing housed units feature industry-leading premium tapered roller bearings, high-performance seals, e-coated housings and powerful locking collars

Available as: Pillow blocks, Flange units, Take-up units

#### Industries & Applications

Material-handling  
Processing equipment  
Air-handling equipment  
Mixers  
Washers  
Shredders  
Mills  
Vibrating equipment  
Ovens and furnaces

### REVOLVO SPLIT ROLLER BEARING



#### Size Range

35mm to 600mm [Larger in special design]

#### Design

Split-to-the-shaft design enables the bearing to be fitted without requiring access to the shaft ends, can be built around the shaft. Huge savings in unnecessary downtime as there is no need to remove other drive components

#### Industries & Applications

Metal mills  
Aggregate and cement  
Mining  
Power generation  
Pulp and paper  
Material conveying  
Sugar mills  
Agriculture  
Waste management  
Waste treatment  
HVAC, fans and blowers  
Cranes, lifts and hoists



# Servo Motors

## Test, repair or overhaul

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Servo motor repair and testing is a specialist service that requires skills in electrical, mechanical and electronic disciplines.

Backed by an experienced team of engineers, ERIKS offers a specialist Servo motor repair service out of our Haydock Regional Hub. Our capabilities include:

- Purpose built Servo motors / repair cell
- Full fault assessment & overhaul / rewind capabilities
- Motors stripped, tested & aligned using a Mitchel TI500
- Spindle motors, water cooled generators, AC / DC Servo motors, Resolver Servo Motors
- Encoders including SRS, ERN & EQN



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# FAG Bearings

## FAG Cylindrical Roller Bearings with Cage

### FAG Cylindrical Roller Bearing with non-locating polyamide cage

- N and NU prefixes
- Supports radial forces only
- Size range 15mm up to 148mm bore
- Brass cage version available
- Cages can be supplied in other materials, available on application
- Available in C3 and C4 clearances



	PART NO	BORE (MM)	OD (MM)	WIDTH (MM)
N SERIES	N 202-E-XL-TVP2-FAG	15	35	11
	N 203-E-XL-TVP2-FAG	17	40	12
	N 204-E-XL-TVP2-FAG	20	47	14
NU SERIES	NU 202-E-XL-TVP2-FAG	15	35	11
	NU 203-E-XL-TVP2-FAG	17	40	12
	NU 204-E-XL-TVP2-FAG	20	47	14

### FAG Cylindrical Roller Bearing with semi-locating polyamide cage

- NJ and NUP prefixes
- Supports high radial force and axial force in one direction
- Guides shaft in one direction
- Size range 15mm up to 140mm bore
- Brass cage available from 120mm bore
- Cages can be supplied in other materials, available on application
- Available in C3 and C4 clearance



	PART NO	BORE (MM)	OD (MM)	WIDTH (MM)
N SERIES	N 202-E-XL-TVP2-FAG	15	35	11
	N 203-E-XL-TVP2-FAG	17	40	12
	N 204-E-XL-TVP2-FAG	20	47	14
NU SERIES	NU 202-E-XL-TVP2-FAG	15	35	11
	NU 203-E-XL-TVP2-FAG	17	40	12
	NU 204-E-XL-TVP2-FAG	20	47	14

## FAG Spherical Roller Bearings

- Support axial and radial forces
- Handles angular misalignment
- Size range 20mm up to 900mm
- Available in steel, brass and polyamide cages
- Available in tapered bore – suffix K
- Can be supplied sealed and greased, available on application



PART NO	BORE (MM)	OD (MM)	WIDTH (MM)
22205-E1-XL-FAG	25	52	18
22206-E1-XL-FAG	30	62	20
22207-E1-XL-FAG	35	72	23

## FAG Angular Contact Ball Bearings – Single Row

- Supports high axial forces in one direction and radial loads
- Size range 10mm up to 170mm bore
- Contact angle of 40°
- Available in sealed version - suffix 2RS
- Universally matched bearings - please request the amount of sets you require not the number of single bearings



PART NO	BORE (MM)	OD (MM)	WIDTH (MM)
22205-E1-XL-FAG	10	30	9
22206-E1-XL-FAG	12	32	10
22207-E1-XL-FAG	15	35	11

### Varying modifications available:

- S With lubrication groove and hole;
- E1 Increased capacity design;
- T41A For oscillating load with restricted diameter tolerances C4;
- T41D T41A with layer of chromium on bore;
- TVPB Solid window cage made from glass fibre and reinforced polyamide etc.

# Rotary Bearings

## Drawn Cup Needle Roller Bearings (HK)

- Produced to DIN 618-1 / ISO 3 245
- Size range 3 to 60 mm bore
- Can be used with INA IR or LR inner rings
- Press fit in housing, no further axial location required
- Can be combined with axial needle roller bearings of series AXW...
- Can be supplied with: integral seals, special lubricants, anti-corrosion protection, and closed end

**SCHAEFFLER**



PART NO	ID (MM)	OD (MM)	WIDTH (MM)
HK0408-INA	4	8	8
HK0609-INA	6	10	9
HK0810-INA	8	12	10
HK1010-INA	10	14	10
HK1012-INA	10	14	12
HK1210-INA	12	16	10
HK1212-INA	12	18	12

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
HK1612-INA	16	22	12
HK1622-INA	16	22	22
HK2020-INA	20	26	20
HK2030-INA	20	26	30
HK2210-INA	22	28	10
HK2520-INA	25	32	20
HK3026-INA	30	37	26

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
HK3520-INA	35	42	20
HK4012-INA	40	47	12
HK4020-INA	40	47	20
HK4516-INA	45	52	16
HK5020-INA	50	58	20
HK5025-INA	50	58	25

## Machined Needle Roller Bearings with Inner Ring (NKI)

### Light range, available in...

- Available sizes 5mm to 100mm
- Sizes > 7mm supplied with oil hole and lubrication groove
- Can be supplied with Corrotect® anti-corrosion coating
- Can be supplied with special bearing greases
- Other ground series bearings include: NA 48.. [DIN 617/ISO 1 206] 110mm to 380mm, NA 49.. [DIN 617/ISO 1 206] 10mm to 140mm, NKIS.. 15mm to 65mm, NA.. RS single sealed 10mm to 50mm, NA.. 2RS double sealed 10mm to 50mm, NAO without ribs 6mm to 90mm



PART NO	ID (MM)	OD (MM)	WIDTH (MM)
NKI5/12-INA	5	15	12
NKI7/12-INA	7	17	12
NKI10/16-INA	10	22	16
NKI12/16-INA	12	24	16
NKI15/16-INA	15	27	16
NKI17/20-INA	17	29	20
NKI20/16-INA	20	32	16

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
NKI20/20-INA	20	32	20
NKI22/16-INA	22	34	16
NKI22/20-INA	22	34	20
NKI25/20-INA	25	38	20
NKI25/30-INA	25	38	30
NKI28/30-INA	28	42	30
NKI30/20-INA	30	45	20

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
NKI35/20-INA	35	50	20
NKI40/30-INA	40	55	30
NKI45/35-INA	45	62	35
NKI50/35-INA	50	68	35
NKI60/35-INA	60	82	35
NKI75/25-INA	75	105	25

## Cylindrical Roller Bearings – Full Complement (SL)

- Highest dynamic and static basic load ratings due to the maximum number of rolling elements
- Support radial forces as well as limited axial forces in both directions
- Outer ring axially split and held together with retaining clips
- Dimension series according to DIN 5 412-9
- Other designs include: SL18 48.. dimension series according to DIN 5 412-9, non locating series SL02..semi locating series SL18 50..., single row semi locating series SL18 18., SL18 22., SL18 29., SL18 30., SL19 23... single row semi locating with spacing elements ZSL19 23., single row semi locating with disc cage LSL19 23.,



PART NO	ID (MM)	OD (MM)	WIDTH (MM)
SL014912-INA	60	85	25
SL014914-INA	70	100	30
SL014916-INA	80	110	30
SL014918-INA	90	125	35
SL014920-INA	100	140	40
SL014922-INA	110	150	40
SL014924-INA	120	165	45

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
SL014926-INA	130	180	50
SL014928-INA	140	190	50
SL014930-INA	150	210	60
SL014932-INA	160	220	60
SL014934-INA	170	230	60
SL014936-INA	180	250	69
SL014940-INA	200	280	80

PART NO	ID (MM)	OD (MM)	WIDTH (MM)
SL014944-INA	220	300	80
SL014952-INA	260	360	100
SL014960-INA	300	420	118
SL014964-INA	320	440	118
SL014972-INA	360	480	118
SL014980-INA	400	540	140





# Linear Bearings

## Shaft Guidance Systems

### KS Series

- Segmented design with high load capacity
- Compensation of misalignment up to  $\pm 40$  angular minutes
- Available with both gap and contact seals
- Available with open outer ring: series KSO, KSO..PP
- Available with housings
- Available in corrosion-resistant version

### Other Series

- CompactSeries [KH..]  $\varnothing 6$  to  $\varnothing 50$
- Light Series [KN..]  $\varnothing 12$  to  $\varnothing 50$
- Machined Series [KB..]  $\varnothing 12$  to  $\varnothing 50$
- Permaglide® Plain Series [PAB..]  $\varnothing 12$  to  $\varnothing 50$



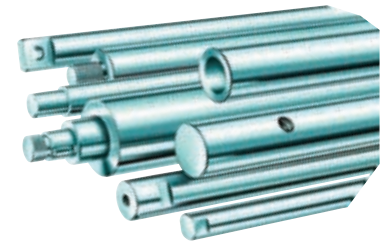
## Hollow Shafts

- Shafts have metric dimensions and are manufactured to tolerance class h6 or h7 depending on size
- Made from quenched and tempered steel with a surface hardness of 59 to 65 HRC
- Corrosion-resistant version available
- Can be machined to customer specification

PART NO	ID (MM)	OD (MM)	MAX SINGLE PIECE LENGTH (MM)
WH12-INA	4	12	6000
WH16-INA	7	16	6000
WH20-INA	14	20	6000
WH25-INA	15.5	25	6000
WH30-INA	18.2	30	6000
WH40-INA	27	40	6000
WH50-INA	29	50	6000
WH60-INA	36	60	6000
WH60-INA	56	80	6000

## Solid Shafts

- Shafts have metric dimensions and are manufactured to tolerance class h6
- Made from quenched and tempered steel with a surface hardness of 59 to 65 HRC
- Corrosion-resistant version available
- Can be machined to customer specification



PART NO	OD (MM)	MAX SINGLE PIECE LENGTH (MM)
SHAFT-4MM	4	2500
SHAFT-5MM	5	3600
SHAFT-6MM	6	4000
SHAFT-8MM	8	4000
SHAFT-10MM	10	6000
SHAFT-12MM	12	6000
SHAFT-14MM	14	6000
SHAFT-15MM	15	6000
SHAFT-16MM	16	6000
SHAFT-18MM	18	6000

PART NO	OD (MM)	MAX SINGLE PIECE LENGTH (MM)
SHAFT-20MM	20	6000
SHAFT-24MM	24	6000
SHAFT-25MM	25	6000
SHAFT-30MM	30	6000
SHAFT-32MM	32	6000
SHAFT-40MM	40	6000
SHAFT-50MM	50	6000
SHAFT-60MM	60	6000
SHAFT-80MM	80	6000
SHAFT-18MM	18	6000

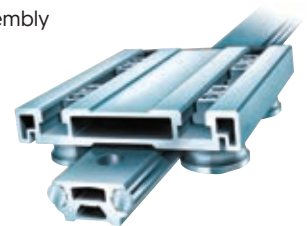
## Track Roller Guidance Systems (LFCL)

- Hollow section carriage made from anodized, profiled aluminium
- Comprises carriage plate, four bolts, four track rollers, two end covers and eight T-nuts
- Preset clearance, no adjustment required
- LFS guideways supplied single piece or multi piece
- Can be installed in any combination with all guideways LFS
- Other carriages available (LFL.., LFDL.., LFKL.. etc)

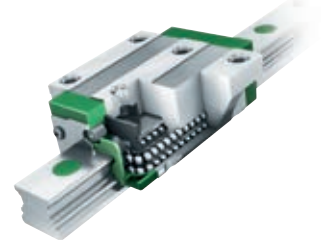
PART NO	HEIGHT (MM)	WIDTH (MM)	LENGTH (MM)
LFCL25	30.5	80	110
LFCL42	38.1	116	150
LFCL86	48.4	190	335

## Ball Monorail Guidance Systems (KUVE)

- Four-row linear recirculating ball bearing and guideway assembly
- Wide range of carriage types
- For applications with long unlimited stroke lengths
- Moderate and high loads, moderate and high rigidity
- Guideways supplied in single or multi piece lengths
- High speed version (10m/s) also available
- Wide range of accessories available
- Also available in 6 row design KUSE



PART NO	RAIL WIDTH (MM)
KUVE15B-INA	15
KUVE20B-INA	20
KUVE25B-INA	25
KUVE30B-INA	30
KUVE35B-INA	35
KUVE45B-INA	45
KUVE55B-INA	55



## Ball Bushings

### Thomson Imperial Precision Steel Linear Ball Bushing Bearings

- All steel construction for maximum system rigidity
- Available in 14 bore sizes and 9 configurations
- Steady state travel speeds of up to 10ft/s and accelerations of up to 450ft/s<sup>2</sup> without the use of derating factors
- Operating temperature of up to 600°F
- Available in self-aligning pillow block housing for ease of installation and use
- Coefficient of friction as low as 0.001

#### Closed Type without seals for End Supported Applications

PART NO	ID	OD	LENGTH
A4812-THO	1/4	1/2	3/4
A81014-THO	3/8	5/8	7/8
A81420-THO	1/2	7/8	1. 1/4
A101824-THO	5/8	1. 1/8	1. 1/2
A122026-THO	3/4	1. 1/4	1. 5/8
A162536-THO	1	1. 9/16	2. 1/4
A203242-THO	1. 1/4	2	2. 5/8
A243848-THO	1. 1/2	2. 3/8	3
A324864-THO	2	3	4
A406080-THO	2. 1/2	3. 3/4	5
A487296-THO	3	4. 1/2	6
A6496128-THO	4	6	8



### Thomson Imperial Super Ball Bushing Linear Bearings

- Self-aligning capability of up to 0.5 degrees compensating for inaccuracies in base flatness or carriage machining
- Travel speeds of up to 10ft/s without a reduction in load capacity
- Radially floating bearing plates. When installed in an adjustable housing the Super Ball bushing bearing may be adjusted to a specific diametrical fit-up for accurate and repeatable movement
- Lightweight, wear resistant, engineered-polymer retainers and outer sleeves that reduce inertia and noise
- Coefficient of friction as low as 0.001

#### Closed Type without seals for End Supported Applications

PART NO	ID	OD	LENGTH
SUPER4-THO	1/4	1/2	3/4
SUPER10-THO	5/8	1. 1/8	1. 1/2
SUPER12-THO	3/4	1. 1/4	1. 5/8
SUPER20-THO	1. 1/4	2	2. 5/8
SUPER24-THO	1. 1/2	2. 3/8	3







## Tapered Roller Bearings

Timken offers the most extensive line of tapered roller bearings available anywhere in the world.

Tapered roller bearings are uniquely designed to manage both thrust and radial loads on rotating shafts and in housings. Available in single-, double- and four-row configurations, customised geometries and engineered surfaces can be applied to these bearings to further enhance performance in demanding applications.



### Single-Row Tapered Roller Bearings

The most basic and widely used tapered bearing, usually fitted as one of an opposing pair.

### Double-Row Tapered Roller Bearings

With double cups and two single cones, these are available in a variety of configurations.

### Four-Row Tapered Roller Bearings

Combine the inherent high-load, radial/thrust capacity and direct/indirect mounting variables of tapered roller bearings into assemblies of maximum load rating in minimum space.

Here's just our best sellers. Don't forget we have  
**100s of other sizes**  
– call us with your needs!

PART NO	INSIDE Ø (MM)	OUTSIDE Ø (MM)	WIDTH (MM)
30202-TIMKEN	15	35	11.75
30203-TIMKEN	17	40	13.25
30204-TIMKEN	20	47	15.25
30205-TIMKEN	25	52	16.25
30206-TIMKEN	30	62	17.25
30207-TIMKEN	35	72	18.25
30208-TIMKEN	40	80	19.75
30209-TIMKEN	45	85	20.75
30210-TIMKEN	50	90	21.75
30211-TIMKEN	55	100	22.75
30212-TIMKEN	60	110	23.75
30213-TIMKEN	65	120	24.75
30214-TIMKEN	70	125	26.25

PART NO	INSIDE Ø (MM)	OUTSIDE Ø (MM)	WIDTH (MM)
30218-TIMKEN	90	160	32.5
30302-TIMKEN	15	42	14.25
30303-TIMKEN	17	47	15.25
30304-TIMKEN	20	52	16.25
30305-TIMKEN	25	62	18.25
30306-TIMKEN	30	72	20.75
30307-TIMKEN	35	80	22.75
30308-TIMKEN	40	90	25.25
31305-TIMKEN	25	62	18.25
31308-TIMKEN	40	90	25.25
31310-TIMKEN	50	110	29.25
31311-TIMKEN	55	120	31.5
31313-TIMKEN	65	140	36

PART NO	INSIDE Ø (MM)	OUTSIDE Ø (MM)	WIDTH (MM)
32004-TIMKEN	20	42	15
32005-TIMKEN	25	47	15
32006-TIMKEN	30	55	17
32007-TIMKEN	35	62	18
32008-TIMKEN	40	68	19
32009-TIMKEN	45	75	20
32010-TIMKEN	50	80	20
32011-TIMKEN	55	90	23
32012-TIMKEN	60	95	23
32013-TIMKEN	65	100	23
32014-TIMKEN	70	110	25
32024-TIMKEN	120	180	38

# maintenance products



*Tom Maintain*

**simatec**  
smart technologies



**Because my bearings are worth it!**

## Lubricators

The simalube lubricator provides automatic lubrication over a period of one month to a year and can be adjusted in an infinitely variable manner. simalube supplies every lubricating point with the ideal amount of lubricant – be it oil or grease – so that subsequent manual lubrication is no longer needed and maintenance costs are reduced in the long term.



## Induction Heaters

simatherm induction heaters heat circular metal parts, such as roller bearings, in a very short amount of time, so they can be installed quickly and efficiently. The inductive heating of metallic workpieces makes sense from both an economical and ecological perspective. simatec is the world's leading manufacturer of these types of heaters.



## Tools

The simatool toolkits enable the fast installation and removal of roller bearings and seals. They are used all over the world in machine and maintenance workshops within all industries.





## Single-Point Automatic Lubricator

Simalube is a gas powered single point automatic lubricator filled with 30, 60, 125 or 250 ml of grease or oil. The patented hydrogen producing dry cells drive a piston to dispense lubricant at a consistent rate of between 1 and 12 months, which is adjustable in operation. Gas production is initiated by turning the adjustment disk on the top with a Hex key or Allen key.

- 1 to 12 month dispense time
- Infinitely adjustable during operation
- Patented gas producing dry cell technology means no liquid or dangerous chemicals, no toxic waste
- ATEX approval to Zone 2
- Works in any orientation even upside down
- Grease or oil filled (oil filled units have a non-return valve)
- Suitable for the lubrication of rotary bearings, linear bearings, chain, open gears, sprockets etc

PART NO	DESCRIPTION	SIZE	TEMP RANGE	BASE OIL	THICKENER/ SOAP	DIN 51502
SIMASL24-125	Multi purpose grease with EP, NLGI 2	125	-30°C to +140°C	Mineral oil	Li/Comp.	KP2N-30
SIMASL10-125	Food industry grease, NSF H1 approved, NLGI 2	125	-30°C to +140°C	Synthetic	Al/Comp.	KPHC2N-30
SIMASL01-125	Water resistant grease, NLGI 2	125	-30°C to +120°C	Mineral oil	Li/Ca	KP2K-30
SIMASL14-125	Chain oil	125	-10°C to +90°C	Mineral oil		CGLP68
SIMASL15-125	High temperature chain oil	125	-30°C to +250°C	Synthetic		CGLPE220-320
SIMASL18-125	Food industry oil, NSF H1 approved	125	-15°C to +150°C	Synthetic		CLPHC220

For other sizes change suffix 125 to relevant size. i.e. SIMASL10-125 becomes SIMASL10-60

**simalube**<sup>®</sup>  
smart lubrication



## Simatherm IH 025 Volcano

The Simatherm IH 025 Volcano marks the start of a new era in the field of portable induction heaters. The patented technology enables outstanding heating performance from an extremely light structure. You can use it to heat roller bearings with an inner diameter as small as 20mm up to an outer diameter of 160mm and a weight of up to 10kg. To do this, simply place the work piece onto the Volcano's cone shaped heating surface.

- Portable, compact and very light (3.5kg)
- A bearing weighing 5kg can be heated to 110°C in under four minutes
- Silent in operation
- No support yoke required – simply place the work piece on the device
- Predictive temperature control (PTC) for automatic temperature monitoring

### PART NO

SIMAIH025-VOLCANO/115V

SIMAIH025-VOLCANO/230V

**simatherm**<sup>®</sup>  
smart mounting



## Simatool Kits

### Perfect for installing and removing bearings and seals!

Available individually as well as accessories or spare parts, these high-quality tool components are supplied in a compact case with liner, allowing all tool components to be neatly stored. A comprehensive user manual, containing data tables and illustrations is also provided.

#### Bearing Puller BP 61



### PART NO

SIMABP61



#### Bearing Fitting Tool FT 33



### PART NO

SIMAFIT33



#### Seal Puller SP 50



### PART NO

SIMASP50



## SKF Maintenance Products



### SKF Drive-up Method

This fitting method is unique to SKF and delivers accurate axial drive-up of spherical roller and CARB bearings mounted on tapered seatings. Incorporates the use of an SKF HMV ..E hydraulic nut fitted with a dial indicator, and a high accuracy digital pressure gauge mounted on the selected pump.



### SKF Oil Injection Set THKI series

The THKI is used for the mounting and dismounting of pressure joints of all sizes and applications such as rolling bearings, couplings and gears. The set consists of a stand-mounted oil injector complete with a high pressure pipe, pressure gauge and a range of connection nipples.



### SKF Shaft Alignment Tool TKSA 41

With two wireless measurement units, large sized detectors and powerful lasers, the TKSA 41 performs precise measurements in even the most challenging conditions. The ergonomic display unit with intuitive touch screen navigation makes your alignments fast and easy, whilst innovative features increase the alignment performance.



### Hydraulic puller sets TMMA ..H /SET series

Set consists of a hydraulically assisted SKF EasyPull together with a tri-section pulling plate, TMMS series, and a puller protection blanket facilitate an easy, safe and virtually damage-free dismounting. The set is especially suitable for dismounting roller bearings, and other components such as pulleys.



## SKF QuickCollect Sensor

### Machine monitoring made easy

The SKF QuickCollect sensor is an easy to use, Bluetooth enabled, handheld sensor that connects to iOS and Android apps on your tablet, smart phone or smart watch (iOS only). Combining vibration, acceleration enveloping and temperature sensing, overall data can be viewed on the spot in real time or pushed to the Cloud for future analysis. The sensor is ideal for service, reliability, operations, or maintenance personnel as part of a walk around data collection program.

#### Benefits

- Gets you started quickly
- Can be used with minimum training and experience
- Identify developing rotating machinery issues before they become problems
- Connect directly to expert advice when you need it
- Expand functionality via apps to grow and compliment your existing maintenance program
- Suitable for use in hazardous environments (ATEX Zone 1, Class 1, Div 1)

#### Measurement displays

Measurements taken by the sensor are shown on your mobile device, which displays velocity, acceleration, and temperature. Each reading displays a current overall measurement, including alarm status, minimum and maximum values, and alert and danger thresholds.



**NEW**





## Spherical Roller Bearings

### Brass Cage Spherical Roller Bearing Range

- NSK High Performance Standard Design
- Machined Brass Cage
- Roller guided design
- Durable and high wear resistance
- Vibration dampening affect
- Increased internal volume design for more lubrication retention
- Available from 50mm bore diameter

## AIP – Added Value Programme

### Because Efficiency is Everything, Improvement Pays

AIP is NSK's powerful and practical sales toolkit, consisting of a menu of NSK engineering and service solutions designed to deliver added value to end user customers by improving their machine reliability, technical knowledge and overall profitability as a result of reducing their total cost of ownership.

- More than 50% of belts are not aligned
- A few degrees of misalignment can reduce belt life by 75%
- Energy consumption increased up to 15%
- 10% increase in load reduces bearing life by 25%



## ERIKS Lubrication Essentials

ERIKS Lubrication Essentials is a range of high-quality, readily available items designed to meet the most common industrial lubrication and maintenance applications.

### Why lubrication essentials?

Feedback from our customers has suggested that there are two common problems with lubricant supply – needlessly stocked items which perform similar duties and the ever-expanding range of different lubrication products is impossible to keep up with.

### The concept

With this in mind, we have devised a core set of products with excellent stock availability, hand-picked by our lubrication engineers to cover a wide range of applications, while always maintaining the very best in performance and compliance.

### The Products

Meeting the widest range of applications imaginable, the ERIKS Lubrication Essentials boasts over 50 core items. These are amongst our most popular products and are proven in hundreds of applications across a diverse range of industrial sectors



### Bearing Greases

#### Multi-Purpose Grease EP2



##### PART NO

TOTAL-MULTISEP2-400G  
TOTAL-MULTISEP2-18KG  
TOTAL-MULTISEP2-50KG

#### Wide Temperature Range EP2 Grease



##### PART NO

OKS404-400ML

#### Multi-Purpose Lithium Complex Grease



##### PART NO

MOBIL-XHP222-400G

### High Temperature Grease

#### High Temp Synthetic Grease



##### PART NO

MOBIL-SHCPOLYREX462-380G

### Food Grade Grease

#### Fully Synthetic High Temp Grease



##### PART NO

OKS476-400ML  
OKS476-1KG  
OKS476-5KG

#### Food Safe NSF H1 Grease



##### PART NO

OKS422-400ML  
OKS422-1KG  
OKS422-5KG

#### Fully Synthetic Food safe NSF H1 Grease



##### PART NO

OKS479-400ML  
OKS479-1KG  
OKS479-5KG

#### Food Safe Silicone Grease



##### PART NO

OKS1110-500G  
OKS1111-400ML





## Speciality Grease

### Marine Grease



**PART NO**

OKS403-400ML

### Electric Motor Grease



**PART NO**

MOBIL-POLYREXEM-390G  
MOBIL-POLYREXEM-54HG

## Gear Oil

### High Performance Gear Oil



**PART NO**

MOBIL-GEAR600  
XPI00-20LTR\*

### Synthetic Gear Oil



**PART NO**

MOBIL-SHC-GEAR220-20LTR  
MOBIL-SHC-GEAR460-20LTR

## Food Grade Gear Oil

### Synthetic Gear Oil (PAG)



**PART NO**

TOTAL-CARTERSY150-20LTR

### High Performance NSF H1 Gear Oil



**PART NO**

MOBIL-SHC-CIBUS100-20LTR

### Food Grade Gear Oil



**PART NO**

OKS3720-5LTR  
OKS3720-25LTR

### NSF H1 Gear Oil



**PART NO**

TOTAL-N/STANEEP  
100-20LTR  
TOTAL-N/STANEEP  
150-20LTR  
TOTAL-N/STANEEP  
220-20LTR

## Chain Oil

### High Temperature Chain Oil



**PART NO**

OKS352-5LTR

### High Temperature Chain Oil



**PART NO**

MOBIL-SHCCHAIN  
240-208LTR  
MOBIL-SHCCHAIN  
240-1000L

## Chain Oil Spray

### High Temp Chain Spray



**PART NO**

MOBIL-CHAIN-SPRAY-400ML

### Chain and Drive Spray



**PART NO**

ROC-CHAIN-&-DRIVE-SPRAY  
ROC-CHAIN-&-DRIVE-5LTR  
ROC-CHAIN-&-DRIVE-20LTR

## Food Grade Chain Oil Spray

### Food Grade Chain Spray



**PART NO**

OKS3751-400ML

## Silicone Oil

### Silicone Spray



**PART NO**

OKS1631-500ML

## Synthetic Compressor Oil

### Synthetic Compressor Oil



**PART NO**

MOBIL-SHC-RARUS32-  
20LTR

## Dry Film

### PTFE Dry Film Lubricant



**PART NO**

OKS571-500ML



## Hydraulic Oil

### Hydraulic Oil

**PART NO**  
TOTAL-AZOLLAZS10-20LTR



### Anti Wear Hydraulic Oil

**PART NO**  
MOBIL-DTE22-20LTR



## Food Grade Hydraulic Oil

### Food Grade Hydraulic Oil

**PART NO**  
OKS3770-5LTR  
OKS3770-25LTR



### Food Grade Hydraulic Oil

**PART NO**  
TOTAL-N/STANEAW22-20LTR



## Maintenance Spray

### Multi-Purpose WD Spray

**PART NO**  
WD40-400ML  
WD40FLEXIBLE-400ML



### Food Grade Maintenance Spray

**PART NO**  
OKS371-400ML



### Rust Remover

**PART NO**  
OKS611-400ML



### High Performance Maintenance Spray

**PART NO**  
OKS641-400ML



## Workbox Essentials

### Multi-Purpose Maintenance Spray with PTFE

**PART NO**  
TRIFLOW-500ML



### RTD Fluid (Reaming, Tapping, Drilling)

**PART NO**  
ROC-RTD-LIQUID-400G



### Leak Detector Spray

**PART NO**  
OKS2801-400ML



### Belt Dressing Spray

**PART NO**  
OKS2901-400ML



## Anti-Seize

### Food Grade, Anti-Seize Paste

**PART NO**  
OKS141-250G



### Copper Anti-Seize Paste

**PART NO**  
OKS245-250G



### Moly Paste (and Spray)

**PART NO**  
OKS221-400ML







## Corrosion Protection

**Temporary Protective Film, Wax Based**



**PART NO**

OKS2101-400ML

**Zinc Galvanising Spray, Permanent**



**PART NO**

OKS2511-400ML

## NSF Registered Cleaners

**Biodegradable Cleaner NSF A1**



**PART NO**

OKS2650-500ML

**Food Safe Industrial Cleaner NSF A8/K1**



**PART NO**

AMB-INDDEGREASERFG-500ML

## Cleaners

**Industrial Cleaner**



**PART NO**

ROC-IND-CLEANER-300ML

**High Performance Universal Cleaner**



**PART NO**

OKS2611-500ML

**Multi-Foam Cleaner**



**PART NO**

OKS2631-400ML

**Electrical Contact Cleaner**



**PART NO**

OKS2261-400ML

## Single-Point Automatic Lubricator

**Simatec Lubricant Range**

**PART NO**

SIMASL24-125

SIMASL10-125

SIMASL01-125

SIMASL14-125

SIMASL18-125



## Multi-Point Automatic Lubricator

**Schaeffler Concept 8**

PART NO	DESCRIPTION	MANUFACTURER
082239754-FAG	FAG FIS Bearing Lubrication Devices ARCALUB-C8-1P	ARCALUB-C8-1P
082249156-FAG	FAG FIS Bearing Lubrication Devices ARCALUB-C8-2P	ARCALUB-C8-2P
082266581-FAG	FAG FIS Bearing Lubrication Devices ARCALUB-C8-3P	ARCALUB-C8-3P
082266646-FAG	FAG FIS Bearing Lubrication Devices ARCALUB-C8-4P	ARCALUB-C8-4P



## Case Study

**ERIKS lubrication plan delivers cost savings by alleviating manual lubrication**

A customer was experiencing issues regarding the lack of lubrication to its conveyor bearings and motors, and due to an upturn in the recycling sector, the shortage of workforce was adding to their problems.

ERIKS undertook a site survey and identified the Simalube Automatic greasing product as the solution.

Local ERIKS engineers worked alongside a Lubrication Product Specialist to put forward a lubrication plan to ensure all identified components are correctly lubricated. The plan contained locations, times of fitting and date to be replaced.

By utilising the plan, ERIKS took ownership of the assets, ensuring that the equipment is fully lubricated at all times, leading to reduced maintenance and improved reliability for the customer.



# Grasp your industrial performance



Nonfood Compounds Program Listed  
ISO 21469 Certified



Beyond food safety, Total Nevastane food grade lubricants coupled with our expert advice will help you meet the performance demands of your processing equipment while ensuring the reliability and durability.



## Mobil Food Grade Aerosols

### NSF H1

With complete NSF registration, safety spray nozzles and uniform packaging, our food aerosols have been specifically designed for use across all applications in the food and beverage industries.



- Mobil Chain Oil Spray
- Mobil Penetrating Oil Spray
- Mobil PTFE Spray
- Mobil Degreaser Spray
- Mobil Silicone Spray

## Mobil Gear Oil

Mobil™ offer a full range of Gear Oils from standard to premium and flagship. These gears oils offer long life, wear protection and market leading performance. Select the right oil for the job.

- Mobil gear 600 XP (ISO 150 – 680)
- Mobil SHC 600 Series (ISO 150 – 1000)
- Mobil SHC Gear 600 Series (ISO 32 – 1000)



## Mobil SHC Polyrex Series

### High Temperature Grease

The Mobil SHC™ Polyrex series of greases are specifically designed to improve your productivity by solving high temperature lubrication problems in both general industry and food processing applications. These synthetic, polymer-enhanced greases bring a high temperature solution to the market while carrying a full NSF H1 registration.

- Mobil SHC Polyrex 005
- Mobil SHC Polyrex 222
- Mobil SHC Polyrex 462
- Mobil SHC Polyrex 462 PF



## Hydraulic Oil

Mobil™ offer a full range of Hydraulic Oils from standard to premium and flagship. These hydraulic oils offer long life, wear protection and market leading performance. Select the right oil for the job.

- Mobil Hydraulic AW (ISO 32 – 100)
- Mobil DTE 10 Excel (ISO 22 – 100)
- Mobil DTE 20 Ultra Series (ISO 10 – 100)



## Mobil SHC CIBUS Series

### NSF H1 (Food, Beverage, Pharmaceutical & Packaging) Oils

Mobil SHC Cibus™ Series lubricants are outstanding performance hydraulic, compressor, gear and bearing oils designed to provide outstanding equipment protection, long oil life and problem-free operation in the food and beverage processing and packaging industries.

- Mobil SHC CIBUS 32
- Mobil SHC CIBUS 46
- Mobil SHC CIBUS 100
- Mobil SHC CIBUS 220
- Mobil SHC CIBUS 320



## Mobil Grease

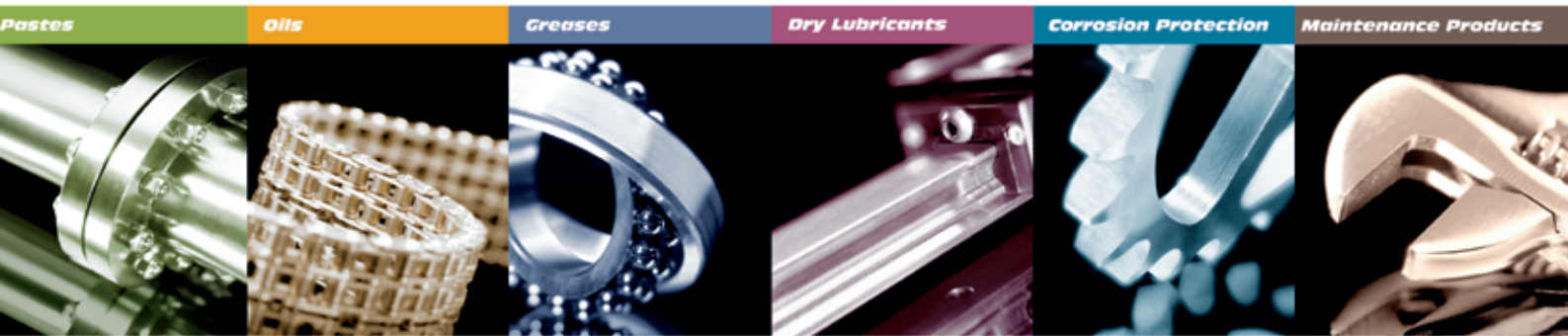
Mobil™ offer greases for all applications. Whether conventional or synthetic, our greases offer; longer greasing intervals, enhanced equipment life and exceptional protection in extreme conditions.



- Mobilux EP Series
- Mobil Grease XHP Series
- Mobilith SHC Series
- Mobil SHC Polyrex Series



# High Performance Lubricants to meet the highest standards



Specialising in technical lubricants and maintenance consumables designed specifically for the most demanding industrial applications.

The OKS range offers high performance products for reducing friction, wear and corrosion. With over 30 years experience the OKS tribological know-how ensures that machines and systems operate efficiently, around the world and around the clock - even under the most demanding conditions.

**Exclusive to ERIKS UK**

## Over 150 high-performance products

- Pastes
- Oils
- Greases
- Dry lubricants
- Corrosion protection
- Maintenance products
- Cleaners





# ROCOL SELECT

## RTD Liquid

### Machine shops

RTD is a medium viscosity, dark brown fluid.

- 800kg weld load
- Improved surface finish
- Oil and solvent free
- Flows to the cutting edge
- Available in chlorine free version

#### PART NO

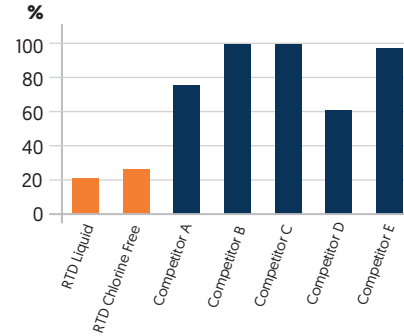
ROC-RTD-LIQUID-400G



The Reichert Wear Test measures the extreme pressure performance of lubricants. 100% represents the amount of wear using a non EP base oil.



RTD Liquids Reichert



## RTD Compound

### Machine shops

RTD is a soft, dark brown, low melting-point paste.

- Improved surface finish formulated to cling to tool
- Formulated to cling to the tool - improved surface finish
- Rolls Royce approved – Spec CSS 137 Type B and C
- Available in chlorine free version

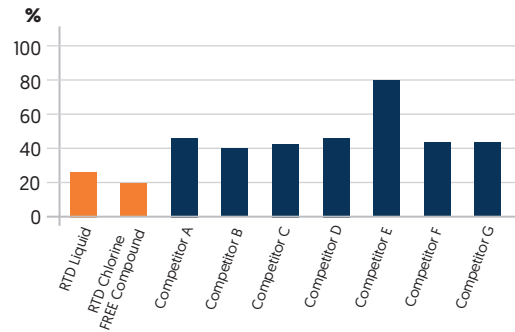
#### PART NO

ROC-RTD-COMPOUND-500G

ROC-RTD-COMPOUND-CF-450G



RTD Compounds Reichert



## RTD Foamcut Spray

### Machine shops

RTD in a convenient and clean foaming spray.

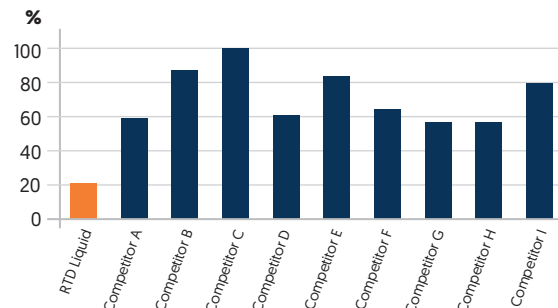
- Use on rotating application – easy and safe
- Foaming action adheres to the tool
- Rapidly penetrates to the cutting edge
- Ideal for mobile engineers
- Available in standard aerosol spray

#### PART NO

ROC-RTD-FOAMCUT-300ML



RTD Spray Reichert



## ROCOL SELECT

### Industrial Cleaner Rapid Dry Spray

#### Cleaners

A fast evaporating multi-purpose cleaner to effectively remove all general grime, grease, dirt and other workplace contamination.

- NSF K1 registered - suitable for use on food processing equipment and utensils
- Dries rapidly and completely leaving a residue free surface
- Solvent based



#### PART NO

ROC-RTD-CLEANER-300ML

### Foam Cleaner Spray

#### Cleaners

A fast-acting white foam cleaner to efficiently clean work surfaces.

- The foam will cling to vertical surfaces, preventing contamination by run-off or dripping
- NSF A1 registered - suitable for use in and around food processing areas
- Foaming action ensures long contact time for effective cleaning, even on vertical surfaces
- Water based



#### PART NO

ROC-FOAM-CLEANER-400ML

## SAPPHIRE 2

#### Bearing grease

A heavy-duty bearing grease to lubricate and protect all types of ball, roller and plain bearings in high load operations.

- Temperature range -30°C to +160°C
- Weld load = >800kg
- Protects against corrosion in humid, damp and wet conditions
- Outstanding film strength - the grease stays where it is needed



#### PART NO

ROC-SAPPHIRE2-400G

## SAPPHIRE ADVANCED 2

#### Bearing grease

A multi-purpose grease, fortified with PTFE, for an extensive range of applications. Used to reduce equipment failure, downtime and lubricant usage in high speed applications such as electric motors and fan bearings.

- Temperature range -30°C to +160 °C
- Provides high load, EP performance of 560kg - superior to standard soap thickened lubricants
- An extensive range of applications particularly high speed and high load conditions



#### PART NO

ROC-SAPPHIRE-ADV2-380G

## SAPPHIRE Spray Grease

#### Bearing grease

A high performance aerosol applied grease for effective lubrication and protection of all types of bearings, slides, bushes, linkages and pins.

- Temperature range -50°C to +200°C
- Multi-purpose grease, fortified with PTFE, for an extensive range of applications
- Particularly suitable for high speed bearings and those subjected to extremes of temperature
- Protects against corrosion in humid, damp and wet conditions



#### PART NO

ROC-SAPPHIRE-SPRAYGREASE 400ML

## Chain and Drive Spray

#### Chain spray

A high performance chain and conveyor lubrication to protect and maximise the life of all types of chains even in extreme conditions.

- Ensures maximum penetration, lubrication and corrosion protection
- Full penetration into the links and pins of the chain
- Good adhesion and water resistant - reduces 'throw off', dripping and protects in wet or humid environments.
- For high load applications including forklift trucks choose: CHAINGUARD Hi-Load Spray



#### PART NO

ROC-CHAIN&DRIVE-SPRAY 300ML

ROC-CHAINGUARD-HL-SPRAY 300ML





## ROCOL SELECT

### Dry Moly Spray

#### General purpose

A dry film coating of molybdenum disulphide in aerosol form to provide wear resistance and lubrication to sliding mechanisms; plain bearings, pins, cams and slides, where wet lubricant cannot be tolerated.

- Can also be used as a dry film chain lubricant where wet films cannot be tolerated
- Temperature range -50°C to +450°C
- Resistant to high loads (up to 7,000kg/cm<sup>2</sup>)



#### PART NO

ROC-DRY-MOLY-SPRAY-400ML

### Precision Silicone Spray

#### General purpose

A multi-purpose, non-toxic silicone spray for use as an anti-stick agent. It provides a light, long-life lubrication film for applications such as links, pins, chutes, slides etc.

- Long life lubricating film - protects even in the most adverse conditions
- Resists oxidation and corrosion
- Temperature range -50°C to +200°C



#### PART NO

ROC-SL-SPRAY-400ML

### DRY PTFE Spray

#### General purpose

A dry, lubricating film for applications such as guides, pins, chutes, slides etc. It provides a light, long lasting, totally dry lubricating film where silicones cannot be tolerated.

- Temperature range -200°C to +270°C
- A clean, dry, colourless, non-toxic film containing industry leading levels of active ingredient
- High percentage of micronised PTFE - chemical resistance that lubricates even in adverse conditions



#### PART NO

ROC-IFL-SPRAY-400ML

### Moisture Guard Green Spray

#### General purpose

A thin, almost dry corrosion protective film. Ideal for indoor corrosion protection of components such as gears, bearings and pressings.

- Flexible film - does not chip or break
- Protects against corrosion caused by moisture or damp atmospheres
- Silicone free



#### PART NO

ROC-MOISTGUARD-GRN-SPRAY 400ML

### Penetrating Spray

#### Anti-seize

A powerful release agent for corroded threaded fasteners and other seized components even after prolonged periods of seizure.

- Provides efficient loosening of fasteners when seized due to rust, scale, dirt, grime etc.
- Corrosion inhibitors provide a protective film against further attack after use
- Fast acting formulation – minimising time and effort



#### PART NO

ROC-PENETRATING-SPRAY 300ML

### Anti-Seize Compound

#### Anti-seize

Copper based multi-purpose anti-seize with excellent corrosion protection. Protects against pick up and seizure even in adverse conditions.

- Temperature range -50°C to +1100°C
- Lubricates, protects and eases dismantling
- Particularly suited to extreme wet conditions even when submerged in sea water environments
- Approvals RAAF Ref No: 34D/22-6794
- NATO Stock No: 8030-99-224-6794



#### PART NO

ROC-ANTISEIZE-J166-500G

## FOODLUBE



### FOODLUBE Hi-Power

A range of hydraulic, compressor and airline oils, designed to maximise power transfer whilst lubricating and dissipating heat to protect machinery and extend equipment life.

- Reduces material wear to significantly extend component life
- High thermal stability increases oil change intervals and prevents sludge formation
- Low carry-over system eases air and oil separation, ensuring clean air and maximum power transfer



#### PART NO

ROC-FOODLUBE-HP22-5LTR

### FOODLUBE Hi-Torque

A range of food grade, fully synthetic gear oils that minimise wear, thereby reducing risk of breakdown and significantly extending gear box life.

- Increases oil change interval to up to 4 years
- Reduces wear to significantly extend gear box life
- Unique SUPS technology protects gear teeth on start-up



#### PART NO

ROC-FOODLUBE-HT150-5LTR

### FOODLUBE Spray Grease

A white, non-toxic food grade spray grease designed for the effective lubrication and protection of ball, roller and plain bearings, slides, pins, linkages and bushes operating in food, pharmaceutical and other clean environments.

- Offers an excellent wide temperature resistance of -50°C to +160°C
- Highly resistant to water wash-off and offers excellent corrosion protection
- Excellent oxidation stability resulting in extended relubrication intervals and a reduction in lubricant usage.



#### PART NO

ROC-FOODLUBEGREASE-400ML

### FOODLUBE Chain Spray

A food grade aerosolised lubricant for chains, conveyors, pulleys and rollers in the food and other clean industries.

- Excellent penetration into rollers, links and pins to reduce wear and increase chain life
- Provides a highly adhesive lubricating film on the chain to avoid drips and fling-off
- Resistant to water wash off for maximum corrosion protection



#### PART NO

ROC-FOODLUBE-CHAIN-SPRAY

### FOODLUBE Dismantling Spray

A non-toxic, fast-acting penetrating lubricant for corroded threaded fasteners and other seized components.

- Provides excellent penetration of rust, scale, grease and dirt
- Imparts a light residual film for short-term corrosion protection
- Temperature range -20°C to +110°C



#### PART NO

ROC-DISMANTLING-SPRAY

### FOODLUBE WD Spray

The No.1 food safe multi-purpose spray for general use in food, beverage and pharmaceutical plants.

- Clean and non-toxic
- PTFE fortified
- Silicone free formulation



#### PART NO

ROC-DISMANTLING-SPRAY







## FOODLUBE

### FOODLUBE MultiPaste Spray

A white, non-toxic lubricating spray that applies an anti-seize paste, ideal for use in food, pharmaceutical and other clean environments.

- Prevents galling, pick-up and seizure
- Ideal for use on stainless steel
- Extremely tenacious – resists water wash out



#### PART NO

ROC-FOODLUBE-PASTE-400ML

### FOODLUBE Anti-Seize

A white, non-toxic lubricating grease designed for use as an anti-seize, assembly lubricant and thread compound.

- Protects against corrosion and seizure, even in wet conditions and high temperatures up to 450°C
- Extends component life and aids disassembly ? saving both time and money
- Tenacious, long-lasting formulation resists water washout



#### PART NO

ROC-ANTISEIZE-J166-500G

### ELECTRA CLEAN Spray

A powerful, ultra-fast drying cleaner, ideal for cleaning electronic equipment and components in and around food processing areas, such as control panels, electric motors, electrical contacts and switches.

- Removes grime, grease and dirt from all electrical instruments and devices
- Rapid evaporation to leave no residue
- Compatible with most plastics



#### PART NO

ROC-ELECTRA-CLEAN-SPRAY

### REMOVER & DEGREASER

A powerful, fast acting multi-purpose degreaser suitable for use in inedible product processing, non-processing areas and exterior areas of food processing establishments.

- Removes grease, oil, adhesives, labels and general workshop grime.
- Powerful and fast acting
- Safe on metal, most plastics and painted surfaces



#### PART NO

ROC-REMOVER&DEGREASER

### FOODLUBE Premier & Premier Shuttle Cartridge

#### Audit Compliance for Food Industry

- Name of grease being dispensed can be seen on the grease cartridge
- Opening of the cartridge is simple, clean and fast
- The waterproof screw cap it is possible to then store the cartridge
- Visual inspection of the grease type and certification when loaded
- The level of grease in the cartridge is clearly visible

#### PART NO

ROC-FOODLUBPREM15C-380G



## WD-40 Multi-Use Product

WD-40 Multi-Use Product is still 'the' maintenance spray used across Industry for good reason. It helps to keep plant efficiency and operating costs down whilst solving problems and helping to maintain equipment along the way.

WD-40 Multi-Use Product stops squeaks and noise, it's designed to drive out water, it cleans and protects equipment and prevents corrosion.

This is especially relevant for machinery and appliances exposed to the elements. It leaves a protective coating with a dielectric strength of ~38kV and it penetrates to loosen rusted, seized parts.

A useful problem solver for a lot of the tasks faced by technicians and engineering staff today, simply taken care of from one quick convenient application of WD-40 Multi-Use Product.



### WD-40 Multi-Use Product Aerosols

- Cleans, protects, penetrates, lubricates and displaces moisture
- Prevents rust and corrosion
- Silicone free
- Easy to use
- Versatile
- Smart straw variant available

PART NO	SIZE
WD40-100ML	100ml
WD40-SMARTSTRAW-300ML	300ml
WD40-SMARTSTRAW-450ML	450ml
WD40-600ML	600ml



### WD-40 Multi-Use Product Bulk

- Cleans, protects, penetrates, lubricates and displaces moisture
- Prevents rust and corrosion
- Silicone free
- Easy to use
- Versatile

PART NO	SIZE
WD40-5LTR	5ltr
WD40-25LTR	25ltr



### WD-40 Flexible Straw

- Reach the unreachable
- Holds straw position for easy application
- Sprays2Ways technology
- Long (185mm) metal straw
- Versatile

PART NO	SIZE
WD40-400ML	400ml



**NEW**





## Tri-Flow Industrial Lubricants

Tri-Flow Lubricant is ideal for preventive and corrective maintenance in industrial applications. Tri-Flow will keep equipment in service longer and reduce costly breakdowns caused by worn and grimy parts.

# TRI-FLOW™

### Tri-Flow Industrial Lubricant, 200ml

- For general applications
- Formulated with PTFE
- High temperature range [-53°C to +246°C]
- Extends machinery service life

PART NO	SIZE
TRIFLOW-200ML	200ML



### Tri-Flow Industrial Lubricant 500ml

- For general applications
- Formulated with PTFE
- High temperature range [-53°C to +246°C]
- Improves machinery performance

PART NO	SIZE
TRIFLOW-500ML	500ML



### Tri-Flow Industrial Lubricant Precision Spray 500ml

- For hard to reach applications
- Formulated with PTFE
- High temperature range [-53°C to +246°C]
- Reduces operating costs
- Protects against moisture and corrosion

PART NO	SIZE
TRIFLOW-PREC-500ML	500ML



### Tri-Flow Industrial Lubricant 4ltr

- For larger volume users
- Formulated with PTFE
- High temperature range [-53°C to +246°C]
- Ideal for use on closed system industrial machinery

PART NO	SIZE
TRIFLOW-4LTR	4LTR



**WEESHOP**  
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eriks.co.uk

**Tech**  
**DIRECT**

# Your Complete Chemical Solution



## General Maintenance and Overhaul

PART NO	PRODUCT	DESCRIPTION
AMB-AMBERKLEI0-400ML	Amberklene FE10	Fast-evap. Solvent
AMB-CONTACTCLEANFG-400ML	Contact Cleaner FG	Electrical Solvent
AMB-TUF CUT-SPRAY-400ML	Tufcut Metal	Cutting Lube
AMB-PENETRATINGOIL-400ML	Penetrating Oil	Rapid Anti-Seize Oil
AMB-SILREL-500ML	Silicone Lubricant	Multi-Purpose Lube
AMB-CHAINSPRAY-400ML	Chainspray	Heavy Duty Lubricant
AMB-COPPERAS-400ML	Copper Anti-Seize Paste	Assembly Lubricant
AMB-BRIGHTGALV-400ML	Bright. Cold Galvanise	Superb 'Hot-Dip' Paint



## Fluid Power and Systems Maintenance

PAO, Synthetic Oil, NSF H1 Food Grade

PART NO	PRODUCT
5L: AMB-HYDSUPER32FG-5LTR	Hydraulic Oil
20L: AMB-HYDSUPER32FG-20LTR	Super 32 FG
5L: AMB-HYDSUPER46FG-5LTR	Hydraulic Oil
20L: AMB-HYDSUPER46FG-20LTR	Super 46 FG
5L: AMB-HYDSUPER68FG-5LTR	Hydraulic Oil
20L: AMB-HYDSUPER68FG-20LTR	Super 68 FG
20L: AMB-LUBE100-FG-20LTR	Lubricating Oil LO 100 FG
5L: AMB-GEARSUPER150FG-5LTR	Gear Oil
20L: AMB-GEARSUPER150FG-20LTR	Super 150 FG
5L: AMB-GEARSUPER220FG-5LTR	Gear Oil
20L: AMB-GEARSUPER220FG-20LTR	Super 220 FG
5L: AMB-GEARSUPER320FG-5LTR	Gear Oil
20L: AMB-GEARSUPER320FG-20LTR	Super 320 FG



## Bearing Maintenance and Lubrication

PART NO	PRODUCT	DESCRIPTION
AMB-AMBERGREXL-400G	Ambergrease	NLGI 2 Multi-Purpose
AMB-AMBERGREXL-12.5KG	EXL	Bearing Grease
AMB-GREASEFG1-400G	Ambergrease	NLGI 2 Food Grade,
AMB-GREASEFG1-18KG	FG1	Premium/ Multi-Purpose
AMB-GREASEFG2-400G	Ambergrease	NLGI 2 Food Grade,
	FG2	High-Temp Silicone Grease
AMB-GREASEFG3-400G	Ambergrease	NLGI 2 Food Grade
	FG3	General Purpose Grease
AMB-GREASEFG4-18KG	Ambergrease	NLGI 0/00 Food Grade
	FG4	Can Seaming Grease
AMB-HILOADFG-400G	Hi-Load Lube	NLGI 2 Food Grade
	FG	High-Load Grease





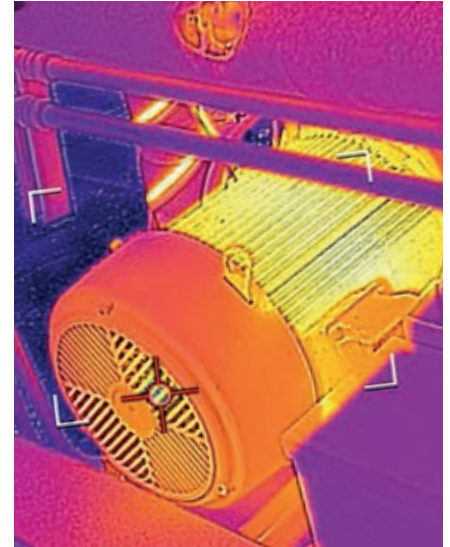
## Advanced Thermal Imaging Cameras



The FLIR Exx-Series advanced thermal imaging cameras are powerful and non-invasive tools for ensuring all electro-mechanical elements involved in the production process are working optimally. As well as being suitable for electrical inspection, these cameras can spot defective rollers on a conveyor, overheating motors and bearings, inspect moulds, detect tank levels and monitor thermal processes.

They feature intelligent interchangeable lenses, laser-assisted autofocus modes and area measurement functionality. A large, vibrant 4-inch touchscreen and FLIR's patented MSX® imaging technology combined with increased sensitivity and increased native resolution, ensure users can identify hot spots before potential problems become expensive repairs.

The Exx-Series also feature laser distance measurement that assures precise autofocus to improve temperature measurement accuracy. A simple user interface delivers faster, more intuitive operation, and coupled with enhanced Wi-Fi, Bluetooth and Meterlink® connectivity, archiving and report generation has never been easier.



### E53

A brilliant 4-inch touchscreen with 160-degree viewing angle, to ensure a clear view of the thermal image from any angle. The 240x180 resolution detector offers over 43,000 points of temperature.

- Rugged, water-resistant design to withstand tough environments
- An agile user interface gives intuitive operation and features such as 1-Touch level/span, which allows the user to improve contrast on their target just by touching the screen
- When coupled with enhanced Wi-Fi, METERLiNK® connectivity, and customisable work folders, archiving and report generation has never been easier



### E75

All the features of the E53 plus UltraMax®, FLIR's embedded, super-resolution process that improves effective resolution by four times – 320 x 240 detector up to 76,800 pixels – and thermal sensitivity by up to 50 percent.

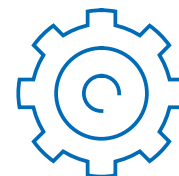
- Improves effective resolution by four times
- Improves thermal sensitivity by up to 50%



### E85 & E95

A brilliant 4-inch touchscreen with 160-degree viewing angle, to ensure a clear view of the thermal image from any angle. The 240x180 resolution detector offers over 43,000 points of temperature.

- Rugged, water-resistant design to withstand tough environments
- An agile user interface gives intuitive operation and features such as 1-Touch level/span, which allows the user to improve contrast on their target just by touching the screen
- When coupled with enhanced Wi-Fi, METERLiNK® connectivity, and customizable work folders, archiving and report generation has never been easier



# Gearbox services repair, replace or upgrade? It's your choice...

When deciding whether to repair, replace or upgrade your gearbox, it's important to determine what represents the best value.

At ERIKS we understand your requirements and offer the complete gearbox solution.

- Application and project engineering
- Design and customisation
- Assembly and installation
- Repair, replace or upgrade options
- Safety and control integration
- Asset management



Call 0121 508 6000 or visit  
[eriks.co.uk](https://eriks.co.uk)

Let's make industry work better

**ERIKS**



# POWER TRANSMISSION

ERIKS' understanding of power transmission systems, the environment in which they must operate, the stresses they have to handle, and the results that must be produced, enables us to engineer solutions that significantly increase your efficiency, extend application lifecycle, minimise maintenance and maximise productivity.



## QUICK MANUFACTURER REFERENCE



60-67, 70-75,  
77, 85, 84-88,  
92-97, 102-104



68-69



76



78-81, 83



89



90-91



98-99



101

## QUICK PRODUCT REFERENCE

Wedge Belts	60	Lubrication Free Chain	75	Couplings & Torque Limiters	90
Emergency Belting	63	Adapted Chain	76	Hygienic Geared Drives	92
Vee & Wedge Belts	64	Roller Chain	79	Shaft Mounted Speed Reducers	93
Ribbed & PU Belting	65	Attachment & Roller Chain	81	Gearboxes	94
Timing Belts & Cutting Service	66	Tensioners	82	Hygienic Motors	97
Timing Belts	68	Chain Accessories	83	Electric Motors	98
Link Belting	70	Shaft Fixings & TaperLock Bushes	84	Motors & Variable Speed Drives	101
Vee, Wedge & Timing Pulleys	72	Shaft Fixings & Couplings	86	Inverters	102
Roller Chain & Sprockets	74	Couplings	88		

# WE MAKE POWER TRANSMISSION WORK BETTER

## ENERGY EFFICIENCY IS WHAT DRIVES YOUR BUSINESS

Increase the efficiency and reliability of your power transmission systems, minimise its maintenance and extend its life, and you can expect to maximise productivity at the same time as reducing your Total Cost of Ownership.

You can also expect your local ERIKS Power Transmission Technology Centre to have the products and know-how to help you.



### BELTS, CHAINS AND COUPLINGS

From micro to mammoth, traditional to cutting-edge, our expertise allows us to design, supply and customise all open drives. Thanks to our strong supply network, we have access to the world's leading brands, this, combined with our ability to customise, means we're well-versed to meet your requirements.



### GEARS, MOTORS AND DRIVES

When it comes to gears, motors and drives, our knowledge is unsurpassed. We have the ability to provide engineered choices for all applications. So, if a repair or re-engineered solution is more effective than a replacement, we give you the option.



### AUTOMATION

Whether it be individual components or complete systems, we have the capabilities to bring elements together to deliver one turnkey solution that exceeds your expectations. From concept to design, build and installation, the success of our 'total systems' philosophy is based on the latest innovations, knowledge, flexibility, reliability and most importantly, impartiality.







## DRIVE DESIGN AND UPGRADE

Contrary to popular belief, a replacement isn't always the most viable option, so when your drive is coming to the end of its lifecycle, you must consider all options.

Our purpose-built facility in Pensnett, West Midlands, allows us to undertake upgrade and re-design work on your drives, no matter the size. Working with the latest software and a highly-skilled CAD design team, we can offer complete turnkey solutions with a myriad of unmatched benefits.



# Fenner®

Reliable | Trusted | Connected

## HYGIENIC DRIVES WITH COMPLETE INTER-CHANGEABILITY

Suited to the food, beverage, pharmaceutical and process industries, Fenner® Hygienic Geared Drives are specifically designed for washdown duty applications that use acid or alkaline solutions.

Built from chemical-resistant Stainless Steel AISI304/316, the hygienic characteristics are further enhanced by the smooth electrolytic polished surface, preventing the accumulation of dirt and speeding up cleaning processes.



# MORE THAN THE SUM OF THE PARTS



### MORE QUICKLY

- £20m of power transmission-related products in stock for immediate dispatch
- Continuity of supply ensured, through our close long-term relationships with leading manufacturers
- Specific stockholding capability for key customers, guaranteeing uninterrupted supply
- Efficient, reliable, flexible, nationwide supply chain



### MORE SUPPORT

We support your own day-to-day, on-the-job, application- and sector-specific knowledge with our industry-wide experience gained from countless different applications. Some suppliers may offer only a product.

Our technical and application teams support your engineers in devising solutions to resolve any drive or power transmission issue anywhere in your plant.



### MORE KNOW-HOW

The ERIKS Technology Centre is staffed by an experienced team of technical experts, including Application, Technical and Field Engineers. So rather than simply providing products, we provide expertise and know-how too.

However, because we use the latest demand forecast models and predictive purchasing algorithms, when you do want products you can be sure we'll have them. Not only the products you want now, but also the ones you'll soon need.

# HOW WE MAKE POWER TRANSMISSION WORK BETTER

## AN ENGINEERED SOLUTION YOU CAN RELY ON

Reliability is often perceived as simply ensuring continuous operation. But in fact, it's maintaining high levels of performance, with minimal energy consumption and a measured lifecycle. And it's that level knowledge that makes us experts in drives and transmission systems.

Not only do we understand how each part of your drive system is intrinsically linked, but we understand its operating environment, its capabilities and the results it must produce.





# THE SERVICES YOU EXPECT

## Application Engineering

Our dedicated field engineers have the capabilities to assist you in selecting the most appropriate product or solution to meet your KPIs.

## Design, Upgrade And Customisation

Using the latest CAD software, our team of expert Technical Engineers can design, build, install and customise bespoke solutions.

- Upgrade to modern technologies
- Fabrication and re-engineering
- Whole drive train packages
- Drop-in replacements

Resulting in the added benefits of:

- Minimising downtime
- Lower running costs
- Extended lifecycle
- Full product support

## Testing

Validation testing is available on-site, with manufacturing carried out to meet ATEX, Food and Hygiene and industry-specific regulations.

## Belt Cutting

If you can't find the correct size belt, call your local ERIKS Service Centre and they will contact upon our in-house belt cutting service at the Power Transmission Centre of Excellence.

## Condition Monitoring

We understand that unexpected downtime and disruption has a negative impact on the bottom line of your business. Most condition monitoring reports only provide a diagnosis, whereas our Condition Monitoring team has the capability to collect, store, compare and analyse key data to assess the health of your machines.

Services include:

- Vibration analysis
- Thermographic analysis
- Oil analysis
- Endoscopic inspection
- Optical gas imaging

## High Quality Motor Rewinds

- Removal
- Recording
- Replacement
- Testing

# Quattro PLUS CRE

## More Power. Longer Life.

The Fenner® Quattro PLUS CRE represents a real step forward in belt technology.

Able to transmit 26% more power than traditional CRE belts, this heavy duty V-belt has been completely redesigned using a range of innovative new materials that also ensures an additional 15% longer belt life.

- Synthetic rubber EPDM heavy duty V-belt
- Enhanced tooth profile improves belt flexibility, reducing bending resistance and increasing efficiency and life
- Unique construction of the polyester tension member improves belt stability
- Extended temperature range -40°C to +130°C
- Reduced belt weight lower inertia and reduces vibration
- Lower pre-tensioning force offers longer bearing life and extends maintenance periods between re-tensioning

### Applications include:

- Fans
- Compressors
- Pumps
- Packing machines
- Printing machines
- Textile machinery
- Elevators

Sections: QXPZ, QXPA, QXPB, QXPC

Length: 512 - 5000mm

**Relative power 150%**

<b>SPA</b>	<b>1400</b>	<b>QPX</b>	<b>-FEN</b>
Belt Section	Pitch Length (mm)	Belt Type	Fenner Brand

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## Quattro Plus CRE saves time and cost

### Problem:

Due to dryer fans operating at temperatures of over 95°C, an engineering company was facing significant maintenance and downtime caused by the belts on a dryer fan melting each week.

Too much time was spent on replacing the belts, so ERIKS UK & Ireland was asked to come up with a more viable solution.

### Solution:

ERIKS suggested the Fenner® Quattro PLUS CRE belt, which is manufactured using an EPDM construction with a temperature range from -40°C up to +130°C.

### Benefit:

Thanks to its robust and reliable profile, the PLUS CRE has provided the customer with the ability to undertake preventative maintenance, resulting in significant cost, downtime and replacement savings.



# Quattro PLUS TW

## Maximum Stability, Wide Range of Use

The Fenner® Quattro PLUS TW (twin wrapped) is a wrapped wedge belt that has been specifically designed to reduce belt elongation and improve stability. Suitable for a wide range of industries, it transmits 30% more power than traditional wrapped belts

- State-of-the-art wrapped chloroprene rubber construction
- Higher modulus polyester cord reduces belt elongation
- 2-ply asymmetrical weave outer jacket improves belt length stability and abrasion resistance
- Suitable for counterbending/backside idlers

### Ideal for Heavy Duty Applications:

- Waste compactors
- Shredders
- Crushers
- Heavy duty conveyors
- Bucket elevators
- Woodworking machinery
- Quarry plant
- Compressors
- Calendars

Sections: QSPZ, QSPA, QSPB, QSPC

Length: 1202 - 9500mm

**Relative power 130%**

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**SPC**

Belt Section

**7500**

Pitch Length (mm)

**QPTW**

Belt Type

**-FEN**

Fenner Brand

## £12,000 saving with Quattro Plus TW

### Problem:

A large quarry based in Wales was experiencing unplanned downtime due to the regular failure of their vee belts on the primary crusher drives.

Due to a number of adverse effects on the drives, the current belts were stretching unevenly, causing belt slippage, resulting in jumping from the pulley grooves.

### Solution:

The ERIKS application engineer provided the Fenner® Quattro PLUS TW wrapped belt. These belts are constructed using state-of-the-art wrapped chloroprene rubber, using high modulus polyester cord in order to reduce elongation, while the unique 2-ply asymmetrical weave outer jacket has high abrasion resistance, but remains flexible enough to wrap around small diameter pulleys.

### Benefit:

The customer has seen over £12,000 per annum in savings due to improvements in downtime and replacement costs. The maintenance staff now spends its time on preventive maintenance rather than reactive maintenance.

## Ultra PLUS CRE

Fenner® Ultra PLUS CRE wedge belts excel in high ratio compact applications by combining flexibility with structural stability.

- Special compounds improve flexibility and strength
- Higher running efficiency than wrapped belts
- Precision built (**FB**) allowing excellent length matching

Sections: XPZ, XPA, XPB, XPC,

Length: 512 - 2932mm

**Relative power 120%**

<b>SPA</b>	<b>1400</b>	<b>UPX</b>	<b>-FEN</b>
Belt Section	Pitch Length (mm)	Belt Type	Fenner Brand



**η96%**  
Energy Efficient

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## Ultra PLUS Wedge Belts

Fenner® Ultra Plus wedge belts are precision built (**FB**) allowing extended life, offering superior anti-static, heat and oil resistant properties.

- Ideal for use in single or multi-belt drives
- One shot tensioning for fit and forget applications
- Will not self-ignite under severe slip/stall conditions

Sections: SPZ, SPA, SPB, SPC, 8V

Length: 512 - 10600mm

**Relative power 100%**

<b>SPB</b>	<b>2240</b>	<b>-FEN</b>
Belt Section	Pitch Length (mm)	Fenner Brand



**η97%**  
Energy Efficient



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## University Upgrade with Ultra PLUS

### Problem:

ERIKS were contacted by a large university to undertake a feasibility study on a set of Air Handling Units (AHUs) that supplied air to the canteens and lecture halls.

The incumbent drives were old and inefficient, and the pulleys hadn't been changed for over ten years.

### Solution:

Designed with anti-static heat and oil resistant properties, the Fenner® Ultra PLUS CRE was recommended.

Installed alongside new pulleys, the university quickly saw improved drive efficiency and reduced running costs, resulting in a cost-effective and truly reliable solution.



## Fenner® QuickFix

The Fenner® QuickFix belt is incredibly versatile, featuring a dual groove profile so that one belt fits both V and wedge belts profiles.

- Quick and simple to install
- Available in four different width profiles; SPZ, SPA, SPB and SPC
- Comes in a five metre roll, enabling the maintenance teams to cut it to the desired length

Fenner® QuickFix enables you to reduce stock inventory considerably, requiring just two five metre boxes of each section size to cover all eventualities for both new and old systems and for both wedge belt and V belt profiles – saving time and money.

### Part Number:

SPZ - 283Z1111	SPB - 283B1111
SPA - 283A1111	SPC - 283C1111

## Why use Fenner® QuickFix Belts?

- Dual groove profile - means one belt fits both Vee and wedge belts
- Jointed belting - ensures minimum strip down when installing
- Any length - can be made to any length within minutes
- Reduces potential downtime - quick and simple to install keeping downtime to an absolute minimum

### Perfect for use in the following:

- Hospitals
- Airports
- Facilities Management Companies
- Universities
- Shopping centres and retail parks
- Distribution Centres
- Anyone with a belt drive!



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## A Quick Fix for Breakdowns

### Problem:

A well-known Facilities Management company were experiencing call out difficulties from customers who were experiencing breakdowns on their HVAC units.

Engineers would arrive on-site only to find they could not complete the task due to the lack of belts being stocked.

### Solution:

The Fenner® QuickFix emergency belt was the ideal solution. Available in four profiles: SPZ, SPA, SPB and SPC in 5 metre boxes meant any size belt could be accommodated and fitted without the need of strip down of machinery.

In addition this gave the engineer time to reorder the Fenner® rubber belts which could be fitted once they arrived.

Service levels for the FM company increased significantly following a relatively low investment the Fenner® QuickFix belt range - which is now carried by all the engineers - with the confidence that any breakdown calls can be quickly fixed.

**Tech**  
**DIRECT**

## Classic Vee Belts...

### Ever Considered Trading Up?

Vee Belts offer a versatile and economical low maintenance drive which is standardised throughout the world and Fenner® Classic Vee Belts are fully approved to all international standards allowing for optimised drives for compact size and economy.

### Increased Performance, More Power, Longer Life

But did you know that a simple upgrade to the Fenner® range of **Ultra PLUS wrapped wedge belts** will transmit significantly more power than the classical vee product and run in the same pulleys!

Fenner® Ultra PLUS wedge belts are available in a large range of lengths, and conform to all the relevant ISO, BS, DIN and RMA standards.

So why not upgrade your drives today to wedge belts – increase your drives capacity and efficiency.

Sections: Z, A, B, C, D  
Length: 380 - 13700mm  
**Relative power 70%**



## Size Matters...

### What Size Wedge Belts are You Buying?

How many times have you asked for an “odd” sized belt that we just don’t have in stock? But are you aware that there is a solution just sitting on the shelf?

For any belt drive, the pulleys can be adjusted closer together to allow removal or installation of the belt. Equally, the pulleys can be adjusted further apart to allow the belt to be tensioned correctly. These two adjustments are referred to as “Installation Allowance” and “Take Up Allowance”.

### For Example

You may be looking for a SPZ 1012 belt, but the standard size available is SPZ 1010, so what next?

You will see from the table below that there is 20mm installation allowance and a 20mm take-up allowance.

### So in Conclusion...

The 2mm difference in belt size will make no difference whatsoever, and a standard off-the-shelf product will do the job perfectly and you won’t be paying a premium.

### Installation and Take Up Allowances for Fenner® Wedge Belts

WEDGE BELT LENGTHS MM	SECTIONS AVAILABLE	INSTALLATION ALLOWANCE SPZ	INSTALLATION ALLOWANCE SPA	INSTALLATION ALLOWANCE SPB	INSTALLATION ALLOWANCE SPC	TAKE UP ALLOWANCE
Up to 630	SPZ	20mm				5mm
630 - 800	SPZ/SPA	20mm	25mm			10mm
800 - 1000	SPZ/SPA	20mm	25mm			15mm
1000 - 1250	SPZ/SPA	20mm	25mm			20mm
1250 - 1600	SPZ/SPA/SPB	20mm	25mm	30mm		25mm
1600 - 2000	SPZ/SPA/SPB	20mm	25mm	30mm		30mm
2000 - 2500	SPZ/SPA/SPB/SPC	20mm	25mm	30mm	50mm	40mm
2500 - 3150	SPZ/SPA/SPB/SPC	20mm	25mm	30mm	50mm	50mm
3150 - 4000	SPZ/SPA/SPB/SPC	20mm	25mm	30mm	50mm	60mm
4000 - 5000	SPA/SPB/SPC		25mm	30mm	50mm	70mm
5000 - 6300	SPB/SPC			30mm	50mm	85mm
6300 - 8000	SPB/SPC			30mm	50mm	105mm
8000 - 10000	SPB/SPC			30mm	50mm	140mm
10000 - 12500	SPC				50mm	175mm





## PolyDrive PLUS Poly V Belts

Fenner® PolyDrive PLUS ribbed belts are an ideal solution for compact drives in household appliances and heavy machinery.

The ribbed belts enable economic solutions even under difficult drive conditions, such as large transmission ratios, high belt speeds, small pulley diameters and back idler pulleys.

- High belt speeds up to 60m/s
- Designed for high transmission ratios
- High power output
- Low vibration efficient belt
- Long service life
- Fully approved to all international standards
- Static conductivity to ISO 1813

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### Imperial

<b>695</b>	<b>PL</b>	<b>8</b>	<b>-FEN</b>
Length	Pitch	No of Ribs	Fenner Brand

### Metric

<b>1765</b>	<b>PL</b>	<b>8</b>	<b>-FEN</b>
Length	Pitch	No of Ribs	Fenner Brand

## PowerFlex PU Belting

The Fenner® PowerFlex metric timing belt is manufactured from a high-grade polyurethane material, reinforced with helically wound zinc coated steel tension member, allowing high breaking load and extremely low elongation.

With excellent dimensional stability, consistent length and thickness, it's ideal for use in processing and packaging industries, along with any clean areas where contamination would be an issue.

- Also available in open lengths
- Non-standard widths cut from stocked sleeves
- Steel Cord winding in S and Z profile allow high breaking load and extremely low elongation
- Ozone and temperature resistance [-25°C / +80°C]
- Oil, grease and gasoline resistance

<b>16</b>	<b>T5</b>	<b>-1500</b>	<b>-FEN</b>
Width	Profile & Pitch	Belt Length	Fenner Brand



## Why use Fenner® PowerFlex PU Belting?

Manufactured in thermoplastic polyurethane that gives superior wear and abrasion resistance

- High Power Transmission
- The Steel Cord gives good running characteristics and high traction loads.
- Low noise running
- Free maintenance
- Low pretension
- Constant length



## Upgrade your Chain Drives to Fenner® Torque Drive PLUS 3

To determine your drive requirements to replace existing chain, or determine requirements for the new Fenner® Torque Drive PLUS 3 synchronous belt drive, give your local service centre a call.

- Free from maintenance; no wear elongation, no need for regular adjustment
- Free from lubrication costs and oil contamination of machine or product
- Free from the space limitations associated with traditional synchronous belt drives
- Free extended service life, Fenner® TDP3 synchronous belts offer up to twice the normal service life compared to chain drives

### Fenner® Torque Drive PLUS 3 Drive versus Chain Drive

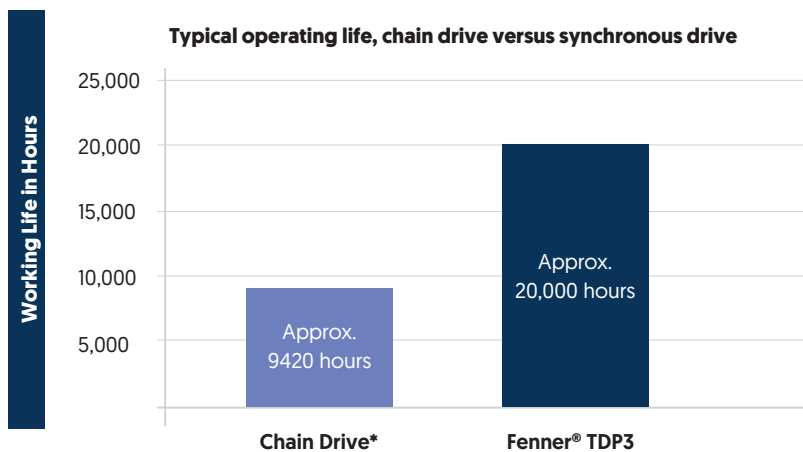
- Same size, and space envelope
- Lighter and quieter
- Greater power rating
- Up to twice the service life

Widths: 20 - 170mm

Pitches: 8, 14mm

**Relative power 150%**

14MXP-	3150-	55-	GT3-FEN
Pitch (mm)	Length (mm)	Width (mm)	Fenner Brand



\*Chain drive: 2.2kW 3:1 reduction chain drive using 122 pitches ½" BS chain using 19 tooth driver and 57 tooth driven sprockets at 510mm centre distance.

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**η 96%**  
Energy Efficient

## Torque Drive PLUS 3

The state-of-the-art Torque Drive PLUS 3 works with standard HTD pulleys to provide the ultimate combination of power capacity, low noise and high accuracy in a belt drive.

- The highest power rating in the range
- Enhanced compounding and glass fibre cord excel in highly dynamic applications
- Ultra compact and cost effective
- Quiet operation even at high speeds
- Replaces HTD belts to extend life and increase load capability



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## HTD Timing Belts

Fenner® HTD belts have a curvilinear tooth form giving a more uniform distribution of shear stresses within the teeth. This also provides a more uniform transition of tooth loads to the tensile members in the belt which significantly improves upon classical timing belts.

- Ultra compact and cost-effective drives
- Runs optimally on standard HTD pulleys
- Minimum backlash for precise positioning
- Non-standard widths cut to size from stock sleeve
- ISO 13050

Widths: 9 -170mm

Pitches: 5, 8, 14mm

**Relative power 100%**

**1040**

Length (mm)

**-8M**

Length (mm)

**30**

Width (mm)

**-FEN**

Fenner Brand

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## Can't Find The Right Size?

Try Our Belt Cutting Service

### In-House Belt Cutting Service

If you can't find the correct size belt, give your local ERIKS Service Centre a ring and they will be able to call upon our in-house belt cutting service based at the Power Transmission Centre of Expertise.

We stock a wide range of Timing Belts and Multi Vee Belts in sleeve from which can be cut to any width required.

#### Profiles include:-

- |                       |                   |
|-----------------------|-------------------|
| ■ Classic Belt        | XL, L, H and XH   |
| ■ HTD                 | 5mm, 8mm and 14mm |
| ■ Torque Drive PLUS 3 | 8mm and 14mm      |
| ■ PU Metric           | T5, T10 and AT10  |
| ■ Multi V Rib         | PJ, PK, PL, PM    |



**Continental**   
The Future in Motion

CONTI<sup>®</sup> SYNCHROFORCE CARBON

## CONTI<sup>®</sup> SYNCHROFORCE CARBON

The Allrounder

Power Transmission Group

**ContiTech**

## Timing Belts from CONTI®

### CONTI® Synchrochain Heavy Duty Timing Belt

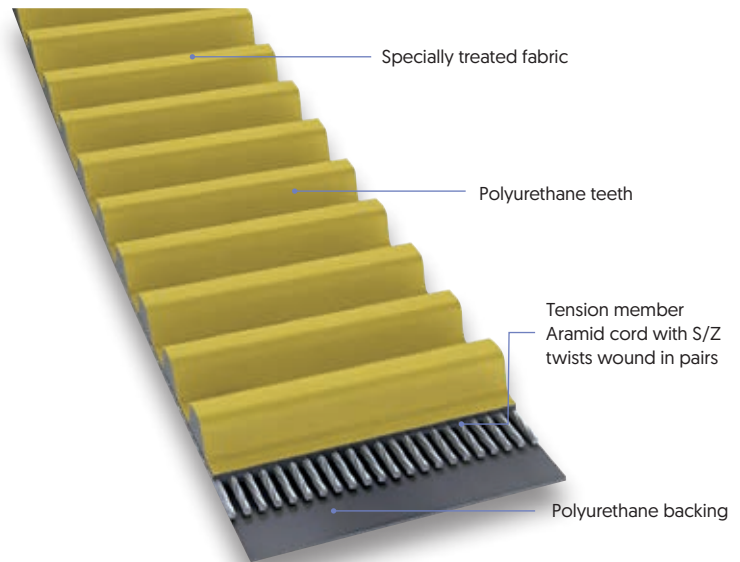
The newly developed CTD profile ensures faultless meshing and smooth running at high speeds. At the same time it prevents a jump-over at high torques.

The Conti® Synchrochain is well-equipped to cope with a wide range of requirements. It's suitable for new drive designs and, at the same time, also compatible for use in existing systems. Available in pitches CTD8M and CTD14M. Details of pitch, lengths and widths can be obtained on request.

#### Properties:

- Temperature range, depending on application from -40°C to +80°C
- Suitable for tropical climates
- Resistant to aging and ozone
- Withstands reverse flexing
- Resistant to oils, grease and fuel
- Conditionally resistant to acid and lye
- Raw materials and production are silicone free

**Continental**   
The Future in Motion



### CONTI® Synchrochain Carbon Heavy Duty Timing Belt

Conti® Synchrochain Carbon utilises state-of-the-art materials with unparalleled smart production techniques which result in one of the most versatile and technically outstanding products on the market today. Whether your key driver is maximum production out, minimum drive size or total cost of ownership – Conti® Synchrochain Carbon is the solution!

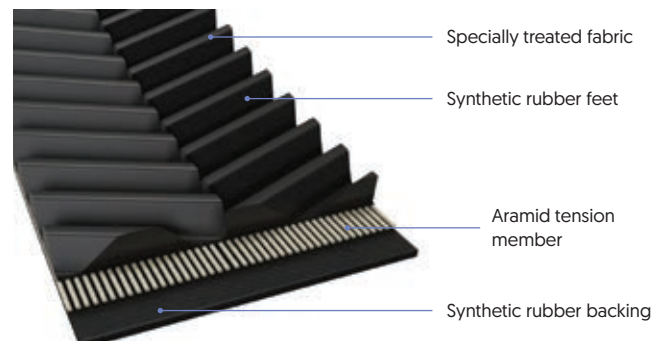
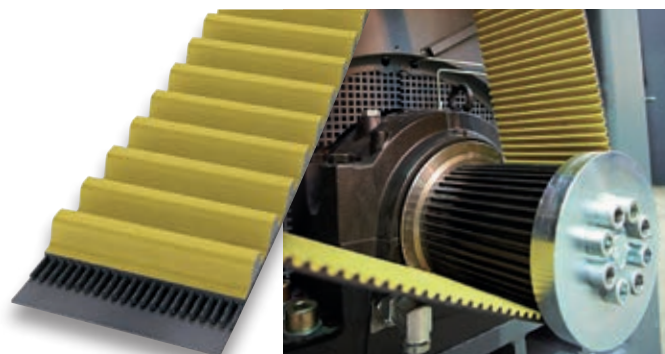
- Higher power capacity
- Almost zero tension loss [initial]
- Excellent length stability
- Reduced belt width
- Increased service life
- Reduced system costs and drive envelope

### CONTI® SilentSync Self-tracking Timing Belt

Conti® SilentSync is a self-tracking timing belt made for very quiet and reduced vibration operation, making it an excellent choice for horizontal drives

#### Properties:

- Temperature range from -40°C to +85°C
- Electrically conductive to ISO 9563
- Very low noise
- Low vibration
- Resistant to ageing and ozone
- Conditionally oil-resistant
- Maintenance-free



## POWERTWIST DRIVE®

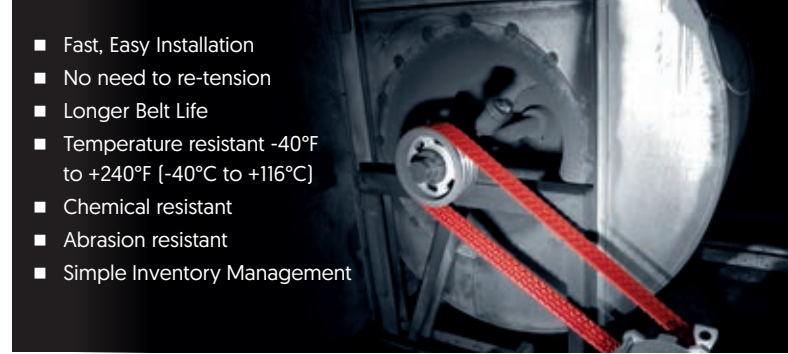
POWERTWIST DRIVE is a high performance alternative to rubber belts. Individual links are made of high performance polyurethane/ polyester composite material.

This allows the belt to withstand low and high temperatures of -40°F to 240°F [-40°C to 116°C], resist effects from chemicals, and have a high resistance to abrasion. The belts link design dissipates transmitted vibration while also allowing the users to make the belt to any length, reducing inventory. Assembly is as easy as twisting links together by hand and rolling the belt onto existing equipment. Whether a fixed or captive drive, the belt can be assembled and installed without removing components.

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- Fast, Easy Installation
- No need to re-tension
- Longer Belt Life
- Temperature resistant -40°F to +240°F [-40°C to +116°C]
- Chemical resistant
- Abrasion resistant
- Simple Inventory Management



	CURRENT BELT	NEW POWERTWIST DRIVE®	SAVING/COST
<b>PRODUCT COSTS</b>			
Belt cost per linear foot (LF)	€4.64	€14.64	+€10
Linear foot per unit	225	225	
<b>TOTAL COST OF LF OF BELT USED PER BELT</b>	€2,088	€3,294	+€1,206
<b>GRAND TOTAL (38 BELTS PER YEAR)</b>	€79,344	€125,172	+€45,828
<b>LABOUR COSTS</b>			
Belt changes per year (during production)	2	1	1 Change
Hours to change belt	6	1	5 Hours
Labour rate per hour	€160	€160	€0
<b>TOTAL</b>	€1920	€160	€1,760
<b>GRAND TOTAL (38 BELTS PER YEAR)</b>	€72,960	€6,080	€66,880
<b>PRODUCTION COSTS</b>			
Production cost per hour per unit	€2000	€2000	€0
<b>TOTAL</b>	€24000	€2000	€22,000
<b>GRAND TOTAL (38 BELTS PER YEAR)</b>	€912,000	€76,000	€836,000
<b>TOTAL SAVINGS</b>			<b>€857,052</b>
<b>POTENTIAL YEARLY COST SAVINGS</b>			<b>€902,880</b>

PART NO	DESCRIPTION
POWERTWIST-Z	Z Section Link Belting
POWERTWIST-A	A Section Link Belting
POWERTWIST-B	B Section Link Belting
POWERTWIST-C	C Section Link Belting
POWERTWIST-AA	AA Section Double-sided Link Belting
POWERTWIST-BB	BB Section Double-sided Link Belting

## Success Story: Power Transmission Stamping Press Application

Savings: €902,880

### Problem:

- Rubber belts took 6 hours to replace
- Rubber belts deteriorated due to oils and lubricants in the air

### Solution:

- No press disassembly required – installed in 60 minutes
- No re-tensioning required – saving an additional 1-2 hours
- Longer life – resistance to oil and lubricants



## 3 Simple Steps to Increase Productivity

70% of belt drives are estimated to be operating inefficiently and are in imminent danger of failing.

By taking a proactive stance to belt drive maintenance and looking at the condition of the belt and pulley set, you can bring both peace of mind and productivity improvements.

### It's as easy as 1, 2, 3...

#### 1 Check Pulley Condition

The drive stands or falls by the accuracy of its installation, so don't forget to check the condition of your pulleys – 50% of new belts are fitted to worn pulleys, which can waste up to 10% of your energy input.

The Fenner® groove gauge can quickly help you assess the health of your pulleys.

Request your free groove gauge here [eriks.co.uk/pulley-gauge](http://eriks.co.uk/pulley-gauge)

#### 2 Select the Correct Drive Solution

PULLEY CONDITION	NEW BELT ULTRA PLUS	↑ ULTRA PLUS CRE	↑ QUATTRO PLUS TW
	Worn Pulley	 > 1 year	 > 1½ years
New Pulley	> 3 years	> 3½ years	> 4 years

#### 3 Install Correctly

Correct installation once you have carefully selected your belt drive components is paramount to the longevity and efficiency of your belt drive. We are able to offer you a range of installation tools to help you maximise productivity and uptime.

#### Fenner® Belt Efficiency Kit

Ensure you get the most out of your wedge belts with the Fenner® Belt Efficiency Kit. Containing all the tools required to help achieve optimal performance, this kit includes:

- Belt tension indicator
- Pulley groove gauge
- Guide to wedge belt efficiency



PART NO

230K0000

#### Fenner® Alignment Laser

The perfect tools for pulley and sprocket alignment, the Fenner® Alignment Laser is applied magnetically in seconds. The laser line projects onto targets, allowing rapid adjustment and perfect alignment every time.

- Reduces wear on belts, pulleys, chains and sprockets
- Increases drive efficiency for larger energy savings
- Produces accurate results
- Quick and easy
- Suitable for both vertical and horizontal mounted machines



PART NO

FEN/A/230L0000

## Vee & Wedge Taper Lock® Pulleys

Statically balanced to grade G6.3 for high accuracy

Superior material specification and design allows guaranteed optimal performance at rim speeds up to 40m/s. Designed for use with both Vee and wedge section belts.

- Dual duty grooves to ISO 4183, dual duty pulleys accept both wedge and Vee belts
- High grade cast iron used for construction
- All pulleys are statically balanced
- Rim speeds to a maximum of 40m/s
- Special designs available

SPA

500

X5

-FEN

Belt Section

Pitch Dia.[mm]

No of Ribs

Fenner Brand

Available in:

**Z, SPZ, XPZ, QXPZ** from 56–630mm pitch dia.

**A, SPA, XPA, QXPA** from 80–800mm pitch dia.

**B, SPB, XPB, QXPB, USPB** from 112–1000mm dia.

**C, SPC, XPC, QXPC, USPC** from 200–1250mm pitch dia.



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## Save Energy, Improve Efficiency...

Your belt drive stands or falls by the accuracy of its installation, so don't forget to check the condition of your pulleys. 50% of new belts are fitted to worn pulleys, which can waste up to 10% of your energy input.

- Worn pulleys waste up to 10% of energy input
- Check yours now with the Fenner® pulley groove gauge

**Request your free pulley groove gauge today!**

<http://eriks.co.uk/pulley-gauge>

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## Why Choose Fenner® Friction Pulleys

Available with pilot bore fixings or using Taper Lock® shaft fixings system for ultimate versatility.

- Manufactured to ISO standards
- Surface treated to reduce corrosion
- Specials available



Worn Pulley



New Pulley

**ERIKS**

0121 508 6000





## Timing Pulleys

Fenner® timing pulleys are manufactured from steel and high grade cast iron (GG25), tolerate shock loadings and can achieve rim speeds of up to 40m/s.

- Available in both Classical Timing and HTD profiles
- Meet ISO 13050 and ISO 5296 standards
- High grade cast iron used for construction
- Precision machined grooves protect and maximise belt life while reducing noise emissions
- Special designs and sizes are available
- Maximum rim speed up to 40m/s
- Available with standard Taper Lock® fitting

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**40**

Belt Section

**-8M**

Pitch Dia.(mm)

**20**

No of Ribs

**-FEN**

Fenner Brand

## Have you seen...

### Our On-Line Drive Design Assistant

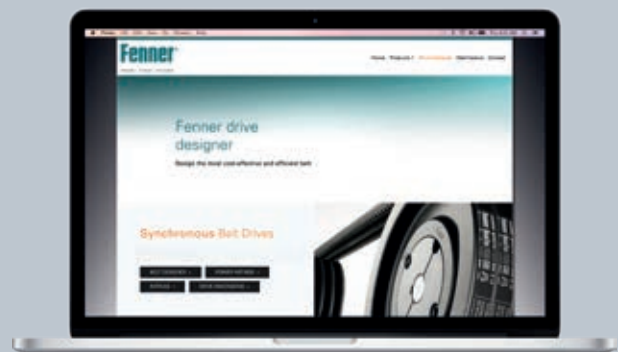
Our Fenner® belt efficiency kit?

#### Get the most from your wedge belt drives with the Fenner® Belt Efficiency Kit.

The kit contains all the tools necessary to help achieve optimum performance:

- Belt tension indicator
- Pulley groove gauge
- Guide to wedge belt efficiency

Product Code: 230K0000



Visit <http://selectors.fptgroup.com>

and check out this invaluable FREE resource!

# Fenner® PLUS Roller Chain

## High Performance Chain

Fenner® PLUS chain has been designed to provide the optimum combination of tensile strength, wear resistance and fatigue life.

### Increased fatigue resistance

- Shot peening of roller and side plates gives increased fatigue resistance
- Ball swaged side plate holes improve finish and combat fatigue failure
- Deep waisted side plates increase effective cross section lowering fatigue

### Fit and forget reliability

- Preloaded to bed in all component parts
- Final 100% quality check enabling you to simply fit and forget



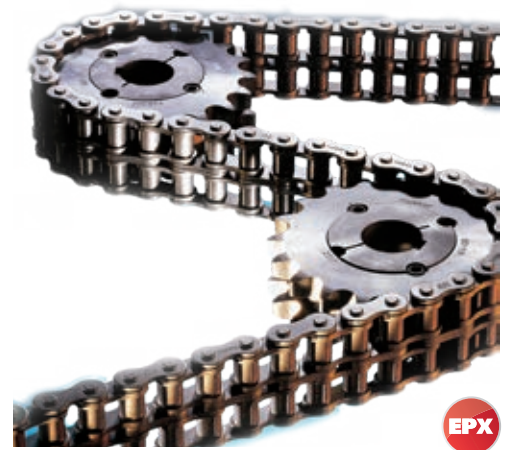
### Also available

OKS Chain and Drive Spray

Product Ref:  
OKS3751-500ML

# Fenner®

Reliable | Trusted | Connected



## Sprockets

Fenner® sprockets are available with either Taper Lock® or pilot bored fixings and are precision manufactured from fine grade steel. Sprockets are available in simplex, duplex and triplex forms for sizes 05B to 20B.

- Surface treated to reduce corrosion
- Short-reach bushes on selected sizes - compact hubs
- Hardened teeth on Taper Lock® sprockets

**5/8**

Pitch (Inches)

**D-**

Form

**27T**

No of teeth

**TL**

Fixing

**-FEN**

Fenner Brand

## Sprocket Reworking Service

The ERIKS Power Transmission Technology Centre has the capabilities to offer a sprocket reworking service.

- Stocking 3/8" to 3/4" pitch simplex in preferred tooth numbers
- Bored to H7 tolerance
- B.S. keyway/grub screw



# Lubrication Free Chain

## The Greener Cleaner Option

Fenner® PLUS Lubrication-Free roller chain utilises sintered bush chain technology which negates the need to pre-lubricate the chain for storage or running.

The porous bush is lightly impregnated with oil which gives the same performance characteristics as lubricated chain without the need for periodical applications of lubricant whilst the chain is in use.

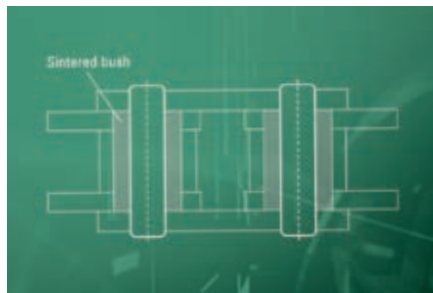
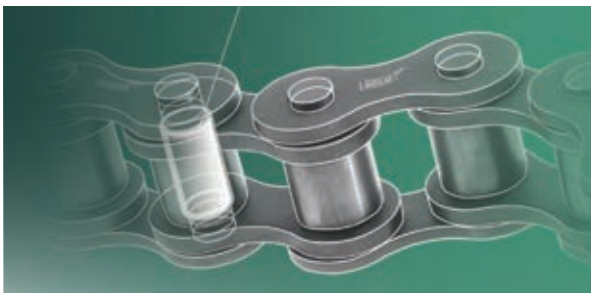
This reduces risk to personnel as they don't have to climb into machines to lubricate product and reduces waste oil products having to be recycled safely and legally.

Fenner® PLUS lubrication-free roller chain is an ideal solution for situations where lubrication is difficult or contamination and fire are serious potential problems.

- **Built-in lubrication** – Fenner® PLUS lubrication-free chain has been specially manufactured to exacting standards and features its own built-in lubrication
- **Using sintered bushes** impregnated with oil, Fenner® lubrication-free chain can operate at up to 2.5m/sec, which is more than twice that of composite bush chains

# Fenner®

Reliable | Trusted | Connected



## Dramatically Reduced Downtime

### Problem:

ERIKS were contacted by a large pet food manufacturer, who were experiencing problems with the roller chains on their pet food conveyors.

The chains were failing after just six months of use, and were also contaminated with debris attracted by excess oil which had been applied to the products. Following a site visit and after a lengthy technical discussion it was recommended that Fenner® PLUS lubrication-free roller chain would be the best solution.

### Solution:

Not only would this negate the need for costly and time consuming maintenance procedures, it would save the customer the expense of recycling the oil based lubricant after use.

100 metres were subsequently trialled, and a year later are still performing! The end user is delighted not only with the enhanced performance, but also with the lube-free benefits using this product resulting in an environmentally friendly factory. All conveyor lines have been and will continue to be fitted with Fenner® PLUS lubrication-free roller chain.



*Power Transmission Solutions*



- *Cross+Morse are a UK Manufacturer*
- *BS9001:2015 accredited*
- *CrossBore® fast reworking facility*
- *Special Manufacture*
- *Large stocks of standard products*
- *[www.crossmorse.com](http://www.crossmorse.com)*

## Fenner® PLUS Adapted Chain

Fenner® PLUS adapted chain builds on the heritage and engineering experience of the Fenner® product range by optimising the benefits of performance enhancing features which work together to give Fenner® PLUS chain the optimum combination of tensile strength, wear resistance and fatigue life.

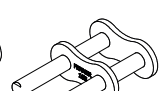
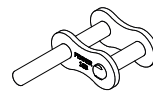
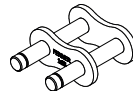
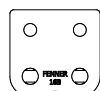
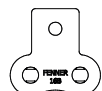
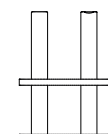
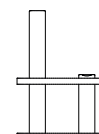
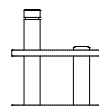
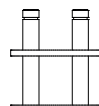
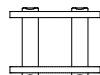
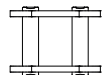
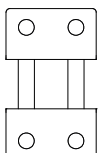
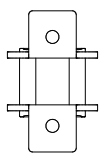
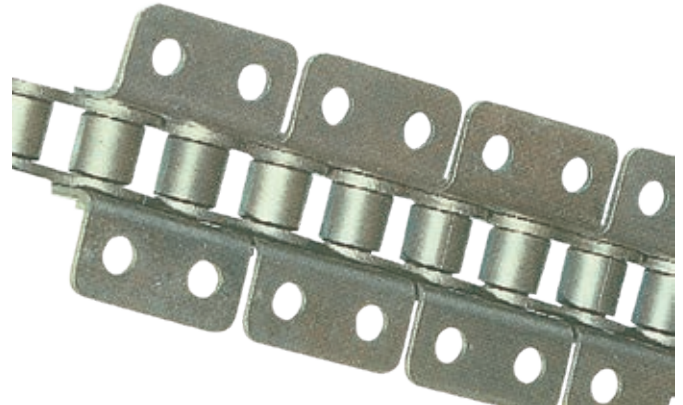
- Enhanced performance in hostile environments
- Solid rollers manufactured to achieve high surface hardness
- Shot peened plates for increased fatigue resistance and extended chain life

### Everything You Need

- Carbon and stainless steel variants
- British (BS) and American (ANSI) standard specification
- Simplex and duplex
- K and M attachments
- Extended pin variants
- Hollow pin variants
- Matched lengths available

# Fenner®

Reliable | Trusted | Connected



**K1**

**K2**

**M1**

**M2**

**163**

**164**

**563**

**564**

**Circlip Type**

**EXTENDED PINS**

**Plain Duplex Pin**

## 3 Simple Steps to an Adapted Solution

1. Determine your adapted chain requirement using our simple adapted chain enquiry form and pass to your ERIKS representative
2. Our engineering team will assess and quote for your requirements
3. We will assemble and deliver your adapted chain swiftly and efficiently so that you can enjoy the market leading benefits of Fenner® PLUS adapted chain

# EVERYTHING YOU NEED FOR SUPERIOR CHAIN PERFORMANCE.

For over 140 years, the Renold group has delivered high precision engineered and power transmission products to customers across the globe.

Our market-leading products can be seen in diverse applications from cement making to chocolate manufacturing, subway trains to power stations, escalators to quarries; in fact, anything that needs to be lifted, moved, rotated or conveyed.

## High Performance



### RENOLD Synergy

High wear and fatigue resistance. Suitable for high speed drives.

## Lubrication Free



### RENOLD Syno™

Dry-to-the-touch, low maintenance with an FDA approved lubricant and coating. Able to operate down to -20 °C.

## Abrasion Resistance



### RENOLD Sovereign

High wear and shock load resistance. Suitable for high speed or heavy load applications.

## Transporting Delicate Goods



### Klik-Top™

Highly durable polymer clip protecting goods from damage and the base chain from premature wear.

## Corrosion Resistance



### RENOLD Hydro Service

Strength of carbon steel chain with superior corrosion resistance. Ideal for wash down areas.



### RENOLD Stainless Steel

For medium load applications where high resistance to corrosion is critical.



### Nickel-Plated

For applications where enhanced corrosion protection is required.



### Zinc-Plated

For applications susceptible to light corrosion.

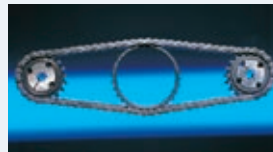
## Renold transmission chain accessories also available



Chain Wear Guides



Chain Pin Extractor



Roll-Ring Chain Tensioner

# RENOLD

[www.renold.com](http://www.renold.com)

## Synergy Chain

The only true high performance roller chain on the market! This isn't our verdict, but that of engineers around the world, who consistently report that these superb products offer excellent wear and fatigue resistance and exceptional working life.

Its performance which results from years of research and development to deliver a product which is quite simply the most reliable of its kind.

- Backed by the Synergy Wear Life Guarantee
- Unbeatable wear resistance delivers maximum productivity
- Special platinum-coloured connecting link for easy identification and fast disconnect
- Unique end-softened pins for quick and easy cutting to length – without damaging the rest of the chain
- High resistance to shock loading

# RENOLD

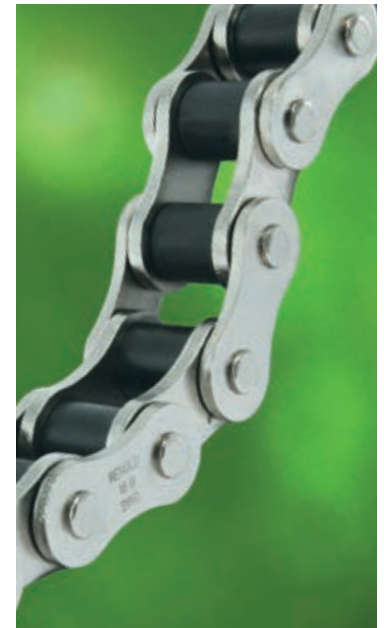
	PART NO	ISO REF	PITCH (INCH)	BOX QUANTITY (FT)
SIMPLEX	110038-25FT-REN	06B-1	3/8	25
	110046-25FT-REN	08B-1	1/2	25
	110056-25FT-REN	10B-1	5/8	25
	110066-25FT-REN	12B-1	3/4	25
	110088-10FT-REN	16B-1	1	10
	110106-10FT-REN	20B-1	1.1/4	10
DUPLX	110127-10FT-REN	24B-1	1.1/2	10
	114038-25FT-REN	06B-2	3/8	25
	114046-25FT-REN	08B-2	1/2	25
	114056-25FT-REN	10B-2	5/8	25
	114066-25FT-REN	12B-2	3/4	25
	114088-10FT-REN	16B-2	1	10
TRIPLEX	114106-10FT-REN	20B-2	1.1/4	10
	114127-10FT-REN	24B-2	1.1/2	10
	116038-25FT-REN	06B-3	3/8	25
	116046-25FT-REN	08B-3	1/2	25
	116056-25FT-REN	10B-3	5/8	25
	116066-25FT-REN	12B-3	3/4	25
	116088-10FT-REN	16B-3	1	10
	116106-10FT-REN	20B-3	1.1/4	10
	116127-10FT-REN	24B-3	1.1/2	10

## Syno Chain

If lubrication's a problem – here's the solution! Designed around unique Renold technology, these chains set a new benchmark for chain performance with little or no lubrication. Offering real improvements in working life, thanks to outstanding wear and fatigue resistance, the range covers both small and large pitch sizes and is dimensionally interchangeable with standard chains. Using food industry-approved lubricant within the sintered bush, they have an ISO standard pin diameter, and therefore standard attachments on the outer links.

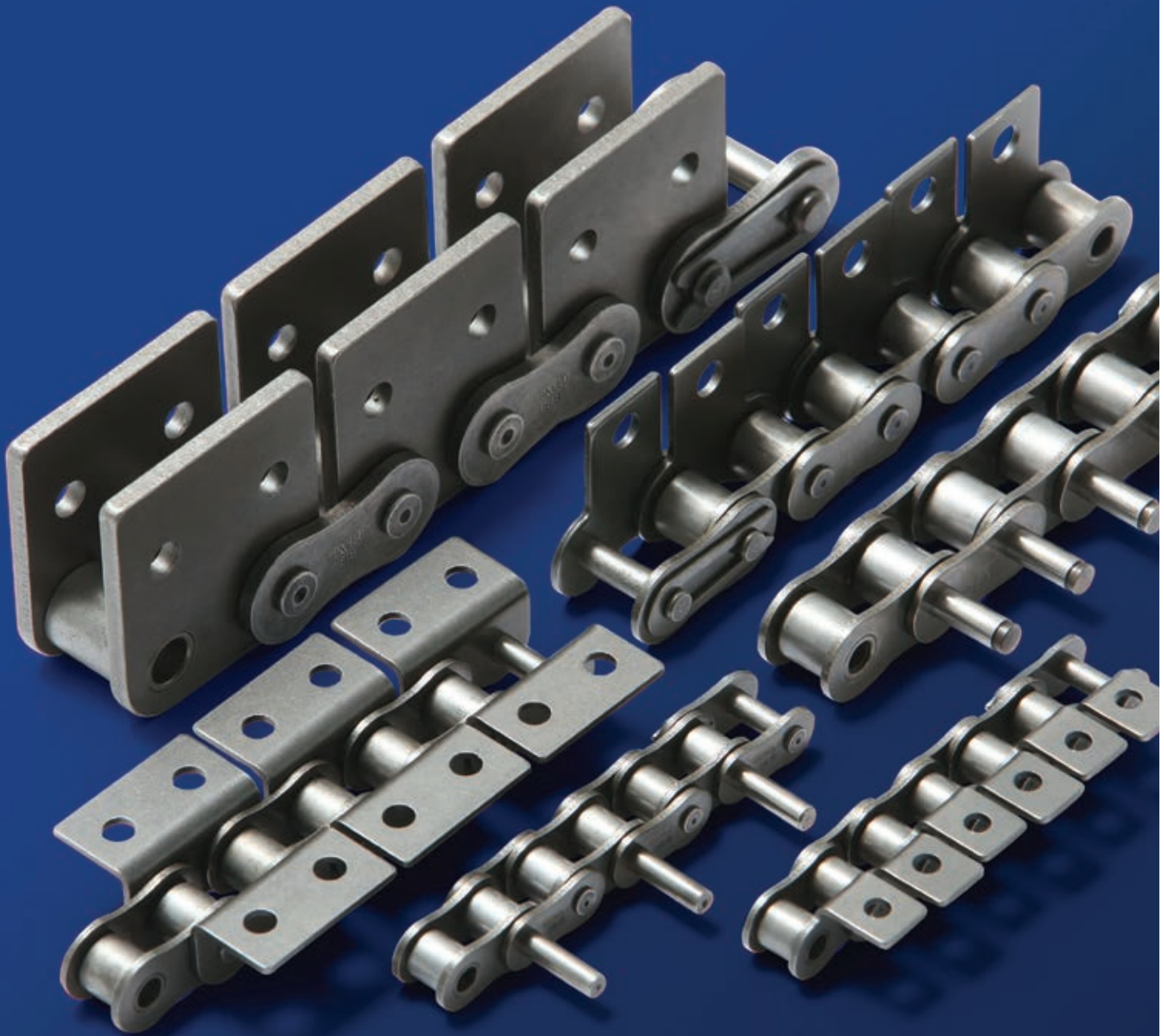
- Large and small pitch sizes
- No lubrication normally required
- Totally dry to the touch
- Nickel-plated plates
- Excellent corrosion resistance
- Unique food industry-approved roller coating
- Dimensionally interchangeable with standard chain
- ISO standard pin diameter

PART NO	ISO REF	PITCH (INCH)	BOX QUANTITY (FT)
110438-10FT-REN	06B-1	3/8	10
110446-10FT-REN	08B-1	1/2	10
110456-10FT-REN	10B-1	5/8	10
110466-10FT-REN	12B-1	3/4	10
110488-10FT-REN	16B-1	1	10



**The biggest single innovation in power transmission technology since Renold invented the bush roller chain**

Unparalleled wear resistance and performance



## *Attachment Chain from Renold.*

Attachment chain requires excellent service; prompt quoting, rapid availability and quick delivery.

**RENOLD**  
Superior Chain Technology



## Renold Sovereign

Renold Sovereign is the perfect solution for abrasive environments where dirt and dust ingress is commonplace. Renold Sovereign offers up to 4 times longer wear life, reduces pin wear and is suitable for high speed or heavy load applications.

	PART NO	ISO REF	PITCH (INCH)	BOX QUANTITY (FT)
SIMPLEX	110846-25FT-REN	08B-1	1/2	25
	110856-25FT-REN	10B-1	5/8	25
	110866-25FT-REN	12B-1	3/4	25
	110888-10FT-REN	16B-1	1	10
DUPLX	114846-25FT-REN	08B-2	1/2	25
	114856-25FT-REN	10B-2	5/8	25
	114866-25FT-REN	12B-2	3/4	25
	114888-10FT-REN	16B-2	1	10



## Renold Stainless Steel

Renold Stainless Steel chain should be selected when resistance to chemical action is critical. Ideal for use in food processing.

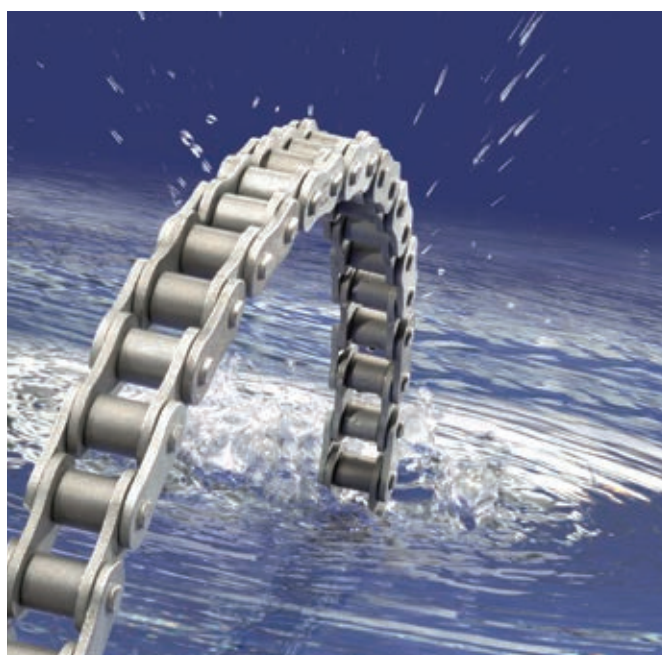
	PART NO	ISO REF	PITCH (INCH)	BOX QUANTITY (FT)
SIMPLEX	185118-10FT-REN	05B-1	5/16	10
	185302-10FT-REN	06B-1	3/8	10
	181707-10FT-REN	08B-1	1/2	10
	180280-10FT-REN	10B-1	5/8	10
	185634-10FT-REN	12B-1	3/4	10
	187900-10FT-REN	16B-1	1	10
DUPLX	185122-10FT-REN	06B-2	3/8	10
	185125-10FT-REN	08B-2	1/2	10
	185126-10FT-REN	10B-2	5/8	10
	185127-10FT-REN	12B-2	3/4	10
	185128-10FT-REN	16B-2	1	10



## Renold Hydro-Service

Renold Hydro-Service chain delivers superior corrosion resistance, lasting up to 30 times longer than standard carbon steel in applications that have to deal with water or salt spray.

	PART NO	ISO REF	PITCH (INCH)	BOX QUANTITY (FT)
SIMPLEX	530038-10FT-REN	06B-1	3/8	10
	530046-10FT-REN	08B-1	1/2	10
	530056-10FT-REN	10B-1	5/8	10
	530066-10FT-REN	12B-1	3/4	10
	530088-10FT-REN	16B-1	1	10
	530106-10FT-REN	20B-1	1,1/4	10
	530127-10FT-REN	24B-1	1,1/2	10
DUPLX	534038-10FT-REN	06B-2	3/8	10
	534046-10FT-REN	08B-2	1/2	10
	534056-10FT-REN	10B-2	5/8	10
	534066-10FT-REN	12B-2	3/4	10
	534088-10FT-REN	16B-2	1	10
	534106-10FT-REN	20B-2	1,1/4	10
534127-10FT-REN	24B-2	1,1/2	10	



## Tensioners

The new range of Fenner® tensioners have been designed to help maximise drive efficiency whilst extending your drive lifecycle.

Range includes tension arms in cast iron and stainless steel – standard and front mount – with a boomerang version.

Fixtures include Simplex, Duplex and Triplex idler sprockets, chain riders and rollers, with supporting brackets to complement the range.

# Fenner®

Reliable | Trusted | Connected

### Why choose

#### Fenner® Tensioners

- Increases chain and belt life
- Noise and vibration damping
- Absorbs shock loads
- Maintenance free
- Safe in operation
- Self-adjusting
- Progressive spring characteristics
- Operating angle -30° to 30°
- Resistant to temperature -40° to 80°C



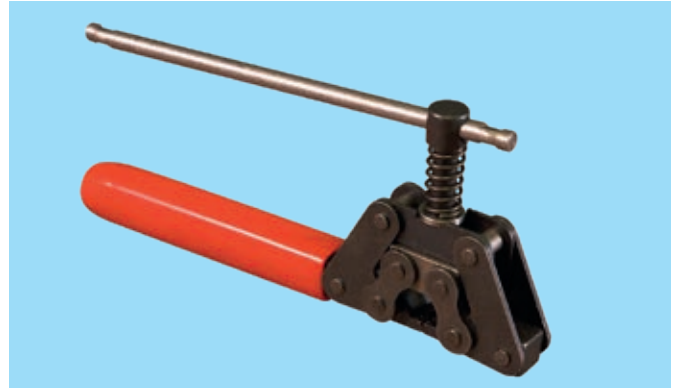
TENSIONER				SIMPLEX	DUPLEX	TRIPLEX
PITCH NO	TEETH	SIZE STANDARD	TENSIONER			
3/8"	15	FT2	186B0002	186SI001	186D2001	186T3001
3/8"	15	FT3	186B0003	186SI001	186D2001	186T3001
1/2"	15	FT4	186B0004	186SI002	186D2002	186T3002
5/8"	15	FT5	186B0005	186SI003	186D2003	186T3003
5/8"	15	FT5	186B0005	-	-	186T3004
3/4"	15	FT5	186B0005	186SI004	186D2004	-
3/4"	15	FT6	186B0006	186SI005	186D2005	186T3005
1"	13	FT6	186B0006	186SI006	186D2006	186T3006
1.1/4"	13	FT7	186B0007	186SI007	186D2007	186T3007
1.1/4"	13	FT8	186B0008	186SI007	186D2007	186T3007
1.1/2"	11	FT7	186B0007	186SI008	186D2008	186T3008
1.1/2"	11	FT8	186B0008	186SI008	186D2008	186T3008



**RENOLD**

## Chain Pin Extractor

Do you have to grind chain to cut it? Renold makes cutting chain easy. Using the Renold Chain Pin Extractor cutting chain is effortless, it takes just seconds and there's no mess.



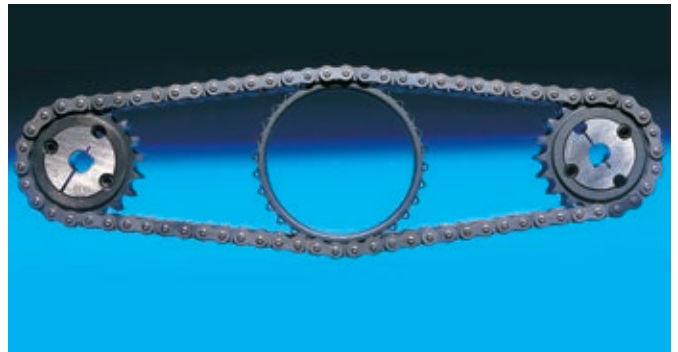
## Chain Wear Guide

You can use a simple wear guide to identify when your chain has reached the point when it needs to be replaced. Running a worn chain will reduce efficiency, accelerate the wearing of sprocket teeth and increase operational noise. The Renold Chain Wear Guide helps you to measure chain extension and improve maintenance.



## Roll Ring

Design is based upon a toothed ring that can be fitted to horizontal, vertical or diagonal drives in a matter of seconds, simply by placing it in-between the two strands of chain. When the drive is in use, the Roll-Ring deforms to an elliptical shape, due to the compression between the strands and completely absorbs any slack in the system. Roll-Ring performs the job of a tensioner and a damper in one, and is ideally suited to applications where maintenance is difficult or impossible.



## Renold Chain Selector

The new Chain Selector from Renold makes it even easier to specify the right transmission chain for the job. You can quickly and easily generate a selection, alter parameters to include environmental factors like corrosion or lubrication, and even allow for applications with shock loads.



## Which Shaft Fixing is right for your application?

# Fenner®

Reliable | Trusted | Connected



**Simple**

### Fenner® Taper Lock® Bushes

Exclusively for use with Taper Lock® bored pulleys, sprockets and couplings, it's an easy to install, off-the-shelf solution.

Offering a full range of both metric and imperial sizes as well as a full range of weld-on hubs, bolt-on hubs and hub adaptors.

**Available for shafts 9 to 125mm diameter - up to 7,400Nm transmission.**

- Quick and easy to install or remove
- Unique 4-hole design to reduce vibration for balanced assemblies
- Removes the need for re-boring with a full range of both metric and imperial bores
- Manufactured from high grade, close-grain grey iron or steel



**Standard**

### FenLock™ Cone Clamping Elements

Extreme duty, high torque transmission shaft fixing. The ultimate solution for arduous equipment where reliability is essential.

Offering simple installation, increased shaft strength and high torque transmission capacity.

**Available for shaft sizes 6 to 900mm diameter - transmission of up to 1,650kNm.**

- Accommodates infinite axial and radial positioning
- Can be installed and removed multiple times
- Enclosed design eliminates ingress of contaminants
- Offers high torque transmission capacity



**Solutions**

### Fenner® TranTorque GTR

Fast and accurate, single fastener shaft locking. Ideal for quick change parts or assemblies.

It offers a mechanical shrink-fit eliminating the problems of fretting corrosion, backlash and key wallowing.

**TranTorque Mini available for 5 to 16mm shafts (up to 50Nm transmission).  
TranTorque GTR available for 15 to 75mm shafts (up to 2000Nm transmission).**

- Precise radial and axial adjustments on shafts
- Self-centering, requires no location diameter to retain concentricity
- Offers a mechanical shrink-fit eliminating backlash
- Can be used directly over empty keyways to repair a worn or damaged connection

# Taper Lock® Bushes

## Easy on, easy off - the simplest and quickest shaft fixing

Machined to exacting tolerances in cast iron and steel, the Fenner® Taper Lock® four hole bush has been tried and tested in over 40 million applications. It is the most successful shaft fixing in the market place today, with a full range of both metric and imperial sizes, as well as a full range of weld-on hubs, bolt-on hubs and hub adaptors.

- No costly re-boring
- High grade, close grain grey iron (GG25) material
- Tolerates shock loading
- Accommodates wide shaft diameter limits +0.05mm [0.002"] to 0.125mm [0.005"]
- Perfect for use with V-pulleys, timing and HTD pulleys, sprockets, shaft couplings, hubs and adaptors



**Metric Range:** 1008-5050 Bore Diameter 16mm-125mm

**Imperial Range:** 1008-5050 Bore Diameter 3/8"-5"

# Fenner®

Reliable | Trusted | Connected



**Simple**



### Adaptors

- For use with parallel bore eliminating the cost of drilling, tapping and taper boring
- Keyed version also available for heavy duty applications
- Taper bored to receive 4-hole Taper Lock® bush sizes 1008 to 4040



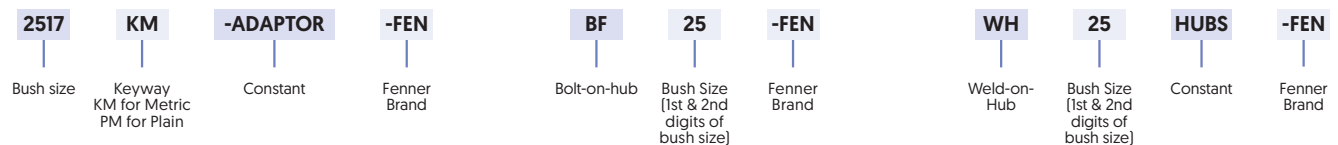
### Bolt-on hubs

- A convenient means to secure fan rotors, steel pulleys, plate sprockets, impellers etc to a shaft
- Welding not necessary
- Taper bored to receive 4-hole Taper Lock® bush sizes 1210 to 3040



### Weld-on hubs

- Manufactured from steel to provide convenient means to secure fan rotors, steel pulleys, plate sprockets, impellers etc to a shaft
- Shouldered outer diameter allows for easy location
- Taper bored to receive 4-hole Taper Lock® bush sizes 1210 to 5040



# TranTorque GTR Bushes & FenLock™ Cone Clamping Elements

# Fenner®

Reliable | Trusted | Connected

## Solutions



### ■ Eliminate Keys, Keyways, Setscrews

Eliminate costly matching with inexpensive TranTorque GTR mounts. They grip like a shrink-fit on shaft and bore, and resist shocks and torque reversals better than keyways. Single-nut design, self-centres accurately, locks or unlocks with the twist of a wrench.



### ■ Infinite, Precise Radial Adjustment

The positive lock and release action permits exact initial positioning with easy readjustment at a later date.



### ■ Use Smaller Shafts

Eliminate the weak spot in shafts and hubs caused by machining keyways. This, plus the rigidising effect, permits smaller and less expensive shafts and bearings with equal strength and stiffness.



### ■ Retrofit and Repair

Can be used directly over empty keyways to repair a worn or damaged connection. Both metric and imperial units are available.



### ■ Mount Hubless Devices

TranTorque GTR mounts are unique in their ability to mount thin hubless devices. They need not be completely within the bore.



This permits mounting plate sprockets, hubless gears, disc brakes, etc. – often at substantial savings to the user or OEM.

## Standard



FenLock™ cone clamping elements provide a wide and versatile range of keyless shaft/hub assemblies.

- Simple installation/disassembly
- Resistance to alternating torques
- Increased shaft strength
- High torque transmission capacity
- No backlash
- Axial and angular adjustment capability
- No fretting corrosion

**FLK 200** Medium/High torque, non self-centering

**FLK110** Medium/High torque, self-centering, fewer screws

**FLK130** High torque, self-centering

**FLK131** High torque, self-centering larger dia. location collar

**FLK603** Medium/High torque, self-centering, shrink disc device

Contact your local ERIKS service centre for details on the full range available.

## To help

When ordering shaft fixings consider the following:

- Shaft dimension
- Keyway details
- Transmitted torque
- Hub details (diameter, length, material)

## Fenaflex™ Couplings

### Less stress, more flexibility

These highly elastic lubrication-free couplings tolerate large amounts of misalignment in all planes as well as offering simple installation and inspection without disrupting the drive.

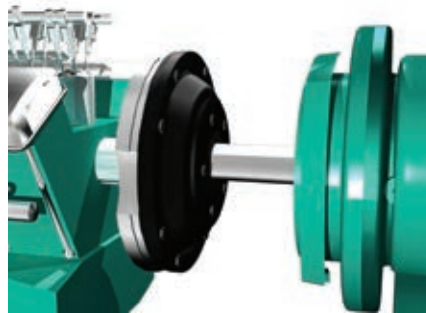
The Fenaflex® coupling also has excellent shock absorbing properties while reducing vibration and torsional oscillations.

- Accepts misalignment simultaneously in all planes
- Highly resilient to absorb shock loads
- Lubrication-free
- Simple visual inspection to aid maintenance
- ATEX approved variant (on request)
- Simple installation without moving coupled machines
- Taper Lock® and pilot bore flanges
- Pump spacer and flywheel fixing variants



#### Pump Spacer Variant

Spacer variant available for pump drives to allow disassembly of pump shaft without disturbing the prime mover, minimising downtime.



#### Flywheel Variant

Flywheel coupling version available for standard SAE flywheel fixings and elements available in different dynamic stiffnesses to accommodate a wide range of engine and driven machine parameters.



#### Couplings

Available in Taper Lock® or pilot bore flanges. Taper Lock® have a massive torque capacity and are available with a fire resistant, anti-static tyre.



## TriFlex Coupling

New Fenner® TriFlex cord-reinforced flexible couplings can be trusted for installation in the most diverse drive train applications where resistance to shock stresses and silent operation are important such as hydraulic pump drives and machinery used in the agriculture, construction and medical industries.

- The stiffness of the reinforced cords in Fenner® TriFlex couplings can be individually adjusted in all directions to compensate for radial, axial and angular misalignment
- Drive train torque peaks can be effectively dampened
- Individual elements of the coupling can be replaced quickly without the need to move the motor or driven load
- All electrical parts in the drive train can be effectively insulated



## Couplings

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### HRC Couplings

Permitting quick and easy installation by means of Taper Lock® bushes, and offering quick alignment, the semi-elastic general purpose HRC coupling is ideal for use with electric motors. Ease of alignment and fitting using straight edge and machined outside diameters.

- Fail-safe design due to interacting dog design
- Accommodates incidental misalignment
- Power ratings are matched to standard motor sizes
- Standard and FRAS elements available
- Flywheel fixing variant available
- Pilot bore design also available



### Jaw Couplings

A low-cost general purpose solution to absorb incidental misalignment, shock loads and small amplitude vibrations.

- Ease of alignment
- Fail-safe shaft connection
- Range of element materials available including; nitrile, urethane and hytrel
- Pump spacer variant available
- Design powers up to 42.2kW available at 1440rpm



### Rigid Couplings

Taper Lock® Rigid couplings provide a convenient method of rigidly connecting shafts. Taper Lock® bushes permit easier and quicker fixing to the shafts with the firmness of a shrunk-on fit.

- Peripheral speeds of up to 33m/s available
- Vertical assemblies possible in FF design
- Taper Lock® fixing as standard
- 8 sizes in the range



**ERIKS**

0121 508 6000





## Flexible Couplings



### ROTEX®

- Fail-safe, maintenance-free, flexible jaw couplings, available in split hub designs
- Nominal torques up to 35,000Nm as standard
- Up to 200mm bores as standard
- ATEX certified
- T-PUR® spider element material available in 92Sh. A, 98Sh. A, 64Sh. D – operating temperature range -50°C to 120°C



**Sizes: 14 to 180 (larger sizes available)**

### ROTEX® GS

- Backlash-free, flexible jaw couplings for high accuracy positioning and servo drives
- Nominal torques up to 5850Nm as standard
- Up to 110mm bores as standard
- ATEX certified
- Spider element material available 98Sh. A as standard (other shore harnesses available) – operating temperature range -30°C to 90°C



**Sizes: 5 to 90 (larger sizes available)**

### BoWex® M

- Maintenance-free, nylon sleeve curved tooth gear coupling
- Nominal torques up to 2500Nm as standard
- Up to 125mm bores as standard
- ATEX certified up to size 80 as standard
- Operating temperature range -25°C to 100°C



**Sizes: 14 to 125 (larger sizes available)**

### TOOLFLEX®

- Backlash-free, metal bellows-type couplings for high accuracy positioning and servo drives
- Nominal torques up to 600Nm as standard
- Up to 65mm bores as standard
- Operating temperature range -30°C to 200°C



**Sizes: 7 to 65 (larger sizes available upon request)**

### RADEX®-N & RIGIFLEX®-N

- Steel lamina (disc) couplings, available in single and double-cardanic designs
- Nominal torques up to 280,000Nm as standard
- Up to 405mm bores as standard
- ATEX and API 610, 671 certified
- Standard spacer lengths up to 250mm as standard (custom spacers available upon request)
- Operating temperature range up to 280°C

**Sizes: 20 to 408 (larger sizes available)**



## Disc Couplings



### Rexnord® Thomas® XTSR Disc Couplings

- 23 sizes
- Up to 430 mm bore capacity
- Up to 283,000 Nm torque capacity
- Speed ratings up to 23,000 rpm
- Allows for visual inspection and easy replacement of disc packs and centre members
- Features zero backlash, low-restoring forces, and electrically-insulated designs
- Meets API 610 or API 671 specifications when specified
- ATEX certified



### Rexnord Addax® Composite Disc Couplings

- 13 sizes
- Up to 130mm bore capacity
- Up to 4,090 Nm torque capacity
- High-performance composite spacer with custom spacer lengths, up to 6,985mm
- Up to 500 hp
- Corrosion-resistant centre member, flex element, hub, and hardware lower the cost of ownership and extend service life
- Patented unitized flex elements provide 1° of misalignment per element and eliminate fretting



## Lubricated Couplings

### Falk® Steelflex® Grid Couplings

- 25 sizes
- 11 models including high-speed, spacer, flywheel, brake and controlled torque
- Up to 508 mm bore capacity
- Up to 932,000 Nm torque capacity
- Up to 10,000 rpm
- Five-year heavy-duty warranty when lubricated with Long Term Grease (LTG)



### Falk Lifalign® Gear Couplings

- 28 sizes
- 13 models for general purpose, high-speed and high-torque applications
- Up to 1,067 mm bore capacity
- Up to 8,185,763 Nm torque capacity
- Large flex hubs accommodate high-torque applications in space-limited installations
- Three-year heavy-duty warranty when lubricated with Long Term Grease (LTG)



## Elastomeric Couplings



### Falk Wrapflex® Elastomeric Couplings

- 9 sizes
- Up to 190mm bore capacity
- Up to 15,027 Nm torque capacity
- Up to 4,500 rpm
- Replace-in-place elements eliminate the need for time-consuming realignment
- Patented hub and flex element design ensure long life
- Close-coupled and spacer designs available to accommodate shaft spacing
- Polyurethane element has excellent wear and chemical resistance and an operating temperature range of -40°C to 95°C
- ATEX certified



### Rexnord Viva® Elastomeric Couplings

- 12 Viva sizes
- Up to 165mm bore capacity
- Up to 6,270 Nm torque capacity
- Up to 5,400 rpm
- Split-in-half flex element design for efficient installation and replacement
- Mounting hole patterns allow for a wide range of shaft gaps: from 6 to 300 mm
- Non-lubricated and low-maintenance
- Viva model features patented "V" notch design which provides uniform failure area for overload protection
- ATEX certified



## Torque Limiters

### Rexnord Autogard® Torque Limiters

- Protect equipment from damaging torque spikes and inertias
- Instant and complete disengagement of the drive when overloaded
- Adjustable, accurate, and repeatable torque setting
- Reduced downtime due to quick and easy reset
- Rapid-reset, remote-reset, synchronous-reset options
- Torque ranges from 1Nm to 1,000,000 Nm+
- PT Drive Components



## Fast and Simple Operation

Leading the industry in overload protection, the Rexnord Autogard has proven reliability, dependable expertise and a broad range of options that offer bi-directional protection, lower Total Cost of Ownership, increase accuracy of torque limitation, and longer life at high speeds.

## Fenner® Hygienic Geared Drives

In environments that demand an especially high level of hygiene or use aggressive cleansing agents that corrode traditional drives, the Fenner® range of hygienic stainless steel geared drives provides complete inter-changeability with any existing motor population for simple upgrades offering up to 15 times the service life.

Designed specifically for wash-down duty applications using acid or alkaline solutions required for food, beverage, pharmaceutical or process industries and manufactured in chemical resistant stainless steel AISI304/316 with an electrolytic polished surface.

The hygienic characteristics are further complimented by the smooth exteriors free from indentations and catchment areas to prevent the accumulation of dirt, speeding up the cleaning process.

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## All Fenner® Hygienic Geared Drives include:

All Fenner® hygienic geared drives include:

- Hygienic design – smooth and free draining surfaces
- Corrosion and chemical-resistant – high quality electro polished AISI3016 stainless steel
- Laser etched nameplate to eliminate culmination of dirt
- IP66/IP69K (geared motor only) enclosures
- Interchangeability with most standard European footprints
- Dry-fit IEC inputs available
- Filled with USDA H1 food grade lubrication
- Blue FDA approved oil seals
- AISI316 stainless steel breather

**See page 97**  
for the range of  
Fenner® Hygienic  
Motors

### Geared Unit Range



Contamination is the most common cause of food poisoning, and 90% of bacteria contamination is due to bad hygienic design. Fenner® units are specifically designed with this in mind, reducing the risks of contamination to an absolute minimum with the smooth, bevelled design, eliminating the possibility of dirt traps.



	COAXIAL DRIVES	HELICAL WORM	PARALLEL SHAFT	BEVEL GEAR	WORM GEARBOX	HYPOID BEVEL GEAR	COAXIAL DRIVES
	MH	CH	FH	KH	WH	KHS	MHI
<b>POWER</b>	0.12 - 7.5	0.12 - 4.0	0.12 - 11	0.12 - 7.5	0.12 - 1.5	0.12 - 3.0	0.12 - 3.0
<b>SHAFT DIAMETERS (MM)</b>	25, 30, 35 (**), 40, 45	20, 30, 35, 40, 45	30, 35, 40, 45, 50, en 60	30, 35, 40, 45, 50 (**), 60	18 - 25	20, 25, 30 and 35	20, 25 and 30
<b>SPEED/MAX RATIO'S</b>	247 : 1	217 : 1	281 : 1	145 : 1	100 : 1	300 : 1	54 : 1
<b>TORQUE (NM)</b>	600	520	3000	2700	152	500	152

## Shaft Mounted Speed Reducer

Precision gearing with increased face width allows the Power PLUS range of SMSR units to operate within smaller gear cases than many of its rivals. The modular cases design allows the unit to be mounted in a number of ways.

- Compact design – reduced gear case size
- Modular case design - variety of mounting options
- Easy-fit, up-rated Taper-Grip™ bush option
- Easy-fit backstops available
- Comprehensive output speeds available with a simple Fenner® belt drive
- Extended manufacturer's warranty
- Quick and simple upgrade
- New extra sizes in the range
- Quicker installation and removal - no keyways (with Taper-Grip Bushes)
- Flange mounting holes machined on both faces as standard
- Full mounting flexibility for any application

### Available in

- Power ratings up to 250kW/ 44,000Nm
- Ratio ranges 5:1, 13:1 and 25:1

# Fenner®

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**50% better 100% Fenner®**  
**The UK's leading shaft mounted drive gives you a 50% increase in power-to-weight ratio for a compact drive solution.**

The Fenner® SMSR excels in harsh environments such as quarries, and is used extensively across a wide range of applications in arduous environments worldwide.

## Taper-Grip™ Bushes

The unique Taper-Grip™ bush locking system allows Fenner® SMSRs to be secured to the driven shaft overcoming the difficulties that can be experienced with other methods of mounting – particularly in corrosive environments.

Transmits 300% more torque and accommodates shaft tolerance to h11.

- Resistant to fretting corrosion
- Allows easy removal of gear unit
- Wide selection of metric and imperial bush sizes available
- Requires no key



# Fenner® Gearboxes

# Fenner®

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## Series M

### Coaxial Gearbox



UP TO  
**96%**  
Energy Efficient



The innovative Fenner® Series M Coaxial gearbox is the culmination of many years of expertise. Designed to be utilised in a wide variety of situations, it combines high load carrying capacity with high efficiency and reliability, and is manufactured using the highest quality materials and components.

- In-Line
- Up to 11,000Nm
- 5:1 to 16,200:1 ratios
- Foot or flange mounting
- DryFit sealed gear-head
- Standard IEC motor connection

### Fenner® Series M

Basic dimensions (All dimensions are in mm)

SIZE	SHAFT Ø	SHAFT LENGTH	FOOTPRINT	SHAFT HEIGHT
860	20 [k6]	40	110 x 110	75
801	25 [k6]	50	130 x 110	90
861	25 [k6]	50	130 x 110	90
802	30 [k6]	60	165 x 135	115
862	35 [k6]	70	165 x 135	115
803	35 [k6]	70	195 x 150	130
863	40 [k6]	80	205 x 170	140
864	50 [k6]	100	260 x 215	180
865	60 [m6]	120	310 x 250	225
866	70 [m6]	140	370 x 290	250
867	90 [m6]	170	410 x 340	265
868	100 [m6]	210	500 x 380	300

## Series C

### Helical Worm Gearbox



UP TO  
**92%**  
Energy Efficient



Modern design techniques and high quality components enable the Fenner® Series C helical worm gear unit to outperform any other Gearbox in terms of lowest cost/Nm. The Series C right angle range provides a highly efficient and compact solution to meet most requirements.

- Right angled
- Up to 10,000Nm
- 8:1 to 60,000:1 ratios
- Foot, flange or shaft mounting
- DryFit sealed gear-head
- Standard IEC motor connection

### Fenner® Series C

Basic dimensions (All dimensions are in mm)

SIZE	STANDARD BORE	ALTERNATE BORE	SHAFT HEIGHT*	SHAFT HEIGHT*	FLANGE Ø
870	20 H7	NA	80	90 x 63	120/160
871	30 H7	25 H7	100	100 x 80	160
872	35 H7	30 H7	110	110 x 100	200
873	45 H7	40 H7	130	130 x 130	200
874	60 H7	50 H7	180	150 x 100	250
875	70 H7	60 H7	225	200 x 120	350
876	90 H7	70 H7	280	250 x 135	450
877	100 H7	80 H7	335	300 x 150	450

\*These dimensions include additional mounting feet not supplied with the standard unit but available as an accessory on sizes 870, 871, 872 and 873.





## Series F

### Helical Gearbox



The newly improved Fenner® Series F range is primarily designed as a shaft mounted unit incorporating an integral torque reaction bracket. This compact range of parallel shaft mounted geared motors and speed reducers offers high efficiency and interchangeability with other leading brands.

- Parallel off-set
- Up to 16,500Nm
- 4.5:1 to 5,700:1 ratios
- Flange or shaft mounting
- DryFit sealed gear-head
- Standard IEC motor connection

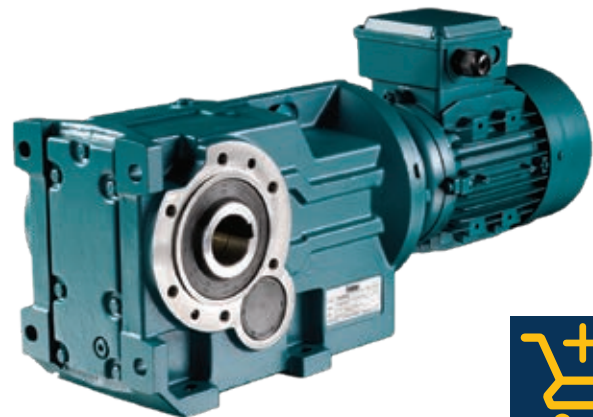
### Fenner® Series F

Basic dimensions (All dimensions are in mm)

SIZE	BORE Ø	SHAFT*	OFF-SET	FLANGE OPTIONS
780	25	–	96	160
781	30	25 x 47	121	160
782	35	30 x 56	121	160
783	40	35 x 66	144	250
784	40	40 x 76	165	250
785	50	50 x 95	200	300
786	60	60 x 114	243	350
787	70	70 x 135	274	450
788	80	90 x 172	332	450
789	90	90 x 170	385	550
790	100	110 x 210	414	650

## Series K

### Helical Bevel Gearbox



The Series K range incorporates all Fenner's core design features in a highly efficient yet flexible bevel helical drive. With high load carrying capabilities and increased efficiency over worm units, the right angled Series K range is proven to save energy and reduce running costs.

- Right angled
- Up to 12,300Nm
- 8:1 to 36,000:1 ratios
- Foot, flange or shaft mounting
- DryFit sealed gear-head
- Standard IEC motor connection

### Fenner® Series K

Basic dimensions (All dimensions are in mm)

SIZE	SHAFT Ø	SHAFT LENGTH	FOOTPRINT	SHAFT HEIGHT
890	30	180	110 x 100	100
891	35	200	130 x 120	112
892	40	250	130 x 130	132
893	40	250	120 x 140	140
894	50	300	150 x 165	180
895	60	350	180 x 180	212
896	70	450	240 x 240	265
897	80	450	280 x 270	315
898	100	450	350 x 330	375



# Fenner® Gearboxes

# Fenner®

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## Cyclo

### Cycloidal Gearbox



The revolutionary design of the Cyclo discs offers smooth and silent operation and excellent resistance to overloads. Extremely high ratios can be achieved within a very small envelope offering high efficiency in a very compact package.

- High overload capacity up to 500% and high efficiency, even at high reduction ratios
- Compact size and reduced noise level
- High reliability with 2 years warranty
- Exceptional life compared to other types of gearing

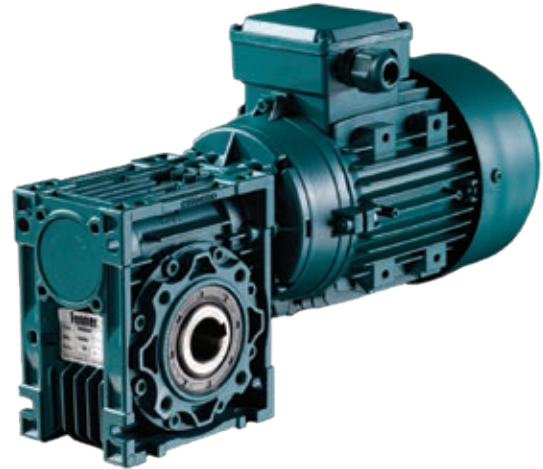
### Fenner® Cyclo

Basic dimensions (All dimensions are in mm)

SIZE	SHAFT Ø	SHAFT LENGTH	FOOTPRINT	SHAFT HEIGHT
606	14 [k6]	30	60 x 120	80
607	20 [k6]	40	60 x 120	80
608	25 [k6]	50	75 x 120	90
609	25 [k6]	50	90 x 150	100
610	30 [k6]	60	90 x 150	100
611	35 [k6]	70	90 x 150	120
612	35 [k6]	70	115 x 190	120
613	50 [k6]	100	145 x 290	150
614	50 [k6]	100	145 x 290	150
616	60 [h6]	90	150 x 370	160
614	70 [h6]	90	275 x 380	200
618	80 [h6]	110	320 x 420	220
619	95 [h6]	135	380 x 480	250

## Series W

### Worm Gearbox



A modern modular designed aluminium worm box available in a vast range of sizes and ratios for cost-effective solutions.

- Dimensionally interchangeable with the market leaders
- Versatile mounting
- Excellent mechanical strength whilst being especially lightweight
- Accepts standard IEC electric motors

### Fenner® Series W

Basic dimensions (All dimensions are in mm)

SIZE	CENTRES	STANDARD BORE	BASE TO CENTRE	FOOTPRINT	FLANGE OPTIONS
740	25	11	35	34 x 45	75
741	30	14	40	44 x 54	80
742	40	18	50	60 x 70	110 / 120 / 140
743	50	25	60	70 x 80	125 / 145 / 160
744	63	25	72	85 x 100	160 / 180 / 200
745	75	28	86	90 x 120	160 / 200
746	90	35	103	100 x 140	200 / 210 / 250
747	105	42	127.5	115 x 170	280
749	130	45	147.5	120 x 200	320





## Fenner® Hygienic Motors

In environments that demand an especially high level of hygiene or use aggressive cleansing agents that corrode standard motors, the Fenner® range of Hygienic motors provide interchangeability with standard IEC motors. This allows for simple upgrades to existing applications and can offer up to 15 times the services life of traditional motors in washdown environments.

Designed specifically for washdown duty applications using acid or alkaline solutions required for food, beverage, pharmaceutical or process industries, and manufactured in chemical-resistant Stainless Steel AISI304 with an electrolytic polished finish.

The hygienic characteristics are further complimented by the smooth exteriors free from indentations and catchment areas to prevent the accumulation of dirt, speeding up the cleaning process.

### Features and Benefits:

- Available from 0.12kW to 7.5kW – with more sizes under development
- Hygienic design – smooth and free draining surfaces
- Laser etched nameplates – eliminate the accumulation of dirt
- IEC standard mountings
- Unique anti-condensation breather
- Class F insulation
- Built-in PTC thermistors and Klixon's
- IE2 or IE3 Efficiencies available
- Suitable for inverter duty - please consult your local ERIKS Service Centre
- O-ring sealed terminal box
- Special blue shaft seals
- IP66 Enclosure – IP69K as a geared motor assembly



# Fenner®

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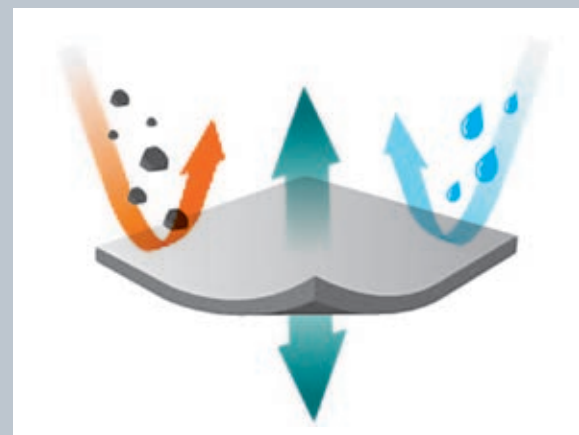


**See page 92**  
for the range of  
Fenner® Hygienic  
Geared Drives

The unique anti-condensation breather balances the pressure difference between the internal air of the sealed motor and the surrounding environment.

The design incorporates a special membrane that allows air to pass but keeps moisture and dirt out to protect the bearings and windings.

All of our stainless steel motors and gearboxes have these fitted as standard if required by the design.





[www.brookcrompton.com](http://www.brookcrompton.com)

**As an original innovator of electric motors, Brook Crompton offers over a century of technical and design expertise.**

With an extensive stock we can also modify to suit specific customer needs, with technical support from the company's knowledgeable team readily available to ensure the correct selection of motors for any application.

### **W range**

The Brook Crompton W motor range is available in aluminium (63-180) or cast iron (80-355) with outputs from 0.07 kW to 22 kW in frame sizes 63S to 355L. (56 to 587 NEMA).

Special build options:

- Multi speed
- Brake / brake kit friendly (63-132)
- Encoder
- Force ventilated (IC416)
- Special shaft / special flange dims
- Special paint
- Special voltage
- Low starting torque
- Marine
- Hoist / crane duty
- Plus many more



Shaping the future of electric motors, Brook Crompton is focused on the development of new products that improve energy efficiency, offer lower cost of ownership throughout the motor lifetime and reduce environmental impact.

### **Ex d range**

Brook Crompton's flameproof motors are designated Ex db flameproof and are designed for operation in Zone 1 hazardous areas. Outputs range from 0.37 kW to 200 kW with smaller or larger outputs on request.

Special build options:

- Ex db eb IIB or IIC
- Group I mining
- Special shaft dimensions
- Special voltage
- Low starting torque
- Offshore
- Roller bearing
- plus many more



# Keeping industry turning

## Series 10 range

The Brook Crompton Series 10 aluminium range is a high quality standard range of electric motors with a specification suitable for most industrial applications. It covers outputs from 0.06 kW up to 900 kW in frame sizes 56 to 160 (aluminium). 80 to 450 kW (cast iron).

Stock modifications include:

- B14, B34, B35 mounting options
- IP56, IP65 ingress protection
- Cable entry position change
- Anti condensation heaters
- Restamp for inverter rating
- Roller bearing



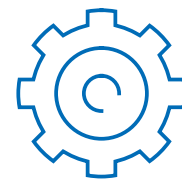
## Medium / high voltage

Brook Crompton's range of medium and high voltage motors are available in cast-iron and fabricated steel frames, with die cast aluminium and copper bar rotors to suit the requirements of a wide range of applications and are available in outputs from 90 kW to 130 MW in induction and synchronous designs.

Special build options:

- Special shaft dimensions
- Special voltage
- Low starting torque
- Offshore
- Roller bearing
- plus many more





# Motor Services repair, replace or upgrade? The choice is yours

Working in partnership with ERIKS means every choice is in your hands. Our neutrality, combined with years of know-how and expertise, allows us to provide you with options at every stage of your project.

We don't simply address the urgent problem, but we look beyond the short-term fix and provide sustainable solutions that will maximise your productivity.

#### Our capabilities include:

- Repair, replace or upgrade
- Inspection and detailed reporting
- Installation and commissioning
- On- and off-site repairs
- 24/7 breakdown support and planned maintenance
- Documented solutions and cost savings



Call 0121 508 6000 or visit  
[eriks.co.uk](https://eriks.co.uk)

Let's make industry work better

**ERIKS**



## W22 IE3 and IE4 Energy Efficient Motors

A complete range of cast iron motors for a wide range of applications

High performance and lower cost of ownership due to its reliability, easy maintenance and energy efficiency. Premium efficiency IE3: 0.12 – 500 kW / 2, 4, 6 and 8 pole. Super premium efficiency IE4: 3 – 355 kW / 2, 4 and 6 pole.



- Efficiency ratings that meet all EU and Worldwide requirements
- Lower cost of ownership
- Versatile, robust design, reduced noise
- Variations for special applications available

## W22X Hazardous Area Motors

A complete range of cast iron motors for hazardous area applications

High efficiency IE2: 0.12 – 370 kW / 2, 4, 6 and 8 pole. Premium efficiency IE3: 0.12 – 355 kW / 2, 4, 6 and 8 pole. Super premium efficiency IE4: 3 – 315 kW / 2, 4 and 6 pole.



- W22Xd - Flameproof motor
- W22Xe – Increased safety motor
- W22XncD – Non-sparking motors / dust ignition proof motors Zone 2 and 22
- W22Xtb – Dust ignition proof motors Zone 21

## CFW100 – Mini Drive

Variable speed drive

A single-phase variable speed drive developed for simple applications ranging from 0.18 - 0.75 kW [0.25 – 1 HP]. Output current 1.6A, 2.6A and 4.2A [0.25, 0.5 and 1 cv]. Single-phase power supply – 220 V.



- Vector [VVW] or Scalar [V/F] control
- Plug and play functionality with built-in operating interface (HMI)
- Surface mounting (with PLMP accessory) or DIN rail mounting
- Degree of protection IP20

## CFW300

Variable speed drive

Ideal for machines or equipment that require precise control and easy operation, the CFW300 is a high-performance VSD for single-phase and three-phase induction motors with rated output current from 1.1 to 15.2 A [0.25 – 5 HP] 100 – 127 V, 200 – 240 V or 380 V.



- 4 PNP or NPN digital inputs, 1 relay output to 0.5 A / 250 V ac, 1 analogue input 0 – 10 V dc/ 4-20 mA
- 3C2 coating class [IEC 60721-3-3] on the internal circuits
- Easy installation, flash memory module and built-in operating interface (HMI)
- Vector [VVW] or scalar [V/F] control modes

## CFW11 – System Drive

Variable speed drive

High performance system drive for control of squirrel cage induction motors and permanent magnet motors. Built in soft PLC allowing for creation of own user application through the WLP software (ladder programming).



- Available as IP20, IP21, NEMA 1 and IP55 protection
- Supply voltage: 200 – 690 V. Current: 3.6 – 2,500 A [2 – 2,00 CV]
- Flexibility with 'Plug & Play' philosophy for communication modules, encoder interface plus many more options.
- Special software management for "multi-pump" applications
- Easy to install, set-up and operate

## SSW900

Soft-starter

By controlling the voltage applied to the motor, the SSW900 with built-in bypass and torque control, is dedicated to the smooth acceleration and deceleration of three-phase electric motors. Also protection of the motor is built in.



- Power supply: 220 – 575 V ac. Current: 10 – 412 A
- Energy saving by supplying only power needed by local demand
- Shock load reduction with controlled stop / start of application
- Fault diagnosis and history
- Easy to install, operate and monitor

# QD:Neo Inverters

## Constant Torque 0.75kW - 160kW

The Fenner® QD:Neo offers the perfect combination of high performance and ease of use, providing a solid solution for even the most demanding applications.

The Fenner® QD:Neo is suitable for use with both standard induction and permanent magnet motors.

### High Performance

- Sensorless Vector Control - Up to 200% torque from 0 speed ensures reliable starting and accurate speed control
- PM Motor Control future proof - Can be upgraded to the latest high efficiency permanent magnet motors
- I/O and Communications - Fenner® QD:Neo supports a wide range of machine control systems interfaces

### Range

- IP20 from 0.75kW to 37kW
- IP55 from 11kW to 160 kW
- IP66 from 0.75kW to 7.5kW

### Key Features

- Just 14 basic parameters
- Pluggable control terminals
- Internal RFI filter complies with the latest EMC standards
- Up to 32kHz Output Switching Frequency gives ultra quiet motor operation
- Integral Brake Transistor
- Modbus and CANopen as standard
- IP20, IP55 and IP66 enclosures
- Bluetooth compatible Q-Stick for fast, accurate repeat programming
- Hoist mode

### Applications

- Cranes
- Compressors
- Winding
- Mixers
- Packaging
- Conveyors
- Hoists
- Extruders
- Crushers
- Cutting

# Fenner®

Reliable | Trusted | Connected



## Safe Torque Off Function

The Fenner® QD:Neo features a safe torque off function, as standard, to allow simple integration into machine critical safety circuits.

- Faster shut down and reset procedures reduce system maintenance time
- Better safety standard compared to mechanical solution
- Better motor connection - single cable with no interruption





# QD:Flow Inverters

## Variable Torque 0.75kW - 160kW

The Fenner® QD:Flow sets a new standard for dedicated fan and pump control, whilst retaining the ease of use you come to expect from Fenner® inverters.

Fenner® QD:Flow has an innovative design, combined with robust performance to provide powerful flow control and reliability in a compact drive.

### Designed for HVAC

- Energy optimisation and monitoring
- Built in pump cascade control
- Multiple fan operation
- Resonance avoidance

### Range

- IP20 from 0.75kW to 45kW
- IP55 from 15kW to 160 kW
- IP66 from 0.75kW to 11kW

### Key Features

- 14 basic parameters
- Internal RFI filter
- Belt brake detection
- Anti-ragging function
- Fire-mode
- Spin start
- Bypass mode
- BACnet and Modbus RTU as standard
- Maintenance interval timer
- Multi-language OLED display
- Intelligent standby
- Low noise operation
- Sensorless Vector Control for all motor types

### Applications

- Industrial
- Domestic
- Airports
- Hospitals
- Kitchens
- Offices
- Hotels
- Conference centres
- Swimming pools
- Additional buildings

# Fenner®

Reliable | Trusted | Connected



## Dedicated to optimising efficiency

The Fenner® QD:Flow has been designed to optimise efficiency in pumping and HVAC systems.

- Multiple fan operation
- Fire override mode
- Stairwell pressurisation
- PID control

## QD:Evo Inverters

### Easy to Use 0.37kW - 22.0kW

The Fenner® QD:Evo is a value packed basic drive ideally suited for low power applications that require “best in class” purchase value.

Operating from a small space-saving envelope the QD:Evo is fast to set up, simple to use and suitable for most applications.

#### High Performance

- Easy to install
- Simple keypad control
- 50°C ambient rating for hot, tough applications
- Free lifetime technical support
- Energy optimising function

#### Range

- IP20 from 0.37kW to 22kW
- IP66 from 0.37 to 7.5kW

#### Key Features

- Simple commissioning, 14 basic parameter settings, default settings suitable for most applications
- Internal RFI filter for full EMC compliance
- Modbus RTU CANopen allows easy integration with your control and monitoring systems
- Compact enclosures help minimise your space requirements
- Brake chopper on sizes 2 and 3, dynamic and compact options with heatsink mounted resistor
- High overload capacity, 150% overload for 60 seconds and 170% overload for 2 seconds
- 3 modes - industrial, pump and fan
- Sensorless Vector Control for all modes

#### Applications

- Cranes
- Compressors
- Winding
- Mixers
- Packaging
- Conveyors
- Hoists
- Extruders
- Crushers
- Cutting

# Fenner®

Reliable | Trusted | Connected



**η 98%**  
Energy Efficient

**WEBSHOP**  
shop.eriks.co.uk

## Q-Stick for fast programming

For fast, accurate repeat programming



- Upload/download buttons allow for fast copying of parameters between drives
- Infra-red and bluetooth communications capability provides remote control convenience
- Can be programmed by PDA/smart phone





# SEALING & POLYMER

ERIKS Sealing & Polymer is not only dedicated to delivering innovation, but also customer service and satisfaction.

Continual investment in technology and expertise ensures quality is maintained and new products and technical solutions continue to be developed for our customers.



## QUICK MANUFACTURER REFERENCE



110-116

## QUICK PRODUCT REFERENCE

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# WE MAKE SEALS & GASKETS WORK BETTER

## OFFERING SPECIALIST SUPPORT TO MULTIPLE INDUSTRIES

Our local Maintenance Specialists are backed up by a team of experienced Product Specialists, Regional Application Engineers and Materials Scientists, all dedicated to keeping your plant running, no matter the industry.



### INDUSTRIAL SEALS

- O-rings – to BS1806 / 4518, AS568, ISO3601 in a range of materials and hardnesses
- Metric and imperial rotary shaft seals
- Hygienic seals to BS4825, ASME and DIN specifications
- Hydraulic seals and wipers – including bespoke made-to-order seals for urgent requirements
- Component mechanical seals
- Gland packings

### INDUSTRIAL GASKETS

**Made-to-order** – to ASME B16.21 / B16.47A/ B16.47B, BS EN 1514-1 (DIN), BS3063 (BS10), in

- Fibre
- Graphite
- PTFE
- Rubber

#### Available from stock

- Spiral wound
- RTJs

## ENGINEERED GASKET BROCHURE

Offering a comprehensive range of high performance sealing products, our goal is to support you in keeping your plant and equipment operating at its most efficient level.

Containing extensive technical details, supported with full colour images, our new Engineered Gaskets brochure brings together all of our tried and tested products into one convenient document.



## LEADER CLIPPERLON

The Leader Clipperlon PTFE family of products now encompasses a range of modified and expanded sheet along with two grades of expanded tape, suitable across a wide range of applications and industries including Chemical, Pharmaceutical and Food & Beverage. Certifications include; TA LUFT, FDA 21 CFR177.1550, USP ClassVI, DVGW, BAM



# MORE THAN THE SUM OF THE PARTS



### MORE QUICKLY

Sometimes a made-to-order product is the only solution. But often, a standard off-the-shelf solution will work just as effectively, and at a lower cost. ERIKS' Sealing & Polymer offers you both options, and the information you need to make the right choice.



### MORE SUPPORT

Our experienced team of Application Engineers will help to ensure your system's continuous operation and efficiency. Working with your maintenance team they can resolve sealing problems on your plant. And they can identify opportunities for enhanced equipment operation – specifying the most appropriate seal or gasket for your application.



### MORE KNOW-HOW

Sealing and gasket material technology is always changing and improving – often because of ERIKS' innovations. We have a team of Material Scientists based on the Technology Campus at Warrington Science Park, who are working continually to support our existing products and develop new and improved solutions.



# HOW WE MAKE SEALS & GASKETS WORK BETTER

## REDUCE RISK, INCREASE YIELD, **DELIVER YOUR INNOVATIONS**

Engineers know that seals and gaskets are a crucial part of their production process. A failing seal, or the wrong seal, will soon have an effect on production: at best through increased downtime and reduced productivity, and worst through product contamination and reputational damage.

ERIKS Sealing & Polymer can make a real difference to your productivity and efficiency, offering:

- Broad stock availability
- The brands you know and trust
- Specialist, technical support
- Certified and compliant products





## THE SERVICES YOU EXPECT

### Shutdown Planning Support

When a scheduled shutdown is imminent, we'll work with you to prepare. This could include:

- A comprehensive plant survey
- Obsolescence reporting
- Product supply in advance of shutdown

### Leak Technology

ERIKS Optical Gas Imaging (OGI) capabilities makes identifying gas leaks easy. Using the most up-to-date thermographic cameras, it's also possible to diagnose the gas type.

### Made-to-Order

We have regionally located facilities able to cut or manufacture most gasket types to your required dimensions. Our capabilities include:

- Oscillating knife cutting
- Die cutting
- Spiral winding
- Waterjet
- Machining

### Obsolescence Support

Large capital equipment is often used beyond its originally intended life and original spare parts may no longer be available. This is prevalent in Industrial Seals and Gaskets where health and safety and REACH legislation has made the use of originally specified sealing materials no longer possible.

Our suite of analytical equipment is frequently used to identify materials of composition allowing our Application Engineers to recommend equivalent products made from currently available technologies.

### Direct Support for OEMs

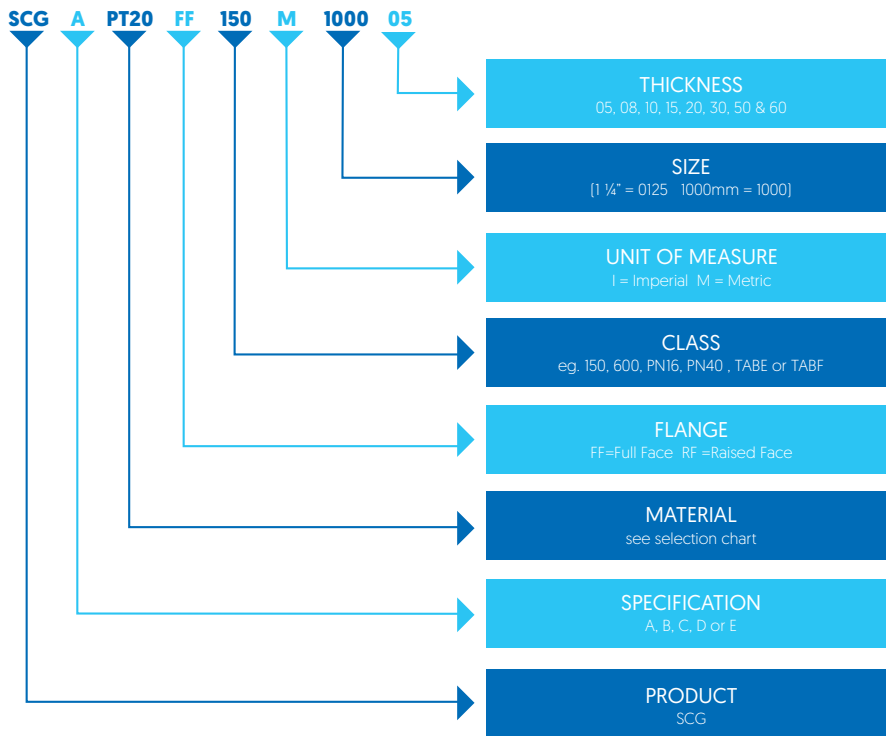
- **Design and material selection** – we collaborate with you to select materials and co-create conceptual designs using toolsets such as Computer Aided Design [CAD] and Finite Element Analysis [FEA]
- **Prototype manufacture** – Employing rapid manufacturing techniques, we can help you minimise your time to market, providing you with a competitive advantage
- **Validation testing** – We have various test rigs which are frequently used

# Soft Cut Flange Gaskets

As one of the UK's leading gasket manufacturers ERIKS Sealing and Polymer can offer a tailored fast service for Soft Cut Flange Gaskets. Encompassing materials from PTFE, non-asbestos fibre and high temperature sheeting through to graphite, ERIKS range provides a complete product portfolio that can be selected to suit your application.



## Part Number Identifier



SPECIFICATION	CLASS
A B16.21	150, 300, 600, 900 & 1500
B B16.47 A	150, 300, 600 & 900
C B16.47 B	150, 300 & 600
D DIN	PN6, PN10, PN16, PN25 & PN40
E TABLE/BS10	TABA, TABD, TABE, TABF, TABH TABJ, TABK, TABR & TABS

**Example:** Metric = SCGDPT60FFPN25M100015 Imperial = SCGAPT20RF1500I012530





MATERIAL	CODE	THICKNESSES AVAILABLE IN MM							
		0.5	0.8	1.0	1.5	2.0	3.0	5.0	6.0
Fybar PT20	PT20								
Fybar PT30	PT30								
Fybar PT50	PT50								
Fybar PT60	PT60								
Egraflex	EGRA								
Clipperlon 2100	2100								
Clipperlon 2110	2110								
Clipperlon 2115	2115								
Clipperlon 2120	2120								
Clipperlon 2130	2130								
Clipperlon 2135	2135								
Novaphit™ SSTC XP	SSTX								
THERM NXT 1020	NMTH								
S-Graph	SGRA								
N-Graph	NGRA								
Virgin PTFE	VPTF								
E-70-772 EPDM	E772								
E-60-773 EPDM	E773								








**Other thicknesses available on request**











# Gasket Jointing Materials

NAME	DESCRIPTION	STANDARDS
<b>LEADER FIBRE SHEET</b>		
 <b>Fybar PT20</b>	Aramid fibres bound with NBR	Basic sheet with no approvals
 <b>Fybar PT30</b>	Aramid fibres bound with NBR	Approved to BS7531 Grade Y, DVGW
 <b>Fybar PT50</b>	Aramid fibres bound with NBR	Approved to BS7531 Grade Y, TA-Luft, DVGW, KTW
 <b>Fybar PT60</b>	Glass/Aramid fibres bound with NBR	Approved to BS7531 Grade X, TA-Luft, BAM, DVGW, WRAS




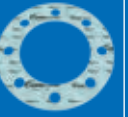
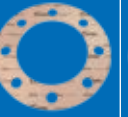
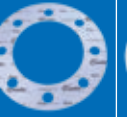
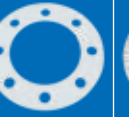

NAME	DESCRIPTION	STANDARDS
<b>LEADER PTFE SHEET</b>		
 <b>Clipperlon 2100</b>	Modified PTFE sheet with silica filler	Approved to TA-Luft, FDA, EC1995/2004
 <b>Clipperlon 2110</b>	Modified PTFE sheet with hollow glass microsphere filler	Approved to TA-Luft, FDA, EC1995/2004
 <b>Clipperlon 2115</b>	Natural, pigment free modified PTFE sheet with hollow glass microspheres	Approved to TA-Luft, FDA, EC1995/2004, USP
 <b>Clipperlon 2120</b>	Modified PTFE sheet with barium sulphate	Approved to TA-Luft, FDA, EC1995/2004, TCI
 <b>Clipperlon 2130</b>	Multidirectional expanded PTFE sheet	Approved to TA-Luft, FDA, EC1995/2004
 <b>Clipperlon 2135</b>	Multidirectional expanded PTFE sheet, 100% pigment free	Approved to TA-Luft, FDA, EC1995/2004, USP
 <b>Virgin ptfе</b>	White unfilled and unmodified sheet	FDA Compliant

NAME	DESCRIPTION	STANDARDS
<b>REINFORCED GRAPHITE SHEET</b>		
 <b>Egraflex SPG</b>	Graphite sheet reinforced with 316 tanged insert	Approved to BAM, DVGW
 <b>S-Graph</b>	Graphite sheet reinforced with 316 foil core	
 <b>N-Graph</b>	Graphite sheet reinforced with nickel foil core	
 <b>Novaphit SSTC XP</b>	Graphite sheet reinforced with multi layered expanded 316	Approved to TA-Luft, BAM, DVGWQ, Fire Safe

NAME	DESCRIPTION	STANDARDS
<b>HIGH TEMP MICA SHEET</b>		
 <b>LeaderTHERM NXT 1020</b>	Modified Phlogopite with acid proof metal foil insert made of chrome nickel steel	



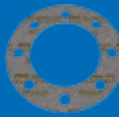

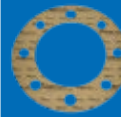

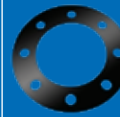
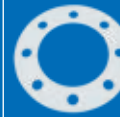
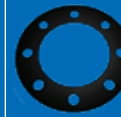
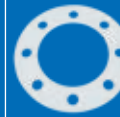
NAME	DESCRIPTION	STANDARDS
<b>EPDM RUBBER SHEET</b>		
 <b>E-70-772</b>	Black 70 shore EPDM sheet	WRAS Approved
 <b>E-60-773</b>	White 60 shore EPDM sheet	FDA Compliant

# Gasket Selection Chart

Material	 Fybar PT20	 Fybar PT30	 Fybar PT50	 Fybar PT60	 Clipperlon 2100	 Clipperlon 2110	 Clipperlon 2115	 Clipperlon 2120
Maximum Operating Temperature [°C]	150	+250 +200 (Steam)	+200	+250	-240 +240	-240 +240	-240 +240	-240 +240
Maximum Pressure [Bar]	60	100	80	100	85	55	55	55
Air	Y	Y	Y	Y	Y	Y	Y	Y
Steam		Y	Y	Y				Y
Oxygen					Y			Y
Oil	Y	Y	Y				Y	Y
Solvent				Y	Y	Y		Y
Petrochemical Products			Y	Y				Y
Potable Water		Y	Y	Y	Y	Y		Y
Weak Acid	Y	Y	Y	Y	Y	Y	Y	Y
Strong Acid					Y	Y		
Weak Alkali		Y	Y	Y	Y	Y	Y	Y
Strong Alkali					Y	Y	Y	Y
Food Stuffs							Y	
Conformability	M	M	M	M	L	H	H	VL
ASME m Y (psi)	3.5 2000	3.5 2000	2.5 3200	2.5 2600	3.5 2500	3.0 1600	3.5 2450	3.5 2450
ROTT Gb (psi) a Gs (psi)	300 0.4 5	300 0.4 5	2400 0.2 50	2400 0.2 50	500 0.3 6	450 0.3 5	432 0.3 1	432 0.3 1

Conformability: VL - Very Low L - Low M - Medium H - High VH - Very High



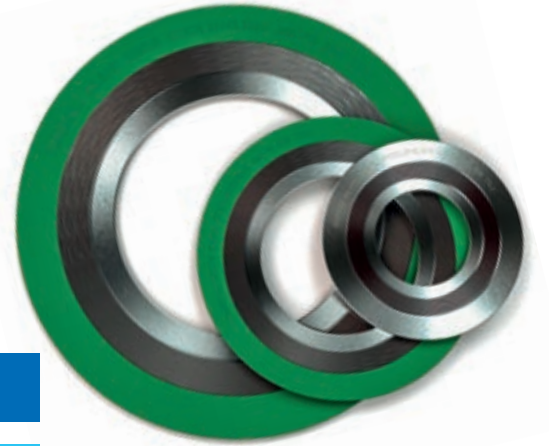
 Clipperlon 2130	 Clipperlon 2135	 Egraflex SPG	 Novaphit SSTC XP	 Leader THERM NXT 1020	 S-Graph	 N-Graph	 Virgin PTFE	 EPDM E-70-772	 EPDM E-60-773
-240 +240	-240 +240	+450	+550	+800	+450	+450	-200 +200	-25 +120	-25 +120
40	40	150	250	40	100	100	50	20	20
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y	Y		
Y	Y	Y					Y		
Y	Y	Y	Y	Y			Y	Y	Y
Y	Y	Y	Y	Y	Y	Y	Y		
Y	Y	Y	Y	Y	Y	Y	Y		
Y	Y						Y	Y	
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
							Y		
Y	Y	Y	Y	Y	Y	Y	Y		
Y							Y		
	Y						Y		Y
VH	VH	H	H	M	VH	VH	L	H	H
2.5 2900	2.5 2900	2.0 2500	2.5 1600	2.5 4350	2.0 900	2.0 900	2 3000	1.0 200	1.0 200
1250 0.2 4	1250 0.2 4	1400 0.3 1			800 0.4 0.5	800 0.4 0.5			

# Spiral Wound Gaskets

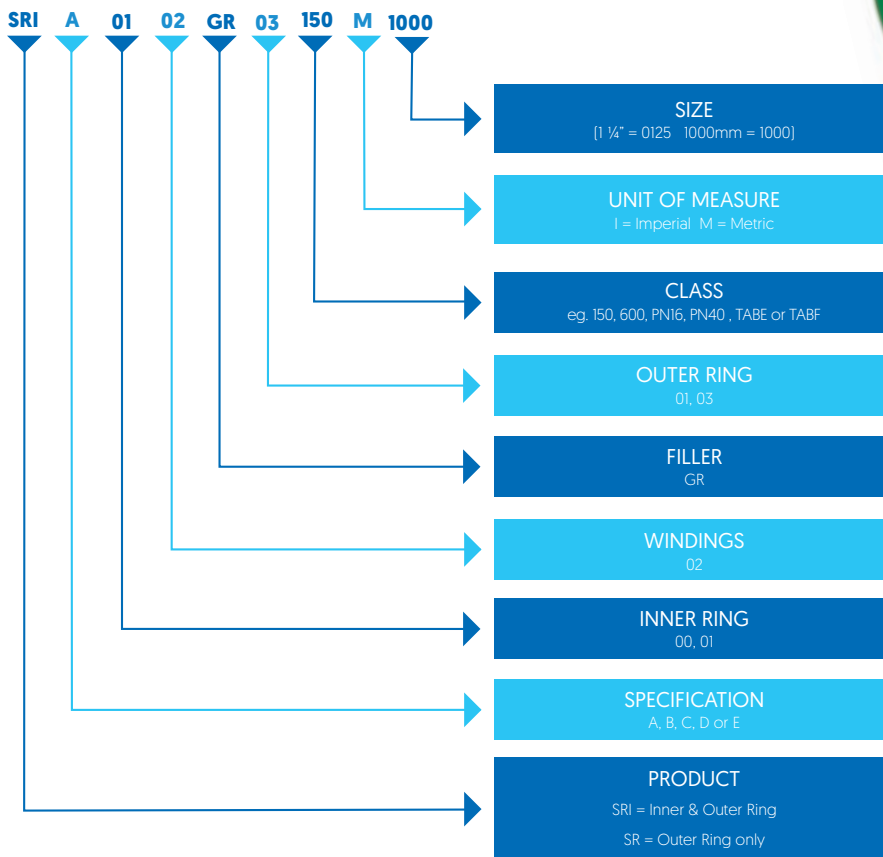


A comprehensive stock of SWG manufactured in accordance with ASME B16.20 is available for immediate delivery. Spiral wound gaskets are used for high pressure and temperature applications. ERIKS has a selection in all conceivable models and in various materials. In addition, special gaskets can be made quickly in our own production facility.

All SR and SRI gaskets for these standard flanges are 0.175" (4.5mm) thick, fitted with 0.125" (3.2mm) thick solid metal rings, unless otherwise stated.



## Part Number Identifier



**Example:** Imperial SRIA0102GR03600I0125 Metric SRID002GR03PN40M1000

SPECIFICATION	CLASS	RINGS	WINDINGS	FILLER
A B16.50	150, 300, 600, 900 & 1500	00 No ring		GR Graphite
B B16.47 A	150, 300, 600 & 900	01 316		
C B16.47 B	150, 300 & 600		02 316L	
D DIN	PN6, PN10, PN16, PN25 & PN40	03 Carbon Steel		
E TABLE	TABA, TABD, TABE, TABF, TABH TABJ, TABK, TABR & TABS			

\*ERIKS hold a selection of standard sizes in various materials



## Ring Type Joints



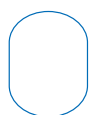
Ring joint gaskets are used primarily in the up-stream oil and gas industries where high pressures are often encountered.

- Manufactured to API 6A and ASME standards
- Standard materials are soft iron and 316 stainless steel
- Available in a range of styles



### Style R

Octagonal Section - For use with ASME and API flanges with flat bottomed groove



### Style R

Oval Section - For use with ASME and API flanges with flat bottomed or oval groove



### Style RX

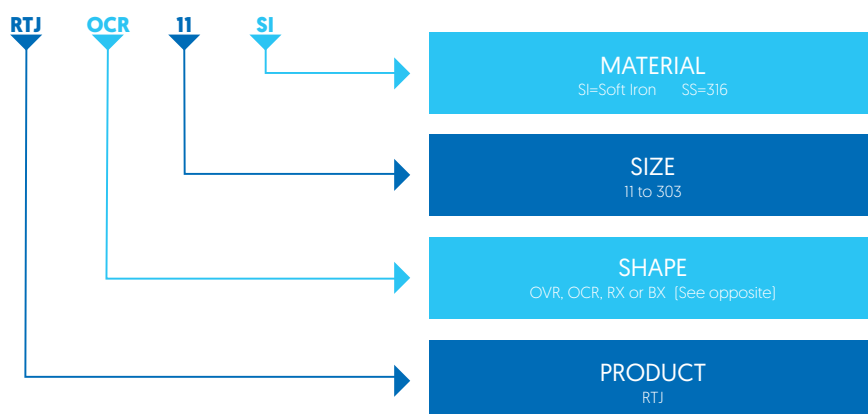
Asymmetric Octagonal Section - For use in ASME and API flat bottomed grooves



### Style BX

Square Octagonal Section - For use in API BX flanges

## Part Number Identifier



Example: RTJOCR11SI RTJRX303SS



# Clipperlon 2135

## Food and pharmaceutical conforming multi-directional ePTFE

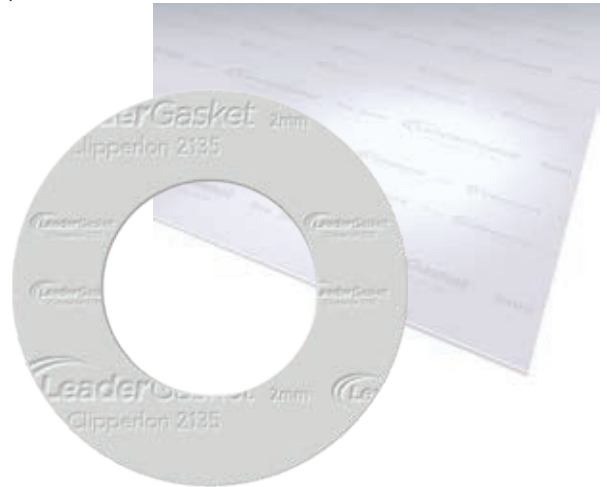
Leader Clipperlon 2135 is marked without using inks or other contaminating colorants, applying a unique embossing process, which keeps the ePTFE clean and pure. This makes it the optimum sealing material for food and pharmaceutical applications.

### Sealing Characteristics

- Chemical inert
- High creep resistance
- Highly conformable to the sealing surface
- Low leak rate
- Suitable for high temperatures
- Non ageing

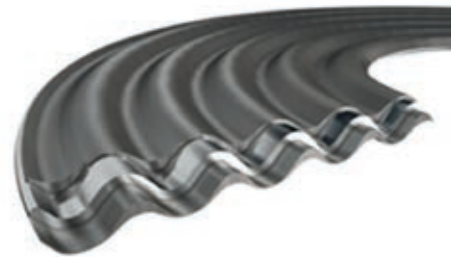
### Chemical Compatibility, Pressure And Temperature

- Particularly for use with harsh chemicals from pH 0 to 14 (except for molten alkali metals and elemental fluorine gas)
- Pressure up to 55 bar (higher pressures depending on the individual installation)
- Temperature from -240°C up to +230°C



# Elastagraph™

Elastagraph™ gaskets are designed specifically to solve fugitive emission and compliance problems they also have excellent performance in bolted joints that experience thermal cycling or limited initial bolt load.



Elastagraph™ Gaskets are the most economical way of meeting low emission requirements.

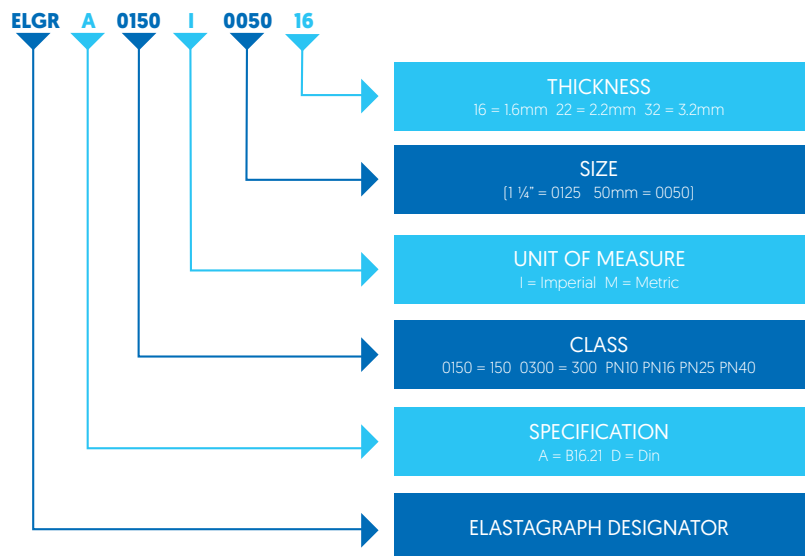
### Approvals

- TA-Luft
- BAM
- DVGW
- Firesafe

### Sealing Characteristics

- Low porosity
- Very low emission
- Perfect seal-ability on low bolt load
- High recovery
- Suitable for irregular flanges and surfaces
- To be used for elevated and cryogenic temperatures
- Improved handle ability
- Minimum sticking to flange surfaces

### Part Number Identifier



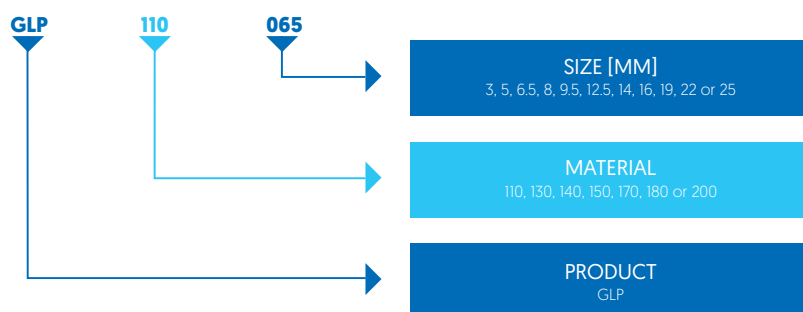
Example: ELGAA0150I040016  
ELGADPN10M006516

# Gland Packings

## Material Grades

ERIKS Sealing & Polymer is able to supply a comprehensive range of material grades to suit your specific needs. In addition, we also stock a wide range of extraction tools.

## Part Number Identifier



All coils are generally supplied at n 8m lengths

**Example:** GLP140125 GLP200050

MATERIAL	APPLICATION
110	Cost effective cotton fibre gland packing with graphite and lubricated
130	Graphite/PTFE with aramid in corners reinforced braided with a silicone rubber core
140	Twisted fibreglass and impregnated with a composite inc. a high percentage of graphite with lubricant
150	General use twisted fibreglass gland packing impregnated with PTFE and silicone lubricant
170	Braided PTFE filament, also impregnated with PTFE dispersion and additional lubricants
180	Braided and manufactured from expanded graphite yarn with an exceptionally high carbon content
200	Extremely hard wearing gland packing with aramid fibres, braided and impregnated with PTFE

## LeaderTHERM NXT 1010

### Gas Tight High Temperature Facing for Kammprofile Gaskets

- Extreme temperature flange gasket material
- Effective tightness even at high temperatures (up to 750C) and pressures
- Low weight loss at extreme conditions
- Oxidation resistance
- Non-combustible
- Sustainable solution
- BAM approval
- No polymer binder for improved thermal cycling capability
- Improved water resistance



# Sealing solutions for the Pharmaceutical Industry

## Material Compliance

The United States Food and Drug Administration (FDA) United Codes of Federal Regulations 21 CFR 177.2600 controls the specification of rubber articles for use in food, pharmaceutical and similar applications through a list of approved ingredients: Paragraph A–D and extraction limits in water and n-hexane, paragraphs E and F for aqueous and fatty applications.

United States Pharmacopeia (USP) Class VI testing determines the effects of materials upon living tissue in-vitro [Suffix 87] and in-vivo [Suffix 88].

ASTM FAMILY	GRADE	HARDNESS IRHD	COLOUR	AVAILABLE IN:	FDA 21CFR177.2600			UNITED STATES PHARMACOPEIA	
					DRY FOOD, PARAS A-D FORMULATION COMPLIANCE	DRY AND AQUEOUS, PARAS A-E	DRY, AQUEOUS AND FATTY, PARAS A-F	USP <87> IN-VITRO	USP <88> CLASS VI IN-VIVO
NBR	366470	70	Black	O-rings	X	X	X		
NBR	Various*	70	Various	Hygienic Clamp, SMS, ISO 2853	X				
EPDM	55985	70	Black	O-rings	X	X	X		X
EPDM	Various*	70	Various	Hygienic Clamp, SMS, ISO 2853	X	X	X		(please enquire)
VMQ	714772	70	White	O-rings	X	X	X		
VMQ	714177	70	Red	O-rings	X	X	X		
VMQ	Various*	70	Various	Hygienic Clamp, SMS, ISO 2853	X	X	X		(please enquire)
FKM (A)	514010	75	White	O-rings	X	X	X		
FKM (GF)	514683	75	Black	O-rings	X	X	X		
FKM (GF)	514592	70	White	O-rings	X	X	X	X	X
FKM (A)	Various*	70	Various	Hygienic Clamp, SMS, ISO 2853	X	X	X		(please enquire)
FFKM	FFKM-75-164	75	Black	O-rings	X	X	X		
FFKM	FFKM-70-246	70	White	O-rings	X	X	X	X	X
FEP / VMQ	900554	75	Clear / red	O-rings	FDA 21CFR177.2600 A-F; FDA 21CFR177.1550		Outer FEP only		
PFA / FKM	900561	75	Clear / black	O-rings	FDA 21CFR177.2600 A-D; FDA 21CFR177.1550		Outer PFA only		

Various\* = please refer to <http://sealshop.eriks.co.uk/>

## O-rings for Hygienic Couplings

### EHEDG DIN 11864 Sizes

NOMINAL SIZE (INCHES)	O-RING INNER DIAMETER (MM)	O-RING CROSS SECTION
1/2	12	3.5
3/4	18	3.5
1	24	3.5
1.1/2	37	3.5
2	50	5
2.1/2	62	5
3	75	5
4	100	5

### BS 4825 Part 5 RJT Fitting Sizes

NOMINAL SIZE (INCHES)	O-RING INNER DIAMETER (MM)	O-RING CROSS SECTION
1	26.7	6.6
1.1/2	39.4	6.6
2	52.1	6.6
2.1/2	64.8	6.6
3	77.5	6.6
4	102.9	6.6

## Design Considerations

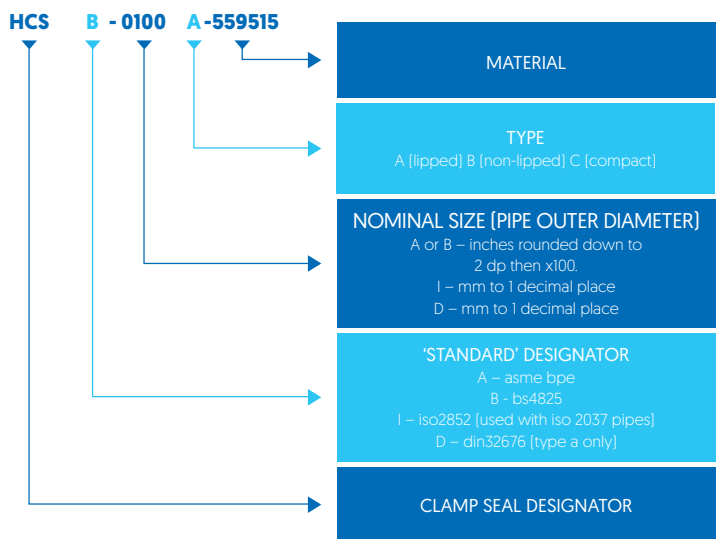
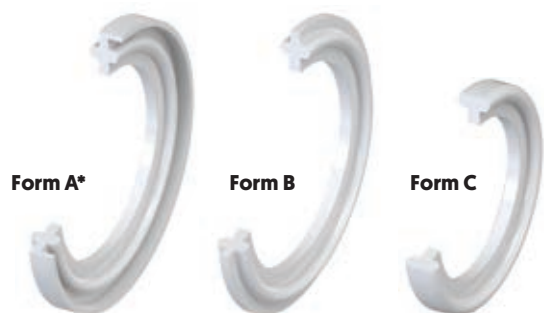
Square section O-ring grooves are unsuitable in most applications due to the risk of bug traps. Proven hygienic coupling designs are readily available including: hygienic clamp seals, DIN 11851 D-Seals, O-Rings for DIN 11864 and BS 4825 part 5 RJT fittings, SMS and ISO 2853 couplings. Further design guidelines are published by the ASME-BPE (American Society of Mechanical Engineers Bio Processing Equipment guidelines) and the EHEDG (European Hygienic Engineering and Design Group) which look beyond the seal material and consider the seal in its operating environment.

\*Note that nominal/DIN sizes typically reflect the outer diameter of the tube onto which the unions are fitted.

## Hygienic Clamp Seals

### Standards:

- BS 4825
- ISO 2852
- DIN 32676
- ASME BPE



\* Type A: Flanged seals are typically used and provide location upon the mating hardware.

### BS 4825

SIZE (MM)	SIZE (INCH)	C	E/S
25.4	1	22.8	50.5
38.1	1.1/2	35.5	50.5
50.8	2	48.2	64
63.5	2.1/2	60.5	77.5
76.2	3	73.2	91
101.6	4	97.8	119
114.3	4.1/2	110.5	130
139.7	5.1/2	135.9	155
168.3	6.5/8	163.3	183
219.1	8.5/8	214.1	233.5

### DIN 32676

NOM SIZE (MM)	C (MM)	E/S (MM)
10	10.2	34
15	16.2	34
20	20.2	34
25	26.2	50.5
32	32.2	50.5
40	38.2	50.5
50	50.2	64
65	66.2	91
80	81.2	106
100	100.2	119
125	125.2	155
150	150.2	183
200	200.2	233.5

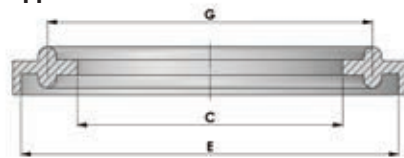
### ASME BPE

SIZE (INCH)	FORM	NOM. SIZE (INCH)	C (REF (INCH)	F (REF)
1/4	C	0.250	0.180	0.800
3/8	C	0.375	0.305	0.800
1/2	C	0.500	0.370	0.800
3/4	C	0.750	0.620	0.800
1	C	1.000	0.870	1.160
1	B	1.000	0.870	1.718
1 1/2	B	1.500	1.370	1.718
2	B	2.000	1.870	2.218
2 1/2	B	2.500	2.370	2.781
3	B	3.000	2.870	3.281
4	B	4.000	3.834	4.344
6	B	6.000	5.782	6.176

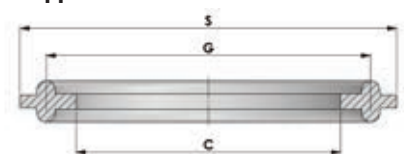
### ISO 2852

NOM. SIZE (MM)	C (MM)	E/S (MM)
12	10.2	34
12.7	10.9	34
17.2	15.4	34
21.3	19.5	34
25	22.8	50.5
33.7	31.5	50.5
38	35.8	50.5
40	37.8	64
51	48.78	64
63.5	60.5	77.5
70	67	91
76.1	73.1	91
88.9	85.1	106
101.6	97.8	119
114.3	110.5	130
139.7	135.9	155
168.3	163.3	183
219.1	214.1	233.5

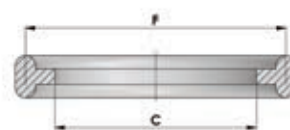
### Lipped Seal



### Unlipped Seal



### Compact Seal



## DIN 11851

This German standard hygienic fitting is recognised by the round slotted nut, D-section joint ring and the coned recess in the male part.



HDR - DN25

EP

70 - 559515

COMPOUND REFERENCE

HARDNESS

MATERIAL FAMILY DESIGNATOR

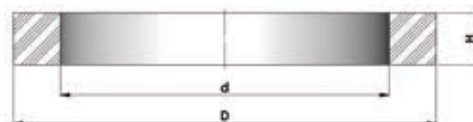
NOMINAL SIZE

HYGIENIC D-RING DESIGNATOR

DIN SIZE	ID D (MM)	OD D (MM)	H (MM)
DN10	12	20	4.5
DN15	18	26	4.5
DN20	23	33	4.5
DN25	30	40	5
DN32	36	46	5
DN40	42	52	5
DN50	54	64	5
DN65	71	81	5
DN80	85	95	5
DN90	94	104	5
DN100	104	114	6
DN125	130	142	7
DN150	155	167	7

## SMS 1149

This Swedish standard hygienic fitting can be recognised by the round slotted nut and square section joint ring.



HSMS - DN38

EP

70 - 559515

COMPOUND REFERENCE

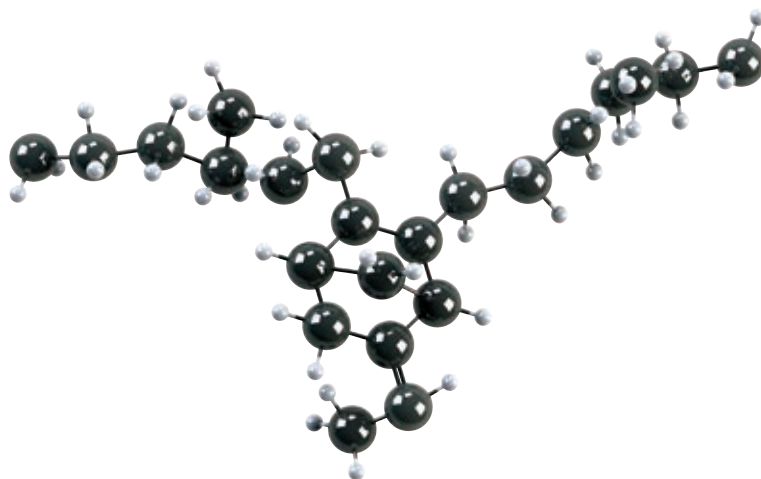
HARDNESS

MATERIAL FAMILY DESIGNATOR

NOMINAL SIZE

HYGIENIC SMS DESIGNATOR

DIN SIZE	ID D (MM)	OD D (MM)	H (MM)
DN25	25	32	5.5
DN32	32	40	5.5
DN38	38	48	5.5
DN51	51	61	5.5
DN63.5	63.5	73.5	5.5
DN76	76	86	5.5
DN101.6	101.6	113.5	5.5



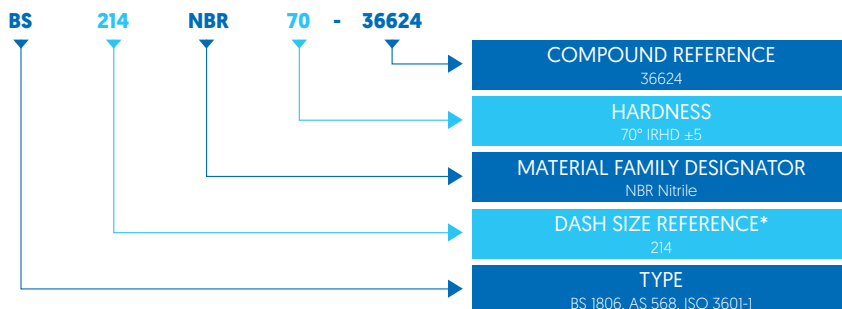


# O-ring

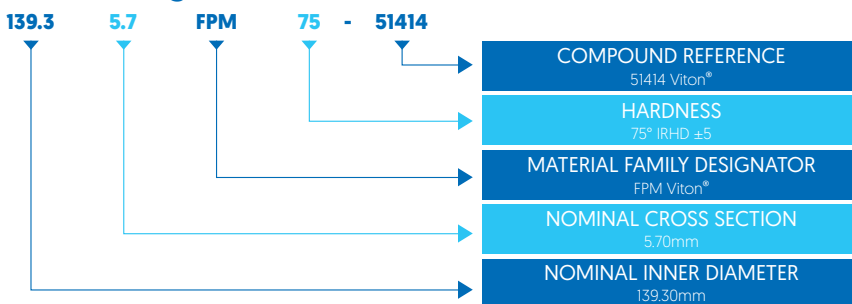
The most common type of static seal is the flexible elastomer O-ring. O-rings provide an affordable seal that in most cases are simple to install and subject to correct material selection give acceptable life between maintenance checks.

Available in a variety of materials to suit every sealing application, fully moulded O-rings are manufactured to several international sizes standards including BS 1806, BS 4518, AS 568 and ISO 3601. Alternatively non-standard custom sizes up to 2.5m [8ft] diameter can be produced to specific requirements.

## Imperial O-rings



## Metric O-rings



O-rings are supplied to ISO 3601-1 class b tolerances unless otherwise specified.

ASTM DESIGNATOR	GRADE	COLOUR	HARDNESS	FAMILY DESIGNATOR
NBR	36624	Black	70	NBR
FKM	51414	Black	75	FPM
EPDM	55985	Black	70	EP
VMQ	714177	Red	70	SIL

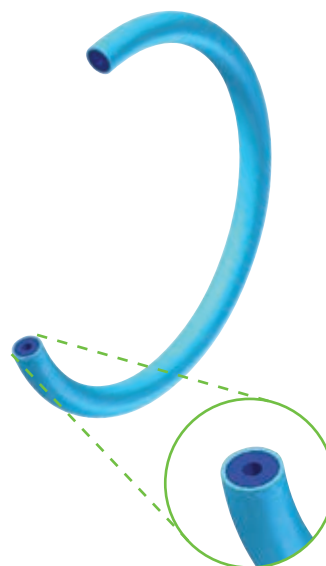
## Teflex® O-ring

Harsh chemicals may replace the use of conventional elastomeric O-ring seals. This is where ERIKS FEP/PFA Teflex O-rings offer a high performance solution.

A Teflex O-ring comprises an elastomeric energising core, which has a seamless jacket made from a fluoropolymer. The elastomeric core may be Viton® or Silicone. The jacket is made from Teflon® FEP or PFA.

### Advantages:

- Excellent chemical resistance, comparable with that of PTFE
- Special dimensions available on request
- ADI (Animal Derived Ingredient) free



## Bonded Washer Seals

Bonded Seals were originally designed to replace copper type washers in high pressure systems. The bonded seal comprises of a metal washer [square or rectangular in section] to which a trapezoidal elastomeric ring is bonded. The advantages of this system is that the metal washer resists the bursting forces applied and also limits any deformation of the elastomeric element. The metal washer also limits the compression of the seal and eliminates any over torque of the joint.

### Bonded Seals

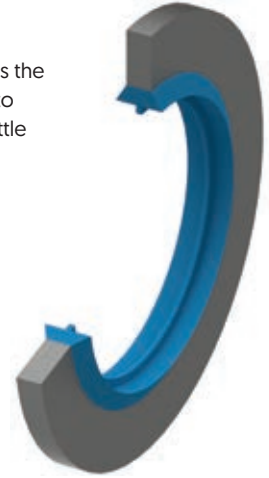
- Reliable high and low pressure sealing
- Wide temperature capability
- Over compression prevented by metal outer ring
- Wide range of metals and elastomers
- Available in a wide range of imperial and metric sizes



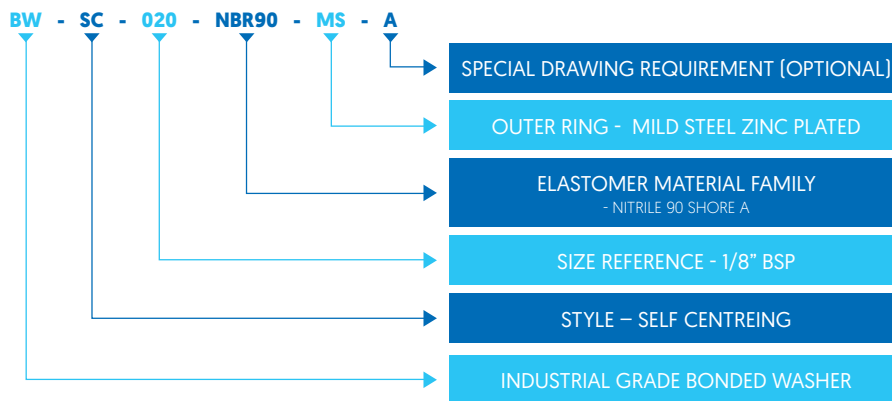
### Self-Centring Bonded Seals

The self-centring type of bonded seal has the additional benefit of pre-assembling on to threads. The thin seal membrane offers little resistance during assembly.

- All key benefits of original design
- Concentrically located
- Positively retained
- Ability to pre-assemble
- Can be automatically installed



### Bonded washer part number break down



### Common sizes

BSP	STANDARD	ID (LIP) ±0.13	ID (METAL RING) ±0.14	OD (METAL RING) ±0.13 -0.01	THICKNESS	MINIMUM BURST PRESSURE BAR
1/8	020	10.37	11.84	15.88	2	1480
1/4	021	13.74	15.21	20.57	2	1540
3/8	023	17.28	18.75	23.80	2	1230
1/2	025	21.54	23.01	28.58	2.34	1120
5/8	026	23.49	24.97	31.75	2.34	1240
3/4	027	27.05	28.53	34.93	2.34	1050
7/8	029	38.10	32.29	38.10	2.34	860
1	030	33.89	36.88	42.80	3.25	780
1.1/4	032	42.93	45.93	52.38	3.25	690
1.1/2	033	48.44	51.39	58.60	3.25	690
1.3/4	034	54.89	58.3	69.85	3.25	950
2	036	73.03	63.63	73.03	3.25	720
2.1/4	038	66.68	69.98	79.50	3.25	670
2.1/2	039	76.08	79.38	90.17	3.25	680

### Elastomeric material options

COMPOUND REFERENCE	ELASTOMERIC MATERIALS/ SHORE HARDNESS
NBR90	Nitrile 90
FKM75	Fluorocarbon 75

### Metal outer ring options

METAL REFERENCE	ELASTOMERIC MATERIALS/ SHORE HARDNESS
MS	Mild Steel Zinc Plated
SS	Stainless Steel 316
SL	Stainless Steel 316L

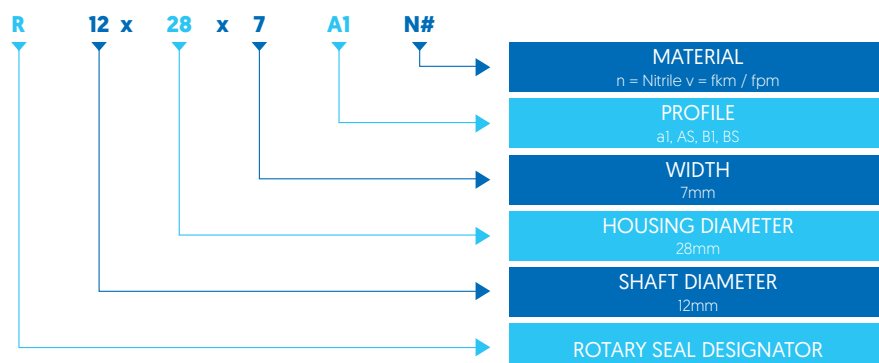
### Style options

STYLE CODE	DESCRIPTION
SC	Self Centring
NC	Standard (Non-Centreing)

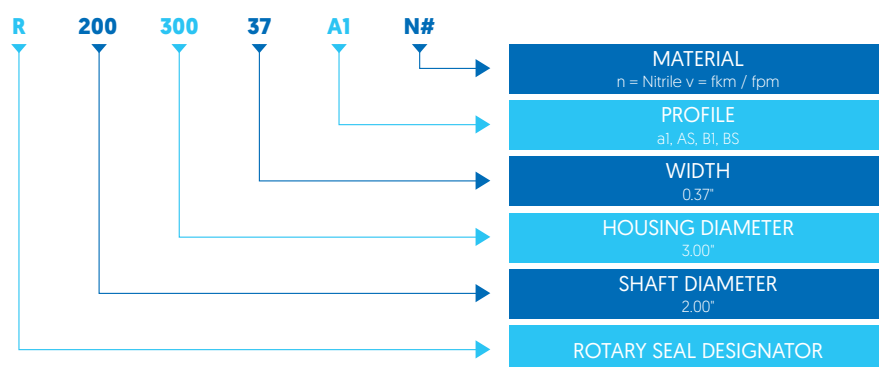


# Elastomeric Rotary Lip Seals

## METRIC



## IMPERIAL



A1



AS



B1



BS

## Shaft Sleeves

Shaft Sleeves are typically used to repair damaged running surfaces, however they can be used in production to cost-effectively achieve appropriate surface hardness and finish.

ERIKS Sealing Technology can provide shaft sleeves manufactured from chromed stainless steel and HVOF-applied wear surfaces. Our manufacturing processes carefully control the average roughness [Ra] and material ratio [Tp] of the surface to maximise life and sealing efficiency.



## Circlips

Circlips, also known as retaining rings, are typically used to maintain the axial location of bearings and seals within housings. Available in metric (DIN 471/DIN 472) and imperial sizing, circlips are typically produced in high performance spring steel, although other materials including stainless steel and phosphor-bronze are available upon request.

External circlips fit around the outside diameter of a shaft, and internal circlips are installed into a housing bore recess.

### Circlips part number breakdown



\*Metric Size is nominal shaft [External] / housing bore [Internal] diameter multiplied by 10, expressed as 4 digits.

\*Imperial size, nominal shaft [External] / housing bore [Internal] diameter rounded down to two decimal places and multiplied by 100.

PART NO	SHAFT DIAMETER (MM)
D1300-0080SS	8
D1300-0140	14
D1300-0190	19
D1300-0200	20
D1300-0220	22
D1300-0230	23
D1300-0260	26
D1300-0260SS	26

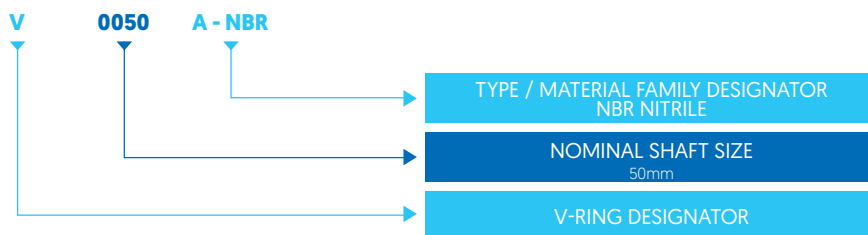
PART NO	SHAFT DIAMETER (MM)
D1300-0280	28
D1300-0320	32
D1300-0340	34
D1300-0400	40
D1400-0070	7
D1400-0080	8
D1400-0100	10
D1400-0120	12

PART NO	SHAFT DIAMETER (MM)
D1400-0150	15
D1400-0160	16
D1400-0170	17
D1400-0200	20
D1400-0250	25
D1400-0250SS	25
D1400-0300	30
D1400-0350	35

## V-rings

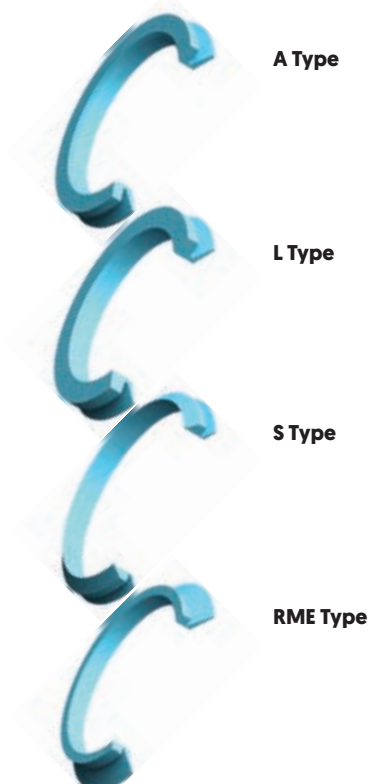
V-rings are an all elastomer axial seal for shafts and bearings. It installs onto the shaft or counterface. This type of seal has been used widely for many applications and has proved to be reliable and effective against dust, dirt, water, oil splash and other media.

### V-ring part number breakdown



PART NO	SHAFT DIAMETER (MM)
V0016A-NBR	15.5 - 17.5
V0020A-NBR	19 - 21
V0025A-NBR	24 - 27
V0030A-NBR	29 - 31
V0035A-NBR	33 - 36
V0040A-NBR	38 - 43
V0045A-NBR	43 - 48
V0050A-NBR	48 - 53
V0055A-NBR	53 - 58
V0060A-NBR	58 - 63
V0065A-NBR	63 - 68

PART NO	SHAFT DIAMETER (MM)
V0075A-NBR	73 - 78
V0080A-NBR	78 - 83
V0085A-NBR	83 - 88
V0070A-NBR	86 - 73
V0090A-NBR	88 - 93
V0095A-NBR	93 - 98
V0100A-NBR	98 - 105
V0110A-NBR	105 - 115
V0140A-NBR	135 - 145
V0220A-NBR	210 - 235



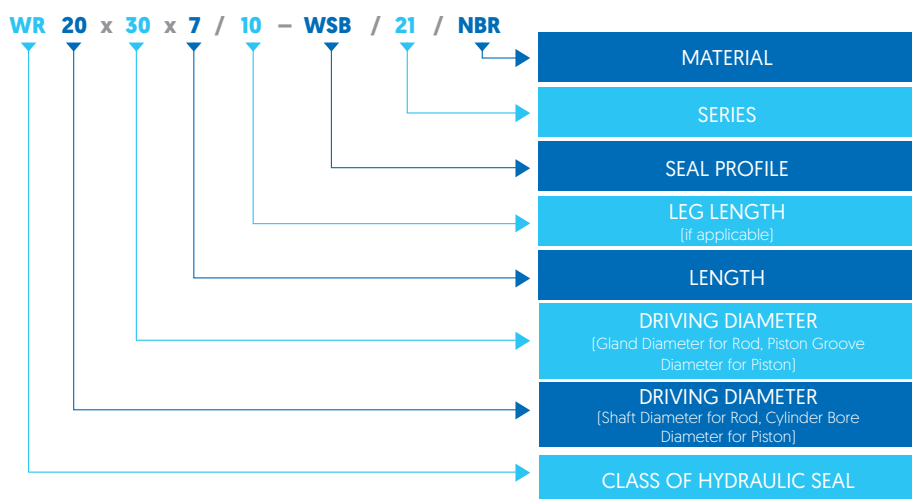
# Hydraulic Seals

Our Series 21 hydraulic and pneumatics range allows you to specify commonly used dynamic seal profiles by hardware envelope and function, but does not limit supply to an individual manufacturer. Taking this approach clearly defines the product specifications, but maximises flexibility, ensuring continuity of supply for readily available products, keeping your industrial fluid power equipment or mobile plant operational.

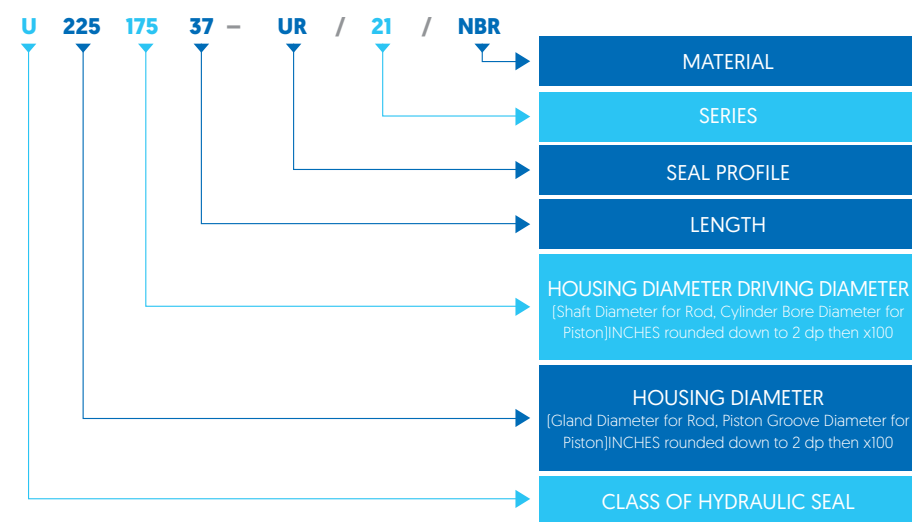
If your application requires a specific branded item we offer expertise in the optimal selection and sourcing of such items. Our in-house design engineers are happy to help you select one of our premium hydraulics range for applications demanding resistance both to mechanical extremes and thermo-chemical attack.

Please contact ERIKS Sealing Technology for further assistance.

## Metric



## Imperial



MATERIAL	
NBR Nitrile	B - Bronze PTFE
NFR Nitrile/ fabric	C - Carbon PTFE
PUR Polyurethane	G - Glass PTFE
	V - Virgin PTFE

NOTE: If selected profile requires leg length to be detailed insert / \_ as detailed in metric part numbering above

CLASSES	
WR	Wiper Ring
U	U-Cup
SA	Single Acting
DA	Double Acting
CSR	Composite Rod Working
CSP	Composite Piston Working

SEAL PROFILES											
Rod Wipers	WSA	WSB	WSM	WSF	WSG	WSO	WSW	WSV	WPA	WPB	WPE
Rod Seals UR [Single Acting]	UI	SPB	SEI	GPB	CSR	VP					
Piston Seals [Double Acting]	DOP	DOP [Alpha]	DOP [Compact]	DPB	DWL	DEO	CSP				
Other Seals	CP	DI	DE	UE							

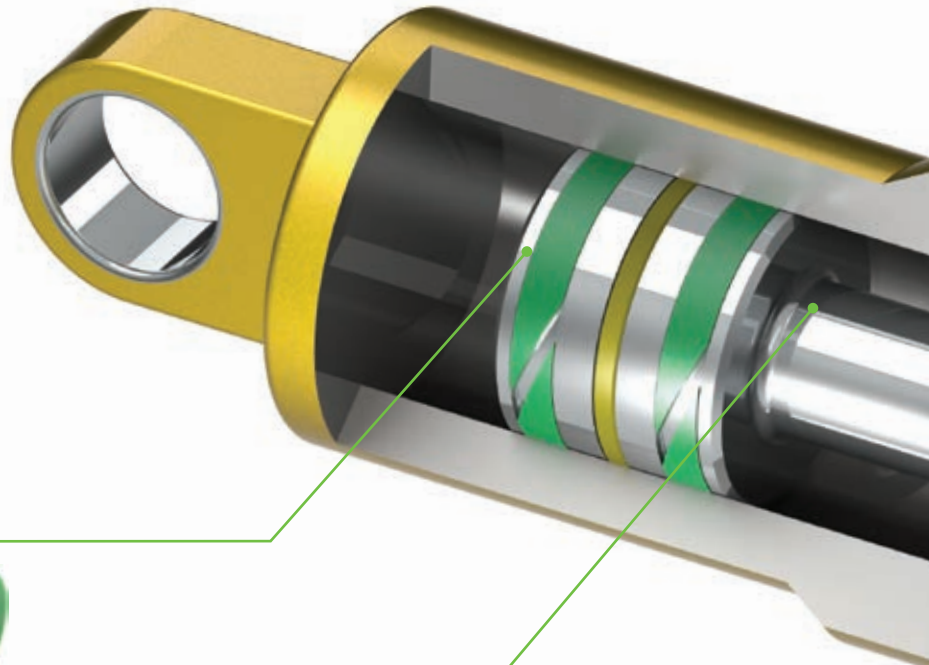
# Heavy Duty Hydraulic Seal Profiles

## Valve Packing - VP



UR

<b>Features</b>	<ul style="list-style-type: none"> <li>■ Staged design</li> <li>■ Multiple lips</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ High pressure capabilities</li> <li>■ Redundancy and minimised fugitive emissions</li> </ul>



## Wear Rings/Bearing Strips



Fabric Reinforced



PTFE Styles

<b>Features</b>	<ul style="list-style-type: none"> <li>■ High compressive strength</li> <li>■ High compressive modulus</li> <li>■ High pressure velocity rating (PV) factor</li> <li>■ Low wear rate</li> </ul>	<b>Features</b>	<ul style="list-style-type: none"> <li>■ Low friction</li> <li>■ Self-lubricating</li> <li>■ Low wear</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ High side load</li> <li>■ Outstanding alignment</li> <li>■ Low axial length requirement</li> <li>■ Long life</li> </ul>	<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Energy efficient</li> <li>■ Dry running possible</li> <li>■ Long life</li> </ul>

## Piston Seals



DOP



CSP



DE

<b>Features</b>	<ul style="list-style-type: none"> <li>■ Elastomeric energiser</li> <li>■ Compliant, wear resistant sealing element</li> <li>■ High strength anti-extrusion rings</li> <li>■ Integral bearing features</li> </ul>	<b>Features</b>	<ul style="list-style-type: none"> <li>■ Elastomer energiser</li> <li>■ Symmetric design</li> </ul>	<b>Features</b>	<ul style="list-style-type: none"> <li>■ Pressure actuated</li> <li>■ Radially asymmetric</li> <li>■ Deflected lip geometry</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Low compression set for extended operating life</li> <li>■ High sealing efficiency</li> <li>■ High pressure operation with large diametral clearances</li> <li>■ Reduced axial length requirements</li> </ul>	<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Pressure assisted sealing</li> <li>■ Bi-directional operation</li> </ul>	<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ High sealing efficiency</li> <li>■ Optimised for piston applications</li> <li>■ Low friction</li> <li>■ Often used for pneumatic/distributor applications</li> </ul>



UR



UI



SPB

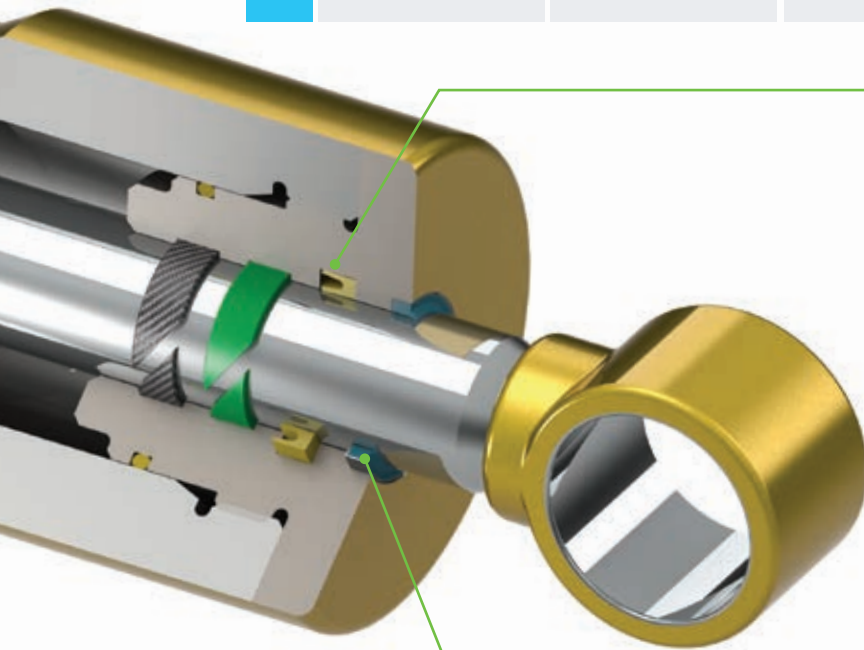


CSR



CSR

Features	<ul style="list-style-type: none"> <li>■ Pressure actuated</li> <li>■ Radially symmetric</li> <li>■ Deflected lip geometry</li> </ul>	<ul style="list-style-type: none"> <li>■ Pressure actuated</li> <li>■ Radially asymmetric</li> <li>■ Deflected lip geometry</li> </ul>	<ul style="list-style-type: none"> <li>■ Elastomer contact sealing element</li> <li>■ Fabric reinforced jacket</li> </ul>	<ul style="list-style-type: none"> <li>■ Thermoplastic sealing element</li> <li>■ Elastomer energiser</li> </ul>	<ul style="list-style-type: none"> <li>■ Pressure actuated</li> <li>■ Radially asymmetric</li> <li>■ Deflected lip geometry</li> </ul>
Advantages	<ul style="list-style-type: none"> <li>■ High sealing efficiency</li> <li>■ Can be used in both rod and piston applications</li> <li>■ Low friction</li> </ul>	<ul style="list-style-type: none"> <li>■ High sealing efficiency</li> <li>■ Optimised for rod applications</li> <li>■ Low friction</li> </ul>	<ul style="list-style-type: none"> <li>■ High sealing efficiency</li> <li>■ High pressure extrusion resistance</li> </ul>	<ul style="list-style-type: none"> <li>■ Surface compliance</li> <li>■ Transmits sealing pressure to assist sealing</li> </ul>	<ul style="list-style-type: none"> <li>■ High sealing efficiency</li> <li>■ Optimised for rod applications</li> <li>■ Low friction</li> <li>■ Often used for pneumatic/distributor applications</li> </ul>



Rod Seals

Wipers



WSB



WSM



WSF



WPB

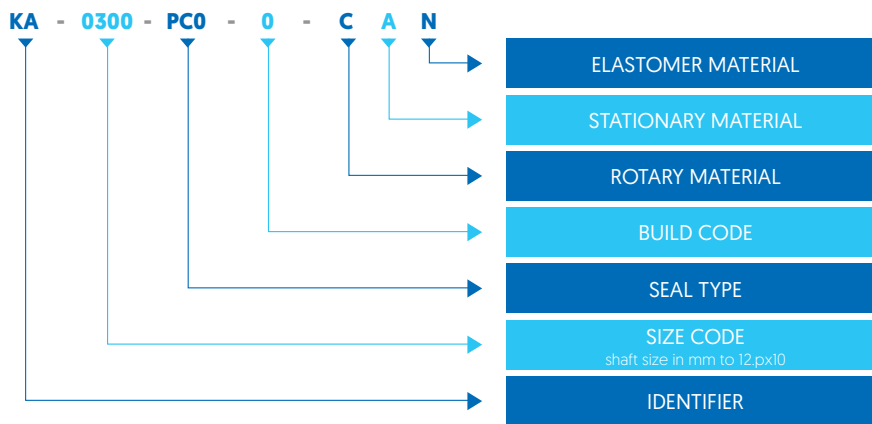
Features	<ul style="list-style-type: none"> <li>■ Extended scraping lip</li> </ul>	<ul style="list-style-type: none"> <li>■ Extended scraping lip</li> <li>■ Positive mechanical retention</li> </ul>	<ul style="list-style-type: none"> <li>■ Pressure activated</li> <li>■ Axially located within groove</li> <li>■ Combined scraping and sealing</li> <li>■ Cantilever sealing lip</li> </ul>	<ul style="list-style-type: none"> <li>■ Metallic insert location</li> <li>■ Extended scraping lip</li> </ul>
Advantages	<ul style="list-style-type: none"> <li>■ Excellent contaminant exclusion</li> </ul>	<ul style="list-style-type: none"> <li>■ Excellent contaminant exclusion</li> <li>■ Improved hardware location</li> </ul>	<ul style="list-style-type: none"> <li>■ Efficient sealing efficiency</li> <li>■ Low hysteresis</li> <li>■ Low axial length requirement, ideal for secondary sealing</li> <li>■ Low friction</li> </ul>	<ul style="list-style-type: none"> <li>■ Press-fit</li> <li>■ Excellent contaminant exclusion</li> </ul>

# Mechanical Seals

ERIKS Sealing & Polymer Technology offers a vast range of products. We hold ISO 9001:2008 quality accreditations for dynamic sealing solutions and specialist moulded products.



## Mechanical seals part number breakdown



SEAL TYPE		
BELLOWS	PARALLEL SPRING	TAPER SPRING
BAO	PAO	TAO
BBO	PBO	TBO
BBA	PCO	TCO
BBB	PDO	TCD
BCO	PDU	TD0
BCU	PEO	TGO
BDO	PEU	
BDU	PHO	
BEO	PHA	
BEA		
BEB		
BGO		
BPB		
BPD		

IDENTIFIER	BUILD CODE	ROTARY MATERIAL CODE	STATIONARY MATERIAL CODE	ELASTOMER MATERIAL CODE
KA Assembly	0 Standard	O Not Required	O Not Required	O Not Required
KR Rotary Only	1 SA0 Stationary	A Alumina Ceramic	A Alumina Ceramic	E EPDM
KS Stationary Only	2 SB0 Stationary	C Double Phenolic Resin Impregnated Carbon/Graphite	C Carbon	F FEP
	3 SC0 Stationary	C2 Antimony Carbon	C2 Antimony Carbon	N Nitrile
	4 SDO Stationary	C3 Double Phenolic Resin Impregnated Carbon/Graphite FDA Compliant	C3 Double Phenolic Resin Impregnated Carbon/Graphite FDA Compliant	P PTFE
	5 SDA Stationary	C4 Triple Phenolic Resin Impregnated Carbon/Graphite	C4 Triple Phenolic Resin Impregnated Carbon/Graphite	V Viton
	6 SE0 Stationary	S Reaction Bonded Silicon Carbide	S Reaction Bonded Silicon Carbide	
	7 SF0 Stationary	S2 Sintered Silicon Carbide	S2 Sintered Silicon Carbide	
	8 SG0 Stationary	S3 Sintered Silicon Carbide Graphite Loaded	S3 Sintered Silicon Carbide Graphite Loaded	
	9 SGA Stationary	T Tungsten Carbide	T Tungsten Carbide	
	R Right Hand spring	X Stainless Steel	X Stainless Steel	
	L Left Hand spring			



## Bellow Seals

Non-directional and extremely versatile, these bellow seals are designed with no loose parts that could be damaged during installation, and feature static sealing that cannot cause shaft wear or fretting. Suitable for a wide range of applications, such as pumps, mixers, agitators and compressors, they can also be used where a previous seal has caused shaft damage.

- Wide range of metric and imperial sizes
- For shafts from 8mm to 100mm
- Faces: carbon, ceramic, stainless steel and silicon carbide



## Parallel Spring Seals

Widely used as the standard upgrade from packing to mechanical seals, parallel spring seals are the mainstay for many industries. Using a rubber diaphragm to seal against the shaft and provide drive to the face, they are suitable for use in applications such as water, food and chemical processing. Designs are also available with a balanced configuration to reduce heat and friction, extending seal life.

- Wide range of metric and imperial sizes
- For shafts from 10mm to 75mm
- Faces: carbon, ceramic, stainless steel and silicon carbide



## Taper Spring Seals

An extremely popular and effective design featuring positive drive via the spring, these seals are available in a wide range of sizes and styles, and are used in many applications including pumps, mixers, agitators and compressors. All designs feature O-ring sealing on the shaft and positive spring drive.

- Wide range of metric sizes
- For shafts from 10mm to 100mm
- Faces: carbon, ceramic, stainless steel and silicon carbide

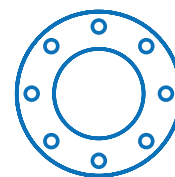


## Stationary Components

Generally O-ring mounted stationary components, or seats, are available in various materials to suit application requirements.

- Some designs feature a pin groove to improve seat retention. It is important to consider the application conditions and condition of the equipment when selecting a stationary component
- The stationaries illustrated are those commonly found in use today





# Gasket Cutting

## make-to-order gaskets available

To ensure you get the exact gasket you need when you need it, ERIKS has regionally located facilities able to cut or manufacture most gasket types to your required dimensions.

Spiral wound gaskets and RTJ's are available from stock with specials made to order. Our capabilities include:

- Oscilating knife cutting
- Die cutting
- Spiral winding
- Waterjet
- Machining



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Let's make industry work better

**ERIKS**



# FLUID POWER TRANSFER & CONTROL

Our comprehensive knowledge of Fluid Power, Transfer and Control, coupled with expert in-house Application Engineers, ensures that the solutions we deploy deliver optimum results - on time, to budget and with lifetime support.



## QUICK MANUFACTURER REFERENCE



136 - 137, 143, 146-147,  
154-155, 193



138-139, 144-145,  
148-149, 156-163



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150-151, 153



164-165



166-169,  
176-177



170-171, 187



178, 180-185



186



188-189



190-191



192

## QUICK PRODUCT REFERENCE

Compact Cylinders	137	Angle Seat & Pinch Valves	162	Compression Fittings	177
ISO Cylinders	138	Compact Chillers	164	Ball Valves	179
Stainless Steel Cylinders	140	Hydraulic Hose Sleeves	166	Hydraulic Filtration	180
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# WE MAKE FLUID POWER, TRANSFER & CONTROL WORK BETTER

## OUR MULTI-BRAND APPROACH ENSURES OPTIMUM RESULTS

We pride ourselves on providing solutions that make a real difference to your business, using our skilled team of specialist Application Engineers to truly understand your requirements.

Combining an unparalleled level of industry knowledge, with a holistic viewpoint and strong partner relationships with the world leaders in Fluid Power, Transfer and Control, our national service offering utilises a unique multi-brand approach meaning we provide a reliable solution every time, regardless of manufacturer.



### HYDRAULICS

No two hydraulics systems are the same, so our solutions – whether off-the-shelf or bespoke engineered – are based on careful assessment of your application requirements and on our Application Engineers' know-how.



### PNEUMATICS

Continuously evolving technology means it's essential to keep up-to-date on product developments to ensure optimum levels of efficiency and productivity. ERIKS Application Engineers can advise on how to manage product obsolescence throughout your business.



### FILTRATION

We can provide the most effective filtration solutions for air, steam and liquid systems. Taking an entirely impartial view, we can advise on selection, supply and stock management, to help you achieve optimum filtration with minimum energy costs.

## HOSE INTEGRITY MANAGEMENT PROGRAMME

Designed to proactively maintain your hoses, our field-based engineers will compile a detailed register of your equipment, then test industrial hose and visually inspect hydraulic to provide an insight into their condition, ensuring compliance is met.

You can also enrol your engineers onto the ERIKS foundation course for hydraulic hoses or our industrial hose education course, the latter in partnership with the British Fluid Power Association (BFPA).



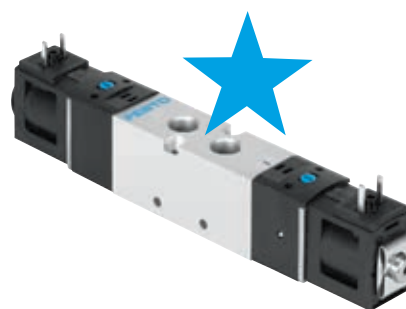
## FESTO

### FESTO QUALITY AT AN ATTRACTIVE PRICE

Festo has long been a world leader in industrial control and automation, with a focus driven by quality engineering.

Fulfilling 80% of automation tasks, the Blue Star range of core pneumatics products contains everything from actuators and drives, to valves, cylinders, sensors and accessories. In fact, there's some staggering 2200 products to choose from, all of which are available for fast, next day delivery.

To order your ERIKS Core Range of Pneumatics booklet from Festo, please visit <https://eriks.co.uk/festo-blue-star>



# MORE THAN THE SUM OF THE PARTS



### MORE CAPABILITIES

How do you want your systems? We have all the options you need:

- Build, installation and commissioning of complete systems
- Tailored or customised bespoke solutions
- One-off projects or volume quantities
- Our flexible production cells allow us to provide kits and sub-assemblies quickly to order



### MORE KNOW-HOW

We have a large team of highly-experienced Application Engineers, offering advice and support for product selection, integration and maintenance.



### MORE AVAILABILITY

Our Hose Technicians are not behind a desk, but behind the wheel of a fully-equipped vehicle. Ready to visit your site as required, they optimise response time and minimise downtime, through on-site inspection, testing, certification, and hose replacement.

# HOW WE MAKE FLUID POWER, TRANSFER & CONTROL WORK BETTER

## UNDERSTANDING CRITICALITY

Fluid Power, Transfer and Control covers a wide range of assets, applications and products. But generally, they have one thing in common: mission criticality.

Our Fluid Power Technology Centre has the resources, expertise and experience to help you:

- Maintain them at optimum efficiency – which can have a direct, positive influence on your cost of production
- Minimise their downtime – to help maximise your productivity
- Ensure their safe operation – to help protect your employees, the environment and your business's reputation





## THE SERVICES YOU EXPECT

### System Design and Build

We have the expertise and knowledge to build, install and commission complete systems. Our technicians can also create tailored and customised bespoke solutions, as well as one-off projects and volume quantities.

### Hydraulics

With our own R&D teams, and a global supply network, our extensive resources enable us to offer first class:

- Prototyping services
- Customisation and engineered solutions – from concept and design to testing and commissioning
- Hydraulic Hose testing services
- Compound creation – developing, testing and manufacturing new hose compounds for specific applications

### Pneumatics

Although we're the UK's largest distributor of pneumatic products, our offering doesn't end there. Our application know-how and expertise enable us to offer the following:

- Design
- Test assemblies
- CAD drawings
- Pressure test certification
- Certificates of conformity
- Air leak surveys

### Filtration

At ERIKS, we believe that having field-based, competent technical sales engineers separates us from those who simply provide a product in a box. Our services include:

- On-site fluid sampling
- Independent filtration audits
- Oil analysis
- Lab services

### Filter Changing Service

Utilising our network of skilled technicians, we offer a quality filter changing service. This service includes the supply, replacement and compliant disposal of air filters to and from your facility.

## **YOUR FLUID POWER SOLUTION FOR:**

- **HYDRAULICS**
- **PNEUMATICS**
- **CUSTOMISED SOLUTIONS**
- **ENGINEERED SYSTEMS**
- **CONTAMINATION MONITORING**



FLEXION DELIVERS A WIDE RANGE OF **FLUID POWER PRODUCTS AND SERVICES** THAT OFFER **VALUE** TO DESIGN AND MAINTENANCE ENGINEERS, BOTH IN TERMS OF **PERFORMANCE AND COST**

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- *Access to proven Fluid Power solutions and customisation*
- *Dedicated Fluid Power application and technical support*
- *Engineering products that exceed international standards*
- *Effective product development through shared knowledge*
- *Proven track record in providing Fluid Power solutions*

**ERIKS** Call us today on: **0121 508 6000**

**YOUR  
FLUID  
POWER  
SOLUTION**



# Compact Cylinders

Flexion™ ISO 21287 Compact Cylinders 16-100mm bore

# Flexion™

**FLEXION™ Compact cylinders conform to UNITOP standards (16mm bore) or ISO 21287 (20mm–100mm).**

The profile of the body is designed to use the same sensors as the existing cylinders in the FLEXION™ range, simplifying stock requirements.

32mm to 100mm bore cylinders have the same fixing centres as the ISO 15552 range of cylinders, making the cylinder mounting accessories interchangeable.

Equipped with elastomer cushions to increase cylinder life and reduce noise levels, the FLEXION™ compact cylinder is the ideal choice of actuator where space is limited, with overall body lengths up to 60% shorter than an ISO 15552 equivalent.



## EPC

Constant

ERIKS Pneumatic  
Cylinder

Bore Size (mm)

16, 20, 25, 32,  
40, 50, 63, 80, 100

## -

Constant

Stroke (mm)

5, 10, 15, 20, 25, 30,  
40, 50, 80, 100  
Max Stroke 100

## CFDA

Constant

C – Compact  
F – Female Piston  
Rod Thread  
DA – Double Acting

## -

Constant

## FX

Constant

FLEXION Brand

## 16mm Bore

PART NO	STROKE (MM)
EPC16-5CFDA-FX	5
EPC16-10CFDA-FX	10
EPC16-10CFDA-FX	15
EPC16-20CFDA-FX	20
EPC16-25CFDA-FX	25

## 32mm Bore

PART NO	STROKE (MM)
EPC32-10CFDA-FX	10
EPC32-20CFDA-FX	20
EPC32-25CFDA-FX	25
EPC32-30CFDA-FX	30
EPC32-40CFDA-FX	40
EPC32-50CFDA-FX	50

## 63mm Bore

PART NO	STROKE (MM)
EPC63-10CFDA-FX	10
EPC63-20CFDA-FX	20
EPC63-25CFDA-FX	25
EPC63-30CFDA-FX	30
EPC63-40CFDA-FX	40
EPC63-50CFDA-FX	50

## 20mm Bore

PART NO	STROKE (MM)
EPC20-5CFDA-FX	5
EPC20-10CFDA-FX	10
EPC20-15CFDA-FX	15
EPC20-20CFDA-FX	20
EPC20-25CFDA-FX	25

## 40mm Bore

PART NO	STROKE (MM)
EPC40-10CFDA-FX	10
EPC40-20CFDA-FX	20
EPC40-25CFDA-FX	25
EPC40-30CFDA-FX	30
EPC40-40CFDA-FX	40
EPC40-50CFDA-FX	50

## 80mm Bore

PART NO	STROKE (MM)
EPC80-10CFDA-FX	10
EPC80-20CFDA-FX	20
EPC80-25CFDA-FX	25
EPC80-40CFDA-FX	40
EPC80-50CFDA-FX	50
EPC80-80CFDA-FX	80
EPC80-100CFDA-FX	100

## 25mm Bore

PART NO	STROKE (MM)
EPC25-5CFDA-FX	5
EPC25-10CFDA-FX	10
EPC25-15CFDA-FX	15
EPC25-20CFDA-FX	20
EPC25-25CFDA-FX	25
EPC25-30CFDA-FX	30
EPC25-40CFDA-FX	40
EPC25-50CFDA-FX	50

## 50mm Bore

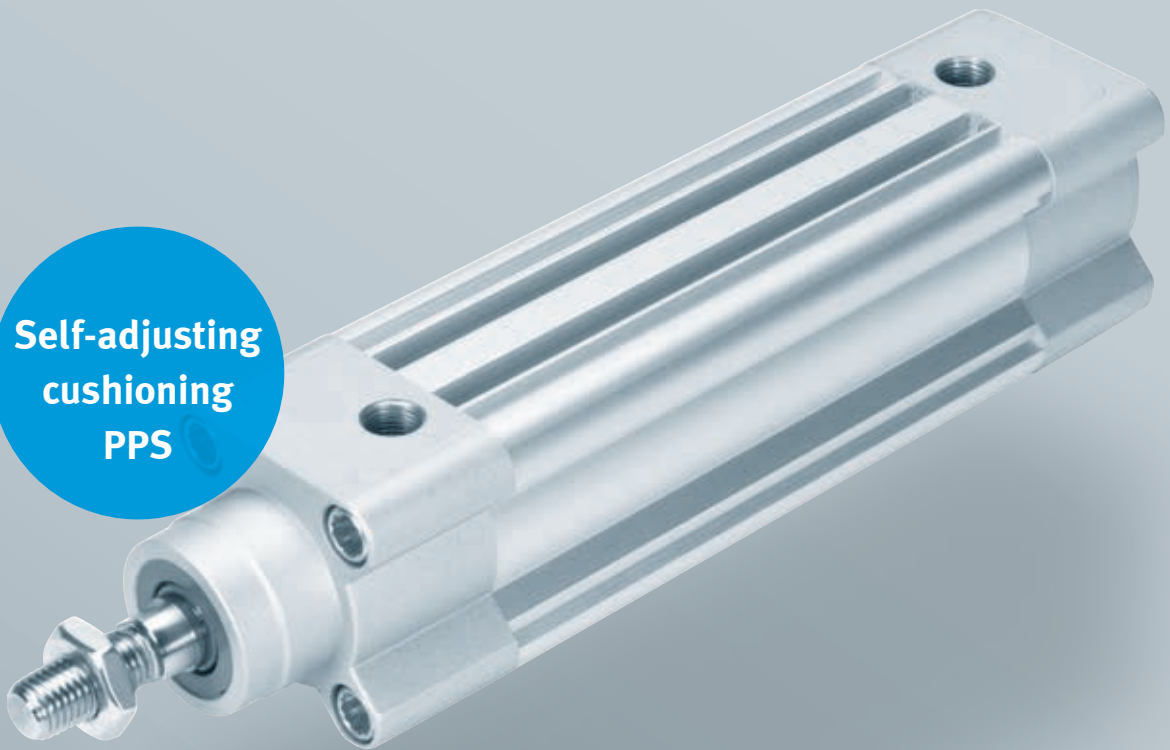
PART NO	STROKE (MM)
EPC50-10CFDA-FX	10
EPC50-20CFDA-FX	20
EPC50-25CFDA-FX	25
EPC50-30CFDA-FX	30
EPC50-40CFDA-FX	40
EPC50-50CFDA-FX	50

## 100mm Bore

PART NO	STROKE (MM)
EPC100-10CFDA-FX	10
EPC100-20CFDA-FX	20
EPC100-25CFDA-FX	25
EPC100-40CFDA-FX	40
EPC100-50CFDA-FX	50
EPC100-80CFDA-FX	80
EPC100-100CFDA-FX	100

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**Self-adjusting  
cushioning  
PPS**



**You would like to reduce your costs?  
You prefer a more reliable solution?  
We have the right product for you.**

**→ WE ARE THE ENGINEERS  
OF PRODUCTIVITY.**

**Our standard cylinders with PPS**

Always perfectly adjusted, even with changing loads and speeds. The self-adjusting pneumatic end-position cushioning PPS makes installation a lot quicker and considerably reduces downtimes. Above all, it increases your productivity.

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# ISO Cylinders

# FESTO

## DSBC - ISO profile cylinders

Small installation dimensions, massive performance.

- ISO 15552 standard with additional reliability and performance
- More than 20 km design stroke life
- Self adjusting (PPS) cushioning cuts set-up times and errors
- Seals and bearings enable higher side loadings and longer operating life
- Greatest range of mounting accessories and configurable options to suit application and environment



## ADN - ISO Compact cylinders

Small installation dimensions, massive performance.

- ISO 21287 standard with outstanding performance
- Optimised design for cost size and weight savings
- Robust performance and long service life.
- Configured for individual needs thanks to the modular product options
- Self adjusting (PPS) cushioning cuts set-up times and errors – tamperproof for additional reliability and performance



## DSNU - ISO round cylinders

ISO round cylinders, with optimised production and performance.

- ISO 6432 standard with additional reliability and performance
- More than 10 km design stroke life
- Self adjusting (PPS) cushioning version cuts set-up times and errors, tamper proof
- Polyurethane nose seals and longer nose bearings enable higher side loadings
- Stainless steel piston rod and barrel and corrosion resistant end caps



# ISOLine™ KA/802000 Cylinders

## New Stainless Steel Range



### **The most rugged and reliable cylinder for applications in harsh environments and where contact with food requires heavy washdown.**

- » Conforms to ISO 15552
- » Available in 32 mm to 200 mm bore sizes
- » 303, 304 and 316 stainless steel tie-rod construction
- » Choice of variants and mountings
- » Reed and solid state switches available for position sensing
- » Easy to order and configure online
- » Completes our ISO cylinder family – a cylinder for every application

### **Product Highlights:**

- » **Robust construction**
  - Ideal for aggressive applications
  - Resistant to the corrosive effects of washdown and chemical environments
- » **Reduced weight**
  - Lower overall weight of machine
  - Reduced transport costs
- » **Adaptive Cushioning System (ACS)**
  - No cushioning setting required – cylinder auto-adapts to application
  - Fit and forget
- » **Clean and modern appearance**
  - Looks great
  - Smooth end covers contoured to barrel gives clean appearance



# ISOLine™ Profile & Tie Rod Cylinders

Comprehensive range for the utmost versatility with cylinders and mountings that conform to ISO 15552. All sizes supplied magnetic as standard. Polyurethane seals ensure efficient low friction operation and long life.

## Introducing the IMI Norgren Adaptive Cushioning System (ACS)

Our cushioning system will automatically adapt to an application without the need for any adjustment of the cushion screw. This removes the need for specialist knowledge for set-up and simplifies installation. Also, the ACS will adjust to any changes in the application such as varying loads, which may occur over a cylinder cycle, a working shift or the life of the machine.

This will help to ensure the application always runs efficiently and potentially extend the servicing period of the machine. For extreme applications involving high speeds or heavy loads, a cushion screw is included for manual adjustment if required.

### Benefits

- Adaptive Cushioning System (ACS) – no cushioning setting required, cylinder auto-adapts to application. Fit and forget
- Improved performance – operates at low pressures with very low leakage
- Wide range of applications – heavy industrial to clean food and beverage to rail and truck
- Reduced weight – up to 20% lighter than previous models. Lowers overall weight of machine
- Additional switching mounting – for greater flexibility for machine designs

### ISOLine™ PRA/80200

- Ø32 -125mm
- Profile barrel
- Clean appearance
- Protection against ingress
- Flush mounted reed and solid state switches available for position sensing

### ISOLine™ RA/802000

- Ø32 -125mm
- Robust construction
- Suitable for more aggressive environments
- Reed and solid state switches available for position sensing
- External tie rod construction



	PROFILE	TIE ROD	DESCRIPTION
32MM DIAMETER	PRA/802032/M/25	RA/802032/M/25	32mm diameter, 25mm stroke, ISO15552
	PRA/802032/M/50	RA/802032/M/50	32mm diameter, 50mm stroke, ISO15552
	PRA/802032/M/80	RA/802032/M/80	32mm diameter, 80mm stroke, ISO15552
	PRA/802032/M/100	RA/802032/M/100	32mm diameter, 100mm stroke, ISO15552
	PRA/802032/M/125	RA/802032/M/125	32mm diameter, 125mm stroke, ISO15552
	PRA/802032/M/160	RA/802032/M/160	32mm diameter, 160mm stroke, ISO15552
40MM DIAMETER	PRA/802040/M/25	RA/802040/M/25	40mm diameter, 25mm stroke, ISO15552
	PRA/802040/M/50	RA/802040/M/50	40mm diameter, 50mm stroke, ISO15552
	PRA/802040/M/80	RA/802040/M/80	40mm diameter, 80mm stroke, ISO15552
	PRA/802040/M/100	RA/802040/M/100	40mm diameter, 100mm stroke, ISO15552
	PRA/802040/M/125	RA/802040/M/125	40mm diameter, 125mm stroke, ISO15552
	PRA/802040/M/160	RA/802040/M/160	40mm diameter, 160mm stroke, ISO15552
50MM DIAMETER	PRA/802050/M/25	RA/802050/M/25	50mm diameter, 25mm stroke, ISO15552
	PRA/802050/M/500	RA/802050/M/50	50mm diameter, 500mm stroke, ISO15552
	PRA/802050/MX/60	RA/802050/M/80	50mm diameter, 50mm stroke, ISO15552
	PRA/802050/M/100	RA/802050/M/100	50mm diameter, 100mm stroke, ISO15552
	PRA/802050/M/125	RA/802050/M/125	50mm diameter, 125mm stroke, ISO15552
	PRA/802050/M/160	RA/802050/M/160	50mm diameter, 160mm stroke, ISO15552
63MM DIAMETER	PRA/802063/M/25	RA/802063/M/25	63mm diameter, 25mm stroke, ISO15552
	PRA/802063/M/50	RA/802063/M/50	63mm diameter, 50mm stroke, ISO15552
	PRA/802063/M/80	RA/802063/M/80	63mm diameter, 80mm stroke, ISO15552
	PRA/802063/M/100	RA/802063/M/100	63mm diameter, 100mm stroke, ISO15552
	PRA/802063/M/125	RA/802063/M/125	63mm diameter, 125mm stroke, ISO15552
	PRA/802063/M/160	RA/802063/M/160	63mm diameter, 160mm stroke, ISO15552
80MM DIAMETER	PRA/802080/M/25	RA/802080/M/25	80mm diameter, 25mm stroke, ISO15552
	PRA/802080/M/50	RA/802080/M/50	80mm diameter, 50mm stroke, ISO15552
	PRA/802080/M/80	RA/802080/M/80	80mm diameter, 80mm stroke, ISO15552
	PRA/802080/M/100	RA/802080/M/100	80mm diameter, 100mm stroke, ISO15552
	PRA/802080/M/125	RA/802080/M/125	80mm diameter, 125mm stroke, ISO15552
	PRA/802080/M/160	RA/802080/M/160	80mm diameter, 160mm stroke, ISO15552
100MM DIAMETER	PRA/802100/M/25	RA/802100/M/25	100mm diameter, 25mm stroke, ISO15552
	PRA/802100/M/50	RA/802100/M/50	100mm diameter, 50mm stroke, ISO15552
	PRA/802100/M/80	RA/802100/M/80	100mm diameter, 80mm stroke, ISO15552
	PRA/802100/M/100	RA/802100/M/100	100mm diameter, 100mm stroke, ISO15552
	PRA/802100/M/125	RA/802100/M/125	100mm diameter, 125mm stroke, ISO15552
	PRA/802100/M/160	RA/802100/M/160	100mm diameter, 160mm stroke, ISO15552
PRA/802100/M/200	RA/802100/M/200	100mm diameter, 200mm stroke, ISO15552	

## Fast Track Actuators

### ISO/VDMA Profile and ISO/VDMA Tie-Rod

PRA/802000/M, RA/802000/M, RA/8000/M

- Adaptive Cushioning System (ACS) – no cushioning setting required, cylinder auto-adapts to application. Fit and forget
- Improved performance – operates at low pressures with very low leakage
- Wide range of applications – heavy industrial to clean food and beverage to rail and truck
- Reduced weight – up to 20% lighter than previous models. Lowers overall weight of machine
- Additional switching mounting – for greater flexibility for machine designs



### ISO Roundline

RM/8000/M

- Conforms to ISO6432 – dimensionally interchangeable with competitor equivalents Profile barrel
- Utilises a 'Z' type low friction seal – supports both low and high speed applications with an operating life of up to 10 million cycles
- Fully non-corrodible in standard applications
- Uses the standard IMI Norgren M/50 series switch (reed or solid state)
- Wide range of mountings and accessories available



### ISO Compact

RA/192000/MX

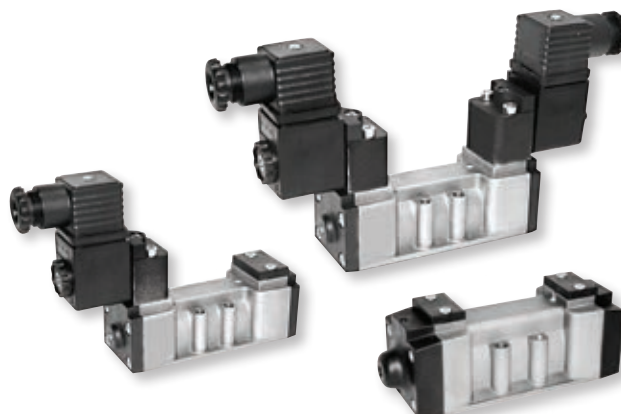
- Conforms to ISO 21287 – dimensionally interchangeable with competitor equivalents
- Perfect for high force/short stroke applications
- Ideal for applications where space is minimal
- Incorporates a flush-mount switch eliminating any chance of external damage
- Accepts standard ISO/VDMA mounting brackets



## ISO Valves

The range of FLEXION™ ISO valves conform to the ISO 5599/1 standard, with sizes 1 and 2, solenoid and air pilot operation versions with 5/2 and 5/3 spools available.

Fitted with CNOMO standard interface for the solenoid versions, this minimises installation space. They deliver high flow rates and are have a pressure rating of 10bar. The 30mm coils are rated at 2.5 watt for the DC option and 2.5VA for the AC voltages, ensuring these maintain suitability for replacing existing valves.

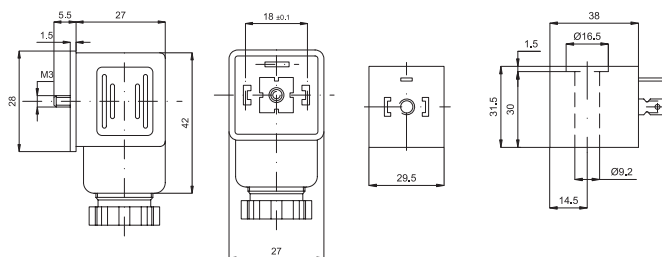


PROFILE	TIE ROD	DESCRIPTION	SIZE	OPERATOR
EPVP-5/2-ISO1-SP	W89A-50541	Pneu Valve 5/2 Single Pilot ISO1	ISO 1	Pilot
EPVP-5/2-ISO1-DP	W89A-50542	Pneu Valve 5/2 Double Pilot ISO1	ISO 1	Pilot / Pilot
EPVP-5/3-ISO1-CC	W89A-50543	Pneu Valve 5/3 Pilot Centre Closed ISO1	ISO 1	Pilot / Pilot
EPVP-5/3-ISO1-CE	W89A-50544	Pneu Valve 5/3 Pilot Centre Exh ISO1	ISO 1	Pilot / Pilot
EPVP-5/3-ISO1-CP	W89A-50549	Pneu Valve 5/3 Pilot Centre Press ISO1	ISO 1	Pilot / Pilot
EPVS-5/2-ISO1-SS	W89A-50550	Pneu Valve 5/2 Single Sol ISO1	ISO 1	Solenoid
EPVS-5/2-ISO1-DS	W89A-50551	Pneu Valve 5/2 Double Sol ISO1	ISO 1	Solenoid / Solenoid
EPVS-5/3-ISO1-CC	W89A-50552	Pneu Valve 5/3 Sol Centre Closed ISO1	ISO 1	Solenoid / Solenoid
EPVS-5/3-ISO1-CE	W89A-50553	Pneu Valve 5/3 Sol Centre Exh ISO1	ISO 1	Solenoid / Solenoid
EPVS-5/3-ISO1-CP	W89A-50556	Pneu Valve 5/3 Sol Centre Press ISO1	ISO 1	Solenoid / Solenoid
EPVP-5/2-ISO2-SP	W89A-50545	Pneu Valve 5/2 Single Pilot ISO2	ISO 2	Pilot
EPVP-5/2-ISO2-DP	W89A-50546	Pneu Valve 5/2 Double Pilot ISO2	ISO 2	Pilot / Pilot
EPVP-5/3-ISO2-CC	W89A-50547	Pneu Valve 5/3 Pilot Centre Closed ISO2	ISO 2	Pilot / Pilot
EPVP-5/3-ISO2-CE	W89A-50548	Pneu Valve 5/3 Pilot Centre Exh ISO2	ISO 2	Pilot / Pilot
EPVS-5/2-ISO2-SS	W89A-50555	Pneu Valve 5/2 Single Sol ISO2	ISO 2	Solenoid
EPVP-5/3-ISO2-CP	W89A-50554	Pneu Valve 5/3 Pilot Centre Press ISO2	ISO 2	Solenoid / Solenoid
EPVS-5/2-ISO2-DS	W89A-50557	Pneu Valve 5/2 Double Sol ISO2	ISO 2	Solenoid / Solenoid
EPVS-5/3-ISO2-CC	W89A-50558	Pneu Valve 5/3 Sol Centre Closed ISO2	ISO 2	Solenoid / Solenoid
EPVS-5/3-ISO2-CE	W89A-50559	Pneu Valve 5/3 Sol Centre Exh ISO2	ISO 2	Solenoid / Solenoid
EPVS-5/3-ISO2-CP	W89A-50560	Pneu Valve 5/3 Sol Centre Press ISO2	ISO 2	Solenoid / Solenoid

## Manifolds

PRODUCT	PART NO	DESCRIPTION	SIZE
EPV-SBAIS	W89A-50575	Pneu Valve Single sub-base ISO1	ISO 1
EPV-SBAIC	W89A-50568	Pneu Valve Blank Manfld end plate ISO1	ISO 1
EPV-SBAIT	W89A-50573	Pneu Valve Manfld blanking plate ISO1	ISO 1
EPV-SBA2T	W89A-50574	Pneu Valve Manfld blanking plate ISO2	ISO 1
EPV-SBAIM	W89A-50566	Pneu Valve Manfld sub-base ISO1	ISO 1
EPV-SBAIA	W89A-50569	Pneu Valve Ported Manfld end plate ISO1	ISO 1
EPV-SBA2S	W89A-50576	Pneu Valve Single sub-base ISO2	ISO 2
EPV-SBA2C	W89A-50570	Pneu Valve Blank Manfld end plate ISO2	ISO 2
EPV-SBAIA2	W89A-50572	Pneu Valve l/face sub-base ISO1 to ISO2	ISO 2
EPV-SBA2M	W89A-50567	Pneu Valve Manfld sub-base ISO2	ISO 2
EPV-SBA2A	W89A-50571	Pneu Valve Ported Manfld end plate ISO2	ISO 2

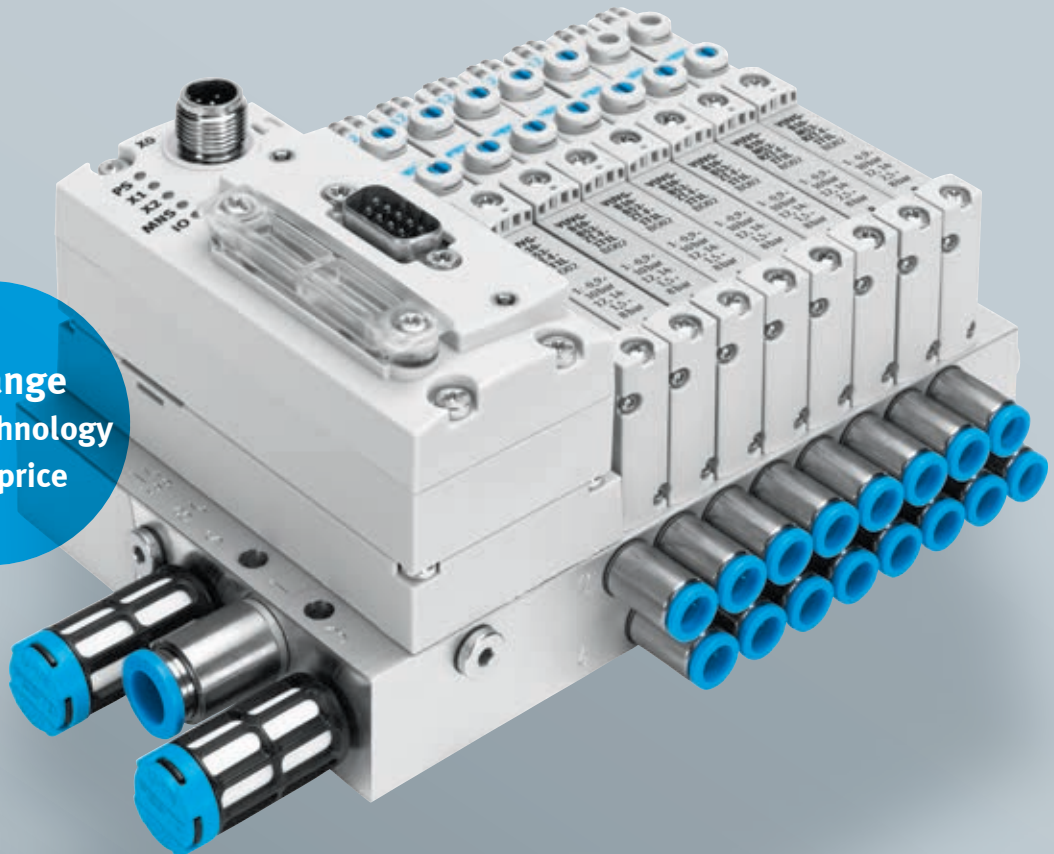
PRODUCT	PART NO	DESCRIPTION	SIZE
EPV-C-30MM-24VDC	W89A-50561	Pneu Valve 24VDC Coil 30mm ISO	24vdc
EPV-C-30MM-24VAC	W89A-50562	Pneu Valve 24VAC Coil 30mm ISO	24vac
EPV-C-30MM-110VAC	W89A-50563	Pneu Valve 110VAC Coil 30mm ISO	110vac
EPV-C-30MM-230VAC	W89A-50564	Pneu Valve 230VAC Coil 30mm ISO	230vac



PRODUCT	PART NO	DESCRIPTION	SIZE
EPV-CSTD-30MM	W89A-50565	30mm Din Conn, standard	12vdc - 240vac
EPV-CNL24V-30MM	W89A-50577	30mm Din Conn With LED+VDR, 24 V	24vdc
EPV-CNL110V-30MM	W89A-50578	30mm Din Conn With LED+VDR, 115 V	110-120vac
EPV-CNL230V-30MM	W89A-50579	30mm Din Conn With LED+VDR, 230 V	220-240vac

**FESTO**

**VG range**  
Great technology  
Great price



You need versatile electrics and pneumatics?  
You prefer small sizes with high flow rates?  
We make your valve solutions simple.

**→ WE ARE THE ENGINEERS  
OF PRODUCTIVITY.**

**The VG range – truly multitalented!**

Small, compact, high flow rates and expandable – from individual valves to fieldbus-compatible valve terminals or IO-Link. With nearly unlimited pneumatic and electrical options and stunningly simple fieldbus connection or changeover.

[www.festo.com](http://www.festo.com)



# Valves and Terminals

# FESTO

## VUVS-S - Rugged individual valve

Robust, reliable valves for individual or manifold mounting – standard applications.

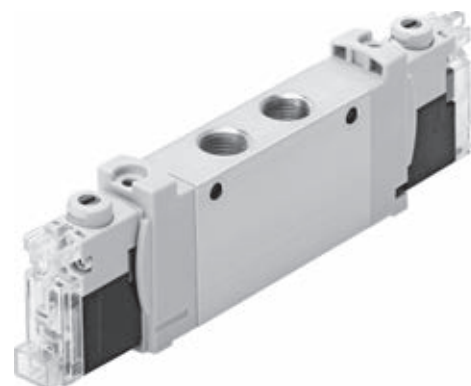
- Simple, reliable, cost effective
- In-line valves can also be manifold mounted for flexibility
- Safe, reliable operation > 10m cycles
- Supplied complete with integrated 24V DC coils in one part number
- Versatile mounting accessories for increased mounting options



## VUVG-S - Compact single valve

High flow, compact, inexpensive and flexible; the standard for small footprint machinery.

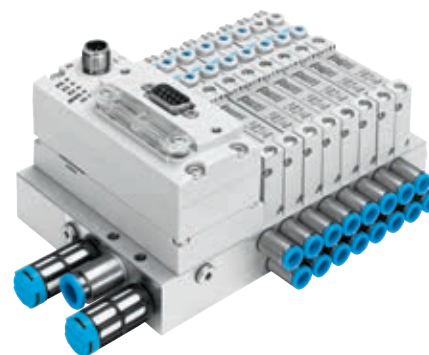
- Supplied complete with 24V DC coils
- M8 or horizontal plug connection for ease of cabling
- Stand-alone In-line or sub-base version for flexible mounting options
- 360° view LED – fast fault finding
- Low wattage [0.7W] coil reduces energy
- Spark arresting and reverse polarity coil protection circuit



## VTUG - Valve terminal

Minimum effort required to mount and install.

- Excellent price/performance ratio
- Up to 24 valve positions reduces wiring and connections around the machine
- Wide choice of I-Port, IO-Link, AP, and fieldbus communication options
- Manifold porting options and variant for control cabinet installation offer maximum flexibility



## Air Preparation

The FLEXION™ range of FRL equipment has been selected to give the optimum price versus performance ratio.

With the bodies manufactured from technopolymers, these units are extremely light, but still offer rugged, robust performance.

As standard, all the bowls have an outer protection, and the bowls themselves are manufactured from polyamide, giving significantly better resistance to crazing than the more commonly used polycarbonate type. The FLEXION™ ranges also have the automatic filling lubricator option, refilling the lubricator quickly and easily "on-line" saving time and money.



### Regulator

1/2" range



CODE	BAR	DESCRIPTION
EPA-R-1/2M-08-FX	8 Bar	Modular

### Filter

1/2" range



CODE	BAR	DESCRIPTION
EPA-F-1/2M-M-FX	20µ Drain	Modular, Manual Drain
EPA-F-1/2M-A-FX	20µ Drain	Modular, Auto Drain

### Microfilter

1/2" range



CODE	FILTRATION MICRONS	DESCRIPTION
EPA-MF-1/2M-A-FX	0.01µ	Modular, Auto Drain
EPA-MF-1/2M-M-FX	0.01µ	Modular, Manual Drain

### Lubricator

1/2" range



CODE	DESCRIPTION
EPA-L-1/2M-M-FX	Modular, Standard Fill
EPA-L-1/2M-A-FX	Modular, Automatic Fill

### Filter Regulator

1/2" range



CODE	BAR	FILTRATION MICRONS	DESCRIPTION
EPA-FR-1/2M-M-FX	8 Bar	20µ	Modular, Manual Drain
EPA-FR-1/2M-A-FX	8 Bar	20µ	Modular, Auto Drain

### Filter Regulator/Lubricator

1/2" range

CODE	BAR	FILTRATION MICRONS	DESCRIPTION
EPA-FRL-1/2M-M-FX	8 Bar	20µ	Modular, Manual Drain
EPA-FRL-1/2M-A-FX	8 Bar	20µ	Modular, Auto Drain



## Neck Mounting Ring

1/2" range



CODE	DESCRIPTION
EPA-MTGRING-1/2-RX	Neck Mounting Ring

## Filter / Regulator / Lubricator with Shut Off Valve

1/2" range

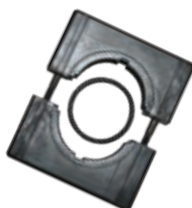


CODE	BAR	FILTRATION MICRONS	DESCRIPTION
EPA-FRL-1/2M-M-FX	8 Bar	20µ	Modular, Manual Drain
EPA-FRL-1/2M-M-FX	8 Bar	20µ	Modular, Auto Drain

For suitable silencer for shut off valve use SLNCR-B-STD-1/4-FX

## Modular Assembly Unit

1/2" range



CODE	DESCRIPTION
EPA-CK-1/2M-FX	Modular Assembly Unit

## Manual Shut Off Valve

1/2" range



CODE	BAR	DESCRIPTION
EPA-SV-1/2M-FX	12.5 (inlet)	Lockable, Modular

For suitable silencer use SLNCR-B-STD-1/4-FX

## Electrical Shut Off Valve

1/2" range



CODE	DESCRIPTION
EPA-SVE-1/2M-FX	Modular,
EPA-SVE-SOL-24VDC-FX	Solenoid Operator, 24V DC
EPA-SVE-SOL-110VAC-FX	Solenoid Operator, 110V AC
EPA-SVE-SOL-230VAC-FX	Solenoid Operator, 230V AC

For suitable silencer use SLNCR-B-STD-1/4-FX

## Intermediate Take-Off Block

1/2" range



CODE	DESCRIPTION
EPA-TO-1/2M-FX	Intermediate Take Off Block

## Soft Start

1/2" range



CODE	DESCRIPTION
EPA-SS-1/2M	Soft Start

**FESTO**



**Perfect  
compressed air  
preparation**

**You need perfect compressed air?  
You want maximum reliability?  
We are your compressed air experts.**

**→ WE ARE THE ENGINEERS  
OF PRODUCTIVITY.**

**A large product range, highly functional components and a great variety of services:**

The MS series from Festo offers an all-embracing concept for compressed air preparation. For standard as well as application-specific solutions which demand the highest levels of quality. Also with safety functions and for energy-efficient solutions.

[www.festo.com](http://www.festo.com)

# Air Preparation

# FESTO

## MS Series - Air preparation modules

High flow, lightweight, reliable operation and a wide range of standard configurations.

- High flow rates in a compact footprint
- Standard configurations
- Diverse range of accessories for cost and space savings
- Integrated sensors and safety functions to meet all application requirements
- Multiple filtration options to meet ISO air quality standards
- Air drying options for maximum machine performance



## MS Series - Integrated safety and sensors

Intelligent safety for people and machines.

- MS series service unit with integrated sensors and safety functions
- Fully comprehensive diagnostics including air consumption and differential pressure
- Full visibility of machine performance for preventative maintenance planning
- Integrated safety features meet up to safety performance Level e in line with DIN EN ISO 13849-1
- Intelligent functionality for energy efficient performance



## MSE6-E2M - Energy efficiency module

Innovative service module rigorously monitors and regulates the compressed air supply in new and existing systems.

- Air consumption is automatically reduced based on machine cycle time and performance
- Full visibility of pressure and flow changes for leak detection and preventative maintenance
- Intelligent system notifications ensure quick detection of changes to machine performance ensuring maximum efficiency
- Comprehensive diagnostics to PLC or remote dashboard for effective data monitoring



# Kenos<sup>®</sup> KVG60C

Online **configurable gripper solution** to fit the demand for loading and unloading boxes with multiple items



Vacuum gripper Kenos<sup>®</sup> KVG60C (C - Suction cups) is available to configure online for an instant solution to pick and place (loading/unloading) multiple items in boxes. Picked items shall be placed with a defined distance between each other.

The Kenos<sup>®</sup> KVG60C gripper comes with high performance and energy efficient COAX<sup>®</sup> vacuum generators and a selection of over 1,000 different suction cups from PIAB's broad range in order to safely pick almost any object.

In the configurator tool you can also select a flow-control valve as an option which allows for the picking of a different number of items/objects per cycle.

Machine builders or integrators can instantly have access to download 3D CAD files, technical data and pricing. The high quality 3D CAD files allows for simulations (digital twins) at an early design stage.



Smart solutions for the automated world™ 

# Vacuum Automation & Handling Solutions



## Vacuum Suction Cups



Piab supply a diverse line of Suction Cups that can handle objects of virtually any weight, shape or surface. Diameters available from 2-300mm.

## Pneumatic Vacuum Pumps



Piab vacuum pumps are predominately based on the patented COAX® technology - an advanced solution for creating vacuum with compressed air. Providing you with three times more vacuum flow than conventional systems, they increase speed and reduce energy usage.

## Cobot Grippers



Characterised by their flexibility to handle a great variety of objects. Available with foam technology and flow control restrictors or as a bag handling gripper. Different cobot interface options in accordance with ISO 9409-1 makes installation easy.

## Customizable 3D Printed Bag Grippers



Piab's new Customizable Bag Gripper (CBG) design tool is a unique software program that allows customers to design/configure world-class and lightweight vacuum grippers for perfect handling of bags and pouches weighing up to 4.4 lb.

## End of Arm Tooling (EOAT)



EOAT and gripper systems are used to design robotic end-effector tools, ergonomic tools or fixture tools for use on all types of automation equipment. To maximise the flexibility, components are modular and adjustable and can be combined into a specific tool from the components.

## Large Area Vacuum Grippers



Designed and optimised to be used in applications such as packaging, wood and food. The product group represents a flexible solution for the handling manipulation of products with different shapes, dimensions and compactness.

## Ergonomic Lifters



Ergonomic lifters are available to meet the demands of a variety of applications. Proven to reduce strain injuries, being user friendly as well as keeping top quality promises, it will increase productivity of the application.

## Vacuum Conveyors



Piab's vacuum conveying systems are built of high quality material. When producing food, pharmaceuticals and chemical. Piab conveyors are ATEX Dust certified. All conveyors are available with either an ejector driven vacuum pump or with a mechanical pump.

### Rotating Safety Shut-off Valve

- Quarter turn easy to operate full flow device
- Easy to isolate system with no reduction in performance

### Port sizes

- 1/4", 3/8", 1/2" or 3/4"

### Tamper proof options built in

- Padlock features on both shut-off valves and regulator
- Guarantees safe isolation of machines

### No compromise on Robustness

- Metal construction - where it matters most
- Quality synonymous with IMI Norgren brand

### Double safety lock on bowl

- Bowl clip that clicks, plus safety detent when pressurised
- Impossible to remove the bowl when in use

### Flush mounted integrated gauge

- Easy to read
- Less vulnerable to damage
- Dual scale

### Class 8 water extraction according to ISO 8573-1

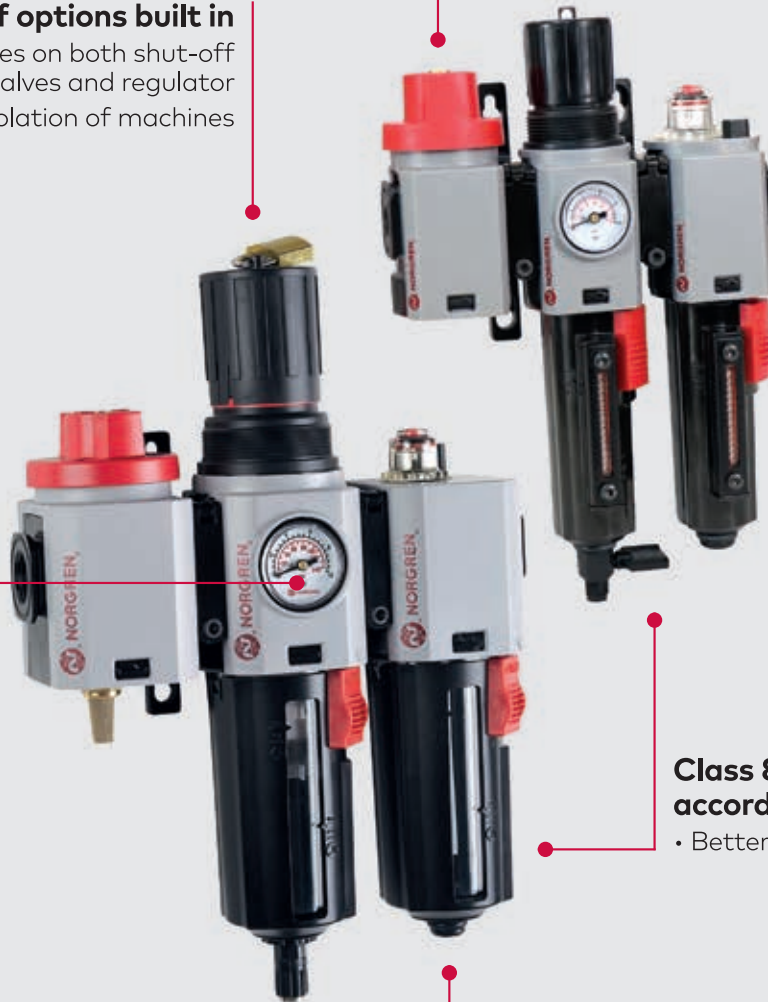
- Better than 95% @ 100% flow

### Easy filter maintenance system

- Element is removed together with the bowl for faster and cleaner servicing
  - Best in the market with only 25mm bowl clearance required<sup>1</sup>

### Compact size and optimised weight

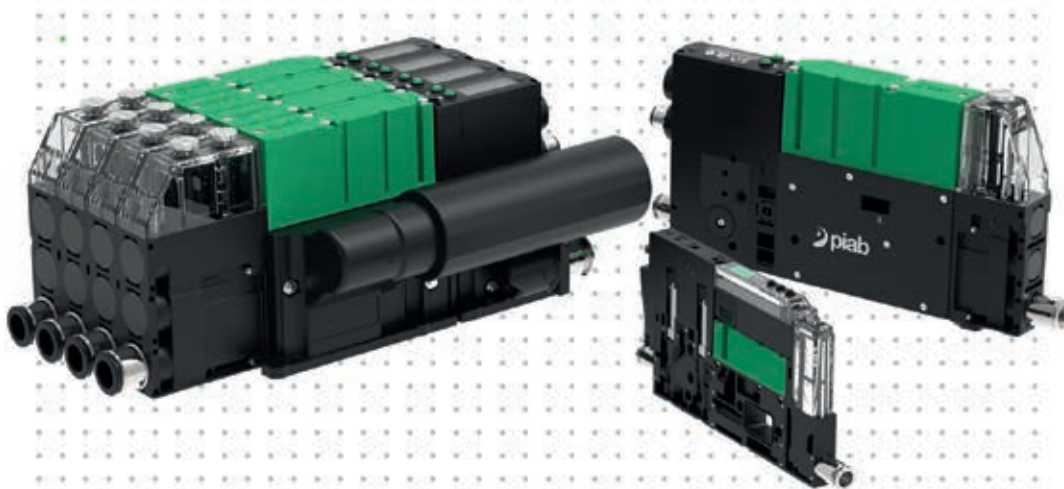
- Maximises machine real estate
- Smaller and lighter than its predecessor



<sup>1</sup>The nearest market equivalent is 40mm



# Innovative vacuum generators with fully integrated controls for smart **Industry 4.0** manufacturing



## Why piCOMPACT® smart is the best choice for you

With impressive performance, lightweight design and ultimate flexibility, due to the endless technical features, the piCOMPACT®10 & 23 smart vacuum pumps also offer:

- Minimal energy consumption (30–50% in comparison with other brands)
- Faster response and therefore improved cycle times.
- High reliability, dust-proof design ensuring trouble-free production

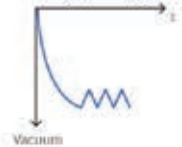
### Generic communication link – new era of smart factories

The piCOMPACT®23 SMART is available with IO-Link, which fits any type of fieldbus. IO-Link is the first worldwide standard (IEC 61131-9) for IO technology used for sensor and actuator communication. The powerful point-to-point communication is based on 3-wire connection. Offering fieldbus-independence, IO-Link is really a further development of the existing, tried- and tested connection technology for sensors and actuators.

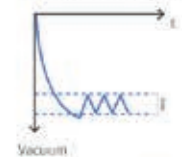


#### Technical features

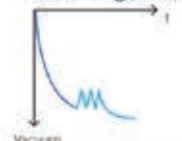
##### Energy saving (ES)



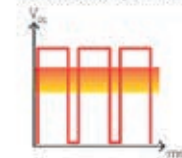
##### Automatic Level Determination (ALD)



##### Automatic Condition Monitoring (ACM)



##### Adaptive Pulse Width Modulation (A-PWM)



##### Blow Off Options

Automatic Timer (ATBO)  
Intelligent (IBO) & Amplified (ABO)



##### Self Adhesion Control (SAC)



##### Separate Power Domains



Smart solutions for the automated world™



## Push-in Fittings

**Flexion™**

FLEXION™ stainless steel fittings are manufactured to the highest quality standards to ensure they provide you with increased performance and extended reliability when used in aggressive environments or when in contact with corrosive fluids.

Typical industry applications include: chemical, food, printing, marine and pharmaceutical industries.

- Simple and quick to install
- Flexible space-saving design
- Wide range to suit all applications
- Compatible with all other leading systems
- Tubing can be freely rotated, even after installation
- All taper threads are pre-coated with PTFE



### Technical Data

Tube sizes	4 - 12mm
Threads	1/8" - 1/2", BSPT
Max Pressure	15 bar
Vacuum	Up to 750mm Hg
Temp Range	-20°C to +150°C

### Materials:

Body:	Stainless Steel AISI 316
Seal:	Viton (FPM)
Grab Ring:	Stainless Steel Release
Release Collet:	Stainless Steel AISI 316

### Male Stud Parallel



CODE	TUBE OD	THREAD SIZE
SSPC4-M5-FX	4	M5
SSPC4-G01-FX	4	G1/8
SSPC6-G01-FX	6	G1/8
SSPC6-G02-FX	6	G1/4
SSPC8-G01-FX	8	G1/8
SSPC8-G02-FX	8	G1/4
SSPC10-G02-FX	10	G1/4
SSPC10-G03-FX	10	G3/8

### Male Stud Taper



CODE	TUBE OD	THREAD SIZE
SSPC4-01-FX	4	R1/8
SSPC4-02-FX	4	R1/4
SSPC6-01-FX	6	R1/8
SSPC6-02-FX	6	R1/4
SSPC8-01-FX	8	R1/8
SSPC8-02-FX	8	R1/4
SSPC10-02-FX	10	R1/4
SSPC10-03-FX	10	R3/8
SSPC12-03-FX	12	R3/8
SSPC12-04-FX	12	R1/2



**Male Swivel Elbow Parallel**

CODE	TUBE OD	THREAD SIZE
SSPL4-M5-FX	4	M5
SSPL4-G01-FX	4	G1/8
SSPL6-G01-FX	6	G1/8
SSPL6-G02-FX	6	G1/4
SSPL8-G01-FX	8	G1/8
SSPL8-G02-FX	8	G1/4
SSPL10-G02-FX	10	G1/4
SSPL10-G03-FX	10	G3/8

**Male Elbow Parallel**

CODE	TUBE OD	THREAD SIZE
SSPLN4-G01-FX	4	G1/8
SSPLN6-G01-FX	6	G1/8
SSPLN6-G02-FX	6	G1/4
SSPLN8-G01-FX	8	G1/8
SSPLN8-G02-FX	8	G1/4
SSPLN10-G02-FX	10	G1/4

**Male Swivel Elbow Taper**

CODE	TUBE OD	THREAD SIZE
SSPL4-01-FX	4	R1/8
SSPL6-01-FX	6	R1/8
SSPL6-02-FX	6	R1/4
SSPL8-01-FX	8	R1/8
SSPL8-02-FX	8	R1/4
SSPL10-02-FX	10	R1/4
SSPL10-03-FX	10	R3/8
SSPL12-03-FX	12	R3/8
SSPL12-04-FX	12	R1/2
SSPC12-04-FX	12	R1/2

**Male Tee Parallel**

CODE	TUBE OD	THREAD SIZE
SSPB4-G01-FX	4	G1/8
SSPB6-G01-FX	6	G1/8
SSPB6-G02-FX	6	G1/4
SSPB8-G01-FX	8	G1/8
SSPB8-G02-FX	8	G1/4

**Male Tee Taper**

CODE	TUBE OD	THREAD SIZE
SSPB4-01-FX	4	R1/8
SSPB6-01-FX	6	R1/8
SSPB6-02-FX	6	R1/4
SSPB8-01-FX	8	R1/8
SSPB8-02-FX	8	R1/4
SSPB10-02-FX	10	R1/4
SSPB10-03-FX	10	R3/8

**Straight Union**

CODE	TUBE OD
SSPU4-FX	4
SSPU6-FX	6
SSPU8-FX	8
SSPU10-FX	10
SSPU12-FX	12

**Elbow Union**

CODE	TUBE OD
SSPV4-FX	4
SSPV6-FX	6
SSPV8-FX	8
SSPV10-FX	10
SSPV12-FX	12

**Tee**

CODE	TUBE SIZE
SSPE4-FX	4
SSPE6-FX	6
SSPE8-FX	8
SSPE10-FX	10
SSPE12-FX	12

**Bulkhead**

CODE	TUBE SIZE
SSPM4-FX	4
SSPM6-FX	6
SSPM8-FX	8
SSPM10-FX	10
SSPM12-FX	12

**Stem Reducer**

CODE	TUBE OD	THREAD SIZE
SSPGJ6-4-FX	4	6
SSPGJ8-6-FX	6	8
SSPGJ10-8-FX	8	10

**Flow Regulator**

CODE	TUBE OD	THREAD SIZE
SSL4-G01-FX	4	G1/8
SSL6-G01-FX	6	G1/8
SSL6-G02-FX	6	G1/4
SSL8-G01-FX	8	G1/8
SSL8-G02-FX	8	G1/4
SSL10-G02-FX	10	G1/4
SSL10-G03-FX	10	G3/8
SSL4-G01B-FX	4	G1/8

CODE	TUBE OD	THREAD SIZE
SSL6-G01B-FX	6	G1/8
SSL6-G02B-FX	6	G1/4
SSL8-G01B-FX	8	G1/8
SSL8-G02B-FX	8	G1/4
SSL10-G02B-FX	10	G1/4
SSL10-G03B-FX	10	G3/8



Standard  
Flexible  
Tubing

You demand clean and trouble free air?  
You want maximum reliability?  
We are the tubing experts.

→ **WE ARE THE ENGINEERS  
OF PRODUCTIVITY.**

**Standard hydrolysis resistant tubing PUN-H**

Robust and reliable FDA approved standard tubing. Ideally suited for applications exposed to wet environment areas or even outside thanks to its UV resistant properties. Combined with its high kink resistance makes it the ideal choice when selecting tubing for uninterrupted and reliable air supply.

# Tubings and Fittings

# FESTO

## Standard tubing PUN-H and fittings QS

Easy-to-use flexible tubing and fittings for all standard applications.

- **PUN-H Tubing**
  - Ether base ensures hydrolysis resistance
  - FDA listed material for food grade environments
  - Kink-resistant, flexible – tighter radii, easier to run around machines, inside cabinets and in energy chains
  - Transparent options – view liquids / contamination
- **QS Fittings**
  - Quick push in fittings for easy assembly and dismantle of tubing
  - Wide range of standard fitting options to meet all your requirements



## Standard tubing NPQH and NPQH fittings

Easy-to-use and ideally suited for the food and beverage industry applications.

- **PUN-H Tubing**
  - FDA listed material for food grade environments
  - Ether base ensures hydrolysis resistance
  - Kink-resistant, flexible – tighter radii, easier to run around machines, inside cabinets and in energy chains
  - Wide colour choice e.g. identify vacuum
  - Transparent options – view liquids / contamination
- **NPQH Fittings**
  - Quick push in fittings for easy assembly and disassembly of tubing
  - Solid metal push-in fitting made of chemically nickel-plated brass
  - High corrosion resistance CRC 3 and chemical resistance
  - For pneumatic applications with a temperature range up to 150 °C and a pressure range up to 20 bar



## PTFEN Tubing & Stainless steel fittings NPQR

Robust and hygienic design tubing and fittings for the food and beverage industry.

- **PTFEN - tubing**
  - Maximum protection for chemicals CRC 4
  - FDA Compliant and resistant to cleaning chemicals
- **NPQR – fittings**
  - Optimised design for prevention of dirt traps
  - High operating temperatures up to 150 °C
  - Pressure range up to 16 bar
  - Highest level of corrosion resistance [CRC 4]



The Festo logo is displayed in a bold, blue, sans-serif font in the upper right corner of the page.A detailed view of a Festo process valve and actuator unit. The unit is primarily silver with black and yellow components. A yellow knob on top is labeled 'Open'. The unit has various ports and a large circular flange at the bottom. A blue circular callout bubble is positioned to the left of the unit.

Ready to  
install!

**You rely on automated process valves?  
You want ready-to-install solutions from a single source?  
We are your partner for process automation.**

**→ WE ARE THE ENGINEERS  
OF PRODUCTIVITY.**

Secure your productivity advantage with our process valve and actuator units. Ready to install, with all components from a single source – and specially tailored to your requirements. That is why our solutions always fit perfectly to the process valves of your choice, in the chemical and pharmaceutical industries, in water technology, as well as in many other process industry segments.

Get in touch with us – and take advantage of our solutions! → [www.festo.com/process](http://www.festo.com/process)

# Process Automation

# FESTO

## DFPD - Quarter turn actuator

Price and performance benchmark for pneumatic ball and butterfly valve actuators.

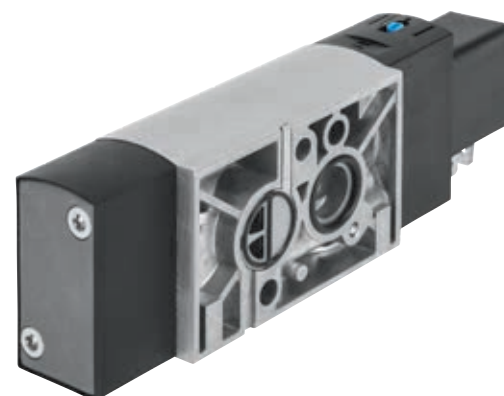
- Compact dimension design through the use of multiple small spring cartridges
- End of stroke adjustment from either side for easier on-site access
- 0.5 Bar spring cartridges enable return forces to be optimised
- Temperature and coating options to suit environmental conditions
- Online configurator for actuator and complete ball and butterfly process valve assemblies



## VSNC - NAMUR solenoid valve

Process industry pilot solenoid valve, standard mounting interfaces, outstanding features and options.

- Mounting interface in accordance with Namur VDI/VDE 3845+
- Non-Namur interface via accessories
- Mechanical springs (single-solenoid valves) ensure safe switching to the initial position in the event of a power failure
- Double solenoid version available.
- Conversion from 3/2 to 5/2 control simply by turning the seal
- Atex variants available



## VZBD - Stainless steel ball valve

The ideal partner for pharmaceutical and cosmetic industry applications.

- Seal with minimal dead space
- Electropolished surfaces
- FDA-compliant seal to FDA 21 CFR 177.1550
- 3-piece, 2-way valve
- Long welded ends to ASME-BPE, ISO 1127
- Clamp ferrule to ASME-BPE, DIN 32676-B
- 3 A sanitary





**FESTO**

**Ready to  
install!**

**You rely on automated process valves?  
You want ready-to-install solutions from a single source?  
We are your partner for process automation.**

**→ WE ARE THE ENGINEERS  
OF PRODUCTIVITY.**

Secure your productivity advantage with our process valve and actuator units. Ready to install, with all components from a single source – and specially tailored to your requirements. That is why our solutions always fit perfectly to the process valves of your choice, in the chemical and pharmaceutical industries, in water technology, as well as in many other process industry segments.

Get in touch with us – and take advantage of our solutions! → [www.festo.com/process](http://www.festo.com/process)



## Sensor Boxes, Actuators and Valves

# FESTO



### SRBC - Robust sensor box

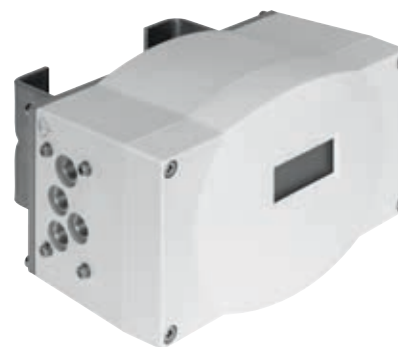
Robust, reliable and safe switch box with Ex-protection and IP67 for added durability.

- Robust weather-tight aluminium IP67 housing ideally suited for outdoor applications
- Mechanical, inductive or magnetic switch variants
- Two cable inputs for common power supply to the sensor box and solenoid valve

### CMSX - Positioner for linear and quarter turn actuators

CMSX for single and double-acting linear and quarter turn actuators is as economical as it is reliable and a top performer in its class for non-explosive areas.

- High flow rate option for large cylinders
- Reliable position control
- Positioner automatically goes into standby when compressed air consumption of the valve actuator is zero helping save energy
- Analogue feedback as standard
- Safety positions for opening, closing and holding in the event of a breakdown
- Set-point value configurable to 0-10V, 0-20mA or 4-20mA



### VZAV - Butterfly valve

Ideally suited for liquids, gases and solids in applications that are corrosive, abrasive, water based or require food-grade materials. Can be Normally closed (NC) or Normally open (NO).

- Suitable for most shut-off applications
- Large variety of materials and coatings for disc and liner
- Highly resistant to corrosion due to excellent body coating
- One-piece shaft ( $\leq$ DN400): corrosion-proof because there is no pinned shaft-disc connection
- Reliable blowout protection
- Ultralene Coating™ for outstanding resistance to wear, shock resistance, high chemical resistance and non-stick properties
- Replaceable liner for long life



**FOR FULL VALVE RANGE SEE PAGE 217**



**FESTO**

**Flexible  
applications!**

**You are looking for performance and reliability?  
You require flexibility in designing your application?  
We provide you with a modular angle seat valve.**

**→ WE ARE THE ENGINEERS  
OF PRODUCTIVITY.**

**Robust and high-performance – the angle seat valve VZXA in stainless steel.**

Thanks to the patented interface, different actuators and valve bodies can be freely combined for easy integration into the application. The flow-optimised process valve in DN13 (½") ... DN65 (2 ½") offers maximum flexibility in designing your application. It is available with threaded, clamp and welded connection and with a piston or diaphragm actuator module (single or double-acting).

[www.festo.com/vzxa](http://www.festo.com/vzxa)

# Angle Seat Valves and Pinch Valves

# FESTO



## VZXA - Angle seat valve

Robust, high flow media valve for liquids, gases, contaminated and aggressive flows.

- Unique interface between actuator and valve body and patented cartridge mean seals can be replaced quickly without special tools or de-pressurising media
- Visual indicator clearly shows from a distance the valve position
- Modular, compatible family: indicator, diaphragm and valve bodies and added flexibility

## VZQA - Standard pinch valve

Robust and hygienically designed pinch valve for granulate, liquids containing solid particles or highly viscous and abrasive media.

- Compact Normally closed/Normally Open versions
- Individual components modularly configurable
- Quick to install
- Easy to maintain and clean internally and externally
- Low weight aluminium version available



## VZQA - Stainless steel pinch valve

Robust and hygienically designed stainless steel pinch valve for granulate, liquids containing solid particles or highly viscous and abrasive media.

- Increased chemical and temperature durability through stainless steel design
- FDA approved sealing material available
- Compact Normally closed/Normally Open versions
- Individual components modularly configurable.
- Quick to install
- Easy to maintain and clean internally and externally



# Guaranteed peace of mind

**High quality components** with long life cycle performance  
**manufactured and assembled in the UK.**



**SMC**, the global leaders in pneumatic technology and experts in automation **has continued to invest in its manufacturing capabilities at its Milton Keynes based UK subsidiary.** This coupled with the addition of increased stockholding ensures that customers can have both **standard and special products, including assembled components, with guaranteed fast delivery options.**

**Great products, excellent prices, no delays – guaranteed peace of mind!**



[www.smc.uk](http://www.smc.uk)

# SMC Compact Chillers

## Series HRS Thermo-Chiller Range

Compact circulating fluid temperature controllers delivers precise temperature stability.

Do you have a machine or device that generates heat?

If you're in the machine tool, life science or printing industries, or use injection moulding or lasers in your applications, you will be aware of the benefits of maintaining strict temperature control. Our compact HRS chillers will monitor and control the temperature of your device therefore ensuring the quality, reliability, and service life of your equipment.

So, if you're looking for increased productivity with reduced rejection rates then look no further than our HRS re-circulating thermo chillers - designed for years of trouble-free service.

- Temperature stability:  $\pm 0.1^{\circ}\text{C}$
- Temperature range setting: 5 to  $40^{\circ}\text{C}$
- Lightweight 43 to 73 kg
- Easy maintenance: tool-less maintenance of filter
- Self diagnosis function and check display
- Convenient functions:
  - Timer operation function
  - Low tank level detecting function
  - Power failure and anti-freeze protection
- Communication function: RS232C, RS485 and contact I/Os as standard



PART NUMBER	COOLING METHOD	COOLING/HEATING CAPACITY (50 HZ)	PIPE THREAD TYPE	POWER SUPPLY
HRS012-AF-20	Air-cooled refrigeration	1100 W/530 W	G (with PT-G conversion fitting set)	Single-phase 200 to 230 VAC (50/60 Hz)
HRS018-AF-20		1700 W/530 W		
HRS024-AF-20		2100 W/530 W		
HRS030-AF-20		2600 W/600 W		
HRS050-AF-20		4700 W/1100 W		
HRS060-AF-20		4900 W/1000 W		
HRS012-WF-20	Water-cooled refrigeration	1100 W/530 W	G (with PT-G conversion fitting set)	
HRS018-WF-20		1700 W/530 W		
HRS024-WF-20		2100 W/530 W		
HRS030-WF-20		2600 W/400 W		
HRS050-WF-20		4700 W/1000 W		
HRS060-WF-20		4900 W/1000 W		

### Application Examples



## Gates Lifeguard Sleeve

BS EN ISO 4413-2010 demands that new or replacement hoses are assembled and fitted to hydraulic machinery taking into account:

- Safe fitting onto the machine
- Reduce constraint

To reduce constraints, the installer must Consider the risks associated with product failure such as whiplash or fluid ejection hazards.

### In line with Industry Standards

LifeGuard sleeving correlates to a variety of industry standards, including ISO 3457 and MSHA's fire-resistance requirements.

Exceeds the intent of ISO 3457 that requires operator protection within a 1 metre line-of-sight of any hose conveying fluid above 50 bar at +49°C.

Beyond peak performance, Gates hydraulic systems offer you safety. The LifeGuard™ Line-of-Sight Sleeving System is the first true protection in line-of-sight hydraulic applications.

It contains bursts up to 8,000 psi and pinhole leaks up to 4,000 psi at 120°C for up to five minutes. After redirecting the explosive force down the length of the hose, the LifeGuard sleeve disperses the energy and fluids at the hose ends via carefully designed 'channel' clamps. The leaked fluid then allows for fast hose failure detection.

Equipment operators working within a 1 metre line-of-sight of a hydraulic system know the potential for problems.

- Personal injury
- Fluid burns and injection
- Fires and explosions
- Electrical shock
- Mechanical failure

The double-layer sleeve effectively shields you against these hazards.

No other flexible connection safeguards your operators, equipment and environment like LifeGuard sleeving.

- Handles all hydraulic fluids and biodiesel fuel
- Allows fluid to safely escape down the length of the assembly
- Creates noticeable spill for hose failure detection
- Correlates to ISO 3457 and meets MSHA's flame-resistance requirements



There's  
A Better  
Way  
To Protect  
Against  
Hydraulic  
Hose  
Failure



### LifeGuard Sleeving 4000

PART NO	TO SUIT HOSE BORE	PACK SIZE
14LG4KxCT37	1/4"	37 mtrs
16LG4KxCT37	3/8"	37 mtrs
20LG4KxCT37	1/2"	37 mtrs
22LG4KxCT37	5/8"	37 mtrs
26LG4KxCT37	3/4"	37 mtrs
32LG4KxCT37	1"	37 mtrs

### Collars for the LifeGuard Sleeving 4000

PART NO	TO SUIT HOSE BORE	PART NO	TO SUIT HOSE BORE
14LG4KxCT37	1/4"	10SC-4	5/8"
16LG4KxCT37	3/8"	12SC-4	3/4"
20LG4KxCT37	1/2"	16PU-4	1"

## Save time and money with Gates self-assembly starter kits

Easy to set-up and operate, the Gates Hose Self-Assembly Starter Kit lets you make your own factory quality, high-performance hydraulic hose assemblies in the fraction of the time and at a fraction of the cost of ordering from a mobile service.

No call out charge. No delays. No added costs. A product available 24/7.

Starter kits have been profiled to include the most popular couplings with BSP, JIC and ORFS terminations available, while all Gates hose assemblies produced by their systems are under guarantee following training and certification from an authorised ERIKS member.



### MC1001 Starter Kit

- MC1001 can crimp up to 1" wire braid
- Dies included 1/4", 3/8", 1/2" and 3/4"
- Compact Megacrimp 2-wire hydraulic hose from 1/4" to 3/4"
- Gates Megacrimp one-piece couplings in BSP, JIC, METRIC, ORFS



### MCX20 Starter Kit

- MCX20 can crimp up to 1" multi-spiral hose and 1 1/4" 2-wire hydraulic hose
- Dies included 1/4", 3/8", 1/2", 3/4" and 1"
- Compact Megaflex 2-wire hydraulic hose from 1/4" to 1"
- EFG5K 5000 psi multi-spiral hose in 3/4" and 1"
- Gates Megacrimp one-piece couplings in BSP, JIC, METRIC, ORFS
- Gates Globalspiral no-skive couplings in BSP, JIC, METRIC



### MCX25 Starter Kit

- Dies : 1/4", 3/8", 1/2", 3/4", 1" and 1 1/4"
- Compact CM2T Megaflex 2-wire hydraulic hose from 1/4" to 1 1/4"
- EFG5K 5000 psi multi spiral hose from 3/4" to 1"
- Gates Megacrimp one piece couplings in BSP, JIC, Metric and ORFS
- Gates Globalspiral no-skive couplings in BSP, JIC, Metric, ORFS and SAE Flanges
- Crimpers available in 1, or 3 phase versions
- Complete with a die storage system and quick die change tool.

Just £1 with hose and couplings spend of £3,350

Save £1,100 when purchased as a starter kit

Just £1 with hose and couplings spend of £5,950

Save £2,050 when purchased as a starter kit

Just £1 with hose and couplings spend of £7,400

Save £3,150 when purchased as a starter kit

## Gates Integrated System Approach



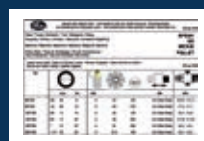
Superior products, manufactured to stringent tolerances

+



Innovative self-assembly machines and dies, rigorously validated

+



Optimal crimp data, derived from meticulous testing

=



Factory-quality performance above and beyond all international standards in full compliance with EU directives

Detailed listings of contents for the kits are available on request on from your local ERIKS Service Centre. Gates will support each starter kit with on-site crimping training and certification. Additional end terminations are available, please do not hesitate to contact us.

# Gates High Pressure Wire Braid Hoses and MegaCrimp® Couplings

## Excellent performance: Gates MXT Megaflex Hydraulic Hose

Gates' MXT hose range for high pressure hydraulic applications offers excellent performance characteristics at a highly competitive price. This compact hose exceeds EN 857 2SC, is tested and validated to 600,000 impulse cycles, and allows for tighter bend radii than standard 2-wire hose. Available in sizes from 1/4"–1".



## Couplings: MegaCrimp

- Lightweight, helps reduce equipment weight
- More flexible, with lower force-to-bend for faster and more ergonomic installation
- Made with high-performance (patent-pending) construction and high quality rubber
- Compatible with MegaCrimp couplings and Gates crimpers
- Covers 90% of the wire braid market

PART NO	BORE SIZE	MAX WORKING PRESSURE
MXT04	1/4"	400 Bar
MXT06	3/8"	330 Bar
MXT08	1/2"	275 Bar
MXT10	5/8"	250 Bar
MXT12	3/4"	215 Bar
MXT16	1"	165 Bar

## BSP 60° Cone – MegaCrimp couplings

### Male BSP Parallel. 60° Cone



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4G4MBSPP	1/4"	G1/4"	10
6G6MBSPP	3/8"	G3/8"	10
8G8MBSPP	1/2"	G1/2"	10
10G10MBSPP	5/8"	G5/8"	10
12G12MBSPP	3/4"	G3/4"	10
16G16MBSPP	1"	G1"	5

### Female BSP. O-ring Swivel. 60° Cone



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4G4FBSPORX	1/4"	G1/4"	10
6G6FBSPORX	3/8"	G3/8"	10
8G8FBSPORX	1/2"	G1/2"	10
10G10FBSPORX	5/8"	G5/8"	10
12G12FBSPORX	3/4"	G3/4"	10
16G16FBSPORX	1"	G1"	5

### Female BSP. O-ring Swivel 60° Cone. 90° Swept Elbow



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4G4FBSPORX90	1/4"	G1/4"	10
6G6FBSPORX90	3/8"	G3/8"	10
8G8FBSPORX90	1/2"	G1/2"	10
10G10FBSPORX90	5/8"	G5/8"	10
12G12FBSPORX90	3/4"	G3/4"	10
16G16FBSPORX90	1"	G1"	5

## DIN Light Series. 24° Cone – MegaCrimp couplings

### Female Straight



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4G10FDLORX	1/4"	M16x1.5	10
6G12FDLORX	3/8"	M18x1.5	10
8G15FDLORX	1/2"	M22x1.5	10
10G18FDLORX	5/8"	M26x1.5	10

### Female 90° Swept Elbow



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4G10FDLORX90	1/4"	M16x1.5	10
6G12FDLORX90	3/8"	M18x1.5	10
8G15FDLORX90	1/2"	M22x1.5	10
10G18FDLORX90	5/8"	M26x1.5	10

### Male Straight



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4G10MDL	1/4"	M16x1.5	10
6G12MDL	3/8"	M18x1.5	10
8G15MDL	1/2"	M22x1.5	10
10G18MDL	5/8"	M26x1.5	10

## DIN Heavy Series. 24° Cone – MegaCrimp couplings

### Female Straight



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4G10FDHORX	1/4"	M18x1.5	10
6G12FDHORX	3/8"	M20x1.5	10
8G16FDHORX	1/2"	M24x1.5	10
10G20FDHORX	5/8"	M30x2.0	10

### Female 90° Swept Elbow



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4G10FDHORX90	1/4"	M18x1.5	10
6G12FDHORX90	3/8"	M20x1.5	10
8G16FDHORX90	1/2"	M24x1.5	10
10G20FDHORX90	5/8"	M30x2.0	10

### Male Straight



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4G10MDH	1/4"	M18x1.5	10
6G12MDH	3/8"	M20x1.5	10
8G16MDH	1/2"	M24x1.5	10
10G20MDH	5/8"	M30x2.0	10



# Gates Extremely High Pressure Multi-Spiral Hoses and GlobalSpiral™ Couplings

## Highest flexibility for best results: Gates Envirofluid Hydraulic Spiral Hose (EFGxK)

Ideal for extremely high pressure and high impulse hydraulic applications, this spiral hose provides outstanding durability and flexibility. Validated with GlobalSpiral (GS) couplings to one million impulse cycles, this multi-spiral hose offers you extended lifetime even in the harshest applications.

### Couplings: GlobalSpiral

- Extremely flexible thanks to tight bend radii surpassing European standards
- Special nitrile-tube compound eliminating seeping through the tube and the different layers of reinforcement
- Excellent compatibility with synthetic and biodegradable hydraulic fluids such as synthetic esters, polyglycols and vegetable oils
- Outstanding product durability and superior impulse performance up to 1,000,000 impulse cycles



Gates Envirofluid Hydraulic Spiral Hose (EFGxK)

PART NO	BORE SIZE	MAX WORKING PRESSURE	PRESSURE BAR	QTY.
8EFG6K	1/2"	6000	420	30 mtrs
10EFG5K	5/8"	5000	350	30 mtrs
12EFG5K	3/4"	5000	350	30 mtrs
16EFG4K	1"	4000	280	60 mtrs

## BSP. 60° Cone – GlobalSpiral couplings

### Female Straight



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
8GS8FBSPORX	1/2"	G1/2"-14 BSP	1
10GS10FBSPORX	5/8"	G5/8"-14 BSP	1
12GS12FBSPORX	3/4"	G3/4"-14 BSP	1
16GS16FBSPORX	1"	G1"-11 BSP	1

### Female 90° Swept Elbow



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
8GS8FBSPORX	1/2"	G1/2"-14 BSP	1
10GS10FBSPORX	5/8"	G5/8"-14 BSP	1
12GS12FBSPORX	3/4"	G3/4"-14 BSP	1
16GS16FBSPORX	1"	G1"-11 BSP	1

### Male Straight



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
8GS8MBSPP	1/2"	G1/2"-14 BSP	1
10GS10MBSPP	5/8"	G5/8"-14 BSP	1
12GS12MBSPP	3/4"	G3/4"-14 BSP	1
16GS16MBSPP	1"	G1"-11 BSP	1

## DIN Heavy. 24° Cone – GlobalSpiral couplings

### Female Straight



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
8GS16FDHORX	1/2"	M24x1.5	1
10GS20FDHORX	5/8"	M30x2.0	1
12GS25FDHORX	3/4"	M36x2.0	1
16GS30FDHORX	1"	M42x2.0	1

### Female 90° Swept Elbow



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
8GS16FDHORX90	1/2"	M24x1.5	1
10GS20FDHORX90	5/8"	M30x2.0	1
12GS25FDHORX90	3/4"	M36x2.0	1
16GS30FDHORX90	1"	M42x2.0	1

### Male Straight



PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
8GS16MDH	1/2"	M24x1.5	1
10GS20MDH	5/8"	M30x2.0	1
12GS25MDH	3/4"	M36x2.0	1
16GS30MDH	1"	M42x2.0	1

## Ferrules



PART NO	HOSE BORE SIZE
6GSIF-4	3/8"
8GSIF-4	1/2"
10GSIF-4	5/8"
12GSIF-4	3/4"
16GSIF-4	1"
20GSIF-4	1.1/4"
24GSIF	1.1/2"

## Gates GlobalSpiral Plus

Gates GlobalSpiral Plus (GSP) is a new range of non-skive 2-piece large bore couplings designed for 1 and 2-wire braid hydraulics hose.

### Female Straight

PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
24GSP24FBSPORX	1.1/2"	G1.1/2"-11BSP	1
32GSP32FBSPORX	2"	G2"-11BSP	1

### Female 90° Swept Elbow

PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
24GSP24FBSPORX90	1.1/2"	G1.1/2"-11BSP	1
32GSP32FBSPORX90	2"	G2"-11BSP	1

### Male Straight

PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
24GSP24MBSPP	1.1/2"	G1.1/2"-11BSP	1
32GSP32MBSPP	2"	G2"-11BSP	1

### Ferrules for 1 and 2-Wire Hose

PART NO	HOSE BORE	PACK SIZE
24GSP1F-2	1.1/2"	1
32GSP1F-2	2"	1

# Rexroth Cetop Valves

## CETOP 3/5 Valves

High-quality valves from the European market leader in hydraulics.  
Directly interchangeable with other brands conforming to the CETOP 3 or 5 standard.

- Coils can be rotated 90°
- Coils can be replaced without loss of fluid

### Symbols

Spool Type A



Spool Type D



Spool Type E



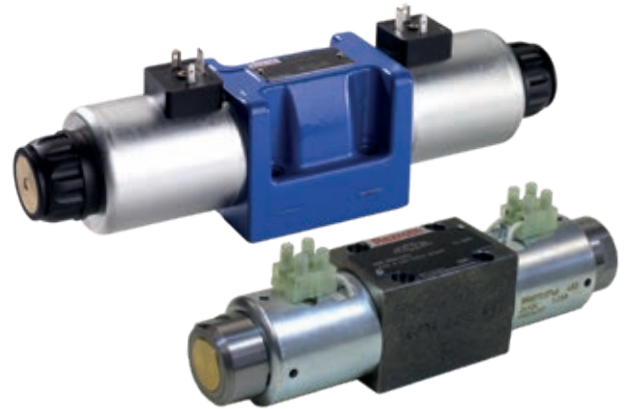
Spool Type G



Spool Type J



Spool Type Y



### Cetop 3 Valve (Size 6)

PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4WE6D6X/EG24N9K4	24V DC	D	313162
4WE6E6X/EG24N9K4	24V DC	E	313162
4WE6J6X/EG24N9K4	24V DC	J	313162
4WE6D6X/EW110N9K4	110V AC	D	313162
4WE6E6X/EW110N9K4	110V AC	E	313162
4WE6J6X/EW110N9K4	110V AC	J	313162

### Cetop 5 Valve (Size 10)

PART NO	HOSE BORE	THREAD SIZE	PACK SIZE
4WE10D3X/CG24N9K4	24V DC	D	312582
4WE10E3X/CG24N9K4	24V DC	E	312582
4WE10J3X/CG24N9K4	24V DC	J	312582
4WE10D3X/CW110N9K4	110V AC	D	312582
4WE10E3X/CW110N9K4	110V AC	E	312582
4WE10J3X/CW110N9K4	110V AC	J	312582

## Top Tips

- **Filter new oil before filling a reservoir or system:** New oil is not machine ready oil; always filter new oil prior to loading
- **Match oil cleanliness to system requirements:** Understand the requirements set by your system's manufacturer and ensure filtration you choose meets that level
- **Consider hydraulic systems designed with easily accessible filter systems;** otherwise, maintenance and filter replacement will lag or be routinely postponed
- **Set up a maintenance schedule** based on your operational requirements, based on environmental conditions, where, how frequently the system is operated and filtration system design
- **Clean the areas around the filter** before you change it; this prevents accidental intrusion of dirt particles

# Hydraulic Components

## Proportional Directional Valves Operated 4WRE and 4WREE

The valve type 4WRE (E) is a direct operated proportional directional valve with electrical position feedback for sub-plated mounting. Operation is effected by means of proportional solenoids. The solenoids are controlled either via external or via integrated electronics.

### Features

- For sub plate mounting
- Porting pattern according to ISO 4401
- Control of flow direction and flow rate
- With electrical feedback
- With integrated electronics (OBE) (type 4WREE)
- Spring-centred control spool
- Sizes 6...10
- Component series 2X
- Maximum operating pressure 315 bar
- Maximum flow 180 l/min



SIZE				6	10
Operating pressure	Port A,B, P	P <sub>max</sub>	bar	315	315
Nominal flow	Δp = 10 bar	q <sub>v nom</sub>	V <sub>min</sub>	8, 16, 32	25,50, 75
Maximum hysteresis			%	0.1	0.1
Step response	0 to 90%	T <sub>u</sub> + T <sub>g</sub>	ms	20	40
Operation voltage	OBE	U	V	24	24
Comm. Value signal	OBE	U	V	± 10	± 10
		I	mA	4 to 20	4 to 20

## Axial Piston Fixed Displacement Motor A2FM Series 6

Fixed displacement motor A2FM of axial piston, bent axis design is suitable for hydrostatic drives in open and closed circuits. The torque increases with the pressure differential between the high and low pressure side and with increasing displacement. The output speed depends on the flow capacity of the pump and the displacement of the motor.

The pistons are directly supported by the drive shaft and there create a pressure-dependent torque.

### Features

- Use in mobile and industrial applications
- Axial tapered piston bent axis design
- High power density
- Small dimensions
- High overall efficiency
- Good start-up efficiency
- Size 5...200
- Nominal pressure: 315 bar (size 5), 400 bar (size 10-200)
- Peak pressure: 350 bar (size 5), 450 bar (size 10-200)
- Open and closed circuit



SIZE			5	10	12	16	23	28	
Nominal pressure	P <sub>N</sub>	bar	315	400	400	400	400	400	
Peak pressure	P <sub>max</sub>	bar	350	450	450	450	450	450	
Swept volume	V <sub>g</sub>	cm <sup>3</sup>	4.93	10.3	12	16	22.9	28.1	
Speed	n <sub>max</sub>	rpm	10000	8000	8000	8000	6300	6300	
Inlet flow	q <sub>v max</sub>	l/min	49	82	96	128	144	176	
Torque	Δp = 400 bar	T	Nm	24.7	65	76	100	144	178
Weight (approx.)	m	Nm	2.5	5.4	5.4	5.4	9.5	9.5	

# Adaptors

## Male x Male Adaptors



### BSP Male/Male Equal

PART NO	THREAD A	THREAD B
KB02	1/8"	1/8"
KB04	1/4"	1/4"
KB06	3/8"	3/8"
KB08	1/2"	1/2"
KB10	5/8"	5/8"
KB12	3/4"	3/4"
KB16	1"	1"
KB20	1.1/4"	1.1/4"
KB24	1.1/2"	1.1/2"
KB32	2"	2"



### BSP Straight Bulkhead

PART NO	THREAD A	THREAD B
KBH02	1/8"	1/8"
KBH04	1/4"	1/4"
KBH06	3/8"	3/8"
KBH08	1/2"	1/2"
KBH10	5/8"	5/8"
KBH12	3/4"	3/4"
KBH16	1"	1"



### BSP Male/Male 90° Compact Elbow

PART NO	THREAD A	THREAD B
KB040490C	1/4"	1/4"
KB060690C	3/8"	3/8"
KB080890C	1/2"	1/2"
KB101090C	5/8"	5/8"
KB121290C	3/4"	3/4"
KB161690C	1"	1"

### BSP Male/Male Unequal

PART NO	THREAD A	THREAD B
KB0204	1/8"	1/4"
KB0206	1/8"	3/8"
KB0406	1/4"	3/8"
KB0408	1/4"	1/2"
KB0608	3/8"	1/2"
KB0610	3/8"	5/8"
KB0810	1/2"	5/8"
KB0820	1/2"	1.1/4"
KB0412	1/4"	3/4"
KB0612	3/8"	3/4"
KB0812	1/2"	3/4"
KB1012	5/8"	3/4"
KB1016	5/8"	1"
KB0616	3/8"	1"
KB0816	1/2"	1"
KB1216	3/4"	1"
KB1220	3/4"	1.1/4"
KB1620	1"	1.1/4"
KB1224	3/4"	1.1/2"
KB1624	1"	1.1/2"
KB2024	1.1/4"	1.1/2"
KB1632	1"	2"
KB2032	1.1/4"	2"
KB2432	1.1/2"	2"

## Female x Female Adaptors

### BSP Female/Female Swivel

PART NO	THREAD A	THREAD B
KBFF0404	1/4"F	1/4"F
KBFF0406	1/4"F	3/8"F
KBFF0408	1/4"F	1/2"F
KBFF0606	3/8"F	3/8"F
KBFF0608	3/8"F	1/2"F
KBFF0808	1/2"F	1/2"F
KBFF0812	1/2"F	3/4"F

## High quality, market leading hydraulic adaptors.

- Manufactured from steel BS EN 10277:3 1999 230 MOPb and conforming to recognised international standards
- Surface treatment Chromium-6 free conforming to EU regulations

## Tee Pieces



### BSP Male/Male/Male Tee

PART NO	THREAD A	THREAD B	THREAD C
KBT04	1/4"	1/4"	1/4"
KBT06	3/8"	3/8"	3/8"
KBT08	1/2"	1/2"	1/2"
KBT10	5/8"	5/8"	5/8"
KBT12	3/4"	3/4"	3/4"
KBT16	1"	1"	1"
KBT20	1.1/4"	1.1/4"	1.1/4"
KBT24	1.1/2"	1.1/2"	1.1/2"



### BSP Female/Female/Female Swivel Tee

PART NO	THREAD A	THREAD B
KBTTTT040404	1/4"	1/4"
KBTTTT060606	3/8"	3/8"
KBTTTT080808	1/2"	1/2"
KBTTTT121212	3/4"	3/4"
KBTTTT161616	1"	1"
KBTTTT202020	1.1/4"	1.1/4"
KBTTTT242424	1.1/2"	1.1/2"

### BSP Male/Female/Male Swivel Tee

PART NO	THREAD A	THREAD B	THREAD C
BTMFM040404	1/4"	1/4"	1/4"
BTMFM060606	3/8"	3/8"	3/8"
BTMFM080808	1/2"	1/2"	1/2"
BTMFM121212	3/4"	3/4"	3/4"
BTMFM161616	1"	1"	1"
BTMFM202020	1.1/4"	1.1/4"	1.1/4"
BTMFM242424	1.1/2"	1.1/2"	1.1/2"

### BSP Male/Male/Female Swivel Tee

PART NO	THREAD A	THREAD B	THREAD C
KBTMMF040404	1/4"	1/4"	1/4"
KBTMMF060606	3/8"	3/8"	3/8"
KBTMMF080808	1/2"	1/2"	1/2"
KBTMMF121212	3/4"	3/4"	3/4"
KBTMMF161616	1"	1"	1"
KBTMMF202020	1.1/4"	1.1/4"	1.1/4"
KBTMMF242424	1.1/2"	1.1/2"	1.1/2"



### BSP Female/Female 90° Compact Swivel Elbow

PART NO	THREAD A	THREAD B
KBFF040490C	1/4"F	1/4"F
KBFF060690C	3/8"F	3/8"
KBFF080890C	1/2"F	1/2"F
KBFF121290C	3/4"F	3/4"F
KBFF161690C	1"	1"
KBFF202090C	1.1/4"F	1.1/4"F
KBFF242490C	1.1/2"F	1.1/2"F

# Quick Release Couplings

## ISO 7241 Series A

- Cost effective solution, tested to ISO 7241 standard
- Zinc plated, heat treated carbon steel, Nitrile "O" ring seals are fitted as standard. Viton available on request
- Suitable for both agricultural and industrial use requiring frequent connections and disconnections
- Maximum working pressure range from 350 bar [1/4"] to 130 bar [2"]



### Probe

PART NO	PORT SIZE
QRC-P04	1/4" BSPP
QRC-P06	3/8" BSPP
QRC-P08	1/2" BSPP
QRC-P12	3/4" BSPP*
QRC-P16	1" BSPP

### Carrier

PART NO	THREAD A
QRC-C04	1/4" BSPP
QRC-C06	3/8" BSPP
QRC-C08	1/2" BSPP
QRC-C12	3/4" BSPP*
QRC-C16	1" BSPP

## ISO 7241 Series B

- Heat treated carbon steel, zinc plated, Nitrile O-ring seals with Teflon backing rings
- Ideally suited to heavy duty applications such as: automotive, offshore, railways, petrochemical, steel, civil engineering
- Maximum working pressure range from 300 bar



### Probe

PART NO	PORT SIZE
QRC-P04B	1/4" BSPP
QRC-P06B	3/8" BSPP
QRC-P08B	1/2" BSPP
QRC-P12B	3/4" BSPP*
QRC-P16B	1" BSPP

### Carrier

PART NO	THREAD A
QRC-C04B	1/4" BSPP
QRC-C06B	3/8" BSPP
QRC-C08B	1/2" BSPP
QRC-C12B	3/4" BSPP*
QRC-C16B	1" BSPP

## Flat Face

- Zero leakage coupling, easy to clean to prevent contamination ingress and manufactured to ISO 16028 standard
- Pressure rated up to 350 bar, warranty for 1 year including on hammer applications
- Zinc-Nickel plating reduces corrosion, rated for 280 hours to white rust in a salt spray test
- Available in stainless steel



### Probe

PART NO	PORT SIZE
QRC-P04FF	1/4" BSPP
QRC-P06FF	3/8" BSPP
QRC-P08FF	1/2" BSPP
QRC-P12FF	3/4" BSPP*
QRC-P16FF	1" BSPP

### Carrier

PART NO	THREAD A
QRC-C04FF	1/4" BSPP
QRC-C06FF	3/8" BSPP
QRC-C08FF	1/2" BSPP
QRC-C12FF	3/4" BSPP*
QRC-C16FF	1" BSPP

## Screw to Connect

- Screw connection style eliminates brinelling, increasing the life of the coupling
- Screw connection style allows for connection with up to 50 bar pressure in each hydraulic hose line
- Screw connection style prevents accidental uncoupling under vibration
- Suited to heavy duty industrial applications which are subject to heavy mechanical loads and high pressure pulse application on construction plant



### Probe

PART NO	PORT SIZE
QRC-P04SC	1/4" BSPP
QRC-P06SC	3/8" BSPP
QRC-P08SC	1/2" BSPP
QRC-P12SC	3/4" BSPP*
QRC-P16SC	1" BSPP

### Carrier

PART NO	THREAD A
QRC-C04SC	1/4" BSPP
QRC-C06SC	3/8" BSPP
QRC-C08SC	1/2" BSPP
QRC-C12SC	3/4" BSPP*
QRC-C16SC	1" BSPP

# Hydraulic Accessories

## Glycerine Filled Pressure Gauges

A small selection of the range available. Call your local Service Centre for help.

- Stainless steel case
- Accuracy  $\pm 1.6\%$  FSD
- 63mm [2.1/2"] Diameter, 1/4" BSPP
- Available bottom and rear entry fittings



### Bottom Entry

PART NO	PRESSURE RANGE
PG63BO10	0-10 bar
PG63BO16	0-16 bar
PG63BO25	0-25 bar
PG63BO40	0-40 bar
PG63BO60	0-60 bar
PG63BO100	0-100 bar
PG63BO160	0-160 bar
PG63BO250	0-250 bar
PG63BO400	0-400 bar
PG63BO600	0-600 bar



### Rear Entry

PART NO	PRESSURE RANGE
PG63RO10	0-10 bar
PG63RO16	0-16 bar
PG63RO25	0-25 bar
PG63RO40	0-40 bar
PG63RO60	0-60 bar
PG63RO100	0-100 bar
PG63RO160	0-160 bar
PG63RO250	0-250 bar
PG63RO400	0-400 bar
PG63RO600	0-600 bar

## Accessories and Testing Kits

### 1620 Test Point with Metal Cap

- Can be used as sampling points
- Lifetime leak-free guarantee



PART NO	DESCRIPTION	THREAD	MAX WP
EMA3R1/8ED	1620 Test Point with Metal Cap	BSP 1/8"	400 bar
EMA3R1/4ED	1620 Test Point with Metal Cap	BSP 1/4"	630 bar

### 1620 Pressure Gauge Connection (direct)

- Also available in stainless steel



PART NO	DESCRIPTION	THREAD	MAX WP
EPGC1604	1620 Pressure Gauge Connection (direct)	BSP 1/4"	630 bar
EPGC1608	1620 Test Point with Metal Cap	BSP 1/2"	630 bar

### 1620 Male/Swivel Female Test Tee Piece

- Also available in stainless steel



PART NO	DESCRIPTION	THREAD	MAX WP
ESNA01	1620 Male/Swivel Female Test Tee Piece	BSP 1/4"	630 bar
ESNA02	1620 Male/Swivel Female Test Tee Piece	BSP 3/8"	630 bar
ESNA03	1620 Male/Swivel Female Test Tee Piece	BSP 1/2"	515 bar
ESNA04	1620 Male/Swivel Female Test Tee Piece	BSP 3/4"	430 bar
ESNA06	1620 Male/Swivel Female Test Tee Piece	BSP 1"	345 bar

### High Pressure Micro Bore Assemblies



PART NO	DESCRIPTION	HOSE LENGTH
ETH1614-1000	1620 Fem x 1/4 BSP Gauge Fem	1000mm
ETH1614-2000	1620 Fem x 1/4 BSP Gauge Fem	2000mm
ETH1616-1000	1620 Fem x 1620 Fem	1000mm
ETH1616-2000	1620 Fem x 1620 Fem	2000mm

Other hose lengths/combinations available on request.  
Max working pressure 400 bar, other pressures on request.

### Pressure Test Kits



Universal



Standard

#### Pressure Test Kits 40/400bar

PART NO	DESCRIPTION
ESPTK40/400	Standard
EUPTK40/400	Universal

### Digital Pressure Test Kits

- Single digital pressure gauge with minimal test points, adaptors and hose in a carry case
- Three kits available in the different pressure ranges
- Gauges have peak min/max storage, great accuracy and easy to read display



#### Single Gauge Digital Pressure Test Kits

PART NO	DESCRIPTION
EDPTK0/60	0-60 Bar
EDPTK0/250	0-250 Bar
EDPTK0/600	0-600 Bar

## Oil Transfer Units

This high performance series provides fast and efficient oil clean-up with simple maintenance procedures that require no tools to change. This filter is designed to ensure it does not become blocked on the outer fibres but allows the full depth of the filter media to be utilised, capturing and retaining larger debris in the outer layers and the finer particles in the inner contamination control section of the media. This results in longer service life and better performance over a wide range of different sized contaminants.

The assembly also includes an indicator button which activates when the filter-can needs changing. Available in a range of high performance efficiency ratings from 1 to 25 micron.

- Group 2 gear pump giving up to 27 litres/min
- Options of 110V, 240V standard supply
- Includes standard DOL Starter
- Fully wired and ready to use
- Visual 'pop-up' contamination indicator
- Includes 2 metre suction and delivery hose
- Carrying handle
- Pall 6 Micron cartridge fitted as standard

PART NO	DESCRIPTION	
OTUI-110V-25	Oil transfer unit 110V, 25 litre	A
OTUI-220V-25	Oil transfer unit 220V, 25 litre	A

PART NO	DESCRIPTION	
DIPTUBE-25	Dip tube for 25 litre drum	B
DIPTUBE-205	Dip tube for 205 litre drum	C
HC7400SKP4H	Pall 3 Micron replacement cartridge	D
HC7400SKN4H	Pall 6 Micron replacement cartridge, (fitted as standard)	D
HC7400SKS4H	Pall 12 Micron replacement cartridge	D
QRC-P12	QRC Probe, 3/4 BSP	E
QRC-C12	QRC Carrier, 3/4 BSP	F



## Cablelock

Cablelock is an innovative retention system for high-pressure hydraulic hoses, which offers protection to a person from the dangerous effects of whiplash by the sudden release of hydraulic energy. Cablelock will restrain the hose assembly if the end termination is blown off or if there is end connection separation.

This retaining system allows for the compliance to the DIN ISO 4413 section of the Machinery Directive 2006/42/EG

Advantages of the Cablelock system:

- Installable without removing the current hydraulic hose assembly
- Compact structure - can be installed in areas where space is a premium
- Universal system - can be installed across different hose types
- Cost effective, safe, easy and quick installation

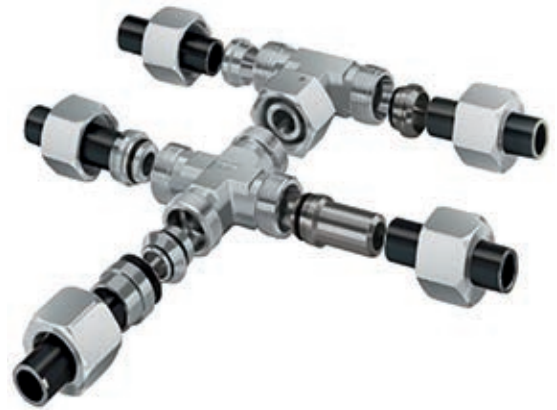


## Gates-EMB Fittings

### Gates-EMB DIN Tube Fittings

The EMB patented technique of pre and final assembly of cutting rings reduces assembly time and costs, whilst providing superior "leak-free" characteristics and reliable reproducible assembly results.

The entire process of tube preparation until the final coupling runs like clock work in no time at all, thanks to our investment in "state-of-the-art" machinery.



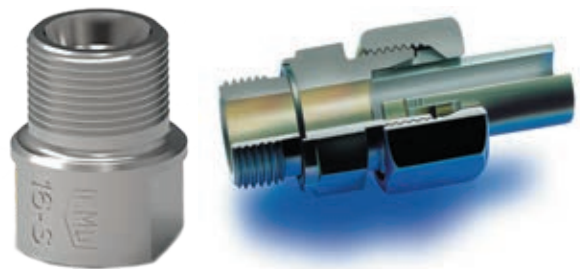
### New Surface Finish

Gates – EMB is the only supplier to offer a full range of DIN Tube Fittings with 3 types of coating in parallel: NanoProtect™, Zinc-Nickel and Stainless Steel, so the customer can select the finishing best suited for the application.

- The Gates-EMB DIN Tube Fittings range is now also available with a zinc-nickel coating

#### Advantages of the modified coating:

- Increased corrosion resistance
- Constant friction coefficients compared to phosphating
- Reduced wear during installation and clamping



### Gates-EMB Opticam 4S

#### More control. More safety. Easier to use!

Gates-EMB OPTICAM 4S for the secure and efficient assembly of hydraulic cutting rings DS and DSW.

- Extremely easy to handle
- Automatic tool recognition excludes errors
- SPC control of each assembly
- Increased assembly accuracy through reference check after each tool change
- Improved error detection
- Wear monitoring with individual cycle counter for each size
- Export of assembly data available as CSV-file

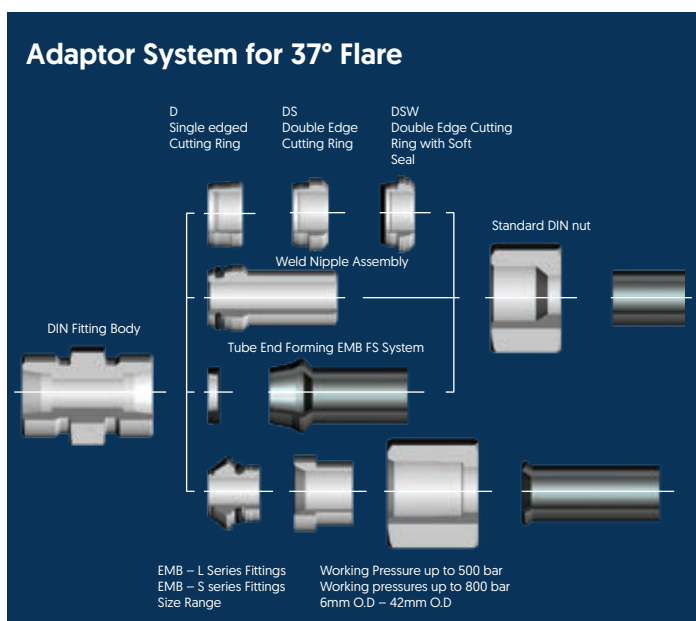




# Metric Tube Compression Fittings

Manufactured to the highest standards, all compression fittings conform to the international standard EN ISO 8434-1 [DIN 2353] and conform to the latest EU regulations on the restricted use of hazardous substances.

EMB fittings in addition to the Chrome 6 Free surface finish have an additional protection level- NANO Protect - which provides up to 400 hours protection to Red Rust.



## Male Stud Couplings BSP Parallel



### 60° Cone Light Series L

PART NO	TUBE OD	BSP MALE
GE6LR-60	6mm	1/8"
GE8LR-60	8mm	1/4"
GE10LR-60	10mm	1/4"
GE12LR-60	12mm	3/8"
GE15LR-60	15mm	1/2"
GE18LR-60	18mm	1/2"
GE22LR-60	22mm	3/4"
GE28LR-60	28mm	1"
GE35LR-60	35mm	1.1/4"
GE42LR-60	42mm	1.1/2"

other sizes on request

### 60° Cone Heavy Series S

PART NO	TUBE OD	BSP MALE
GE6SR-60	6mm	1/4"
GE8SR-60	8mm	1/4"
GE10SR-60	10mm	3/8"
GE12SR-60	12mm	3/8"
GE14SR-60	14mm	1/2"
GE16SR-60	16mm	1/2"
GE20SR-60	20mm	3/4"
GE20SRI-60	20mm	1"
GE25SR-60	25mm	1"
GE30SRI-60	30mm	1"
GE38SR-60	38mm	1.1/2"

## Tube to Tube Equal Straight



### Light Series L

PART NO	TUBE OD
G6PL	6mm
G8PL	8mm
G10PL	10mm
G12PL	12mm
G15PL	15mm
G18PL	18mm
G22PL	22mm
G28PL	28mm
G35PL	35mm
G42PL	42mm

### Heavy Series S

PART NO	TUBE OD
G6PS	6mm
G8PS	8mm
G10PS	10mm
G12PS	12mm
G14PS	14mm
G16PS	16mm
G20PS	20mm
G25PS	25mm
G30PS	30mm
G38PS	38mm

## Tube to Tube Equal Tee



### Light Series L

PART NO	TUBE OD
T6PL	6mm
T8PL	8mm
T10PL	10mm
T12PL	12mm
T15PL	15mm
T18PL	18mm
T22PL	22mm
T28PL	28mm
T35PL	35mm
T42PL	42mm

### Heavy Series S

PART NO	TUBE OD
T6PS	6mm
T8PS	8mm
T10PS	10mm
T12PS	12mm
T14PS	14mm
T16PS	16mm
T20PS	20mm
T25PS	25mm
T30PS	30mm
T38PS	38mm

## Bulkhead Straight



### Light Series L

PART NO	TUBE OD
T6PL	6mm
T8PL	8mm
T10PL	10mm
T12PL	12mm
T15PL	15mm
T18PL	18mm
T22PL	22mm
T28PL	28mm
T35PL	35mm
T42PL	42mm

### Heavy Series S

PART NO	TUBE OD
SV6PS	6mm
SV8PS	8mm
SV10PS	10mm
SV12PS	12mm
SV14PS	14mm
SV16PS	16mm
SV20PS	20mm
SV25PS	25mm
SV30PS	30mm
SV38PS	38mm



# THIS IS INCREASED EFFICIENCY

*Hydraulic Filtration Support*

*Total system health solutions  
Save time selecting filtration  
On and off-line tools available*

Specifying the correct filtration solution is vital to preserving the desired performance of your system. Parker's filter selector tool helps you to find and select hydraulic, fuel and lubrication filters & condition monitoring products on and off-line. Visit [filterselector.com](http://filterselector.com) to access the tool or please contact your ERIKS representative for further information on our full range of support services.



**ENGINEERING  
YOUR SUCCESS.**

[parker.com](http://parker.com)

## Ball Valves

High-pressure ball valves have a true on-off function; they should not be used in a partially opened position. Three-way ball valves come in different versions. The most commonly used has an L-bore with one defined pressured inlet port (the centre one).

- The flow can be switched from one to the other outlet port by turning the handle over a 90° angle
- In the 45° position the flow is blocked



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### High Pressure 2-way Ball Valves



PART NO	PORT SIZE	NOMINAL PRESSURE
HBV2G14	1BSP 1/4"	500
HBV2G38	BSP 3/8"	500
HBV2G12	BSP 1/2"	400
HBV2G34	BSP 3/4"	315
HBV2G1	BSP 1"	315
HBV2G114	BSP 1.1/4"	315
HBV2G112	BSP 1.1/2"	315
HBV2G2	BSP 2"	315

### High Pressure 3-way Ball Valves L-port



PART NO	PORT SIZE	NOMINAL PRESSURE
HBV3LG14	BSP 1/4"	500
HBV3LG38	BSP 3/8"	400
HBV3LG12	BSP 1/2"	315
HBV3LG34	BSP 3/4"	315
HBV3LG1	BSP 1"	250

### Flow Control Valves

- Flow control valves are designed to restrict the flow going through the valve from a fully opened position to a fully closed position
- Be aware that highly restricted flow levels will cause considerable heat generation



PART NO	PORT SIZE	NOMINAL PRESSURE
DVG18	BSP 1/8"	350
DVG14	BSP 1/4"	350
DVG38	BSP 3/8"	350
DVG12	BSP 1/2"	350
DVG34	BSP 3/4"	350
DVG1	BSP 1"	350
DVG114	BSP 1.1/4"	350
DVG112	BSP 1.1/2"	350

### Speed Control Valves

- These speed control valves have a built-in check valve which makes the adjustable flow restriction only work in one flow direction
- In the reversed flow direction the check valve opens and offers virtually unrestricted flow



PART NO	PORT SIZE	NOMINAL PRESSURE
DRVG18	BSP 1/8"	350
DRVG14	BSP 1/4"	350
DRVG38	BSP 3/8"	350
DRVG12	BSP 1/2"	350
DRVG34	BSP 3/4"	350
DRVG1	BSP 1"	350
DRVG114	BSP 1.1/4"	350
DRVG112	BSP 1.1/2"	350

### Check Valves

- A check valve simply allows flow in one direction and completely blocks flow in the reversed direction
- The so-called cracking pressure is normally set at 0.5 bar. This is the pressure at which the valve starts to open when pressured in the free flow direction



PART NO	PORT SIZE	NOMINAL PRESSURE
RVG14	BSP 1/4"	500
RVG38	BSP 3/8"	500
RVG12	BSP 1/2"	500
RVG34	BSP 3/4"	400
RVG1	BSP 1"	350
RVG114	BSP 1.1/4"	350
RVG112	BSP 1.1/2"	350
RVG2	BSP 2"	250

## Prevention

### EPF iprotect® and GMF iprotect®

Selecting the correct filtration solution is vital to preserving the desired performance of your system. The EPF and GMF series are highly compact, environmentally-friendly inline hydraulic oil filters that feature a reusable element core.

High and Medium pressure filters

- Improved performance with iprotect patented filtration technology
- Compact solution / saves time as filter element remains in the filter bowl during servicing
- 50% reduction in waste with replaceable elements and reusable element core
- Reduced risk of installation mistakes due to design
- Easy to integrate into hydraulic manifold solutions



### EPF iprotect® - High Pressure Filter

PART NO	FLOW L/ MIN	MICRON RATING	CONNECTION	INDICATOR PORT	
epf1110qibpmg081	40	10	G½	plugged	low
epf3210qibpmg161	250	10	G1	plugged	Medium
epf5110qibpmg241	500	10	G1½	plugged	High

### GMF iprotect® - Medium Pressure Filter

PART NO	FLOW L/ MIN	MICRON RATING	CONNECTION	INDICATOR PORT	
gmf2110qIVPKG164	55	10	G1	plugged	low
gmf3210qIVPKG244	230	10	G1½	plugged	Medium
gmf4210qIVPKG324	530	10	G2	plugged	High

### GLF iprotect®

#### Low pressure tank – Top return line filters

The GLF series is a tank top return line hydraulic oil filter, designed for high flow and long life between element change-outs.

- Improved performance with patented iprotect elements
- No recontamination of the system during element change
- Reduced energy consumption due to filter head design
- 50% reduction in service time

### GLF iprotect® - Low Pressure Tank – Top Return Line Filters

PART NO	FLOW L/MIN	MICRON RATING	CONNECTION	INDICATOR PORT	
GLF1110QIBP2GG12MF	80	10	G¾	plugged	low
GLF3110QIBP2GG20MF	450	10	G1¼	plugged	Medium
GLF4310QIBP2Gr48MF	1700	10	sae 3"-3000 m flange	plugged	Hlgh



# Diagnosis, treatment and tools

## Diagnosis

Improving reliability, reducing cost

Contamination can lead to serious equipment degradation and failure. Combining sensors and diagnostic tools with circuit filtration and off-line systems, machine operators can receive real-time insight into changing system health. Fact-based decisions are then made, which improve uptime and minimise negative results to the bottom line.

- Parker's range of diagnostic products include:
- Portable Particle Monitor – Wi-Fi icount Oil Sampler (IOS)
- In-line Particle Monitor – icount PD Particle Detector
- In-line Sensors and Monitor – System 20



## Treatment

Clean, cool and dry systems contribute to increased production throughput as well as machine reliability and longer fluid life.

- Extend the life of your fluid beyond routine drain and change intervals
- Save cost through reduced waste
- Reduce the time and cost of maintenance and unplanned stoppages
- Further information on the complete range, please contact your ERIKS representative



## Tools

Do you need help finding the right filtration solution? Why not try Parker's online tools

- Find and select hydraulic and lubrication filter products at [www.filterselector.com](http://www.filterselector.com)
- Identify and order replacement interchangeable elements faster and easier with the Par Fit™ selector – search by part number, application or visual reference at [www.parkerhfde.com/toolkit](http://www.parkerhfde.com/toolkit)



# Directional Control Valves

## Series DIVW

Parker's directional control valve series DIVW in NG06 (CETOP 03 / NFPA D03) provides high functional limits up to 80 l/min in combination with a very low, energy-saving pressure drop due to optimized flow passages. The maximum pressure is 350 bar.

### Performance Characteristics

Nominal Size	NG06 / CETOP 03
Operation Style	Direct
Maximum Flow Rate	80 Litres/Min (depending on spool), 60 (depending on spool)
Connection Type	Connector as per EN 175301-803, plugs not included.
Actuation	Solenoid
Weight	1.5kg (DIVW with 1 solenoid), 2.1 kg (DIVW with 2 solenoids) valves in more detail.



PART NO	VOLTAGE	SPOOL IN NEUTRAL	SPRING ARRANGEMENT	SPOOL CODE
DIVW002CNYW	110V AC 50Hz	0 All Ports Connected	Spring Centred	2
DIVW002CNJW	24V DC	0 All Ports Connected	Spring Centred	2
DIVW001CNYW	110V AC 50Hz	2 All Ports Blocked	Spring Centred	1
DIVW001CNJW	24V DC 2	All Ports Blocked	Spring Centred	1
DIVW004CNYW	110V AC 50Hz	6 A and B to T	Spring Centred	4
DIVW004CNJW	24V DC	6 A and B to T	Spring Centred	8
DIVW008CNYW	110V AC 50Hz	8 A and B blocked, P to T	Spring Centred	8
DIVW008CNJW	24V DC 8	A and B blocked, P to T	Spring Centred	020
DIVW020HNYW	110V AC 50Hz	20 P to B, A to T	Spring Offset in Pos A	020
DIVW020BNJW	24V DC	20 P to A, B to T	Spring Offset in Pos B	030
DIVW020BNYW	110V AC 50Hz	2 All Ports Blocked	Spring Offset End to End	020
DIVW020BNJW	24V DC	2 All Ports Blocked	Spring Offset End to End	020
DIVW030BNYW	110V AC 50Hz	0 All Ports Connected	Spring Offset End to End	030
DIVW030HNYW	110V AC 50Hz	30 P to B, A to T	Spring Offset in Pos A	030
DIVW030BNJW	24V DC	30 P to A, B to T	Spring Offset in Pos B	030

3 Position Spools		2 Position Spools	
Code	Spool Type	Code	Spool Type
001		020	
002		030	
004			
008			

## Series D3W

Parker's direct operated directional control valve series D3W in NG10 (CETOP 05 / NFPA D05) features low energy losses due to optimized flow passages for economical operation. It offers high functional limits up to 150 l/min and a maximum pressure of 350 bar.

### Performance Characteristics

Nominal Size	NG10/CETOP 5
Mounting Style	Sub-plate mounting
Operation Style	Direct
Actuation	Solenoid
Series Type	Directional control valve
Weight (kg)	4.8 [1 solenoid], 6.3 [2 solenoids]

PART NO	VOLTAGE	SPOOL IN NEUTRAL	SPRING ARRANGEMENT	SPOOL CODE
D3W002CNYW	110V AC 50Hz	0 All Ports Connected	Spring Centred	002
D3W002CNJW	24V DC	0 All Ports Connected	Spring Centred	002
D3W001CNYW	110V AC 50Hz	2 All Ports Blocked	Spring Centred	001
D3W001CNJW	24V DC	2 All Ports Blocked	Spring Centred	001
D3W004CNYW	110V AC 50Hz	6 A and B to T	Spring Centred	004
D3W004CNJW	24V DC	6 A and B to T	Spring Centred	004
D3W008CNYW	110V AC 50Hz	8 A and B blocked, P to T	Spring Centred	008
D3W008CNJW	24V DC	8 A and B blocked, P to T	Spring Centred	008
D3W020HNYW	110V AC 50Hz	20 P to B, A to T	Spring Offset in Pos A	020
D3W020BNJW	24V DC	20 P to A, B to T	Spring Offset in Pos B	020
D3W030HNYW	110V AC 50Hz	30 P to B, A to T	Spring Offset in Pos A	030
D3W030BNJW	24V DC	30 P to A, B to T	Spring Offset in Pos B	030
DIVW030BNYW	110V AC 50Hz	0 All Ports Connected	Spring Offset End to End	030
DIVW030HNYW	110V AC 50Hz	30 P to B, A to T	Spring Offset in Pos A	030
DIVW030BNJW	24V DC	30 P to A, B to T	Spring Offset in Pos B	030



3 Position Spools		2 Position Spools	
Code	Spool Type	Code	Spool Type
001		020	
002		030	
004			
008			



## Bladder Accumulators and Accessories

High pressure range of bladder accumulators and accessories, ideally suited for the UK Industrial market (207 to 420 bar/ up to 54L).

The UK series has been engineered to the highest quality standards to optimise service life and product safety. Its robust shell and bladder design offers strength and reliability which ensures the provision of constant pressure storage in any hydraulic system.

The UK series is fitted with a bonded seal fluid port and 1/4" BSP Gas Connection as standard.

A hydrostatic pressure test is carried out on all hydraulic accumulator shells during the manufacturing process. We can also offer additional pressure testing for shells or for a complete assembly - witnessed by a specified Inspection Authority and/or customer - as an optional extra.

### Benefits

- Engineered to the highest quality standards
- Long service life
- Technical and application expertise
- Accessories including charging kits

### Typical Applications

- Hydrostatic bearings
- Lubricating oil supplies
- Chucking systems
- Machine tools

### Also available:

A complete range of piston and diaphragm accumulators.



## LAC Oil Cooler Series and Accessories

From 1kW up to a 300kW cooling capacity. With its simple and robust design and wide selection of accessories, this range will suit all industrial applications with a high voltage electric source.

It is quiet in operation and offers a low pressure drop and high cooling capacity. It has a single-phase or three-phase AC-motor and is suitable for installation in most applications and environments.

### Benefits with the correct working temperature

- Extended system life
- Increased output and fewer shutdowns
- Reduced service and repair costs
- High efficiency level maintained in continuous operation

### Typical Applications

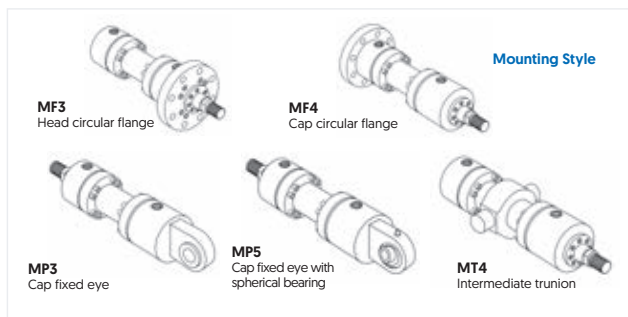
- Power units
- Lubrication systems
- Marine cranes
- Presses
- Wind power



**Special versions also available for Marine and ATEX applications.**

## How to order ISO Cylinders

50	C	MF3 <sup>1</sup>	MMA	R <sup>2</sup>	N	S	1
Bore Size in mm	Cushion Head	Mounting Style	Series	Ports	Gland & Piston Type	Special features	Piston Rod Number
<b>Bore Ø</b>	<b>Description</b>	<b>Description</b>	<b>Description</b>	<b>Description</b>	<b>Description</b>	<b>Description</b>	
50	C Cushion head	MF3 Head circular flange	MMA Roundline mill type 250 bar	R BSP parallel	N Standard	S Oversized ports	
63	- No cushion	MF4 Cap circular flange	HMI Metric tie rod 210 bar (ISO 6020/2)	M Metric to DIN 3852	F Low friction	S Special Seals	
80		MP3 Cap fixed eye	HMD Metric tie rod 210 bar (DIN 24554)	P Flange ports to ISO 6162	LL Chevron	S Stop tube	
100		MP5 Cap fixed eye with spherical bearing		Y Metric to ISO 6149	A Load holding	or to customer spec	
125		MT4 Intermediate trunion			E Special designs		
1401							
160							
1801							
200							
250							
320							



Bore Ø	Rod No.	MM Rod Ø	Bore Ø	Rod No.	MM Rod Ø
50	1	32	160	1	100
	2	36		2	110
63	1	40	180 <sup>1</sup>	1	110
	2	45		2	125
80	1	50	200	1	125
	2	56		2	140
100	1	63	250	1	160
	2	70		2	180
125	1	80	320	1	200
	2	90		2	220
140 <sup>1</sup>	1	90			
	2	100			

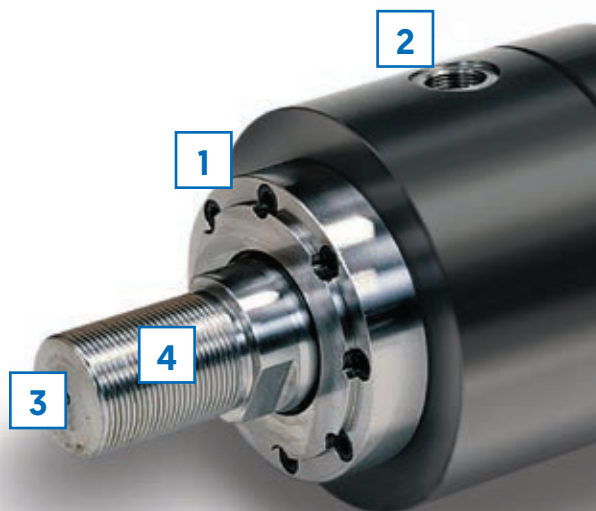
### NEED TO FIND A CYLINDER QUICKLY?

Why not give the **Parker One-Click Configurator** a try for:



- General 3D and 2D CAD drawings
- Quick part references
- Fast pricing
- Improved lead-times

<https://ph.parker.com/gb/en/hydraulic-cylinders>





**1**<sup>3</sup>

**Piston Rod End**

Description	
<b>4</b>	Style 4
<b>9</b>	Style 9
<b>3</b>	Style 3 [special] supply drawing or description

**1**<sup>4</sup>

**Rod Thread**

Description	
<b>C</b>	Cushion cap
-	

**C**

**Cushion Cap**

**1**

**Net Stroke**

Description	
Customer to advise	

**M**

**Fluid Medium**

Description	
<b>M</b>	Group 1 - NBR, PTFE, AU
<b>C</b>	Group 2 - NBR, PTFE
<b>D</b>	Group 5 - FPM, PTFE
<b>A1</b>	Group 6 - Various (95/5 HFA)
<b>B</b>	Group 7 - Various (60/40HFB)

**1**

**Port Positions**

Description	
<b>1</b>	Head position 1-4
<b>1</b>	Cap position 1-4

**00**

**Air Bleeds**

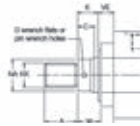
Description	
<b>4</b>	Head position 1-4
<b>4</b>	Cap position 1-4
<b>00</b>	No air bleeds

**Piston Rod End**

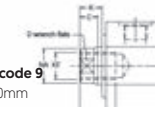
**Rod end code 4**  
Bore Ø 50mm  
-100mm



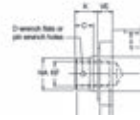
**Rod end code 4**  
Bore Ø 50mm  
-100mm



**Rod end code 9**  
Bore Ø 50mm  
-100mm



**Rod end code 9**  
Bore Ø 50mm  
-100mm



Bore Ø	Thread	Bore Ø	Rod No.
50	M27x2	160	M80x3
63	M33x2	180 <sup>1</sup>	M90x3
80	M42x2	200	M100x3
100	M48x2	250	M125x4
125	M64x2	320	M160x4
140 <sup>1</sup>	M72x3		



- Required for base cylinder
- Indicate optional features or leave blank



**POWERFUL SOLUTIONS. GLOBAL FORCE.**

Enerpac is a global market leader in high pressure hydraulic tools, controlled force products and solutions for precise positioning of heavy loads. We manufacture products, from the smallest hydraulic cylinder to complete computer-operated lifting and positioning systems.

Our focus is to provide our customers with the most extensive line of products and accessories that maximize force to increase productivity and make work safer and easier to perform.

## **TOOLS AND SOLUTIONS FOR ALL INDUSTRIES**

- Cylinders & Lifting Products
- Hydraulic Pumps
- Valves
- System Components
- Presses
- Pullers
- Tools

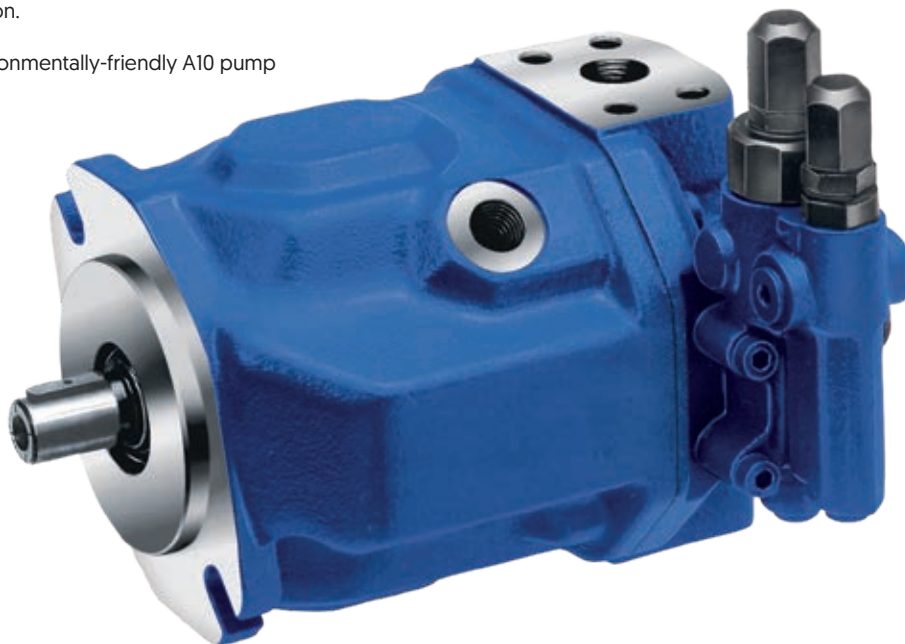


## Back to New Service

### The cost effective exchange programme for your A10 pumps

Bosch Rexroth is the only company that can repair and replace Rexroth products back to the original specification.

Brand new from Bosch Rexroth, an environmentally-friendly A10 pump service exchange programme.



### Can you afford unplanned and expensive downtime?

#### You will receive:

- Fixed price up front so you know exactly what you are paying
- Free collection service of your old pump saving you valuable time, effort and money
- Service exchange items available from stock
- An "as new" 12 month manufacturers warranty
- 3-5 day turnaround service

#### Benefits:

- Prevention of repeat repairs
- Reduction of downtime
- All parts are fully tested and adjusted to Bosch Rexroth settings
- Increase in productivity

Whether you need spare parts, onsite or field service support, product training, a system health check or you simply want to talk through your service issues, don't take the risk.

### We Can:

- Help save you expensive downtime
- Help reduce your machinery failure
- Provide a full warranty

#### Price List

A10 PUMP TYPE	SIZE	PRICE
A10VSO 18	18	£721.43
A10VSO 28	28	£764.29
A10VSO 45	45	£861.43
A10VSO 71	71	£960.00
A10VSO 100	100	£1,151.00
A10VSO 140	140	£1,349.00

# FIRST CLASS SERVICE WORLD CLASS FILTERS

FOOD & BEVERAGE APPLICATIONS



## AMAZON FILTERS LTD.

Consistent filtration performance developed specifically for the Food & Beverage industry

### FILTERS DESIGNED FOR:

- Sterile filtration
- Trap filtration
- Particulate control
- Bioburden reduction
- Cryptosporidium removal



Reducing Costs



Improving Processes

FILTRATION SPECIALISTS



# When water can KILL

## Amazon Filters has the answer

Cryptosporidium is a potentially fatal parasite that can be found in water systems. Symptoms include severe diarrhoea, lasting up to two weeks in healthy adults. For the young, elderly and immunocompromised, the condition can be more serious!

Water is used in food and beverage production for product make-up, for rinsing food (such as salads) and for washing equipment. If a food and beverage producer supplies contaminated product, the legal and financial consequences - not to mention damage to brand reputation - can be extremely serious.

Therefore, it is not surprising that many are now introducing cryptosporidium filter control into their process operations.

Amazon Filters provide two filter cartridges that are specifically designed and qualified for cryptosporidium removal:

- **SupaSpun II** depth filter
- **SupaPleat II** pleated filter.



### SupaSpun II & SupaPleat II

#### Features & Benefits

- Absolute removal ratings for consistent and reliable performance
- Graded density structure for maximum dirt holding capacity
- Increased void volume giving high flow rates and low initial pressure losses
- Thermal bonding process minimises media migration and ensures minimal extractables
- Cryptosporidium grade (CRY) with typical  $10^4$  log reduction value for use in food and beverage applications
- Batch traceability



## Give your HEPA filters the full belt and braces

### **HEPA FILTERS TESTED TO YOUR STANDARDS**

You can't take any chances with HEPA filters – a failure could be catastrophic. That's why we've invested in a new, semi-automated test rig that can test to all relevant ISO and EN standards, and beyond. You can choose between three levels of testing – from a fully-traceable data report to an iron-clad certificate of quality – or request a custom test of your own.

### **WITH INDUSTRY-LEADING LEAD TIMES**

Alongside the test rig is a new pleating machine. Not only does this machine pleat at a variety of heights, widths and distances, it's also fast. So, we can now offer industry-leading lead times across a number of filter sizes, types and efficiencies. And with new pleat orientation improving pressure drop by 15-20%, you can have higher performance and greater assurance in an average of just five days.

[airfiltration.mann-hummel.com](http://airfiltration.mann-hummel.com)

Leadership in Filtration

**MANN+**  
**HUMMEL**

## Panel and Bag Filters

**MANN+  
HUMMEL**

MANN+HUMMEL filters are designed to provide maximum value and performance in HVAC, industrial and clean room applications. Ranging from panel pre-filters through bags to final compact filters, a wide range of sizes and configurations are available. The products detailed here are our most popular sizes.



### Airpanel Select Pleated Panel Filters

Most commonly used as a pre-filter to finer grade filters (bag and rigid bag filters). Suitable for a very broad range of applications, but is commonly employed in environments such as hospitals, food and beverage production areas and installations where glass media is prohibited. Available in all cross sectional sizes; 22, 47 and 98mm depth as standard in card or metal case.

#### Airpanel Select Pleated Synthetic Panel Filter – Rated to ePM Coarse 65% to 70%

PART NO	HEIGHT	WIDTH	DEPTH	BOX QTY
800220014389	596mm [24"]	596mm [24"]	47mm [2"]	10
800220016699	496mm [20"]	395mm [16"]	47mm [2"]	10
800220016698	496mm [20"]	496mm [20"]	47mm [2"]	10
800220014387	596mm [24"]	287mm [12"]	47mm [2"]	20
800220014388	596mm [24"]	496mm [20"]	47mm [2"]	10

Please note that these items are sold in box quantities only.

PART NO	HEIGHT	WIDTH	DEPTH	BOX QTY
800220015251	596mm [24"]	596mm [24"]	98mm [4"]	5
800220014026	496mm [20"]	395mm [16"]	98mm [4"]	5
800220014025	496mm [20"]	496mm [20"]	98mm [4"]	5
800220014005	596mm [24"]	287mm [12"]	98mm [4"]	10
800220015240	596mm [24"]	496mm [20"]	98mm [4"]	5



### Airpocket Select Bag Filters

With a 20 or 25mm deep plastic or metal frame, these ultrasonically-sealed bag filters are designed for use in general air conditioning equipment and computer rooms. Available in ePM2.5 and ePM1 grades and in all cross sectional sizes. Speak to us about our Airpocket Eco Long-life Bag Filters.

#### Airpocket Select Bag filters, 8/4 pocket rated to ePM1 50%

PART NO	POCKETS	HEIGHT	WIDTH	DEPTH	BOX QTY
800335025221	8	592mm [24"]	592mm [24"]	635mm [25"]	5
800335025308	8	592mm [24"]	592mm [24"]	535mm [20"]	5
800335025481	8	592mm [24"]	592mm [24"]	380mm [15"]	5
800335025224	4	592mm [24"]	287mm [12"]	635mm [25"]	8
800335025312	4	592mm [24"]	287mm [12"]	535mm [20"]	10
800335025484	4	592mm [24"]	287mm [12"]	380mm [15"]	9



### Aircube Select Rigid Filter

With 20 or 25mm deep plastic frames, these compact filters are suitable for high air volumes or where long filter life is required. Available in various ePM1 grades and in 592x592, 490x592 and 287x592mm sizes

#### Rigid bag filters, rated to ePM2.5 and ePM1 grades

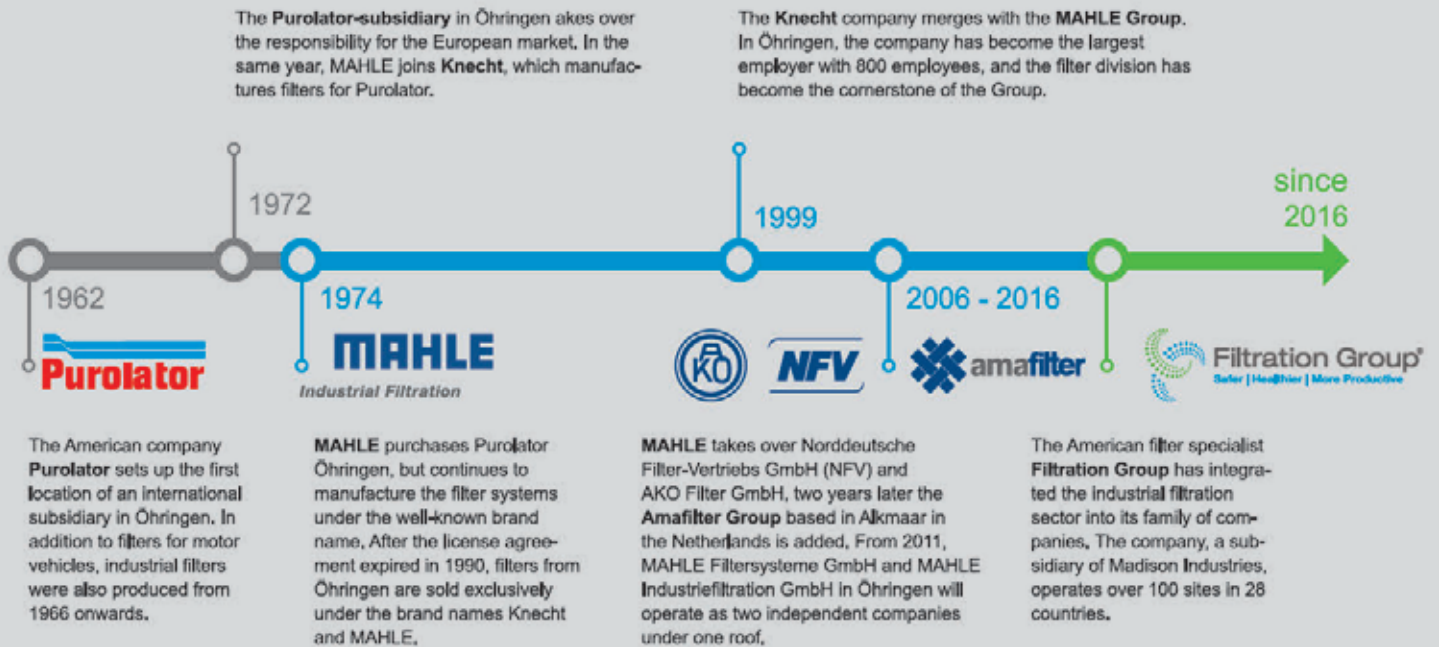
PART NO	HEIGHT	WIDTH	DEPTH	BOX QTY
800416055555	592mm [24"]	592mm [24"]	292mm [12"]	1
800416055556	592mm [24"]	490mm [20"]	292mm [12"]	1
800416055557	592mm [24"]	287mm [12"]	292mm [12"]	2

## OUR HISTORY

Decades of experience and the bundled expertise at a production site characterise the quality feature of the products of today's Filtration Group GmbH. A wide range of high-quality products in the field of filter technology has been developed under various names.

## CONCENTRATED EXPERIENCE FROM MORE THAN 500 YEARS

The Filtration Group combines the expertise and experience of highly specialized companies to create a lexicon of expertise that is unique in this industry sector. If you add up the years in which the individual companies of the Filtration Group Industrial have developed an enormous wealth of innovative products, you get a wealth of experience from half a millennium.



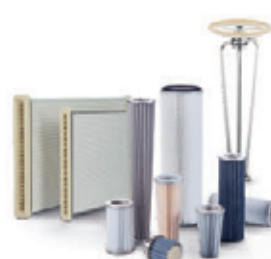
## OUR SOLUTIONS FOR A SAFER, HEALTHIER AND MORE PRODUCTIVE WORLD



**Hydraulic Filtration -**  
quality that turns movement into progress



**Automatic & Process Filtration -**  
precision in continuous operation



**Air Filtration -**  
higher performance for pure air



**Separation -**  
solutions that separate you from the rest



# 80%\*

of component failure  
is due to system  
contamination

## Flexion™

\*Figures based on ERIKS own research

## If you fail to take avoidance procedures this can result in catastrophic failure.

You can resolve major contamination issues and reduce unexpected downtime and systems failure by employing a really simple and cost effective approach.

ERIKS UK has been offering services and support in the field of "Oil Cleanliness Management" for over 10 years. We offer customers several levels of support depending on the requirement, which also includes onsite technical support.

### In brief, these comprise of:

- An ERIKS branded oil sampling kit and laboratory analysis
- ERIKS Application Engineer "Patch Test" report
- Onsite analysis via particle counter and water sensor
- Equipment hire fleet - filtration trolleys, purifier and diagnostic equipment
- We also have access to a range of PALL equipment

### Condition Monitoring

Using Condition Monitoring you can determine the health of your machinery and even better predict when your machinery will require maintenance.

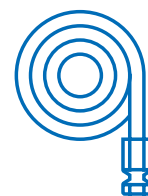
To ensure you have the best technology available to help your maintenance needs, contact ERIKS for:

- Dedicated Condition Monitoring Business Unit
- In-house nationwide network of ISO 18436 certified
- In-house oil analysis facilities
- Online condition monitoring
- Team of technical Application Engineers



## Benefit from:

- Reduction of component repairs/ replacement
- Reduce downtime and increase your production
- Reduction in energy use due to less pressure drop
- Increasing lifetime of your products reduces TCO
- Spares stock reduction
- Online reporting/condition monitoring – central report location, paperless and secure



# Oil Cleanliness

## Expert analysis and interpretation

With critical machine failure costing thousands in lost production, can you really afford for your oil to be contaminated?

Provide ERIKS with a sample of your hydraulic system oil, and our experienced Application Engineers will provide you with a detailed analysis covering:

- Confirmation of ISO cleanliness code and Micron rating
- Interpretation of contaminants
- Solutions to the problems indicated



Call 0121 508 6000 or visit  
[eriks.co.uk](https://eriks.co.uk)

Let's make industry work better

**ERIKS**



# FLOW CONTROL

ERIKS Flow Control has the know-how to ensure your plant continuously runs at its most efficient, keeping expensive downtime to a minimum.

Where you need a solution for your pumps or valves, we have the engineering capabilities and technical expertise you can rely on.



## QUICK MANUFACTURER REFERENCE

					
200, 207	201	202-203	204-206	208-209	211

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212	215-216, 218-219	217	220	221	222	223

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225	228-229	230	231-234, 238-239	240	241	242

## QUICK PRODUCT REFERENCE

Tube Exchangers	200	Progressive Cavity Pumps	212	PVC, Suction & Delivery Hose	228
Chemical Pumps	201	Pumps, Valves,		Hose Clips	230
Pumps & IE5 Motors	203	Heat Exchangers & Tank Equipment	213	Rubber & Steam Hose	231
Submersible Pumps	204	Partner Brands	215	Metal Hose	233
Petrol Driven Pumps & Generators	206	Ball Valves	216	Camlocks	235
Lobe Pumps	207	Gate, Globe, Check & Butterfly Valves	218	Bellows	236
Diaphragm Pumps	208	Fluid Control Systems	221	Industrial Hose	238
Metering, Dosing & Industrial Pumps	210	Plumbing & Flow Control Solutions	223	General Purpose Hose	240
Smart Peristaltic Pumps	211	HVAC Products	225	Hose Reels	241
		Commodity Hose	226		

# WE MAKE FLOW CONTROL BETTER

## SOLUTIONS FOR YOU

Flow Control is a crucial element in the efficient operation of plant and processes.

At our three regionally located Flow Technology Centres, you can expect to find the solutions and products to meet all your requirements for:

- Valves
- Actuation
- Pumps
- Instrumentation



### VALVES AND ACTUATION

One of the UK's largest stock-holdings, supplemented by in-house customisation, automation and manufacturing capabilities. We can meet your needs off the shelf or with solutions engineered to bespoke specifications – from one-off replacements to complete projects.



### PUMPS

We work in partnership with leading names in the industry, to supply the full spectrum of pump types. We can also offer auditing, reverse engineering, design and installation, to help minimise costs and downtime.



### INSTRUMENTATION

Whether you need gauges, transducers, flow meters or other ancillary instrumentation components for your system, our Flow Technology Centre can advise and supply.



### INDUSTRIAL HOSE

From our extensive stock, we can supply full kits for hose installations and upgrades, supported by technical know-how, engineering capacity and project management if required.

## THE MOT FOR YOUR PRESSURE SYSTEM

ERIKS offer a wide range of pressure system valve repair, test and certification services, from the purpose-built ERIKS Flow Control facility. Like an MOT for your car, they'll keep you safe and legal.

Services include:

- Nitrogen and water SRV/PRV testing
- Installation and support
- Repairs and modifications
- Asset logging
- Training



## PROCESS SOLUTIONS

Our state-of-the-art facility enables us to offer complete turnkey solutions. We have the capabilities to specify, build and design bespoke systems.

Services include:

- Batch blending formulation systems
- Automated dosing and filtration systems
- In-line dilution batching systems
- Clean-In-Place (CIP) systems
- NPE Filling systems



# MORE THAN THE SUM OF THE PARTS



### MORE CAPABILITIES

Our purpose-built facility in Whetstone, Leicester, offers a comprehensive range of valve capabilities under one roof:

- Testing
- Repair
- Certification
- In-house fabrication and system-building



### MORE SUPPORT

We can provide support for your flow control system for the whole of its lifecycle, across all its requirements.

- Design, build and commission
- Upgrade
- Reverse engineering
- Energy and asset management



### MORE KNOW-HOW

Our unique perspective and understanding of your whole system and the processes you run, enables us to provide more wide-ranging solutions. We not only specify, install, commission, maintain, repair and replace the products we stock. We can also identify issues with related components, which may affect the efficiency of your flow control.

# HOW WE MAKE FLOW CONTROL BETTER

## MANAGING YOUR REQUIREMENTS FROM CONCEPT TO COMPLETION

Three things have continuously flowed from our Technology Centres over the past 25 years, helping to ensure optimum efficiency with minimum downtime:

- Reliable supply
- Unrivalled technical knowledge
- Excellent customer service

From our in-house actuation centre, to our state-of-the-art pump repair facility, thanks to our dedicated team of experienced Project Engineers, we offer an unrivalled level of service, stock and specialist expertise, helping us to manage your requirements right from concept to completion.





## THE SERVICES YOU EXPECT

### Application Engineering

Our experienced team of Application Engineers are on hand to assist you in ensuring your systems continuously run at their optimum efficiency.

### Flow Performance Testing

We can visit your site and assess your system and test the performance of your existing pumps. Where required, we can recommend repair, replace and upgrade options.

### Onsite Monitoring

Our asset care team has the capability to monitor the health and performance of your pumps, allowing you to take them out of service before any critical failures occur.

### Obsolescence Support

Even if your pump is obsolete or there's no spare parts available, we have the capability to reverse engineer components, getting your production line back in action in the shortest time possible.

### Pump Auditing

We can assist if your plant suffers from the following:

- Significant throttling and high vibration
- Large flow or pressure variations
- Pumps not adjusting to changing conditions
- Cavitating pumps
- Excessive noise
- Oversizing or burnt out motors

### Repair, Replace and Upgrade

Ensuring your system is running at its optimum level at all times is vital, but with this comes a demand for on-going repairs, maintenance and timely upgrades. Our team of highly trained technicians can provide these, returning your system to its peak performance and extending its lifecycle.

### Bespoke Design Solutions

Our extensive knowledge of valves instrumentation and pumps, coupled with in-house CAD design expertise, means we're well-versed to provide complete turnkey solutions.

### Valves Services

- Seal and seat changes
- Actuation and control
- Pressure testing
- Special finishes and painting
- Tagging

### Pumps Services

- Seal modification
- Material upgrades
- Long coupled pump set builds
- Internal coatings

# Xylem

A full range of gasketed, brazed plate and shell and tube exchangers made by Xylem in the USA.

For markets including Marine, aquaculture, food/ drink, pharma, industry and building services.

## Range Overview

- High efficiency design with superior heat transfer.
- Xylem is a leading water technology provider with brands such as Lowara, Flygt, Jabsco, Sensus and Wedeco
- Many types of high efficiency pumps and equipment including end suction centrifugal, multistage, split case, in line, packaged booster sets, submersible, borehole, lobe and positive displacement, VSD drives, UV and Ozone, heat exchangers, water meters and flow meters.
- Serving key markets such as Industry and Processing, Municipal Water, OEM, Building Services and Residential, Agricultural and Landscaping, Food and Pharma.
- Xylem UV and Ozone systems for Residential, Commercial, Industrial and Process Applications
- Key markets include Food & Beverage [ including Dairy, Bottle Washing & Fruit & Vegetable Washing], Pharmaceutical, Water Recirculation loops, CIP, Water Reuse, Sanitization of incoming water/Disinfection of Waste Water and Cooling Tower applications
- Reduces chemical consumption and chemical handling. Environmentally friendly, does not form any Disinfection By Products (DBP's) and does not affecting product quality.





## MUNSCH Chemical Pumps

MUNSCH Chemical pumps are non-metallic and designed for maximum operating reliability, easy maintenance and lowest lifecycle cost to operate in abrasive and corrosive service conditions.

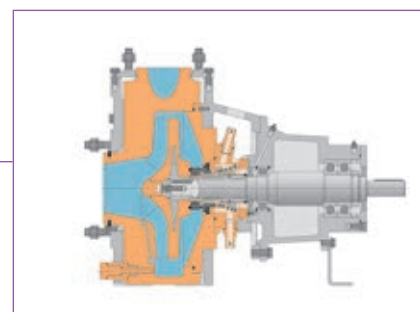
Every pump is designed exactly to customer's specification and tested to EN ISO 9906 standards before it leaves the factory. Dedicated assembly engineers take full responsibility for the complete assembly of each of their assigned pumps, which results in shorter delivery times and increased quality.

Munsch pumps are available in a variety of materials specifically suited to the liquid being used in the application.

On request all pumps are available to be supplied with conformance to EU directive 94/9/EC for use in hazardous areas.

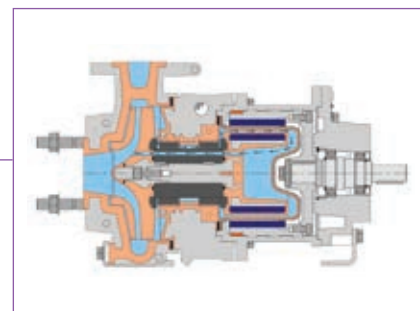
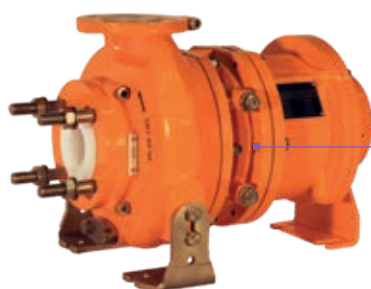
### NP/NP-B Series Standardised Chemical Pumps to EN 22858/ISO2858

- Capacity up to 1200 m<sup>3</sup>/h
- Differential head up to 85 (m)
- Temperature range: -20°C up to +110°C
- Unique mechanical seal design specialised for the individual requirements



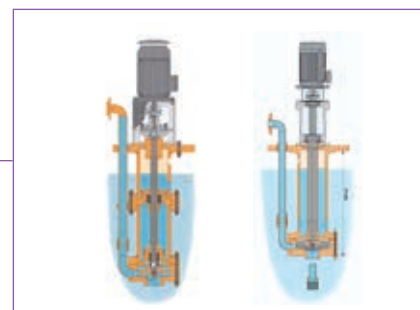
### CM/CM-B Series Standardised Chemical Pumps to EN 22858/ISO2858

- Capacity up to 180 m<sup>3</sup>/h
- Differential head up to 85 (m)
- Temperature range: -20°C up to +180°C



### Vertical Chemical Pumps in Cantilever design (dry-running proof) or with plain bearing

- Capacity up to 700 (m<sup>3</sup>/h)
- Head up to 90 (m)
- Length up to 3000 (mm)
- With suction pipe or strainer if required
- Temperature range: -20°C up to 100°C



# INDUSTRIAL SOLUTIONS

## PUMPS & SYSTEMS FOR INDUSTRIAL APPLICATIONS



For more information  
scan the QR code or go to  
[www.grundfos.co.uk/industry](http://www.grundfos.co.uk/industry)



**MAGNA1/MAGNA3**  
High Efficiency Glandless Circulators



**TP**  
In-line Industrial Circulators



**NB(G) & NK(G)**  
EN733 and ISO2858 End Suction Pumps



**CM**  
Horizontal Multistage Pumps



**CR**  
Vertical In-line Multistage Pumps



**SE/SL FEATURING S-TUBE IMPELLER**  
Submersible Waste Water Pumps



**SMART DIGITAL**  
Digital Dosing Pumps



**HYDRO MPC-E**  
One of a range of packaged booster sets



**GRUNDFOS GO REMOTE**  
Smartphone app & wireless transceiver for  
easy set up, diagnostics & reporting



Particularly in replacement situations, Grundfos understands that sometimes fast delivery is essential. This is why it has invested in stock and systems to create its Fast Track express delivery scheme.

Now available on selected models of boosters, borehole, and end suction (NB(G) and NK(G)) pumps, with deliveries as fast as next day.

**Call your sales manager / office for more details.**

be  
think  
innovate

**GRUNDFOS**

[www.grundfos.co.uk](http://www.grundfos.co.uk)

# Grundfos Pumps

## Smart Digital Dosing Pumps

### DDI, DME

- Accuracy: Industry-leading accuracy confirmed by independent study
- Durability: Diaphragm resistant to virtually all chemicals; pump housing IP65/NEMA4X certified
- Reliability: Industry-leading service intervals
- No vapour lock: De-aeration features enable continuous dosing of gassing chemicals
- High viscosity dosing: Handles liquids with viscosities up to 3000 mPas
- Watching your system: Advanced monitoring and self-analysis features
- Any application, anywhere: Any supply voltage, flexible mounting options, and a wide selection of accessories and service kits
- Easy to operate: Intuitive user interface and easy set-up



## HYDRO MPC-E

Turnkey booster system with CR(I)(E) pumps for transfer and pressure boosting of water in buildings.

- Fully flexible control system
- Low energy consumption
- 2-6 pumps in cascade
- Easy installation
- Plug and pump solution no extra programming or cabling required
- Large user-friendly display
- Energy-optimised control
- Data communication
- Perfect constant pressure
- Application-optimised software
- Custom built solutions available
- Reduced noise level
- Space-saving installation – no need for control cabinets
- WRAS approved product



## Multistage Centrifugal Pumps

### CR(E), CR(I)(E), CRN(E)

(E version is electronically controlled)

- Reliability
- High efficiency
- In-line design
- Extensive range
- Service-friendly
- Space-saving
- Superior dry-running protection
- Suitable for slightly aggressive liquids
- E range for high efficiency



## End Suction Pumps

### NB(G), NK(G)

- Standard dimensions according to EN and ISO standards
- Compact design
- Flexible pump range
- EN 12756 shaft seal
- Various shaft seals options
- Cast iron, bronze or stainless steel impeller options
- Cast iron or stainless steel pump housing options



## IE5 Motors

Featured on the latest hydro booster sets and TPE, CRE, CME and NBE models, the Grundfos MGE motor with IE5 efficiency is one of the world's most efficient motors.

Selecting a pump with these motors incorporated can mean 10% energy and up to 25% reduction in payback time.



## Submersible Pumps

Tsurumi Manufacturing Company of Japan manufacture a wide range of submersible pumps for use in the toughest of applications found in construction site dewatering, quarries and processing.

Their growing reputation has been formed by integrating advance designs with high grade materials to produce pumps with excellent durability and versatility. In many cases, Tsurumi pumps are selected and work reliably, with minimal maintenance, in applications where other brands have previously failed to keep up with the duty. Hence, all Tsurumi submersible pumps carry a 3 year guarantee.



### The Tsurumi drainage pump range includes:

- Single phase drainage pumps: series LB, HS, LSC
- Three phase drainage pumps: series KTV(E), KTZ(E), KRS
- Three phase high-head pumps: series LH(W), LH
- Three phase sand and slurry pumps: series KTV2, KTD, NKZ, KRS2, GPN
- One phase and three phase chemical pumps: Series SFQ

### LB, HS and LSC Series

Portable single phase submersible drainage pumps. Heavy duty with excellent wear resistance. LSC will pump water levels down to 1mm.

- Pressed steel or aluminium and cast iron outer construction
- Urethane rubber impeller
- Double mechanical seal
- Internal motor protection
- Available with or without level control

SERIES	OUTLET SIZES (MM)	MOTOR SIZES (KW)	FLOW RANGE (LPM)	HEAD RANGE (MTRS)	SOLIDS (MM)	MOTOR/RPM
LB/HS/LSC	25-80	0.48 - 1.50	205 - 420	11 - 18	6-7	2 pole - 2850



### KTZ(E) and KTV(E) Series

Portable three phase submersible drainage pumps. Heavy duty with excellent wear resistance and performance in seepage conditions.

- Cast iron or cast aluminium and pressed steel outer construction
- Ductile iron impeller (KTV 0.75kW urethane rubber)
- Cast iron or rubber pump chamber
- Double mechanical seal
- Internal overloads
- Available as manual start or with probe level sensor [KTVE and KTZE]

SERIES	OUTLET SIZES (MM)	MOTOR SIZES (KW)	FLOW RANGE (LPM)	HEAD RANGE (MTRS)	SOLIDS (MM)	MOTOR/RPM
KTZ(E)/KTV(E)	50 - 150	0.75 - 11.0	320 - 2,440	14 - 49	6 - 20	2 pole - 2850



### KRS Series

Three phase submersible drainage pumps. Heavy duty, high volume pumps with 4 pole motors for increased wear resistance and performance in seepage conditions.

- Cast iron outer construction
- Ductile iron impellers
- Cast-iron pump chamber
- Double mechanical seal
- Internal overloads

SERIES	OUTLET SIZES (MM)	MOTOR SIZES (KW)	FLOW RANGE (LPM)	HEAD RANGE (MTRS)	SOLIDS (MM)	MOTOR/RPM
KRS	100 - 250	3 - 22	1,820 - 12,000	8 - 34	12 - 30	4 pole - 14



**OBART**  
PUMPING SOLUTIONS

## LH(W) and LH Series

Three phase submersible drainage pumps. Heavy duty, high head pumps incorporating a narrow base area with excellent wear resistance and performance in seepage conditions

- Cast iron outer construction
- Chromium iron impellers
- Double mechanical seal
- Internal overloads

SERIES	OUTLET SIZES (MM)	MOTOR SIZES (KW)	FLOW RANGE (LPM)	HEAD RANGE (MTRS)	SOLIDS (MM)	MOTOR/RPM
LH(W)/LH	50 - 200	3 - 110	600 - 6,500	39 - 216	6 - 20	2 pole - 2850

## KTD and KTV2 Series

Portable three phase submersible slurry pumps with agitators. Heavy duty and compact, with excellent wear resistance and performance when pumping slurry, sand, silt etc.

- Grey cast iron or aluminium and pressed steel outer construction
- Chromium iron impeller and agitator
- Grey cast iron rubber pump chamber
- Double mechanical seal
- Internal overloads
- Available as manual start or automatic

SERIES	OUTLET SIZES (MM)	MOTOR SIZES (KW)	FLOW RANGE (LPM)	HEAD RANGE (MTRS)	SOLIDS (MM)	MOTOR/RPM
KTD/KTV2	50 - 80	2.0 - 3.0	425 - 800	20 - 23	8.5 - 10	2 pole - 2850



## KRS2, NKZ and GPN Series

Three phase submersible slurry pumps with agitators. Heavy duty, high volume pumps with 4 pole motors for increased wear resistance and performance when pumping slurry, sand, bentonite etc.

- Cast iron and steel outer construction
- Impellers: KRS2: 2.2kW to 3.7kW ductile iron, KRS2: 5.5 kW to 11kW & all NKZ models: chromium
- Grey cast iron pump chamber and casing
- Double mechanical seal
- Internal overloads

SERIES	OUTLET SIZES (MM)	MOTOR SIZES (KW)	FLOW RANGE (LPM)	HEAD RANGE (MTRS)	SOLIDS (MM)	MOTOR/RPM
KRS2/NKZ/GPN	80 - 150	2.2 - 22.0	930 - 5,000	12.6 - 34.0	20 - 30	4 pole - 1450



## SFQ

Submersible pumps constructed in 316 grade (1.4436) cast stainless steel for industrial pumping of salt-water and chemicals.

- Cast stainless steel
- Pressed stainless steel strainer
- Double mechanical seal
- Internal overloads
- Three phase only

SERIES	OUTLET SIZES (MM)	MOTOR SIZES (KW)	FLOW RANGE (LPM)	HEAD RANGE (MTRS)	SOLIDS (MM)	MOTOR/RPM
SFQ	80	1.5 - 3.7	645 - 1,180	21.0 - 24.6	6 - 15	2 pole - 2850




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## Petrol Driven Pumps

The Honda "WX-WB" and Tsurumi "TE" range of centrifugal, self-priming pumps all have Honda OHV 4-stroke petrol engines for the pumping of clean and dirty water. Performance and specifications are virtually identical between these brands - the difference being the price tags.

- 1" models have a carry handle and a neat, compact design for transfer, sprinkling and general pumping
- 2" through to 4" models have easy carry frames for pumping large volumes of water
- Larger models feature the "oil-alert" engine protection system
- All models have rubber feet or rubber engine mounts and are supplied with hose couplings, hose clips and a strainer
- Other associated models are available with diesel engines, larger solids handling, higher pressure, chemical and sea-water resistant and diaphragm operation

MODEL	INLET (MM)	OUTLET (MM)	HONDA ENGINE	OIL ALERT	MAX FLOW (LPM)	MAX HEAD (MTRS)	SOLIDS (MM)	DIMENSIONS (MM)	WEIGHT (KGS)
TEM25	25	25	GX25	NO	140	40	5	215x340x270	5
TE2-100HA	100	100	GX240	YES	1800	28	6	650x470x620	44
WX10	25	25	GX25	NO	142	36	5	220x325x300	8
WB20	50	50	GX120	YES	590	32	6	365x455x420	21
WB30	80	80	GX160	YES	1090	28	6	385x510x455	26



## Generators

The "EU" range of Honda portable generators will provide not only the right power to run lighting, power tools, home and garden appliances, but the clean power to also run sensitive electronic equipment in the great outdoors.

- Advanced ergonomic and lightweight design enables easy lift and carry
- Insulated casing and unique muffler keeps engine noise levels down
- OHV 4-stroke petrol engines are fuel efficient and incorporate automatic decompression to provide easy pull-starting
- Larger models also feature electric start for even easier starting or for mains failure systems
- Eco-throttle automatically adjusts the engine speed to precisely match the load, saving engine life and contributes to quieter operation
- Features Inverter technology
- Can produce 1,000 W to 7,000 W of portable power



MODEL	OUTPUT VOLTAGES	MAX OUTPUT (KW)	RATED OUTPUT (KW)	DC RATED OUTPUT (A)	HONDA ENGINE	STARTING SYSTEM	FUEL CAPACITY (LTRS)	RUN TIME @RATED (HRS)	DB(A) @WORK STATION	DIMENSIONS (CM)	WEIGHT (KG)
EU10i	230AC & 12DC	1.0	0.9	12V/8.0	GXH50	recoil	2.3	3.9	70	45x24x38	13
EU10i	110AC & 12DC	1.0	0.9	12V/8.0	GXH50	recoil	2.3	3.9	70	45x24x38	13
EU22i	230AC & 12DC	2.2	1.8	12V/8.0	GXR120	recoil	3.6	4	71	51x29x43	21
EU30iS	230AC & 12DC	3.0	2.8	12V/12	GX200	recoil + elec	13.0	7.1	74	66x48x57	61
EU70iS	230AC	7.0	5.5	N/A	GX390	recoil + elec	19.2	6.5	75	70x72x85	118



## Jabsco Lobe Pumps: HP and UL Series

With a proven 50 year heritage in Lobe Pump manufacture, Jabsco branded lobe pumps are taking the next step in flexibility and value. The Hy-Line+ (HP Series) and Ultra-Line (UL Series) range of lobe pumps replace the Hy-Line, Ultima and 24 Series lobe pump offering the combined strengths and experience on one key platform.

### Combined strengths and experience on one key platform

Jabsco lobe pumps offer high flow, high pressure capabilities from a positive displacement non-contacting rotary lobe pump package. With applications in food, beverage and bio-pharmaceutical processing sectors, Jabsco lobe pumps can be found decanting, transferring, filling, spraying, dosing a wide range of fluids in many varied environments (including ATEX designated zones).

### Product Range

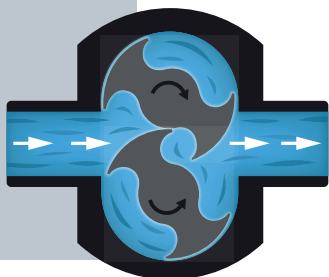
The Jabsco HP/UL range of rotary lobe pumps offers low maintenance solutions to pumping needs in multiple markets including essential industrial, demanding food and beverage and critical bio-pharma. Up to 1809 litres per minute and up to 15 bar from a single robust and effective design principle covered by 5 frame sizes.

Resilient construction materials ensure long pump life even in the toughest of environments. Clever design allows multiple pump variant configuration from one pump size providing the flexibility to meet ever demanding end user lead times and business needs.



## How do they work?

1. Fluid is drawn into the pump and completely fills the space between the rotors.
2. Held between the rotor lobes and the pump case, closed cells of fluid are carried smoothly through the pump.
3. The intermeshing rotor lobes positively displace the fluid volume, generating flow and overcoming the discharge pressure.



### Jabsco Lobe Pump Range overview

- Product Description: High flow, high pressure positive displacement non-contacting rotary lobe pump
- Applications: Industrial, food and beverage, bio-pharmaceutical processing; decanting, transfer, filling, spraying
- Power Source: Shaft coupled electric motor drive (not provided)
- Materials of construction: 316L wetted parts with epoxy coated aluminium gear cover; choice of seals including C/SS, SiC/SiC, single or double with flush; 304 stainless steel mounting feet with synthetic elastomer sealing joints available in Nitrile, EPDM, Viton and PTFE

### Features

- Modular ordering of port kits, foot kits and pumping unit
- Bi-wing Scimitar and tri-lobe rotors on 3A approved HP series
- All 316L wetted part hygienic construction, comprehensive seal arrangements and EN1935:2004 approved elastomer choice
- Simple design; front loading zero contact rotors and shaft seals
- Robust preloaded large diameter shaft taper bearings and Helical gearing
- EHEDG approval on UL models
- Optional all stainless steel construction and USP Class VI elastomers available on selected models

# Diaphragm Pumps



Non-metallic

**Non-Metallic Models**  
Range and Performance



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EXPERT SERIES	EXPERT SERIES	EXPERT SERIES	EXPERT SERIES	PRO SERIES	EXPERT SERIES	PRO SERIES	EXPERT SERIES	PRO SERIES	EXPERT SERIES
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	1/4"	3/8"	1/2"	3/4"	1"	1"	1 1/2"	1 1/2"	2"	2"
--	------	------	------	------	----	----	--------	--------	----	----

1 min. l/min	20	40.1	54.5	56	178	200	378	465	549	696
Max. bar	8.6 bar (125 psi)	6.9 bar (100 psi)	6.9 bar (100 psi)	6.9 bar (100 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)
	1/4" NPT 1/4" BSP	3/8" NPT 3/8" BSP	1/2" NPT 1/2" BSP	3/4" NPT 3/4" BSP	1" NPT 1" BSP 1" ANSI/DIN	1" NPT 1" BSP 1" ANSI/DIN	1 1/2" ANSI/DIN	1 1/2" ANSI/DIN	2" ANSI/DIN	2" ANSI/DIN
	1/4" NPT 1/4" BSP	3/8" NPT 3/8" BSP	1/2" NPT 1/2" BSP	3/4" NPT 3/4" BSP	1" NPT 1" BSP 1" ANSI/DIN	1" NPT 1" BSP 1" ANSI/DIN	1 1/2" ANSI/DIN	1 1/2" ANSI/DIN	2" ANSI/DIN	2" ANSI/DIN
<b>Material</b>	Polypropylene PVDF Groundable acetal	Polypropylene PVDF Groundable acetal	Polypropylene PVDF Groundable acetal	Polypropylene	Polypropylene PVDF	Polypropylene PVDF Conductive polypropylene	Polypropylene PVDF	Polypropylene PVDF Conductive polypropylene	Polypropylene PVDF	Polypropylene PVDF
Max.	1.6 mm	1.6 mm	2.4 mm	2.4 mm	3.2 mm	3.2 mm	6.4 mm	6.4 mm	6.4 mm	6.4 mm
ATEX certified	With wetted parts in groundable acetal	With wetted parts in groundable acetal	With wetted parts in groundable acetal	—	—	With conductive polypropylene motor	—	With conductive polypropylene motor	—	With conductive polypropylene motor





**Metallic Models**  
Range and Performance








EXPERT SERIES	EXPERT SERIES	PRO SERIES	EXPERT SERIES	PRO SERIES	EXPERT SERIES	PRO SERIES	EXPERT SERIES	PRO SERIES	EXPERT SERIES
<b>1/2"</b>	<b>3/4"</b>	<b>1"</b>	<b>1"</b>	<b>1 1/2"</b>	<b>1 1/2"</b>	<b>2"</b>	<b>2"</b>	<b>3"</b>	<b>3"</b>
<b>45.4 l/min</b>	<b>51.5 l/min</b>	<b>133 l/min</b>	<b>197 l/min</b>	<b>340 l/min</b>	<b>465 l/min</b>	<b>651 l/min</b>	<b>651 l/min</b>	<b>897 l/min</b>	<b>1041 l/min</b>
6.9 bar (100 psi)	6.9 bar (100 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)	8.3 bar (120 psi)
1/2" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT	1 1/2" NPT 1 1/2" BSP	2" NPT 2" BSP	2" NPT 2" BSP	3" NPT 3" BSP	3" NPT 3" BSP
1/2" BSP	3/4" BSP	1" BSP	1" BSP	1" BSP	1 1/2" ANSI/DIN	2" ANSI/DIN	2" ANSI/DIN	3" ANSI/DIN	3" ANSI/DIN
1/2" NPT	3/4" NPT	1" NPT	1" NPT	1 1/2" NPT	1 1/2" NPT	2" NPT	2" NPT	3" NPT	3" NPT
1/2" BSP	3/4" BSP	1" BSP	1" BSP	1 1/2" BSP	1 1/2" BSP	2" BSP	2" BSP	3" BSP	3" BSP
					1 1/2" ANSI/DIN		2" ANSI/DIN		
Aluminium Stainless steel	Aluminium	Aluminium Cast iron Stainless steel	Aluminium Cast iron Stainless steel Hastelloy	Aluminium Cast iron Stainless steel	Aluminium Cast iron Stainless steel Hastelloy	Aluminium Cast iron Stainless steel	Aluminium Cast iron Stainless steel Hastelloy	Aluminium Cast iron Stainless steel	Aluminium Cast iron Stainless steel Hastelloy
2.4 mm	2.4 mm	3.2 mm	3.3 mm	6.4 mm	6.4 mm	6.4 mm	6.4 mm	9.5 mm	9.5 mm
All models	All models	All models	With aluminium or stainless steel motor	All models	With aluminium or stainless steel motor	All models	With aluminium or stainless steel motor	All models	With aluminium or stainless steel motor

# Metering & Dosing Pumps

Unique seal-less, positive displacement pumps with multiple, hydraulically balanced diaphragms in a single pump head, for liquid transfer, spraying, filling, blending, cleaning, sampling, injecting, coating, cleaning and mixing.

## Dosing and metering pumps

- Accurate and controllable, virtually pulseless flow
- Long service life with low lifecycle cost
- Can run-dry... Indefinitely
- 100% sealed and safe
- Pumps aggressive and corrosive liquids and abrasives
- Compact size, high performance

	P100	P200	P300	P400	P500	P600
						
<b>Flow Range (l/hr)</b> Safe Environments(1)	1 to 85	1 to 256	1 to 256	5 to 764	10 to 1340	20 to 2800
<b>Max Pressure (bar)</b> Safe Environments(1)	Metallic 103 PP 17 PVDF 24	Metallic 103 PP 17 PVDF 24	172	Metallic 103 PP 17 PVDF 24	172	Metallic 70 PP 17 PVDF 24
<b>Flow Range (l/hr)</b> ATEX/Explosive Environments	Not Available	1 to 90	1 to 90	5 to 294	Not Available	Not Available
<b>Max Pressure (bar)</b> ATEX/Explosive Environments	Not Available	Metallic 100 PP 1 PVDF 24	172	Metallic 100 PP 17 PVDF 24	Not Available	Not Available
<b>Liquid Head Materials</b>	Brass 316L SS Hastelloy Polypropylene PVDF	Brass 316L SS Hastelloy Polypropylene PVDF	Brass 304 SS 316L SS Hastelloy	Brass Cast Iron 316L SS Hastelloy Duplex 2205 S-Duplex 2207 Polypropylene PVDF	Brass 316L SS Duplex 2205	Brass Cast Iron 316L SS Hastelloy Duplex 2205 S-Duplex 2207

	G20	G03	G04	G10 <sup>(3)</sup> & G12 <sup>(1)</sup>	G15 <sup>(3)</sup> & G17 <sup>(2)</sup>	G25 <sup>(3)</sup>	G35 <sup>(3)</sup>
							
<b>Flow Range (l/min)</b>	up to 3.79	up to 11.3	up to 11.3	up to 30.3	up to 50	up to 75.7	up to 140
<b>Max Pressure (bar)</b>	Metallic 103 PP 17 PVDF 24	Metallic 103 PP 17 PVDF 24	172	Metallic 103 PP 17 PVDF 24	172	Metallic 70 PP 17 PVDF 24	103
<b>Liquid Head Materials</b>	Brass 316L SS Hastelloy Polypropylene PVDF	Brass 316L SS Hastelloy Polypropylene PVDF	Brass 304 SS 316L SS Hastelloy	Brass Cast Iron 316L SS Hastelloy Duplex 2205 S-Duplex 2207 Polypropylene PVDF	Brass 316L SS Duplex 2205	Brass Cast Iron 316L SS Hastelloy Duplex 2205 S-Duplex 2207	Cast Iron (Nickel Plated) 316L SS Hastelloy Duplex 2205 S-Duplex 2207

(1) For vertical mounting. Available in Brass, Cast iron (Nickel plated) & 316L SS

(2) For vertical mounting. Available in Brass, Duplex 2205 & 316L SS

(3) API 674 options available

# Prominent Smart Peristaltic Pump

**ProMinent®**

## Smart Digital Dosing Pumps

**DFXa Peristaltic Pump, Feed rate of 10 ml/h to 30 l/h at up to 7 bar back pressure.**

The new DULCO flex Control meters reliably and is simple to operate. It enhances the ProMinent product range with an intelligent peristaltic metering pump. ProMinent is making use of its decades-long experience in the metering pump sector to bring together the best of two worlds. Valve-free metering with the accuracy of a diaphragm metering pump, with full use of the properties of a peristaltic pump. The applications of this metering pump include strongly gaseous, high-viscosity, abrasive, shear-sensitive or chemically aggressive fluids.

- Adjustment of the metering rate directly in l/h or gph
- Simple hose change
- No problems with very gaseous media or air locks
- Suitable for viscosities of up to 200.000mPas.
- Sole contact with media in the hose
- Many different control options, such as using an analogue control systems
- 0/4-20 mA signal, contact controller, timer or via process
- Metering reproducibility:  $\pm 2\%$  with retracted hose (after approx. 200 revolutions)
- Electrical connection: 100 - 230 V  $\pm 10\%$ , 50/60 Hz
- IoT-enabled, can be connected to the DULCOnneX platform
- For all industrial applications, either as a stand-alone unit or integrated in a complete system



### Case Study

Prominent have carried out a number of tests on the DFXa pump and our largest competitors hose pumps to see how we compare to perform against the competitor's closest model, we found the following advantages: -

#### Tube Life

The competitors pump reaches 30 l/h at a higher rpm than the DFXa. This leads to more squeezing and therefore to a shorter tube life.

DFXa will dose 30 l/hr @ 100 SPM

Competitor pump can pump 30 l/h at 125 rpm  $\rightarrow$  25% more crushing  $\rightarrow$  shorter tube life

The DFXa achieves a far better lifetime at low pressures. At higher pressures the lifetimes are comparable.

DFXa achieves a tube lifetime of 2600h at 0 bar and 30l/h

Competitor pump achieves a tube life of 1530h at 0 bar and 30l/h

#### Micro Dosing

The lowest adjustable flow rate for the DFXa and competitor pump are 10 ml/h. Due to the very rough resolution of the competitor pump (10 ml/h steps), it can only be used correctly starting at approx. 100 ml/h. Only from 1 l/h the competitor pump has the same accuracy as the DFXa from 10 ml/h.

DFXa pump: Very fine 0.1 ml/h steps

Competitor pump: Rough 10 ml/h steps. Difficult to set for fine adjustment

#### Control Options

The DFXa has far more bus options than the Competitor pump.

DFXa: manual, contact, batch, analogue, Profibus, CANopen, PROFINET & Modbus

Competitor pump: manual, contact, batch, analogue & profibus

#### Tube Change

With the competitors pump the complete dosing head is changed in case of a tube break. With the DFXa, on the other hand, only the tube has to be changed.

DFXa: Tube change in less than 3 minutes, less costs and resource-saving, as only the tube and not the head is changed.

Competitor pump: Very fast change, but high costs, disposal problems and bad for the environment.

The main advantages of the DFXa as a summary

- DFXa is dosing 30l/h at lower rpm than the competitor pump.
- Far better fine-tuning and more accuracy at low flows
- More BUS options
- 3 configurable IO's
- Life cycle costs of the DFXa are lower thanks to good lifetime of the tubes and cheaper spare parts

# SEEPEX Progressive Cavity Pump Technology and Digital Solutions

**SEEPEX.**  
ALL THINGS FLOW

## CS EHEDG Hygienic Progressive Cavity (PC) Pumps

### BCFH PC Pumps for Highest Product Quality

The BCFH low shear hygienic pumps ensure product quality is maintained and fulfil the stringent demands of cleanliness in the food, beverage, chemical, pharmaceutical and cosmetic industries.

- EHEDG Type EL, Class 1 certification
- Suitable for shear sensitive products with high hygiene requirements
- Residue-free cleaning using CIP systems
- Suitable for food and beverage, pharmaceutical, chemical and cosmetics industries



## Smart Conveying Technology (SCT)

### Increased Efficiency with Patented SCT Technology

Smart Conveying Technology (SCT) provides quick maintenance, significantly reduced life cycle costs and the shortest downtime. Pump performance can be restored through adjustable stators to compensate for wear, extending to more than double the lifetime of the rotor and stator.

- Adjustable stator segments extend stator life by up to 200%
- Reduces maintenance time by up to 85%
- Enables inspection and simplifies maintenance, enabling rotor, stator and mechanical seal to be replaced without pipework removal
- Up to 20% more energy efficient than traditional PC pump designs



## T Range - Open Hopper Progressive Cavity (PC) Pumps

### PC Pumps for Highly Viscous Products

SEEPEX open hopper pumps from the T range handle viscous products with or without entrained solids that have little or no flowability.

- Open hopper and auger feed screw design
- Highly viscous non-flowable products
- High solids handling – up to 45%ds
- Customised solutions for demanding applications. SAI: PC pump in combination with pneumatic conveying technology enables product transfer up to 1000m.
- In situ maintenance without need for pipework removal



## Smart Dosing Pump (SDP) for accurate metering and dosing

The Smart Dosing Pump combines the benefits of progressive cavity pumps with up to date control concepts, enabling extremely accurate metering and dosing.

- Accurate low pulsation linear flow with metering accuracy of  $\pm 1\%$
- Easy implementation of complex dosing in continuous and batch mode
- Cost reduction due to minimal pulsation and high repeatability
- No ball valves to clog when handling products containing solids



## N Range pump – the basis for SEEPEX PC pumps

Standard pumps from the N range are the basis for SEEPEX progressive cavity pumps. They are used in virtually all industries to convey low to highly viscous media with or without solids.

- Discharge pressures up to 96 bar
- High suction lift – up to 9m
- Reversible rotation and flow
- Numerous installation options – vertical, horizontal, etc.



## SEEPEX Digital Solutions

### SEEPEX Service Point App

Simply scan the QR code on the pump nameplate or type in the commission number.

- Download product-specific O&M manual
- Quick and reliable RFQ/ordering for spare parts/replacement pumps
- Direct contact with SEEPEX Service for technical support
- Pump monitoring and connected services solutions



## Centrifugal Pump Range

### LKH range, SolidC, MR, UltraPure

A wide range of centrifugal pumps for a vast range of fluid handling applications designed to meet the hygienic requirements of the dairy, food and beverage industries.

- Suitable for a wide range of fluid flow applications
- Gentle product handling and noise reduction available
- Modular design for compatibility
- Consistent quality, full traceability
- Spares and service package for entire range available



## Rotary Lobe Pump Range

### SRU, SX, SX UltraPure, OptiLobe

Our rotary lobe pumps are designed for low, medium and high-viscosity media and offer gentle pumping action and reliable performance.

- Smooth, low-shear pumping action for gentle handling
- Engineered to provide reliable performance, trouble-free operation and superior energy efficiency for demanding applications
- Premium option available for high purity applications
- EHEDG-approved
- Spares & service package for entire range available



## Butterfly Valves

Our butterfly valves are straightforward on/off routing valves with a substantial opening area and low flow resistance. They are an optimal solution in modern processing technology and ideal for use with low and medium-viscosity liquids.

- Full control & indication units available can fully adaptable to fit almost any hygiene-critical application
- Special flange version of the LKB valve available for ease of accessibility
- Mixproof, Sanitary Ball Valves, Diaphragm valves & many more available



## Single Seat Valves

### LKAP, Unique SSV, SB Mini Flow Valve

Our range of single seat valves consists of large numbers of purpose-designed valve units that are very robust and flexible.

- Robust, reliable and versatile pneumatic single seat valves designed for uninterrupted production in a broad range of hygiene-critical applications
- ATEX variant with certification available for intrinsically safe operation
- Valve bodies, plugs and actuators of these pneumatic control valves can be configured to meet virtually any requirement resulting in cost-effective solutions that meet high standards of hygiene and aseptic compatibility.
- Spares and service package for entire range available



## Heat Exchangers

### Frontline, M-Series, Alfa Nova, CB-Brazed HE, Pharmaline

Our Heat Exchangers provide efficient heat transfer with a small footprint. The units have a flexible design and are easy to service and maintain. The product range is extremely wide, for all heat transfer purposes.

- Easy maintenance and servicing
- Compact design ideal for demanding installations where space is limited
- Spares and service package for entire range available



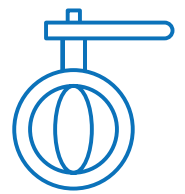
## Tank Equipment

### Rotary Jet Heads, Spray Heads, Spray Balls, Agitators, Top Plates, Sight Glasses, Magnetic Mixers

Designed for marine, hygienic, biotechnology and pharmaceutical applications, our tank optimisation range offers the solution to your tank storage and mixing needs.

- Exceptional cleanability
- Better end product quality
- Wide range of tank accessories and cleaning equipment spares available





# Pump Services repair, replace or upgrade? It's your choice...

We work in partnership with leading names in the industry, to supply the full spectrum of pump types.

We can also offer auditing, reverse engineering, design and installation, to help minimise costs and downtime.

- Design and customised engineering solutions
- On-site installation and maintenance services
- Flexible supply and kitting
- Predictive and preventative maintenance
- Root cause failure analysis
- Impartial repair/replace/upgrade



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[eriks.co.uk](http://eriks.co.uk)

Let's make industry work better

**ERIKS**

## Econ® and Partner Brands

More and more customers are relying on the Econ® brand for their valves and instrumentation. Products that qualify for the Econ® quality mark have been specifically designed to meet the needs of our customers and our sustainability policy.

In addition, ERIKS Flow Control supply a broad selection of 'A' brands from renowned manufacturers covering all industry sectors, ranging from standard products to high quality sustainable and environmentally-friendly products.




### Exclusive to ERIKS



The Econosto Group, part of the ERIKS Group, has been developing quality products since 1892 and its ECON® brand products are manufactured to strictly controlled quality standards whilst offering a cost-effective range to complement other market-leading brands supplied.

Suitable for a wide variety of applications, the Econ® range includes:

- Valves
- Instrumentation
- Related products

### Partner Brands

ERIKS Flow Control strives to offer the widest range of valves currently available and has formed partnership agreements with some of the industries leading manufacturers including:

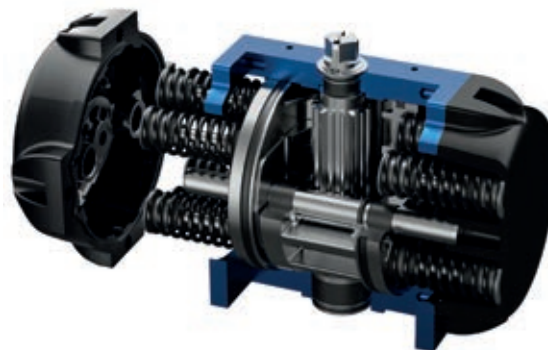
- JC
- SRI
- Vinco
- Stockham
- Valve enterprise
- CMO

## AMG-PESCH

AMG-Pesch manufactures a range of rack and pinion actuators, positioners, monitoring units and valves to strict quality standards.

The patented rod-guide piston design of the actuators ensures drives are maintenance-free, compact and offer high levels of reliability and long service life.

Since early 2011, when AMG-Pesch became part of the ERIKS group, ERIKS Flow Control have been able to offer these actuators to the UK market.



## Ball Valves

Ball valves take a lead role in the valve industry and have wide-ranging applications. The high flow capacity coupled with being simple to automate make ball valves ideal for many applications where an open/close facility is required but not regulating of flow. They can however, be used for regulation with characterised seat/ball combinations.



### General Ball Valves

- 1 and 2 piece in bronze, brass, carbon and stainless steels
- Wafer pattern
- Multi-Port, 3 and 4 way

MATERIAL	TEMPERATURE RANGE
Brass	-20°/+150°C
ST/ST	-34°/+205°C

### 3 Piece Ball Valves

- Stainless and carbon steel (including low temperature options) from stock
- Special alloys available
- 1/4" - 4"
- ANSI 150-2500
- Firesafe
- NACE
- Screwed, weld end and flanged

SIZE	TEMPERATURE RANGE
1/4"-2"	-34°/+205°C



### Flanged Floating Ball Valves

- Cast iron, stainless and carbon steel (including low temperature options) from stock
- Special alloys available
- 1/2"-16"
- ANSI 150-2500 and DIN flanges
- V ball control
- Firesafe
- NACE

- ATEX
- Soft and metal seated
- Cavity relief

SIZE	TEMPERATURE RANGE
1/4"-8"	-10°/+200°C
	-10°/+200°C
	-10°/+200°C
	-10°/+200°C



### Trunnion Mounted Ball Valves

- Low temperature carbon, stainless and Duplex stainless steels from stock special alloys available
- 1/2" - 30"
- ANSI 150-2500. API 3000-15000
- Firesafe
- NACE

- Flanged, screwed, hub and weld ends
- Cryogenic to high temperature
- Metal seats for severe service
- Tandem valves





# Ball Valves

## Floating Ball Valves

JC Valves offers a wide range of Floating Ball Valves designed to provide the best performance for every application.

- Small flow resistance
- Simple structure
- Good sealing performance
- Wide range of seat materials from -196°C up to 343°C
- Cost-effective for certain size and pressure



ASME	DIN
Class 150 – 300 Full & Reduced Bore ½" – 12" (in stock)	PN16 - PN40 Full Bore DN15 to DN200 (in stock)
Class 600 Full & Reduced Bore ½" – 4" (FB in stock)	PN63 – PN100 Full Bore DN15 to DN100
Class 900 – 1500 – 2500 Full & Reduced Bore ½" – 2"	

## 3-piece Forged Ball Valves

The JC 3-piece forged ball valves are designed with excellent mechanical properties, yield strength, ductility, toughness and reliability – used for critical applications.

- Small flow resistance
- Simple structure
- Good sealing performance
- Wide range of seat materials from -196°C up to 343°C
- Cost-effective for certain size and pressure



ASME FORGED
Class 800 – 1500 Full Bore 1/4" – 2"

## Trunnion Ball Valves

The JC Trunnion mounted ball valves are suitable to stand the harsh service conditions often presented in the hydrocarbon industry and in the gas storage and transportation field. In general, they are recommended for tight shut-off in high-pressure and double block and bleed applications.

- Available for all sizes and pressure classes
- Internal Trunnion avoid potential leakage
- Lower operating torque of the ball
- Bi-directional as standard



ASME FORGED	ASME CASTED
Class 150 – 2500 Full & Reduced Bore 2" – 42"	Class 150 – 600 Full Bore 2" – 16"

## Metal Seated Ball Valves

JC offers a large range of metal seated ball valves mainly used for heavy duty applications.

- High temperatures: above 260°C the use of soft seat is not recommended
- Abrasive media: even small particles can damage soft seats
- High speed in opening/ closing cycles: this action can perfectly deform the soft ring and destroy the seat



FLOATING & TRUNNION
Class 150 – 2500 PN16 to PN100 1/2" – 24", DN15 to DN300

## JC Valves Stock

At JC Valves, they hold big quantities in stock of several valve types, ready for fast delivery to all customers worldwide. Their automated warehouse has a capacity for 3750 pallets and is key for storing large numbers of valves, allowing for maximum efficiency in the preparation of orders.

## Quality and Certification

- JC Valves are designed and produced to meet the major international standards.
- ISO 9001 : 2015 certified by BV
- ISO 14001 : 2015 certified by BV
- API 6D & 600 certified by the American Petroleum Institute
- CE Marking (Module H1, Category IV) in accordance with PED 2014/68/EU certified by BV
- TA-Luft and VDI2240
- SIL [Safety Integrity Level] certified by TÜV
- ATEX
- CRN [Canadian Registration Number]
- TR-CU10, TR-CU12 and TR-CU32 certified for Russian market



## Gate, Globe & Check Valves

When process applications are critical, Gate, Globe or Check Valves are used. Manufactured from a variety of materials makes them suitable for all types of media and they can be modified to customer's requirements.

**econ**

### Forged Steel

- A105, LF2, F304, F316, F11, F22 from stock
- Special alloys available
- Various trim options
- ANSI 150-2500
- 1/4" - 2"
- Screwed, flanged and weld-end
- Bolted and welded bonnet
- Bellows, sealed and conventional gland
- NACE



SIZE	TEMPERATURE RANGE
2"-16"	-9°/+500°C 20
ST/ST	-9°/+500°C 51

### Cast

- Cast iron, bronze, low temperature carbon steel and stainless steel from stock
- Special alloys available
- 2" - 72"
- ANSI 150-2500 also API 6A wellhead valves
- Flanged, hub and weld ends
- Wide range of bonnet, gland designs and trim options available



### Wafer and Lugged Check

- Al-Bronze, cast iron, carbon, low temperature carbon and stainless steel from stock
- Special alloys available
- Dual plate, swing and disc type
- 1/2" - 84"
- ANSI 150-2500 and DIN to suit a flanged or hub connection



A full range of testing is available from ERIKS, including:



#### Testing

- PMI testing
- Hydraulic and pneumatic tests
- High pressure gas testing
- Low temperature testing
- Hot oil testing
- Non-destructive examination. Dye penetrant, magnetic particle, radiography, ultrasonic etc.
- Ferritoscope inspection
- Hardness testing
- Paint thickness verification

#### Modifications

- Seat, seal, trim and/or bolt changes
- Special operators
- Full actuation
- Painting and coating
- Fabrication, assemblies and pipe pumps
- Locking and interlocking
- Flange facing and drilling
- Extended spindles and bonnets
- Cleaning
- Special packaging options



## Butterfly Valves

These valves can be used for many applications either as open/close or simple regulating valves. A useful characteristic of butterfly valves is the availability of different lining materials, this allows for uses ranging from non-aggressive media such as water or air through to chemicals and corrosive media.

### High Performance Butterfly Valves

- Carbon steel and stainless steel from stock
- Aluminium-bronze and special alloys available to order
- 2"-24"
- ANSI 150 to 300 (other classes available)
- Wafer, lugged and flanged
- Firesafe certified
- Double and triple offset disc
- Soft and metal seated

### Resilient Seated Valves

- Cast iron from stock
- Carbon steel, bronze, stainless and special alloys available
- 2" - 60"
- PN6 - PN16, ANSI versions available
- Bonded and replaceable liners
- Liners in nitrile, EPDM, viton and PTFE (others available)



## Knife Gate Valves

Knife gate valves are widely been used in pulp or paper industry applications and for handling slurries. They are also used in the offshore sector and are suitable for a wide range of wet or dry media.

Both Uni and bi-directional designs are available, and are ideal where quarter turn valves are unsuitable and can also be fitted with actuators or otherwise modified to suit the customer's application.

### Knife Gate Stock Range

- Cast iron and Stainless steel from stock
- Cast carbon steel and special alloys available
- 2"-24" (DN50-DN600)
- PN10 also ANSI 150
- Wafer Pattern
- Handwheel, lever and Double-acting cylinder
- EPDM, Viton, Nitrile, PTFE or metal seats

### Special Valves

- Sizes up to 40"
- Special flange drilling
- Lugged pattern flanged, square flange
- Double knife, Rubber coated blade
- Bi-directional, Penstocks



## Other valve types

We stock a range of other valves in a wide variety of materials and sizes. If we do not have the item you require in stock we will endeavour to obtain it from one of our global suppliers.

## Butterfly Valves

### 700G Rubber Lined Butterfly Valve

TOMOE have developed the 700G series, a superior, general purpose valve, with the addition of a wide range of features to offer improved performance and better cost efficiency.

The 700G series is designed to satisfy many international flange standards for use worldwide.

- The body is available in various designs such as wafer, semi-lugged and full-lugged, in ductile iron
- Disc available as DAC coated, Stainless steel, Bronze or PPS
- Seat ring available as in EPDM, NBR, FKM, W-NBR, and SEP
- Sizes 40mm to 600mm
- Patented cosine curve seat ring, reducing operating torque allowing torque to be adjusted according to working pressure
- Longer life with spherically designed disc
- Self-aligning stem seal through backup ring



### 847T PFA Lined Butterfly Valve

The unique construction of the chemically-resistant TOMOE 847 Series butterfly valve provides superior strength and sealing properties essential in applications where conditions are potentially hazardous.

- Sizes 2" to 12"
- The upper and lower stem housings have the same length high tension coil springs which provide stable sealing performance in cases of temperature change
- Triple acting sealing mechanism controlled by the balanced spring forces. (250, 300mm: Coned disc springs)
- Stem seal arrangement and the pipe flange seal are totally independent, reducing leakage
- No special gasket is needed due to concentric circular grooves ensuring stable flange sealing performance
- Seamless construction of valve lining ensures complete stability in all conditions



**ERIKS**

# Bürkert Fluid Control Systems



## Type 2000 - Pneumatically operated 2/2 way angle seat valve CLASSIC

The externally piloted angle seat valve is operated with a single or double-acting piston actuator. The actuator is available in two different materials, depending on the ambient temperature. High flow rates are attained with the virtually straight flow path. The reliable self-adjusting packing gland provides high sealing integrity. These maintenance-free and robust valves can be retrofitted with a comprehensive range of accessories for position indication, stroke limitation or manual override.

- Stainless steel or gunmetal housing with sleeve, clamped or welded connection
- Long service life
- High flow rate
- Robust actuators with modular accessory program



## Type 8098 - FLOWave SAW flowmeter

The FLOWave Type 8098 is based on SAW [Surface Acoustic Waves] technology and is mainly designed for applications with the highest hygienic demands. This is achieved by using: suitable stainless steel materials, a measuring tube free of any wetted parts except for the actual tube, the ideal outer hygienic design.

- No obstacles inside the measuring tube, compact, lightweight and low energy consumption
- Conforms to hygienic requirements, CIP/SIP compatible
- Ideal for liquids with low or no conductivity
- Digital communication, parameter setting via communicator, display and Wi-Fi
- Optional: ATEX certification, II 3G/D



## Type 8652 - AirLINE

### The valve island optimised for process automation

The valve island Type 8652 AirLINE has been especially developed for applications in process automation. New diagnostic functions can be visualised at the LC display, both in clear text as well as symbols. This makes it easy to relate to the shown messages and helps to save time during start-up and maintenance. Furthermore the diagnostic message is also available in the control. This therefore enables a fast overview of the plant status.

- Compact design
- Easy diagnostics by LC display
- Process reliability through pneumatic functions
- Optimised for installation at the bottom of the control cabine

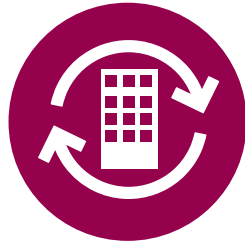


# Think Steam. Think Spirax Sarco.

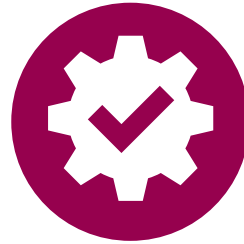
Spirax Sarco's complete Steam & Thermal Management Solutions helping you to...



Boost productivity and reliability



Cut emissions, energy waste and water use



Drive operational safety and reliability



Lower Costs



**DBB3 Double block and bleed Bellows Sealed Stop Valve**



**STS17.2 Trapping Station**



**EasiHeat™**

[sxsc.com.uk/SpiraxHome](https://sxsc.com.uk/SpiraxHome)

*First for Steam Solutions*

EXPERTISE | SOLUTIONS | SUSTAINABILITY

**spirax**  
**sarco**

# Plumbing and Flow Control Solutions



## SOCLA

Our SOCLA double check, drinking backflow preventor protects water supplies in commercial buildings, hotels and is trusted by water authorities across the UK.

SOCLA industrial and commercial water flow regulators protect drinking water and prevent contamination through backflow prevention. Backflow prevention and flow control technology is essential to clean water supplies to help prevent the spread of disease and illness from a contaminated water supply.

- Valves ranging from 15 to 800mm
- Five year warranty
- European manufacture
- High quality double check valve
- Backflow devices meet all UK Water Supply regulations
- EN1717, EN13959 compliant



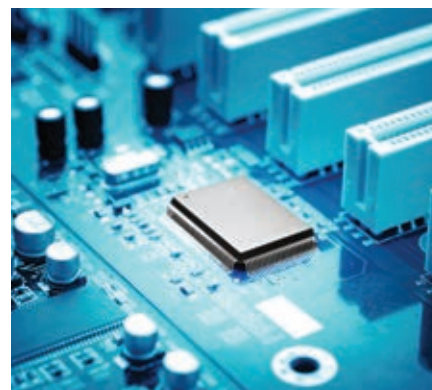
## Electro Controls

The Watts Electro Controls range of heating control systems is designed to monitor air, water and gas flow to ensure safety and efficiency of the system.

With in-house design, engineering and manufacturing systems, products can be produced from start to finish, or variations can be made to our current products for your individual project.

The range also features measurement, energy management and safety and emergency products, suitable for both refurbishments, or complete project refits.

- Extensive portfolio of HVAC and BMS controls
- Available from multiple nationwide distributors
- Products for monitoring and control of humidity, air velocity, current, fluid and air flow, fluid level and pressure
- Energy management products: thermostats, temperature controllers, temperature compensators
- Compatible with existing systems and complementing the extensive Black Teknigas range



## Black Teknigas - Powerseat® Eco

The Powerseat® Eco electro-hydraulic gas shut-off valve allows the control and safety shut-off of low-pressure combustible gases in pipes from 40mm to 250mm, whilst focusing on being energy efficient and environmentally friendly. The Powerseat® Eco shut-off valve is kept open by a hydraulic pump where hydraulic fluid is forced into a cylinder driving the valve open.

The Powerseat® Eco electro-hydraulic gas flow control valve allows the control and safety shut-off of low-pressure combustible gases in pipes from 40mm to 250mm using just a fraction of the energy required by permanently

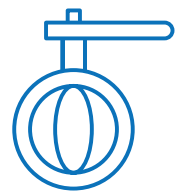
energized magnetic solenoid valves.

The Watts Black Teknigas range is the UK's leading manufacturer of gas control technologies for combustion, industrial, medical and laboratory applications. With the most comprehensive range of gas control products available, we serve a wide range of market sectors and customers from large multi-national companies to small end users.

- Range from 3/4" to 2"
- Pressure Test Points on Inlet and Outlet
- CE Certified
- Approved to EN161 Group 2, Class A

- 230V, 110V and 24V AC 50/60Hz Versions
- Flow Restrictor as standard
- Available as Fast or Slow Opening





# Let us take the pressure off valve compliance

Our in-house SRV / PRV testing and certification service will reduce the risk of failure, ensure your system certification is always up to date – and take the pressure off you.

#### Services include:

- Nitrogen and water SRV / PRV testing at up to 690 bar
- Installation support
- Repairs and modifications
- Asset logging
- Training



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Let's make industry work better

**ERIKS**



# HVAC Products

# FLEXEJ

## Low Loss Header

### DN50 to DN150 available from stock as standard

Robust and cost effective Low Loss Headers (Hydraulic Separators) available from stock. Designed and manufactured in the UK, we can also design to meet specific client requirements.

- Carbon steel body with PN16 flanges
- Flamco AAV with integral shut off valve
- Temperature probe ports on all connections

#### PART NO

FEJLLH050 → FEJLLH150



## Dosing Pot

### 3.5 to 20 Litre available from stock as standard

Allowing liquid chemicals to be safely added to a closed system, we have upgraded the dosing pot to be even better. Designed and manufactured in the UK for quality assurance. We can also manufacture to meet specific client requirements.

- Drain, Flow and Filling valves all DN25 PN40
- Non return valve for extra safety
- Carbon steel construction
- Wall brackets included. Floor stand also available.

#### PART NO

FEJDP03 → FEJDP25



## Air, Dirt and Air & Dirt Separators

### DN50 to DN150 in all configurations available from stock

Allowing the successful separation of either Air or Dirt or both, FlexEJ's cost effective and robust separators will keep your system running efficiently. Designed and manufactured in the UK, we can also design to meet specific client requirements.

- Carbon steel body & PN16 flanges
- Flamco AAV with integral shut-off valve
- Stainless steel internals where applicable
- DN25 drain ball valve

#### PART NO

FEJAXXX, FEJDXXX, FEJADXXX



## HVAC Rubber Expansion Joints

### Wide range of Expansion Joints (EJs) to suit all applications

FlexEJ can help you specify and supply huge variety of rubber EJs for all HVAC systems and beyond. Choose from huge range of stocked products that cover any HVAC system and its ancillaries.

- Elaflex Redband – WRAS approved and up to 100°C
- Elaflex Redspot – WRAS approved to 10Bar
- Tied and Untied options – we can help you choose
- Wide range of applications covered In stock



## HVAC Copper Bellows

### DN12 to DN50 copper bellows, removing axial stress in piping systems.

FlexEJ's copper ended bellows are a long standing customer favourite that include stainless steel bellows for longevity for your heating circuit. High quality UK manufacture and next day delivery.

- 316 stainless steel bellows, Copper pipe end
- Fully welded, compact design
- Rated 6 Barg @ 190°C
- For axial compression

#### PART NO

MRCA12 → MRCA50



## HVAC Union Bellows

### DN12 to DN50 available on next day delivery

Quick and effective for removing Axial stress in HVAC systems. Features union ends for easy installation. Manufactured in the UK for quality assurance.

- 316 stainless steel bellows
- Rated 6 Barg @ 150°C
- Compact design for axial compression
- Iron swivel unions – BSP threaded.

#### PART NO

MRUA12 → MRUA50



# Commodity Hose

## Hi Vac

Tough and flexible non-toxic transparent PVC hose, used for suction and delivery of water, slurries, granules, foodstuffs and dilute chemicals.



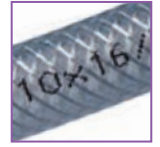
- Temp. Range: -15°C to +60°C
- Working Pressure: 2.5 to 12 bar
- Size: 12 to 152mm (Coil length 30M)
- Add EU Food 10/2011 simulant A, B, C, D1

PART NO	ID (MM)	OD (MM)	WALL THICKNESS (MM)	VACUUM %	MIN. BEND RADIUS
1048-12	12.0	19.2	3.1	88	26
1048-152	152.0	170.4	9.2	88	456

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Braided PVC

Can be used to convey many liquids and gases under pressure, used in factory airlines, pneumatic equipment and general workshop use.



- Temp. Range: -15°C to +60°C
- Working Pressure: 9 to 25 (Water)
- Size: 05 to 50mm (Coil length 30M)
- Add EU Food 10/2011 simulant A, B, C, D1

PART NO	INT DIA (MM)	ID (INCHES)	EXT. DIA (MM)	MIN. BEND (MM)	COIL RADIUS
1003-05	5.0	3/16	10.0	32.5	2.25
1003-50	50.0	2	61.6	325.0	39.42

\* Minimum and maximum sizes shown, sizes in between available, call for details

## PVC Superflex

High flexibility PVC ducting hose, reinforced with a semi-rigid crush resistant white PVC helix. Suitable for water, slurry and powder in agricultural and industrial applications.



- Temp. Range: -15°C to +55°C
- Working Pressure: 0.5 Max
- Size: 25 to 254mm (Coil length 30M)

PART NO	ID (MM)	OD (MM)	WALL THICKNESS (MM)	OD OVER HELIX (MM)	VACUUM % PRESSURE	MIN. BEND RADIUS
1047-025	1	25	2.5	30	0.49	25
1047-254	10	254	7.0	268	0.29	254

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Blue PVC Oil S&D

Applications with exceptionally high flexibility and resistance to hydrocarbons in industry, engineering, construction, water supply and waste water technology.



- Temp. Range: -25°C to +60°C
- Working Pressure: 2 to 5 bar
- Size: 25 to 101mm (Coil length 61 / 30.5M)

PART NO	ID (INCHES)	ID (MM)	WALL THICKNESS (MM)	MIN BEND THICKNESS (MM)
1042-025	1	25	4	88
1042-101	4	102	6.3	357

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Green Medium Duty

Outstanding resistance to the effects of weather, widely used in agriculture, construction and general industries.



- Temp. Range: -15°C to +60°C
- Working Pressure: 3 to 5 bar
- Size: 25 to 152mm (Coil length 30M)

PART NO	ID (INCH)	OD (MM)	WALL THICKNESS	MIN BEND RADIUS	VACUUM %
1039-025	1	25	4.2	113	0.88
1039-254	10	254	13.0	1143	0.78

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Green Tint

A lightweight PVC hose which is tough and durable with outstanding weather resistance. Suitable for water, slurry and powder in agricultural and industrial applications



- Temp. Range: -15°C to +60°C
- Working Pressure: 3 to 6 bar
- Size: 12 to 102mm (Coil length 30M)

PART NO	ID (INCHES)	ID (MM)	WALL THICKNESS (MM)	MIN BEND (MM)
1041L-012	1/2	12.0	2.6	57
1041L-102	4	102.0	6.3	459

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Wyrem

Heavy-duty ducting, suction and delivery, ideal for general purpose dust and fume extraction.

- Temp. Range: -20°C to +100°C
- Working Pressure: 0.35
- Size: 25 to 304mm (Coil length 6M)

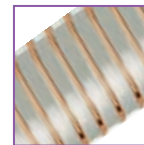


PART NO	ID (MM)	MIN BEND RADIUS (MM)
1038-025	25	60
1038-304	304	319

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Abraflex 351

Medium duty, Ω rated, abrasive PU suction and blower hose for abrasive solids such as powder, chips and granulates. Also suitable for aggressive gaseous and liquid products with good resistance to oil and petrol vapours.



PART NO (INCHES)	ID (MM)	ID (THICKNESS)	WALL THICKNESS (MM)	MIN BEND
1037-351-0013-0000	1	25	4	88
1037-351-0508-0000	4	102	6.3	357

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Silicone

High temperature Silicone ducting.

- Temp. Range: -80°C to +310°C
- Working Pressure: 0.1 to 1.5 bar
- Size: 12 to 203mm (Coil length 4M)



PART NO UNLINED: 1038A	ID (MM)	VACUUM SINGLE PLY (BAR)	VACUUM TWO PLY (BAR)
1038A-012	12	0.52	0.68
1038A-203	203	0.07	0.09

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Neoprene

Ideal in the transportation of hot and cold air in many air conditioning, refrigeration and ventilation systems.

- Temp. Range: -50°C to +150°C
- Working Pressure: 0.1 to 1.5 bar
- Size: 12 to 305mm (Coil length 2.5 4M)



PART NO UNLINED: 1038A	ID (MM)	VACUUM (BAR)
1038NI-012	12	0.68
1038NI-305	305	0.05

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Tricoflex

Tricoflex is a highly flexible, easy handling hose associated with gardening, horticulture, agriculture and farming.

Manufactured using quality materials, the multi-layer design makes Tricoflex incredibly flexible and resistant to repeated bending, crushing and pulling.

The smooth inner layer provides an even flow of water throughout the entirety of the pipe, while adding thickness for additional reinforcement.

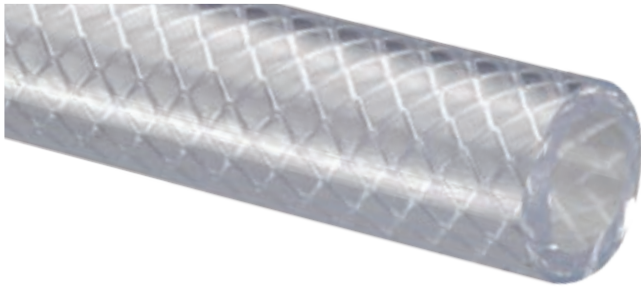
- Temp. Range: -15°C to +60°C
- Working Pressure: 8 to 10 bar
- Size: 12 to 50mm (Coil length 25, 50 and 100M)

PART NO	ID (MM)	WALL THICKNESS (MM)	BURST PRESSURE WATER (MM)	MIN BEND (MM)
1003T-12-25M	12.5	2.75	25	70
1003T-50-50M	50	6.5	20	500



# PVC, Suction & Delivery Hose

## Clear Braided PVC Hose



A lightweight PVC hose, reinforced with high tensile polyester fibres. The clear braided PVC hose is tough, flexible and extremely durable under normal operating conditions. Manufactured from FDA approved ingredients. The braided PVC hose is suitable for food contact applications and is resistant to a wide range of chemicals. Minimum frictional loss is achieved by the smooth bore.

PART NO	INTERNAL DIAMETER (MM)	MINIMUM M BEND RADIUS (MM)	WORKING PRESSURE (BAR)	COIL LENGTH (M)
1003-005-GF	5	33	25	30 / 100
1003-006-GF	6	41	22	30 / 100
1003-008-GF	8	52	21	30 / 100
1003-010-GF	10	65	20	30 / 100
1003-013-GF	13	81	16	30 / 100
1003-016-GF	16	104	15	30 / 100
1003-019-GF	19	124	15	30 / 100
1003-025-GF	25	163	13	30 / 100
1003-032-GF	32	208	8	30
1003-038-GF	38	247	8	30
1003-050-GF	50	325	7	30

### Applications

The hose can be used to convey many liquids and gases under pressure. Applications include factory air lines, pneumatic equipment and general workshop use.

### Temperature Range

-10°C to +60°C

In accordance with BS EN ISO 6224 and BS EN ISO 5774

## Food Approved Suction and Delivery Hose



A clear food approved PVC hose, reinforced with a semi-rigid crush resistant PVC helix. It is tough, flexible and extremely durable under normal operating conditions. It has outstanding resistance to the effects of weather. Minimum frictional loss is achieved by the smooth bore.

PART NO	INTERNAL DIAMETER (MM)	MINIMUM BEND RADIUS (MM)	VACUUM (M OF H2O)	WORKING PRESSURE (BAR)	COIL LENGTH (M)
1043-012-GF	12	57	7	10	30 / 50
1043-016-GF	16	72	7	9.5	30 / 50
1043-019-GF	19	86	7	9	30 / 50 / 10
1043-025-GF	25	114	7	8	30 / 50 / 10
1043-032-GF	32	143	7	7	30 / 50 / 10
1043-038-GF	38	171	7	6.5	30 / 50 / 10
1043-050-GF	50	230	7	6	30 / 50 / 10
1043-063-GF	63	284	7	5	30 / 50
1043-076-GF	76	342	7	4	30 / 50
1043-0101-GF	102	459	7	4	30

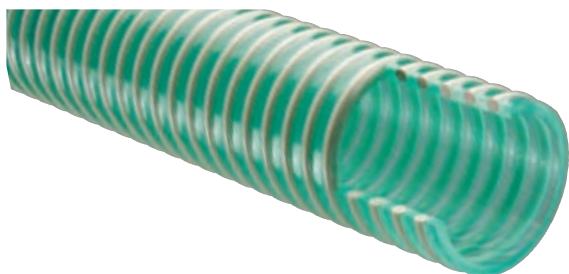
### Applications

Foodstuffs, water, slurries and powders.

### Temperature Range

-10°C to +55°C

## Water Delivery Hose



A PVC hose, reinforced with a rigid crush resistant PVC helix. It is tough, flexible and extremely durable under normal operating conditions. It has outstanding resistance to the effects of weather. Minimum frictional loss is achieved by the smooth bore.

PART NO	INTERNAL DIAMETER (MM)	MINIMUM BEND RADIUS (MM)	VACUUM (M OF H <sub>2</sub> O)	WORKING PRESSURE (BAR)	COIL LENGTH (M)
1041L-012-GF	12	57	7	10	30 / 50
1041L-016-GF	16	72	7	9.5	30 / 50
1041L-019-GF	19	86	7	9	30 / 50
1041L-025-GF	25	120	7	8	30 / 50
1041L-038-GF	38	171	7	6.5	30 / 50
1041L-050-GF	50	230	7	6	30 / 50
1041L-063-GF	63	284	7	5	30 / 50
1041L-076-GF	76	342	7	4	30
1041L-090-GF	89	430	7	4	30
1041L-101-GF	101	459	7	4	30

### Applications

Delivery and light duty suction of water, slurries and powders. This product is particularly popular in the agricultural, horticultural, marine and construction industries. Within the agricultural industry the hose is specifically used for conveying liquid fertilisers, dilute chemicals and insecticides.

### Temperature Range

-10°C to +55°C

In accordance with BS EN ISO 6224 and BS EN ISO 5774

## Premium, Medium Duty Suction and Delivery Hose



A premium medium weight PVC hose, reinforced with a semi-rigid crush resistant PVC helix. It is tough, flexible and extremely durable under normal operating conditions. It has outstanding resistance to the effects of weather. Minimum frictional loss is achieved by the smooth bore.

PART NO	INTERNAL DIAMETER (MM)	MINIMUM BEND RADIUS (MM)	VACUUM (M OF H <sub>2</sub> O)	WORKING PRESSURE (BAR)	COIL LENGTH (M)
1039L-019-GF	19	100	9	9.5	30 / 50
1039L-025-GF	25	113	9	9.3	30 / 50
1039L-032-GF	32	144	9	8	30 / 50
1039L-038-GF	38	171	9	8	30 / 50 / 10
1039L-050-GF	50	230	9	7.3	30 / 50 / 10
1039L-063-GF	63	284	9	6.7	30 / 50
1039L-076-GF	76	342	9	6	30 / 50 / 10
1039L-090-GF	89	401	9	5	30
1039L-101-GF	101	459	9	4.7	43768
1039L-127-GF	127	572	8	4	30
1039L-152-GF	152	684	8	3.3	30
1039L-203-GF	203	914	8	2.7	10
1039L-254-GF	254	1143	8	2	10

## Hose Clips

### Jubilee Original Hose Clip Range

For most applications Jubilee's sturdy worm drive hose clip is suitable.



PART NO	SIZE	MIN SIZE MM	MAX SIZE MM	TYPE
1051-9.5-12	Smallest size available	9.5	12	Mild Steel
1051-286-318	Largest size available	286	318	Mild Steel
1051S-9.5-12	Smallest size available	9.5	12	304 Stainless Steel
1051S-286-318	Largest size available	286	318	304 Stainless Steel
1051SS-9.5-12	Smallest size available	9.5	12	316 Stainless Steel
1051SS-286-318	Largest size available	286	318	316 Stainless Steel

### High Torque (Heavy Duty)

For stubborn leakage or high vibration applications. Twice the tightening torque of the Original Range.



PART NO	SIZE	MIN SIZE MM	MAX SIZE MM	TYPE
1052-20-35	Smallest size available	20	35	304 Stainless Steel
1052-490-520	Largest size available	490	520	304 Stainless Steel

### Jubilee Super Clamps

Heavy duty bolt clamps for use on delivery hoses and demanding applications.



PART NO	SIZE	MIN SIZE MM	MAX SIZE MM	TYPE
1053B-19	Smallest size available	17	19	Mild Steel
1053B-265	Largest size available	253	265	Mild Steel
1053BS-19	Smallest size available	17	19	304 Stainless Steel
1053BS-265	Largest size available	253	265	304 Stainless Steel
1053BSS-19	Smallest size available	17	19	316 Stainless Steel
1053BSS-265	Largest size available	253	265	316 Stainless Steel

### Jubilee Flexiband

Band and buckle system - strong, low profile tamper-proof fastening solution. Ideal for sign fixing.

Banding available in boxes of 30 metres and buckles in boxes of 25.



PART NO	DESCRIPTION	TYPE
MB1701	11 mm Banding 10 mtr Long	Mild Steel
MB1702	11 mm Banding 30 mtr Long	Mild Steel
MB1801	11 mm Banding 10 mtr Long	304 Stainless Steel
MB1802	11 mm Banding 30 mtr Long	304 Stainless Steel
MB1901	11 mm Banding 10 mtr Long	316 Stainless Steel
MB1902	11 mm Banding 30 mtr Long	316 Stainless Steel
MB1601	7 mm Banding 25 mtr Long	304 Stainless Steel
MB1602	7 mm Banding 50 mtr Long	304 Stainless Steel



## Steam

### Goodall® Inferno ISO 6134

Textile reinforced Steam Hose for saturated steam services, used in chemical plants, steel mills, refineries, shipyards and all industries.

- Temp. Range: -40°C to +232°C
- Working Pressure: 18 bar
- Size: 12 to 50mm [Coil Length 61]
- Standards: ISO 6134-2a



PART NO	ID (INCH)	ID (MM)	OD (MM)	MIN. BEND RADIUS (MM)
1018R-12-Inferno	½	12.7	25	130
1018R-50-Inferno	2	50	68	500

### Goodall® Super Inferno

Steel wire reinforced Steam Hose for saturated steam services, used in chemical plants, steel mills, refineries, shipyards and all industries.

- Temp. Range: -40°C to +232°C
- Working Pressure: 17 bar
- Burst Pressure: 20:1
- Size: 19 to 50mm [Coil length 30.5]



PART NO (INCH)	ID (INCH)	ID (MM)	OD (MM)	MIN. BEND RADIUS (MM)
1018R-19-Inferno-S	¾	19	32.3	101.6
1018R-50-Inferno-S	2	51	71.4	355.6

\* Minimum and maximum sizes shown, sizes in between available, call for details



### Inferno

The GOODALL® BR8 INFERNO distinguishes itself from every other steam hose on the market.

Its longer service life ensures fewer failures, greater up time, but in particular, the ability to not popcorn despite not being drained during use. Used for both steam and hot water

- Temp. Range: -40°C to +232°C
- Working Pressure: 18 bar
- Size: 12 to 50mm [Coil Length 60M]
- Standards: Exceeds EN ISO 6134-2A

EHT CODE	ID (INCH)	ID (MM)	MIN. BEND RADIUS (MM)
1018R-12-Inferno	½	12.7	130
1018R-19-Inferno	¾	19	190
1018R-25-Inferno	1	25.4	250
1018R-32-Inferno	1 ¼	32	320
1018R-38-Inferno	1 ½	38	380
1018R-50-Inferno	2	50	500

### Goodall® DuraCrimp®

The new clamp system has been specifically designed to:

- Prevent leaks
- Reduce maintenance time
- Improve ergonomics
- Increase safety



### Steam Hose Fittings

Heavy-duty tapered male BSPT thread coupling with long hose nipple that complies with EN ISO 14423.

PART NO	THREAD (INCH)	HOSE TAIL SIZE (INCH)
1018STM-12	1/2	1/2
1018STM-19	3/4	3/4
1018STM-25	1	1
1018STM-38	1 1/2	1 1/2
1018STM-50	2	2



### Steam Hose Clamp

Steam hose safety clamp in compliance with EN ISO 14423.

PART NO	CLAMP SIZE (INCH)	HOSE OD MIN - MAX (MM)
1018SC-1227	1/2	24-27
1018SC-1230	1/2	27-30
1018SC-1937	3/4	30-33
1018SC-1938	3/4	33-38
1018SC-2540	1	36-40
1018SC-2543	1	38-43.5
1018SC-3851	1 1/2	48-52
1018SC-3856	1 1/2	52-57
1018SC-5063	2	63-69
1018SC-5070	2	50-70



Heavy flat sealed BSP female, with long hose nozzle in compliance with EN ISO 14423.

PART NO	THREAD (INCH)	HOSE TAIL SIZE (INCH)
1018STF-12	1/2	1/2
1018STF-19	3/4	3/4
1018STF-25	1	1
1018STF-38	1 1/2	1 1/2
1018STF-50	2	2



# Rubber Hose Including Assemblies



## Goodall® Alligator Water SD

Water suction and discharge hose for industrial and construction services.

- Temp. Range: -30°C to +100°C
- Working Pressure: to 10 bar
- Size: 25 to 203 mm (Coil length 61M)



PART NO	ID (INCH)	ID (MM)	OD (MM)	VACUUM (BAR G)	MIN BEND RADIUS (MM)
1014GA-025	1"	25	35	Vac Bar 100%	100
1014GA-203	8"	203	221	Vac Bar 70%	1015

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Goodall® Tanker SD Flexotek

Very flexible and lightweight suction and delivery hose for use in tank truck and other general industrial fluid transfer operation.

- Temp. Range: -30°C to +80°C
- Working Pressure: 10 bar
- Size: 51 to 152mm (Coil length 40M)
- Burst: 4:1
- Ohm T hose: Yes
- Standards: BD5119/A ISO 1403 EN1761:1999



PART NO	ID (MM)	OD (MM)
1014FLEX-051-10BAR	51	61
1014FLEX-152-10BAR	152	166

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Compressor Hose

- General purpose compressed air hose for use with compressors in the construction industry.
- Temp Range: -35°C to +95°C continuous +80 °C
- Working Pressure: 20 bar
- Size: 19 to 25mm (Coil length 30M)
- Standards: BS EN 2398 1997: BS 5118/2



PART NO	ID (MM)	LENGTH (M)
1015-019-15M	19	15
1015-019-20M	19	20
1015-019-30M	19	30

## Goodall® Tanker SD Flexoline

Suction and delivery hose for hydrocarbon fuels and mineral oils having an aromatic content of maximum 55% by volume.

- Temp. Range: -30°C to +82°C
- Working Pressure: 10 bar
- Size: 19 to 152mm (Coil length 30.5, 60M)
- Ohm Hose: Yes



PART NO (INCH)	ID (MM)	ID (MM)	WALL THICK RADIUS (MM)	MIN. BEND RADIUS (MM)
1023-12-25	½	12.7	25	65
1023-101-122	4	101.6	122	600

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Goodall® Titan Black

A light, flexible, multipurpose hose for air and water up to 95°C. Also very flexible at low temperatures, ideal for compressed air tools.

- Temp. Range: -40°C to +95°C continuous +110°C briefly
- Working Pressure: 15 - 20 bar
- Size: 6 to 50mm (Coil length 50, 100M)
- Burst: 4:1 [2" 3:1]
- Ohm Hose: Yes
- Standards: ISO 1402



PART NO	ID (MM)	WALL THICKNESS (MM)	MIN. BEND RADIUS (MM)
1017TB-06	6	3.5	72
1017TB-38	38	5	456

## Goodall® Multiserve

A very strong multipurpose hose for compressed air, oil, (lead free) petrol, diesel, hydraulic fluid, aqueous solutions.

- Temp. Range: -40°C to +95°C continuous
- Working Pressure: 20 bar
- Size: 6 to 50mm (Coil length from 25M)
- Burst: 4:1 [2" 3:1]
- Ohm Hose: Yes
- Standards: ISO 1402



PART NO	ID (INCH)	WALL THICKNESS (MM)	MIN. BEND RADIUS (MM)
1020MS-06	¼	6	40
1020MS-25	1	25	150

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Sand Blast Hose

Abrasion resistant sandblast hose for cleaning and blasting metal, stone and concrete surfaces.

- Temp. Range: -40°C to +70°C
- Working Pressure: 12 bar



- Ohm Hose: Yes
- Size: 125 to 122 (Coil length 61M)
- Standards: TS 5928 EN ISO 3861, ISO 1307

PART NO	ID (INCH)	ID (MM)	OD (MM)	MIN. BEND RADIUS (MM)
1023-12-25	½	12.7	25	65
1023-101-122	4	101.6	122	600

\* Minimum and maximum sizes shown, sizes in between available, call for details



## When to use Metal Hose

There are many different types of hose available on the market. They include metal, rubber, composite, PTFE and fabric. The decision of which hose type to buy depends on the application for which the hose is being used. Generally, there are eight factors that should alert you to consider using metal hose:

### Temperature Extremes

If either the temperature of the media going through the hose or the surrounding atmospheric temperature is very cold or hot, metal may be the only material that can withstand the temperature extremes.

### Chemical Compatibility

Metal hose can handle a wider variety of chemicals than most of the other hose types. If the hose will be exposed to aggressive chemicals (either internally or externally), metal hose should be considered.

### Permeation Concerns

Non-metal hose is susceptible to having gases permeate through the hose wall and into the atmosphere. Metal hose, on the other hand, does not allow permeation. If containing the gases inside the hose is important, metal hose may be required.

### Potential for Catastrophic Failure

When a metal hose fails, it usually develops small holes or cracks. Other hose types tend to develop larger cracks or come apart completely. If a sudden failure of the hose can be catastrophic, a metal hose may help minimise the effects of a failure by leaking product at a slower rate.

### Abrasion and Over-bending Concerns

To prevent abrasion and over-bending, a metal hose can be used as a protective cover over wires or even other hoses.

### Fire Safety

Other hose types will melt when exposed to fire while metal hose maintains its integrity up to 1200° F.

### Achieving Full Vacuum

Under full vacuum, metal hose maintains its shape while other hose types may collapse.

### Flexibility in Fitting Configuration

Virtually any type of fitting can be attached to metal hose while other hose types require special shanks and collars.



- Cryogenic
- Gas
- Oil



- Steam
- Chemical
- Glue



- Food
- Bitumen
- Water and many more..

## Goodall® MetalVisor®

### A New Generation of Metal Hoses and Fittings

At ERIKS, we understand the importance of selecting the right metal hose for your application. The new Goodall® MetalVisor® is a superior quality metal hose which not only prevents leaks but reduces costly maintenance downtime and improves the safety of both your plant and operators.

#### Extended Lifetime

- High quality and thick stainless steel strip used for the corrugated tube
- Extreme high coverage of the stainless steel braid
- Welding procedures avoiding corrosion at the welds
- No leaks and no loss of product
- Fitting assortment designed for the Goodall® MetalVisor® hose
- Special assembly and welding procedures
- Single pass weld to avoid gaps and burrs between the hose end and the fitting

#### Mechanical strength

- High working pressures
- High braid coverage

#### Ergonomic

More flexibility and ease of use due to the design of the corrugated hose and braid

Innovative single pass welding procedures of the fittings on the corrugated hose decrease the risk of corrosion and leaks enormously.

Goodall® MetalVisor® hoses stand up to the toughest jobs, outlasting competitive products for a lower lifetime cost and each welded procedure and operator are subject to strict certifications, which are renewed on an annual basis.



#### Welding procedures

**All metal hoses have been subject to extensive tests which include:**

- Surface cracks in weld using dye-penetrant examination
- Vacuum testing using helium leak detection
- Complete traceability of all parts with original mill certification

**EN ISO 10380: 2012**

**BS 6501-1: 2004**

**ASME IX**

**EN ISO 15614-1: 2004**



# Camlocks

ERIKS cam and groove couplers are available in aluminium, brass, stainless steel or polypropylene with either BSP or NPT threads. The couplers are fitted with standard nitrile rubber gaskets; non-standard gaskets are available in: Viton, EPR, PTFE etc. Other versions of cam and groove couplers include the "auto-Lock" with arms that lock into position.

## Part A

### Adaptor (Female BSP thread)



SIZE (INCH) ALUMINIUM	SIZE (MM) POLYPROPYLENE	BRASS	STAINLESS STEEL		
1/2"	12	1078QA-012	1078SA-012	1078A-012	1079A-012
3/4"	19	1078QA-019	1078SA-019	1078A-019	1079A-019
1"	25	1078QA-025	1078SA-025	1078A-025	1079A-025
1 1/4"	32	1078QA-032	1078SA-032	1078A-032	1079A-032
1 1/2"	38	1078QA-038	1078SA-038	1078A-038	1079A-038
2"	50	1078QA-050	1078SA-050	1078A-050	1079A-050
2 1/2"	63	1078QA-063	1078SA-063	1078A-063	1079A-063
3"	75	1078QA-075	1078SA-075	1078A-075	1079A-075
4"	101	1078QA-101	1078SA-101	1078A-101	1079A-101
6"	152	1078QA-152	1078SA-152	1078A-152	1079A-152

## Part B

### B Coupler (Male BSP thread)



SIZE (INCH) ALUMINIUM	SIZE (MM) POLYPROPYLENE	BRASS	STAINLESS STEEL		
1/2"	12	1078QB-012	1078SB-012	1078B-012	1079B-012
3/4"	19	1078QB-019	1078SB-019	1078B-019	1079B-019
1"	25	1078QB-025	1078SB-025	1078B-025	1079B-025
1 1/4"	32	1078QB-032	1078SB-032	1078B-032	1079B-032
1 1/2"	38	1078QB-038	1078SB-038	1078B-038	1079B-038
2"	50	1078QB-050	1078SB-050	1078B-050	1079B-050
2 1/2"	63	1078QB-063	1078SB-063	1078B-063	1079B-063
3"	75	1078QB-075	1078SB-075	1078B-075	1079B-075
4"	101	1078QB-101	1078SB-101	1078B-101	1079B-101
6"	152	1078QB-152	1078SB-152	1078B-152	1079B-152

## Part C

### Coupler (Hosetail)



SIZE (INCH) ALUMINIUM	SIZE (MM) POLYPROPYLENE	BRASS	STAINLESS STEEL		
1/2"	12	1078QC-012	1078SC-012	1078C-012	1079C-012
3/4"	19	1078QC-019	1078SC-019	1078C-019	1079C-019
1"	25	1078QC-025	1078SC-025	1078C-025	1079C-025
1 1/4"	32	1078QC-032	1078SC-032	1078C-032	1079C-032
1 1/2"	38	1078QC-038	1078SC-038	1078C-038	1079C-038
2"	50	1078QC-050	1078SC-050	1078C-050	1079C-050
2 1/2"	63	1078QC-063	1078SC-063	1078C-063	1079C-063
3"	75	1078QC-075	1078SC-075	1078C-075	1079C-075
4"	101	1078QC-101	1078SC-101	1078C-101	1079C-101
6"	152	1078QC-152	1078SC-152	1078C-152	1079C-152

## Part P

### Dust Plug



SIZE (INCH) ALUMINIUM	SIZE (MM) POLYPROPYLENE	BRASS	STAINLESS STEEL		
1/2"	12	1078QP-012	1078SP-012	1078P-012	1079P-012
3/4"	19	1078QP-019	1078SP-019	1078P-019	1079P-019
1"	25	1078QP-025	1078SP-025	1078P-025	1079P-025
1 1/4"	32	1078QP-032	1078SP-032	1078P-032	1079P-032
1 1/2"	38	1078QP-038	1078SP-038	1078P-038	1079P-038
2"	50	1078QP-050	1078SP-050	1078P-050	1079P-050
2 1/2"	63	1078QP-063	1078SP-063	1078P-063	1079P-063
3"	75	1078QP-075	1078SP-075	1078P-075	1079P-075
4"	101	1078QP-101	1078SP-101	1078P-101	1079P-101
6"	152	1078QP-152	1078SP-152	1078P-152	1079P-152

## Part D

### Coupler (Female Thread)



SIZE (INCH) ALUMINIUM	SIZE (MM) POLYPROPYLENE	BRASS	STAINLESS STEEL		
1/2"	12	1078QD-012	1078SD-012	1078D-012	1079D-012
3/4"	19	1078QD-019	1078SD-019	1078D-019	1079D-019
1"	25	1078QD-025	1078SD-025	1078D-025	1079D-025
1 1/4"	32	1078QD-032	1078SD-032	1078D-032	1079D-032
1 1/2"	38	1078QD-038	1078SD-038	1078D-038	1079D-038
2"	50	1078QD-050	1078SD-050	1078D-050	1079D-050
2 1/2"	63	1078QD-063	1078SD-063	1078D-063	1079D-063
3"	75	1078QD-075	1078SD-075	1078D-075	1079D-075
4"	101	1078QD-101	1078SD-101	1078D-101	1079D-101
6"	152	1078QD-152	1078SD-152	1078D-152	1079D-152

## Part E

### Part E Adaptor (Hosetail)



SIZE (INCH) ALUMINIUM	SIZE (MM) POLYPROPYLENE	BRASS	STAINLESS STEEL		
1/2"	12	1078QE-012	1078SE-012	1078E-012	1079E-012
3/4"	19	1078QE-019	1078SE-019	1078E-019	1079E-019
1"	25	1078QE-025	1078SE-025	1078E-025	1079E-025
1 1/4"	32	1078QE-032	1078SE-032	1078E-032	1079E-032
1 1/2"	38	1078QE-038	1078SE-038	1078E-038	1079E-038
2"	50	1078QE-050	1078SE-050	1078E-050	1079E-050
2 1/2"	63	1078QE-063	1078SE-063	1078E-063	1079E-063
3"	75	1078QE-075	1078SE-075	1078E-075	1079E-075
4"	101	1078QE-101	1078SE-101	1078E-101	1079E-101
6"	152	1078QE-152	1078SE-152	1078E-152	1079E-152

## Part F

### Adaptor (Male BSP Thread)



SIZE (INCH) ALUMINIUM	SIZE (MM) POLYPROPYLENE	BRASS	STAINLESS STEEL		
1/2"	12	1078QF-012	1078SF-012	1078F-012	1079F-012
3/4"	19	1078QF-019	1078SF-019	1078F-019	1079F-019
1"	25	1078QF-025	1078SF-025	1078F-025	1079F-025
1 1/4"	32	1078QF-032	1078SF-032	1078F-032	1079F-032
1 1/2"	38	1078QF-038	1078SF-038	1078F-038	1079F-038
2"	50	1078QF-050	1078SF-050	1078F-050	1079F-050
2 1/2"	63	1078QF-063	1078SF-063	1078F-063	1079F-063
3"	75	1078QF-075	1078SF-075	1078F-075	1079F-075
4"	101	1078QF-101	1078SF-101	1078F-101	1079F-101
6"	152	1078QF-152	1078SF-152	1078F-152	1079F-152

## Part H

### Dust Cap



SIZE (INCH) ALUMINIUM	SIZE (MM) POLYPROPYLENE	BRASS	STAINLESS STEEL		
1/2"	12	1078QH-012	1078SH-012	1078H-012	1079H-012
3/4"	19	1078QH-019	1078SH-019	1078H-019	1079H-019
1"	25	1078QH-025	1078SH-025	1078H-025	1079H-025
1 1/4"	32	1078QH-032	1078SH-032	1078H-032	1079H-032
1 1/2"	38	1078QH-038	1078SH-038	1078H-038	1079H-038
2"	50	1078QH-050	1078SH-050	1078H-050	1079H-050
2 1/2"	63	1078QH-063	1078SH-063	1078H-063	1079H-063
3"	75	1078QH-075	1078SH-075	1078H-075	1079H-075
4"	101	1078QH-101	1078SH-101	1078H-101	1079H-101
6"	152	1078QH-152	1078SH-152	1078H-152	1079H-152

## Bellows

All installations may be subjected to movements, these movements can vary from very slow (thermal expansion or shrinking movements) to very fast (vibrations). Thermal expansion and vibrations can result in adverse material stresses in piping, with vibrations also causing unpleasant noise in the work environment. The solution for all these problems is the RX® bellow, which has a fast turnaround and excellent stocks in the UK.

The faultless functioning of bellows requires careful fitting to take place according to the instructions and ensuring the pressure and temperature limits concerned are not be exceeded. Our knowledge and supply capabilities offer you the opportunity to choose the correct bellow to optimally meet your requirements.

### Metallic

ERIKS Hose Technology design and manufacture a comprehensive range of metallic expansion bellows, metallic expansion joints and bellows assemblies in a wide range of stainless steels and exotic alloy materials, with sizes from 50mm [2"] to 3000mm [120"] nominal diameter inclusive.

As a full metallic hose manufacturer, we are able to offer custom sizes of bellows to suit your individual requirements.



#### Applications:

- High flexibility
- Short lead times
- Large movement capacity
- Durability and excellent chemical resistance
- Pressure resistant
- Vacuum tightness
- Temperature resistant
- Ageing resistant
- Torsional rigidity

#### Max Working Temperature:

- 600°C

#### Options:

- Different Lengths
- Higher pressure/temperature ratings
- Flanges to suit i.e. BS, JIS, DIN, ASA
- External covers/insulation
- Limit Rods
- Swivel Flanges
- Material:
- Flanges 316 or 304 Stainless Steel, or Mild Steel
- Bellows 316 or 321 Stainless Steel

#### Certification:

- WRAS, ISO 9001, 3.1 mill certificate, ISO 10380:2012, ISO 6129-1 :1981

SIZE (INCH) ALUMINIUM	SIZE (MM)	SIZE (INCHES)	ELONGATION	MAX. WP	FLANGE TYPE AT 20°C (BAR)
2901-050-PN16-130MM	50	2"	+ / - 10mm	16 bar	PN16 (st/st)
2901-063-PN16-130MM	63	2 ½"	+ / - 12.7mm	16 bar	PN16 (st/st)
2901-075-PN16-130MM	75	3"	+ / - 12.7mm	16 bar	PN16 (st/st)
2901-101-PN16-130MM	101	4"	+ / - 15mm	16 bar	PN16 (st/st)
2901-152-PN16-130MM	152	6"	+ / - 15mm	16 bar	PN16 (st/st)
2901-203-PN16-130MM	203	8"	+ / - 15mm	16 bar	PN16 (st/st)
2901-050-ASA150-130MM	50	2"	+ / - 10mm	16 bar	ASA150 (st/st)
2901-063-ASA150-130MM	63	2 ½"	+ / - 12.7mm	16 bar	ASA150 (st/st)
2901-075-ASA150-130MM	75	3"	+ / - 12.7mm	16 bar	ASA150 (st/st)
2901-101-ASA150-130MM	101	4"	+ / - 15mm	16 bar	ASA150 (st/st)
2901-152-ASA150-130MM	152	6"	+ / - 15mm	16 bar	ASA150 (st/st)
2901-203-ASA150-130MM	203	8"	+ / - 15mm	16 bar	ASA150 (st/st)

### Non Metallic

Moulded Rubber Bellows are designed to compensate for misalignment, neutralise movement and reduce noise and vibration in pipelines. They effectively dampen the transmission of sound and vibration from plant items in building service installations, and depending upon the grade of the rubber can be used for many applications including:

- Water
- Oils
- Chemicals
- Food Industry (please see Material Colour Chart opposite)

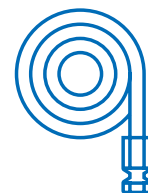
They are available from 25mm nb to 600mm nb (1"nb to 24"nb) and generally come complete with zinc plated carbon steel swivel backing flanges.

They can be drilled to suit any table or special drillings and can be supplied either tied or untied.



#### Material Colour Chart

COLOUR	MATERIAL	MAIN APPLICATIONS	MAX TEMP. °C
Red	EPDM	Hot water, heating and ventilation systems, weak acids and alkalis	90
Double Red	EPDM	High temperature hot water, heating and ventilation systems, weak acids and alkalis	
Yellow	Nitrile	Oil and Gas transportation, refineries	80
Green	Hypalon	Water, good chemical resistant qualities for acids	90
Purple	Viton	High temp. applications, transportation of products derived from petroleum/chemicals/oils/solvents	
White	Food Grade Nitrile	Transportation of food stuffs, potable water distribution	
Blue	Butyl HT	High temperature	130



# Hose Integrity Management

## The end-to-end solution for your hose

Most safety risks on your premises are easy to spot, but hoses are one risk that are often overlooked.

Backed by industry experts with years of extensive hose knowledge, ERIKS' Hose Integrity Management Programme will improve the safety of your hoses, increase employee awareness and reduce the risks associated with hose failure.

The programme includes:

- Hose inspection audits
- Hose tagging
- Review meeting
- Training programme



Call 0121 508 6000 or visit  
[eriks.co.uk](https://eriks.co.uk)

Let's make industry work better

**ERIKS**

## Industrial Hose for Food & Beverage

The food and beverage market requires a high degree of cleanliness and purity. All parts of a hose assembly should have a very fine level of finish and assemblies should be designed to avoid bug traps.

All ERIKS, hoses for the food and beverage market have been checked and are approved as suitable, including where necessary; 3.1 material certification, FDA and fill post assembly testing.

### Goodall NURTALON SD

Excellent for suction and delivery applications for use with fatty and non-fatty food products that demands both flexibility and ruggedness with a clean white EU / FDA Food grade tube. The food grade nitrile tube is odourless and tasteless.

- Temp. Range: -30°C to +100°C
- Working Pressure: 10 bar
- Size: 19 to 100mm
- Standards: Meets EU1935/2004, FDA, BfR, REACH & 3A sanitary standard
- Open end steam cleaning up to 130°C for 30 mins max.



PART NO	ID (INCH)	ID (MM)	MIN BEND (MM)	WORKING PRESSURE (BAR)
HYGB704-019	3/4	19	60	10
HYGD704-100	4	100	430	10

\* Minimum and maximum sizes shown, sizes in between available, call for details

### Goodall DELIDRINK SD

Premium grade low permeation extra flexible suction and delivery hose suitable for beer, wine and spirits. This hose is covered by a glossy low friction cover allowing for ease of movement and abrasion resistance.

- Temp. Range: -40°C to +120°C
- Working Pressure: 10 bar
- Size: 19 to 100mm
- Standards: Meets EU1935/2004, FDA, REACH & 3A sanitary standard
- Open end steam cleaning up to 130°C for 30 mins max.



PART NO	ID (INCH)	ID (MM)	MIN BEND (MM)	WORKING PRESSURE (BAR)
HYGR304-019	3/4	19	70	10
HYGR314-100	4	100	250	10

\* Minimum and maximum sizes shown, sizes in between available, call for details

### Goodall Blue Guardian

A flexible and strong hot water and steam hose suitable for cleaning floors in abattoirs and food industry with a non-marking cover.

- Temp: Hot water up to 95°C
- Temp: Saturated Steam up to 164°C
- Working Pressure: 6 Bar
- Working Safety Factor Hot Water 3:1
- Working Safety Factor Steam 10:1
- Size: 10mm – 51mm



PART NO	ID (INCH)	ID (MM)	WALL THICKNESS	MIN BEND RADIUS (MM)
HYGB101-010	3/8	10	5	75
HYGB101-050	2	50	13.5	310

\* Minimum and maximum sizes shown, sizes in between available, call for details

### TUFLUOR® PTFE SIL

Suction and delivery hose for food, cosmetic and pharmaceutical products. Produced with high quality elastomers, with excellent chemical and mechanical properties.

- Temperature range: -40°C to +150°C
- Max pressure: 10 bar



PART NO	ID (MM)	VACUUM	MIN BEND RADIUS (MM)
1016-TPS-13	13	0.9	45
1016-TPS-50	100	0.9	580

\* Minimum and maximum sizes shown, sizes in between available, call for details

### RB65 Washdown Gun

Shockproof low-pressure gun with adjustable conical/pencil jet controlled by a trigger. Variable cone from 0° to 60° and covered by semi-housings of non-stainable plastic.

- 60°C Max. temperature – continuous duty
- 90°C Max. temperature – short intervals
- 350 psi max.
- ½" BSP-F fitting inlet



PART NO  
1212-3002

### Dinga Type Gun

Heavy duty spray/washdown gun, ideal for general wash-down, commonly used in the food processing and dairy industries

- Temp. Range: -10°C to +80°C
- Connections: 1/2" BSP
- Max Pressure: 25 bar



PART NO  
1212-3001

# Industrial Hose for Chemical & Pharmaceutical

## PTFE

- PTFE tube has the best chemical resistance (alongside PFA) of all known polymers. It has a temperature range of -70°C to +265°C opens up PTFE tubing to many applications most other polymers can't withstand
- The electrical insulation properties of PTFE tubing are superb making it an ideal choice for electrical sleeving. Chemical dosing & metering pumps require long continuous lengths of PTFE tube, very difficult to produce but possible with ERIKS know-how

PART NO	ID (MM)	ID TOL. ± (MM)	WALL (MM)	WALL TOL. ± (9MM)	OD (MM)	BEND RADIUS (MM) 20°C	BP (BAR) 20°C
1219M-03-2	2	0.1	0.50	0.10	3.00	13	61
1219M-15-12	12	0.30	1.50	0.20	15.0	122	31

\* Minimum and maximum sizes shown, sizes in between available, call for details  
Other tube sizes available upon request. Coil sizes; 24, 50, 75, 100m



## Goodall Tekno SD

Developed for us in chemical plants. Built with fully conductive rubber compounds (liner and outer) for added safety. Flexible and resistant to kinking.

- Temperature range: -40°C to +82.2°C
- Working pressure: 16 bar
- Size: 13 to 100mm



PART NO	ID (MM)	VACUUM %	MIN. BEND RADIUS
1025GT-013	13	80	135
1025GT-0100	100	80	675

## Goodall Kemflex

Suction and delivery hose for a variety of chemicals and solvents. Highly resistant to abrasion and corrosive chemicals, braided construction is resistant to kinking and the hose can be open end steam cleaned to 130°C for a max of 30 mins.

- Temperature range: -40°C to +100°C
- Working pressure: 17 bar
- Size: From 19 to 102mm



PART NO	ID (MM)	WALL THICKNESS (MM)	VACUUM%	MIN BEND RADIUS (MM)
1025-19	19	6.5	88	135
1025-102	102	6.5	88	800

## Steri-vac

Platinum cured suction and delivery

- Temp. Range: -60°C to +170°C  
Please note that the burst pressure reduces by 1% for every 1°C rise over 100°C
- Working Pressure: According to EN ISO 7751 the ratio of burst pressure to working pressure is: Water 3:1, all other liquids 4:1
- Size: From 12 to 101mm (Coil length 4M)
- Ohm Hose: Conductive through steel helix



PART NO	ID (INCH)	ID (MM)	WALL THICKNESS (MM)	VACUUM (IN/HG)	MIN. BEND RADIUS
1008V-012	½"	12.7	4.9	29"	35
1008V-101	4"	101.6	8.0	26"	360

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Steri-sil

Platinum cured reinforced silicone hose, manufactured from a medical grade clear silicone rubber polymer producing a very high grade, soft pliable hose making it ideal for critical pharmaceutical, biomedical, food, and cosmetic applications.

- Temp. Range: -60°C to +180°C
- Working Pressure: 2.3 to 140 psi
- Size: From 3 to 32mm (Coil length 10M)
- Standards: FDA regulation 177.2600, Certified free of animal-derived ingredients



PART NO	ID (MM)	OD (MM)	MINIMUM BEND RADIUS (MM)
1008-03	3.0	10	30
1008-32	31.75	40	160

\* Minimum and maximum sizes shown, sizes in between available, call for details

## Pre-Pur® General Purpose Hoses

For many of its hoses, NORRES uses a special mixture called Pre-PUR®, containing an ester-polyurethane or an ether-polyurethane. Compared to many other plastics, rubber formulations and "simple" polyurethanes, the block copolymers, which consist of hard and soft Pre-PUR® segments have superior properties.

The hard segments of Pre-PUR® provide extremely high mechanical stability, while at the same time the soft segments give the material high flexibility and dynamic load capacity.



### POLYURETHANE SUCTION AND TRANSPORT HOSES (PRE-PUR®)

PROTAPE® PUR 301 AS	0,4 / 0.016 - 0.020	Yes	Yes	AS	DIN4102-B1	Yes
PROTAPE® PUR 330 AS	0,6 / 0.025 - 0.030	Yes	Yes	AS	DIN4102-B1	Yes
AIRDUC® PUR 350 AS	0,7 / 0.03	Yes	Yes	AS	DIN4102-B1	Yes
AIRDUC® PUR 355 AS	1,4-1,5 / 0.055 - 0.060	Yes	Yes	AS	DIN4102-B1	Yes
AIRDUC® PUR 356 AS	2,0-2,5 / 0.08 - 0.10	Yes	Yes	AS		Yes

### POLYURETHANE (PRE-PUR®) FOOD HOSES

PROTAPE® PUR-C 335 FOOD-AS FLAT	1,0 / 0.04	Yes	Yes	AS		Yes
PROTAPE® PUR-INOX 330 FOOD-AS	0,6 / 0.025 - 0.030	Yes	Yes	AS		Yes
AIRDUC® PUR 350 FOOD-AS	0,7 / 0.03	Yes	Yes	AS		Yes
AIRDUC® PUR-INOX 351 FOOD-AS	1,0 / 0.04	Yes	Yes	AS		Yes
AIRDUC® PUR-INOX 355 FOOD-AS	1,4-1,5 / 0.055 - 0.060	Yes	Yes	AS		Yes
AIRDUC® PUR-INOX 356 FOOD-AS	2,0-2,5 / 0.08 - 0.10	Yes	Yes	AS		Yes
AIRDUC® PUR 356 FOOD REINFORCED	3,0-3,5 / 0.12 - 0.14	Yes	Yes			Yes
BARDUC® PUR-INOX 382 FOOD-AS	4-6 / 0.16 - 0.24	Yes	Yes	AS		Yes

### HOSES FOR THE WOODWORKING INDUSTRY

TIMBERDUC® PUR 531 AS	0,4 / 0.016 - 0.020	Yes	Yes	AS	DIN4102-B1	Yes
TIMBERDUC® PUR 532 AS	0,6 / 0.025 - 0.030	Yes	Yes	AS	DIN4102-B1	Yes
TIMBERDUC® PUR 532 CNC	0,7 / 0.03	Yes	Yes		DIN4102-B1	
TIMBERDUC® PUR 533 AS	0,7 / 0.03	Yes	Yes	AS	DIN4102-B1	Yes
AIRDUC® PUR 356 AS	2,0-2,5 / 0.08 - 0.10	Yes	Yes	AS		Yes



## Why invest in hose reels?

Hose reels provide a quick and easy system for storage and retrieval of hoses.

Hoses laying on the floor are a potential trip hazard, a serious health and safety issue and they can be easily kinked or damaged. Using hose reels will save valuable labour time by always having the hose available for immediate use when required.

- Increased workshop efficiency
- Health and safety removal of potential trip hazards
- Enhance the working environment
- Extend hose life
- Reduce leaks
- Hose stored on a reel is always ready and available to use
- Hose on a reel when not in use reduces the chance of accidental damage
- Different types of hose reels are available to suit different applications, spring rewind, manual rewind, power rewind, manufactured in either stainless steel, steel, aluminium or polypropylene

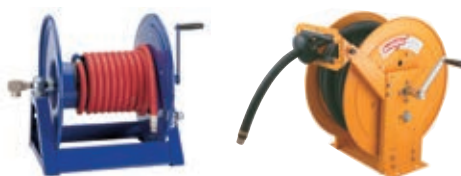
### Stainless steel



### Powder coated steel



### Polypropylene



Hose reels and ancillary equipment are used in an extremely diverse customer base which includes: food and drink (including dairy, meat, breweries etc), chemical, fabrication, plant and construction, mining, marine, engineering, welding, maintenance, OEMs, agriculture, off-

shore (oil production etc), government bodies (M.O.D., M.A.F.F, etc) and local authorities.

Redashe has taken pride in providing the very best advice and support for over 30 years, enabling you to choose the most appropriate,

cost effective reel for your requirements. As you would expect from the industry's leading supplier, we offer the most comprehensive range of hose and cable reels available in the UK.

## Industrial Hose and Cable Reels

Reelcare specialise in the supply of spring driven, manual and motor driven hose reels in a variety of materials. If you have any requirements for a reel that isn't listed please contact your nearest ERIKS Service Centre with your application requirements.

### Value Range

Reelcare value hose reels are an excellent product ideal for the small to medium workshop and most air tool applications, the value range includes two hose reels with the following features:

- Polypropylene case and pivoting wall bracket
- Hose layering system on the RE-SA01-06-15 only
- PU tube on the RE-SA02-05-9 & PU Mesh hose on the RE-SA01-06-15
- Supplied complete with feed hose
- Auto lock

\*Available for compressed air applications in sizes 9 - 15m



### GEN3 Recoila Range

The GEN3 Recoila Range of spring driven reels is a durable, high quality range of UPVC hose reels suitable for many applications. Manufactured from high density UV stabilised polypropylene, all products in the range boast a whole host of features, some of which are listed below.

- Virtually maintenance free
- Full flow complete brass swivels to allow maximum product delivery
- Multi position locking mechanism to allow wall, floor or ceiling mount
- 160° pivot brackets
- Rolled edge drive spring to ensure maximum spring life
- Supplied complete high quality hose
- 5 Year limited warranty – subject to standard terms and conditions and not including hose
- \*Available for air & water, hot water and oxy/acetylene applications in sizes 15 - 20m



### ME Range

The ME range of spring driven hose reels represents outstanding value for money. EU manufactured, the range suits hose sizes ranging from 6mm id (1/4") up to 25mm id (1") hose sizes dependant on your application.

- Easy installation
- Powder coated steel or stainless steel
- Enclosed lubricated high quality drive spring
- Adjustable guide arm to allow wall, floor or ceiling mount applications
- Full flow swivel and fluid paths for maximum product delivery with minimal flow restriction
- Available with or without hose
- Suitable for numerous applications
- \*Available for air & cold water, pressure wash and diesel fuel applications in sizes 10 - 25m






























# INDUSTRIAL MRO & SAFETY

Choosing the right products is not just about getting the job done, it's also about protecting your employees from injury.

That's why our range provides all the essentials required to create a safe and productive engineering workshop.



## QUICK MANUFACTURER REFERENCE

 <b>THOMAS</b>	 <b>Ansell</b>	 <b>Honeywell</b>	 <b>3M</b>	 <b>PORTWEST</b>	 <b>SC Johnson PROFESSIONAL</b> A family company™	 <b>Worbar</b>	 <b>DORMER PRAMET</b>	 <b>Starrett</b>
248-251, 254-256	252-253, 260	258	259, 258	262-263	264	265	266	267
 <b>STANLEY</b>	 <b>Garryson</b>	 <b>armorgard</b>	 <b>HANDLING EQUIPMENT</b>	 <b>bott</b>	 <b>KARCHER</b> makes a difference	 <b>EXCEL</b> 'Always Excel'	 <b>PFERD</b>	
268-269	270-271	272-273	274-275	276	277	278-279	282-283	
 <b>LOCTITE</b>	 <b>TENGOOLS</b>	 <b>PANDUIT</b>	 <b>film</b>	 <b>CEE NORM</b>	 <b>the calibration centre</b>	 <b>LEDLENSER</b>	 <b>UNILITE</b>	
284-285	286	287	288-289	290	291	292-293	294-295	

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# WE MAKE INDUSTRIAL MRO & SAFETY WORK BETTER

## CONTINUOUSLY DELIVERING QUALITY

Our strong supply network and knowledge of the industry allows us to combine all elements of maintenance, repair, operations and safety into one neat package.

Our carefully chosen portfolio of products provides you with all the essentials required to operate a safe and productive engineering workshop, all from leading global brands.



### TOOLS AND WORKPLACE EQUIPMENT

We understand the importance of sourcing the right solution for you, therefore we operate as a 'one-stop shop' for all your tool requirements.



### MAINTENANCE PRODUCTS

Maintenance technology evolves rapidly, and we keep track of innovations and upgrades to ensure you always have the most efficient and effective solutions.



### SAFETY EQUIPMENT

Whether you need to protect your workforce or the environment, we have the products and the expertise to ensure you make the correct, compliant choices.



### INDUSTRIAL ELECTRICAL

We offer a comprehensive range of electrical products for industrial applications, all from leading manufacturers.



## LIGHTING SURVEYS

Unknown to many, wrong lighting choices can have serious impacts on your employees' health and well-being, as well as costs.

Our lighting surveys will identify where and how you can improve your lighting, how much money and energy can be saved, and the payback period.



## FACE FIT TESTING

As its name suggests, PPE is designed to protect us from harm, but only if worn correctly.

At ERIKS, our highly trained team can assist you in selecting and specifying the correct PPE, and offer advice on face fit testing and fit validation.



# MORE THAN THE SUM OF THE PARTS



### MORE CAPABILITIES

Thanks to our strong partnerships with all the leading manufacturers, we have access to more than 50,000 products and solutions ready for immediate dispatch. We have a team of experts that have unrivalled knowledge of specification, benefits and legislation.



### MORE SUPPORT

Choosing, ordering and buying your consumables and PPE is only part of the story. How they are stored and used on-site can also make a significant difference to your costs and operations. ERIKS can provide stock control solutions to help you manage consumable and PPE usage more efficiently, as well as providing full traceability for peace of mind.



### MORE KNOW-HOW

Product selection based solely on price may offer short-term gains, but in the longer-term can lead to increased costs and risks, and reduced productivity and safety. We have the experience and know-how to ensure you make the right product and equipment choices to:

- Maintain employee safety
- Optimise efficiency
- Increase productivity
- Minimise your Total Cost of Ownership

# HOW WE MAKE INDUSTRIAL MRO & SAFETY WORK BETTER

## CREATING A SAFE ENVIRONMENT FOR YOU

Why do maintenance, repair and safety go together at ERIKS? Because they are all essential to creating a safe and productive environment within your engineering workshop.

Partnering with the leading brands in the industry, we can supply you with:

- Tools
- Safety equipment
- MRO products

When MRO and safety work better, so do your assets and your employees.





## THE SERVICES YOU EXPECT

### Spill Control Survey

If you operate around hazardous substances, it's essential that you are fully up-to-date with the latest Environment Agency regulations. Our Spill Control survey will assess your preparedness and advise on how to keep your spill control measures compliant.

### Hand Protection Survey

Our experienced PPE professionals will walk your site with you and suggest safety improvements, product enhancements and cost saving measures based on their observations.

### Ergonomic Matting Survey

Using ergonomic matting has proven to improve productivity by 2%. An ERIKS expert can survey your facility and identify locations where ergonomic matting will deliver the greatest benefits.

### Safety Knives Survey

By avoiding just one accident, we all gain. So, are you using the correct knife? We work closely with a specialist company who will come and provide a free site survey to ensure your processes are health and safety compliant.

### Tools Calibration

In partnership with renowned and experienced suppliers, we offer a tool calibration service for measuring tools, electrical testing equipment and torque – ranging from small tools in a UKAS accredited laboratory to larger equipment which can be calibrated on site.

### Hearing Protection

With the recent change of noise being upgraded to a Category III (risk of irreversible damage) risk, effective protection is compulsory. Our highly skilled team can help you in choosing the most appropriate protection for specific applications and offer advice and training on how to use it correctly.

### Eye Protection

One solution does not fit all. ERIKS PPE specialists provide advice on sourcing the right solution for specific applications and environments.

### Respirator Fit Testing

When and where a respirator is required is generally clear, but even the correct PPE will be ineffective if fitted incorrectly. We not only supply to most suitable equipment for the application, but we advise on and test for correct fitting.

# Thomas Safety Gloves



## Second Skin Gloves

Second Skin fit gloves are light but strong with an exceptionally tactile feel and snug fit. They have a close-fitting knitted wrist with a black polyurethane coated palm on a seamless knitted black nylon liner.

Hard-wearing and excellent dexterity for applications where fine handling is important. Conforms to EN 388 4.1.3.1



PART NO	GLOVE SIZE
THMS2420036	6
THMS2420037	7
THMS2420038	8
THMS2420039	9
THMS2420040	10
THMS2420047	11

## Second Skin Gloves

Second Skin fit gloves are light but strong with an exceptionally tactile feel and snug fit. They have a close-fitting knitted wrist with a white polyurethane coated palm on a seamless knitted white nylon liner.

Hard-wearing and excellent dexterity for applications where fine handling is important. Perfect for inspection jobs where the use of white gloves is desirable. Conforms to EN 388:2003 4.1.3.1



PART NO	GLOVE SIZE
THMS2420031	6
THMS2420032	7
THMS2420033	8
THMS2420034	9
THMS2420035	10
THMS2420046	11

## Secure Grip Gloves

High quality grey nitrile foam palm coating on a seamless 13g white nylon liner for extra comfort. Open back style allows excellent breathability.

Tight fitting to for maximum dexterity for the most tactile of applications. Elasticated knitted wrist for a snug fit. Conforms to EN 388:2003 4.1.2.1

PART NO	GLOVE SIZE
THMS2420011	6
THMS2420012	7
THMS2420013	8
THMS2420014	9
THMS2420015	10
THMS2420042	11



WEBSHOP  
shop.eriks.co.uk





## Ultimate Flex Gloves

Designed and developed as a breathable glove, the Ultimate Flex has a 15g nylon/spandex grey liner with a black nitrile foam palm coating. Ideal glove for precision handling in dry environments.

Suitable for a wide variety of applications such as packaging, logistics and warehousing, using tools and instruments, wiring operations, automotive and construction.

Conforms to EN 388:2003 4.1.3.1

PART NO	GLOVE SIZE
THMS2420021	6
THMS2420022	7
THMS2420023	8

PART NO	GLOVE SIZE
THMS2420024	9
THMS2420025	10
THMS2420044	11



## Ultimate Flex Pro Gloves

The Ultimate Flex Pro glove offers cutting-edge nitrile micro-foam technology with a black palm coating on a 15g grey nylon/spandex liner.

Extremely comfortable for prolonged wear. Excellent dexterity, sensitivity, tactility and fit. Superior grip and abrasion resistance. Good for both wet and dry applications such as handling oily components. Conforms to EN 388:2016 4.1.3.1X

PART NO	GLOVE SIZE
THMS2420026	6
THMS2420027	7
THMS2420028	8

PART NO	GLOVE SIZE
THMS2420029	9
THMS2420030	10
THMS2420045	11



## Cut Resistant3 HPPE Gloves

The HPPE 13g cut resistant grey liner is super-lightweight and flexible for optimum comfort and dexterity.

Grey polyurethane palm coating gives excellent handling performance in dry or slightly wet oily environments as it channels liquids away from the glove surface. Cut level 3 protection for applications with medium cut risk. Conforms to EN 388:2003 4.3.4.1

PART NO	GLOVE SIZE
THMS2420016	6
THMS2420017	7
THMS2420018	8

PART NO	GLOVE SIZE
THMS2420019	9
THMS2420020	10
THMS2420043	11



## Cut D LDMF Gloves

Designed for a wide range of industrial applications offering the highest EN 388 abrasion resistance rating coupled with a low DMF PU coating, the Cut D LDMF provides users with unparalleled protection, durability and flexibility.

PART NO	GLOVE SIZE
THMS2420086	6
THMS2420087	7
THMS2420088	8

PART NO	GLOVE SIZE
THMS2420089	9
THMS2420090	10
THMS2420091	11



# Thomas Diamond Cut



**Durability without the price tag, for performances that last**

## Diamond Cut B PU Gloves

PU coated with cut level B protection in an ultra-light weight, ergonomic and extremely breathable glove, offering easy natural hand movements, dexterity for delicate precision work and a firm confident grip.

Due to the use of thin, but remarkably strong Dyneema® Diamond Technology cut resistant fibres, THORMASAFE Diamond Cut B offers enhanced comfort whilst being incredibly tactile, allowing for better feel and control for delicate and natural movements. It radiates heat away from the hand, keeping it cool and dry and promotes all day wear. Conforms to EN 388:2016 3X42B

### A remarkable cost saving solution

- Much longer lifespan and higher level of performance than alternatives
- Abrasion and tear resistant for increased durability – extended life – reduced glove purchasing costs
- Excellent dirt masking properties and washable
- Exceptional comfort and breathability – promotes active use and thus reduces injuries and injury leave days



PART NO	GLOVE SIZE
THMS2420200	6
THMS2420201	7
THMS2420202	8

PART NO	GLOVE SIZE
THMS2420203	9
THMS2420204	10
THMS2420205	11

## Diamond Cut B NF Gloves

Nitrile Foam coated glove, with cut level B protection in an ultra-light weight, ergonomic and extremely breathable glove offering easy natural hand movements, dexterity for delicate precision work and a firm confident grip.

Due to the use of thin, but remarkable strong Dyneema® Diamond Technology cut resistant fibres, THORMASAFE Diamond Cut B offers enhanced comfort while being incredibly tactile, allowing for better feel and control for delicate and natural movements. It radiates heat away from the hand, keeping it cool and dry and promotes all day wear. Conforms to EN 388:2016 4X42B

### A remarkable cost saving solution

- Much longer lifespan and higher level of performance than alternatives
- Abrasion and tear resistant for increased durability – extended life – reduced glove purchasing costs
- Excellent dirt masking properties and washable
- Exceptional comfort and breathability – promotes active use and thus reduces injuries and injury leave days

PART NO	GLOVE SIZE
THMS2420206	6
THMS2420207	7
THMS2420208	8
THMS2420209	9
THMS2420210	10
THMS2420211	11





## Diamond Cut D PU Gloves

Utilising the worlds most advanced cut resistant fibre, Dyneema® Diamond Technology, THORMASAFE Diamond Cut D PU delivers a high level of cut protection without the use of steel or glass fibre. Ultra lightweight and breathable, Diamond Cut gloves radiate heat away from the hand, keeping it cool and dry.

Due to the use of thin, but remarkably strong fibres, the glove is incredibly tactile, allowing for better feel and control for delicate and natural movements without any of the discomfort or brittleness of steel or glass fibres. Diamond Cut gloves can endure the most challenging of conditions to provide all-day protection. Conforms to EN 388:2016 4X43D

### A remarkable cost saving solution

- Much longer lifespan and higher level of performance than alternatives
- Abrasion and tear resistant for increased durability – extended life – reduced glove purchasing costs
- Excellent dirt masking properties and washable
- Exceptional comfort and breathability – promotes active use and thus reduces injuries and injury leave days

PART NO	GLOVE SIZE
THMS2420218	6
THMS2420219	7
THMS2420220	8

PART NO	GLOVE SIZE
THMS2420221	9
THMS2420222	10
THMS2420223	11



## Diamond Cut D NF Gloves

Utilising the worlds most advanced cut resistant fibre, Dyneema® Diamond Technology, THORMASAFE Diamond Cut D NF delivers a high level of cut protection without the use of steel or glass fibre. Ultra lightweight and breathable, Diamond Cut gloves radiates heat away from the hand, keeping it cool and dry.

Due to the use of thin, but remarkable strong fibres, the glove is incredibly tactile, allowing for better feel and control for delicate and natural movements without any of the discomfort or brittleness of steel or glass fibres. Diamond Cut gloves can endure the most challenging of conditions to provide all-day protection. Conforms to EN 388:2016 4X43D

### A remarkable cost savings solution

- Much longer lifespan and higher level of performance than alternatives
- Abrasion and tear resistant for increased durability – extended life – reduced glove purchasing costs
- Excellent dirt masking properties and washable
- Exceptional comfort and breathability – promotes active use and thus reduces injuries and injury leave day

PART NO	GLOVE SIZE
THMS2420224	6
THMS2420225	7
THMS2420226	8
THMS2420227	9
THMS2420228	10
THMS2420229	11



**Tech**  
DIRECT

## Gloves

**Ansell**

### AlphaTec® 58-735

Don't compromise between chemical or cut protection, have both!

**Features:**

- Nitrile barrier provides advanced chemical protection from many frequently used chemicals
- INTERCEPT™ Technology provides ISO C cut protection
- AQL 0.65
- ANSELL GRIP™ Technology for the handling of wet or oily parts providing enhanced dexterity, grip and comfort

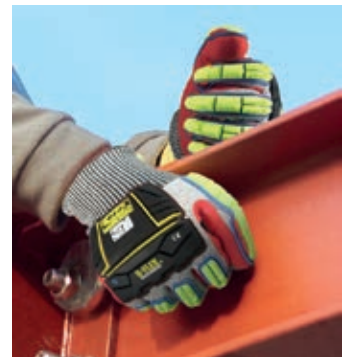


### Ringers® 065 R-Flex®

Cut protection and highest dexterity available.

**Features:**

- Breathable knit shell offers cut resistances
- TPR impact protection on top of hand and full length of fingers
- Half-dipped nitrile coating on palm with sandy finish for enhanced grip
- High visibility for increased safety
- Touchscreen compatible index, middle and thumb tips
- Superior grip on wet and dry surfaces



### TouchNTuff® 92-600

The world's leading disposable glove for chemical splash protection.

**Features:**

- Ansell's best-selling glove
- Made with proprietary nitrile formulation for enhanced chemical protection and increased comfort
- Robust nitrile enhances mechanical protection
- AQL 1.5



### HyFlex® 11-840

Extreme durability and superior fit for precision handling.

**Features:**

- These industrial hand gloves offer FORTIX™ Abrasion Resistance Technology for enhanced durability
- Ideal nitrile-coated work gloves with up to 2x the grip for safer handling
- Enhanced breathability for even better comfort
- Food Approved



**ERIKS**

0121 508 6000





# Gloves

## Ansell

### AlphaTec® 53-001

One glove with the benefits of two. Multi-barrier chemical protection.

#### Features:

- Innovative multi-layer polymer design - nitrile/neoprene/nitrile layers
- Provides chemical protection against a wide range of chemicals from acids and bases to hydrocarbons and organic solvent
- Tested according to EN ISO 374:2016, permeation time >30 minutes against 13 chemicals out of 18 listed
- Features MICROCHEM™ chemical barrier technology providing superior protection for use in hazardous environments
- ANSELL GRIP™ Technology for the handling of wet or oily parts
- Oeko-Tex® Standard 100 Approved



### EDGE® 48-919

Cost effective solution for light weight applications requiring a durable coating and secure grip in oily environments.

#### Features:

- Good combination of grip & oil repellence
- Excellent abrasion resistance
- Double layer nitrile coating keeps hands dry and comfortable when handling oily parts and tools
- In compliance with the standards EN420 (General requirements) and EN388 (Mechanical hazards)
- Elastic knit-wrist ensures snug fit
- Applicable in oily environments



### Edge 48-929

Cost effective solution for medium weight applications requiring cut resistance, excellent grip and strong oil-repellence.

#### Features:

- Good combination of cut resistance, grip & oil-repellence.
- Excellent abrasion resistance
- Double layer nitrile coating keeps hands dry and comfortable when handling oily parts and tools.
- In compliance with the standards EN420 (General requirements) and EN388 (Mechanical hazards).
- Elastic knitwrist ensures snug fit.
- Applicable in oily environments.



# Safety Footwear



The innovative design of THORMAS safety shoes and boots promote wearer comfort and ensure better protection of the foot, relieving pressure on both the feet and back.

The component parts of the safety footwear are processed in such a way that no internal materials irritate the foot. Technical textile materials, such as MS3, are primarily used for the anti-perforation sole. This makes it possible to cover the entire sole as opposed to a steel plate, which offers no protection around the outer edge.

Additionally, MS3 textile offers better protection in cold and warm temperatures. MS3 textile anti-perforation sole also provides more sole flexibility and improved walking comfort.

## THS3-2

### Standards and certifications:

ISO 20345:2011  
ISO 9001:2008  
EN 12568  
EEG/89/686  
S3SRC



### Features:

- Composite toe cap resists pressure of 200 J
- Anti-perforation sole made from MS3 textile
- Rubber toe reinforcement helps resist wear
- Scuff pad allows more 'give' at point where foot flexes
- Quality uppers stabilises and supports foot
- TPU heel support and shock absorbing comfort sole
- Oil and petrol resistant
- HRO resistant to 300°C contact heat
- Reflective accents for high visibility
- Ladder grip prevents slipping

PART NO	SIZE
THMS2440501	5
THMS2440502	6
THMS2440503	6.5
THMS2440504	7
THMS2440505	8
THMS2440506	9
THMS2440507	9.5
THMS2440508	10
THMS2440509	11
THMS2440510	12

## TLS3-2

### Standards and certifications:

ISO 20345:2011  
ISO 9001:2008  
EN 12568  
EEG/89/686  
S3SRC



### Features:

- Composite toe cap resists pressure of 200 J
- Anti-perforation sole made from MS3 textile
- Rubber toe reinforcement helps resist wear
- Scuff pad allows more 'give' at point where foot flexes
- Quality uppers stabilises and supports foot
- TPU heel support and shock absorbing comfort sole
- Oil and petrol resistant
- HRO resistant to 300°C contact heat
- Reflective accents for high visibility
- Ladder grip prevents slipping

PART NO	SIZE
THMS2440512	5
THMS2440513	6
THMS2440514	6.5
THMS2440515	7
THMS2440516	8
THMS2440517	9
THMS2440518	9.5
THMS2440519	10
THMS2440520	11
THMS2440521	12





## Ear Protection



### Earplug Disposable Uncorded

Disposable uncorded earplugs made of extra-soft, extra light polyurethane foam. Their tapered shape fits easily in the ear canal, allowing them to expand and seal gently and snugly without pressure.

The outer surface of the earplug is smooth, so it doesn't irritate the ear canal. SNR 36dB. Conforms to EN 352-2



#### PART NO

THMS2410001

### Earplug Disposable with Cord

Disposable corded earplugs made of extra-soft, extra light polyurethane foam. Their tapered shape fits easily in the ear canal, allowing them to expand and seal gently and snugly without pressure.

The outer surface of the earplug is smooth, so it doesn't irritate the ear canal. SNR 36dB. Conforms to EN 352-2



#### PART NO

THMS2410002

### Earplug Reusable with Cord

Reusable corded earplug made of soft silicone for greater comfort and improved hearing protection.

Washable. Compact design for easy storage. SNR 28dB. Conforms to EN 352-2



#### PART NO

THMS2410011

### Earplug Disposable Metal Detectable Corded

Metal detachable corded disposable earplugs ideal for food processing applications.

For extra safety and convenience the earplugs are linked by a cord to reduce the risk of loss. SNR 36dB. Conforms to EN 352-2



#### PART NO

THMS2410003

### Earplug Reusable Uncorded

Reusable uncorded earplug made of soft silicone for greater comfort and improved hearing protection.

Washable. Compact design for easy storage. SNR 28db. Conforms to EN 352-2



#### PART NO

THMS2410010

### Storage Box for Silicone Earplug

Conveniently sized to fit in bags and pockets, this storage box will keep your silicone earplugs safe and clean.



#### PART NO

THMS2410015

# Safety Glasses



## Safety Glasses with Virtually Unbreakable Lenses

Virtually unbreakable, THORMASAFE safety glasses offer excellent visibility while ensuring a high level of protection that makes sure you go home with your vision intact. In addition to its innovative crush, bend and impact resistant material, it also comes equipped with UV protection, anti-scratch and anti-fog properties.

- Weight: 23g
- Impact resistance: F
- UV Protection: UV 380 degrees
- Anti-fog, anti-scratch
- 91-99% absorption

### PART NO

THMS24100050



## Visitors Safety Glasses

THORMASAFE TSVGC visitor's glasses provide exceptional protection against airborne particles in a lightweight polycarbonate wraparound frame that can be worn on their own or over prescription spectacles.

- Lightweight (44 grams) comfort
- Anti-scratch and anti-mist
- Large viewing area
- Integrated side shields and a clear polycarbonate lens
- Suitable for nearsighted glasses use
- Soft nose pad

### PART NO

THMS24100051



## Safety Glasses with TSSG-FLEX

- Weight: 31g
- Available with clear, brown and yellow lenses

### PART NO

TSSG-FLEX-B, TSSG-FLEX-HD, TSSG-GLEX-C



## Safety Glasses with TSSG-PAX

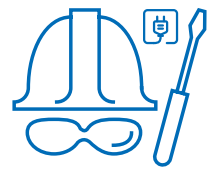
- Available with clear and black frames
- Available with clear or green lenses
- Anti-mist and anti-scratch lenses

### PART NO

TSSG-PAX-C, TSSG-PAX-G







# Spill Control

## Are you operating safely?

Cleaning is an everyday chore, but keeping your workplace clean and hazard free is important in your duty to safeguard both employees and your customers from potential accident and injury.

ERIKS' Spill Control Survey provides an understanding of:

- How to store hazardous and non-hazardous substances
- How to deal with spills
- What are the correct spill control solutions
- How to keep spill control measures compliant



Call 0121 508 6000 or visit  
[eriks.co.uk](https://eriks.co.uk)

Let's make industry work better

**ERIKS**

## Personal Protection

# Honeywell

### A800 Safety Glasses

#### Fog-Ban Glasses

Affordable and economically priced! Sporty, wrap-around eyewear with unique temples with extra “Flex™” built in for increased tension control.

#### Features:

- Scratch-resistant hardcoating or optional Fog-Ban® anti-fog coating
- Sporty, 9-base wrap-around polycarbonate lens
- Non-slip rubber nose bridge
- Unique temples with soft, padded inserts down the length of the temple



#### PART NO

SPRN1015369

### Bionic Faceshield

#### Anti-Mist & Anti Scratch

Advanced ergonomic design with extended chin and top-of-head protection, and a ratcheting headgear mechanism for a secure and comfortable fit. Comfortable fit with goggles or breathing protection. Locking mechanism for greater security.

#### Features:

- 2,784 possible adjustment positions
- Lightweight, balanced, ergonomic design for extended use
- 100% dielectric
- Breathable, removable, washable headband



#### PART NO

SPRN1011624

### Laser Lite Single-Use Earplug

#### Highly Visible Protection

Laser Lite's low-pressure foam expands gently inside the ear canal for comfortable long-term wear, while its contoured T-shape delivers easy handling. Its high visibility magenta and yellow colours make compliance checks quick and easy.

#### Features:

- Vibrant colours make protection visible
- Self-adjusting polyurethane foam expands to fit virtually every wearer
- Contoured T-shape for easy insertion and wear
- Smooth, soil-resistant closed cell-foam skin prevents dirt build-up



#### PART NO

HLGTLITE/200

# ERIKS

0121 508 6000





# Respirators & Accessories

## 3M™ Aura™ 9300+Gen3



### Third generation respirator

Safety and comfort are a top priority at 3M. The third generation of Aura™ respirators brings a number of improvements, combining impressive new technology and ergonomic design. The new Cool Flow-Comfort Valve opens more easily to reduce heat inside, delivering a more comfortable wearer experience.

#### Features:

- Easier to put on
- New grip feature on the valve enables easier opening of the respirator to simplify positioning
- Integrated nose clip for personal customisation
- Enhanced durability without compromising comfort
- Colour coded for easy identification (Blue for FFP2, red for FFP3)
- Opens 37% easier
- Allows more than 36% extra air flow through the valve

PART NO	DESCRIPTION
MMM 9320+Gen3	3M™ Aura™ Particulate Respirator 9320+Gen3, Unvalved, FFP2, 240/CASE
MMM 9322+Gen3	3M™ Aura™ Particulate Respirator 9322+Gen3, Valved, FFP2, 120/CASE
MMM 9330+Gen3	3M™ Aura™ Particulate Respirator 9330+Gen3, Unvalved, FFP3, 240/CASE
MMM 9332+Gen3	3M™ Aura™ Particulate Respirator 9332+Gen3, Valved, FFP3, 120/CASE



## 3M™ PELTOR™ Wireless Communication Accessory



### Designed for X Series Earmuffs

Make the smart choice and protect your hearing without sacrificing communication on the job site. With the 3M™ PELTOR™ Wireless Communication Accessory, you can keep working — and communicating — in loud settings. Featuring a noise-cancelling microphone, it instantly turns your 3M™ PELTOR™ X Series Earmuffs into a hands-free wireless communications device for use in noisy environments. That's hearing protection and communication without compromise — that's how X Series works smarter.

PART NO	DESCRIPTION	PER BOX	BOXES PER CASE	PER CASE
MMM-WS-CUSH	3M™ PELTOR™ Wireless Communication X Series Earmuff Accessory	1	10	10

#### COMPATIBLE WITH 3M PELTOR X SERIES EARMUFFS

PEL-X1A	PELTOR X1 Earmuffs headband	1	10	10
PEL-X1P3	PELTOR X1 Earmuffs helmet attachment	1	10	10
PEL-X2A	PELTOR X2 Earmuffs headband	1	10	10
PEL-X2P3	PELTOR X2 Earmuffs helmet attachment	1	10	10
PEL-X3A	PELTOR X3 Earmuffs headband	1	10	10
PEL-X3P3	PELTOR X3 Earmuffs helmet attachment	1	10	10
PEL-X4A	PELTOR X4 Earmuffs headband	1	10	10
PEL-X4P3	PELTOR X4 Earmuffs helmet attachment	1	10	10
PEL-X5A	PELTOR X5 Earmuffs headband	1	10	10
PEL-X5P3	PELTOR X5 Earmuffs helmet attachment	1	10	10

#### Features:

- Noise cancelling microphone
  - Assembles in seconds
  - 8 hours talk/streaming time
  - Resistant to harsh environmental elements (IP54)
  - One-button operation
- \*Earmuffs sold separately



Works with most 3M™ PELTOR™ X Series Earmuffs.



## Coveralls

### AlphaTec® 1500 PLUS (ex. Microgard)

AlphaTec® 1500 PLUS is a highly breathable anti-static SMS fabric which utilises the latest developments in micro fibre technology to ensure good filtration efficiency.



#### Features:

- Protection – proven to filter 99.9% of particles >3 microns
- Comfort – air and water vapour permeable
- Silicone-free
- Anti-static – tested according to EN 1149-5
- Optimised body fit for improved comfort

#### PART NO

ORVBL15S00111

ORVWH15S00111

Sizes: S-XXL

**Ansell** AlphaTec®

### AlphaTec® 2000 STANDARD (ex. Microgard)

AlphaTec® 2000 STANDARD provides both protection and comfort with exceptional liquid and particulate protection. Ideal for a wide range of industrial applications.



#### Features:

- Protection – excellent liquid penetration and barrier to fine particles (>0.01 microns)
- Comfort – moisture vapour permeable
- Silicone-free
- Low-linting
- Anti-static – tested according to EN 1149-5

#### PART NO

ORVWH20B00111

Sizes: S-XXL

### AlphaTec® 3000 (ex. Microchem)

AlphaTec® 3000 is one of the lightest and most comfortable chemical protective garments on the market. Featuring a soft and flexible 3-layer fabric, strong ultrasonically welded seams and an effective chemical barrier against most inorganic chemicals.



#### Features:

- 2-piece elasticated hood
- Ultrasonically welded seams
- Double-zip closure
- Anti-static - tested according to EN 1149-5
- Elasticated waist and double cuffs

#### PART NO

ORVYE30W0011

Sizes: S-XXL

### AlphaTec® 4000 (ex. Microchem)

AlphaTec® 4000 is designed to provide an exceptional barrier against organic and inorganic chemicals and biological agents. A unique multi-layer barrier fabric renowned for its lightweight, yet robust textile.



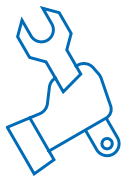
#### Features:

- 2-piece elasticated hood
- Ultrasonically welded and taped seams
- Elasticated waist and double cuffs
- Double zip closure
- Anti-static - tested according to EN 1149-5

#### PART NO

ORVGR40T00111

Sizes: S-XXL



# Site Services

## Enhanced reliability, greater productivity

- Installation and commissioning
- Routine and scheduled maintenance
- Preventative and predictive maintenance
- Root cause failure analysis and rectification
- On-site inspection and testing
- Fitting and alignment service
- Lubrication services
- Dedicated team of time served engineers
- Best practice and compliance
- HSEQ Compliant safe Systems of Work



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[eriks.co.uk](https://eriks.co.uk)

Let's make industry work better

**ERIKS**

## Workwear



### B0178 Chester Trainer (Black / Green)

#### Features:

- Anti-static footwear
- Water resistant upper to prevent water penetration
- 200 Joules resistant toe-cap /Hydrocarbons resistant
- Puncture resistant sole / Men & Women's sizes available



### B0177 Chester Top Boot (Black / Green)

- Anti-static footwear
- Water resistant upper to prevent water penetration
- 200 Joules resistant toe-cap
- Puncture resistant sole / Men & Women's sizes available



### FC15 Portwest Compositelite Derwent Boot SIP (Black / Red)

Stylish, modern design providing maximum comfort without compromising on safety. The Derwent boot is 100% non-metallic with fibreglass toecap and anti-penetration midsole. Cement constructed with EVA/rubber sole provides superior grip and energy absorption. Superb cushioned comfort footbed reducing foot fatigue.

- Composite toecap for added protection
- Lightweight Composite PU cushioned midsole
- Anti-static footwear / CE Certified
- SRC - Slip resistant outsole to prevent slips and trips on ceramic and steel surfaces / Fuel and oil resistant outsole



### S590 Extreme Parka Jacket (Orange or Yellow)

This premium jacket offers superb comfort in all weathers and is engineered for maximum performance. Waterproof and breathable to the highest standards, this jacket boasts a multitude of features including eight pockets for convenient storage and a full length superior 2-way zip fastening. An interactive zipper allows the insertion of a fleece jacket for additional insulation if required.

- Premium stain resistant finish repels oil, water and grime
- Reflective tape for increased visibility
- Double Storm Flap
- Hook and loop cuffs for a secure fit / CE Certified



### S591 Extreme Bomber Jacket (Orange or Yellow)

This shorter length jacket sits comfortably on the hips to give excellent ease of movement whilst retaining heat and keeping wind and rain out. The internal zip secure pockets and large lower storage pockets allow gloves and hoods to be stored securely when not in use.

- Premium stain resistant finish repels oil, water and grime
- Reflective tape for increased visibility
- Phone pocket
- Zip opening with concealed press studs / CE Certified





## Workwear



### S597 Extreme Trousers (Orange / Yellow)

Waterproof, windproof and breathable, this trouser features an elasticated waistband and inner drawcord adjustment for a comfortable fit. Undergarments can be easily accessed through side access pockets. Zip fastening at the side leg allows for easy fitting over work boots.

- Reflective tape and piping for increased visibility
- Drawcord adjustable waist for a comfortable fit
- Fully elasticated waistband for ultimate wearer comfort
- CE Certified



### DX440 DX4 Detachable Holster Pocket Trousers (Black)

The DX4 Holster Trousers are ergonomically designed and use the targeted placement of dynamic 4X stretch fabrics to give maximum range of movement when working. The trousers feature a high-rise back waistband with side elastics, ensuring protection in all working positions. Pre-bent top loading adjustable knee pad pockets, generously sized front pockets and multi-functional zip thigh pockets.

- Free pair of kneepads included with this trousers
- Two tier knee pad pockets allowing two positioning options
- Multiple side zip compartments for secure storage
- 16 pockets for ample storage



### DX472 – DX4 Zipped Hoodie (Metro Blue)

The DX4 Zipped Hoodie is innovative and technical with a two-faced fabric that provides lightweight warmth and unrestricted movement. Two zipped chest and side entry pockets offer plenty of secure storage space. The full zip on the front has a rubber puller for easy grip and the adjustable hood provides a close fit. A contemporary option for the modern worker.

- Moisture wicking fabric helping to keep the body warm, cool and dry
- 6 pockets for ample storage
- Chin guard for added comfort and stability
- Ergonomically shaped hood for a perfect fit



### DX474 DX4 Softshell Jacket

The DX4 Softshell Jacket is precision engineered using a revolutionary breathable, waterproof and windproof ripstop fabric. Its sports inspired design includes longer back length, dynamic shaped sleeves, adjustable cuffs, reflective trims and multiple secure pockets for ample storage. An ideal choice for the modern worker.

- Dynamic inner contrasting fabric
- 6 pockets for ample storage
- Free notepad included with this DX4 Garment
- Sizes Available S - 3XL



### DX460 DX4 Winter Jacket (Black or Blue)

The DX4 Winter Jacket uses dynamic stretch and highly insulating fabric that guarantees warmth and comfort. The ergonomic profile and raglan sleeves allow for an unrestricted range of motion and greater freedom of movement. Its longer back length, wind cuffs and adjustable hood provide extra protection against the elements.

- Waterproof keeping the wearer dry and protected from the elements
- 5 pockets for ample storage
- Detachable & Drawcord hood and hem for a secure and comfortable fit
- Sizes available S – 3XL



# 3-Step Industrial Skin Care Programme

**SC Johnson**  
PROFESSIONAL  
A Family Company®

## STEP 1: Protect

### Stokoderm® Protect PURE

- Universal pre-work cream to help protect skin against water and non-water based workplace contaminants, e.g. oils and detergents
- Food industry compatible
- Perfume-free and dye-free
- Suitable for use with latex, vinyl and nitrile gloves

PART NO	DESCRIPTION	SIZE	PACK QTY
DEB-UPW100ml	Stokoderm Protect PURE Tube	100ml	12
DEB-UPWIL	Stokoderm Protect PURE Cartridge	1L	6
DEB-PROILDSEN	Deb Protect Dispenser	1L	1



## STEP 2: Cleanse Light/Medium

### Estesol® FX™ POWER FOAM

- Unique light/medium industrial foam hand cleaner with powerful cleaning action
- Formulated to efficiently remove dirt, oil, grease and grime
- Clinically proven to care for the skin
- Skin hypoallergenic
- Only one dose required for effective clean
- Available in Estesol® FX™ PURE, perfume-free and dye-free for food manufacturing areas
- EU Ecolabel certified



PART NO	DESCRIPTION	SIZE	PACK QTY
DEB-EFM1L	Estesol FX	1L	6
DEB-EFM2LT	Estesol FX	2L	4
DEB-EPU1L	Estesol FX PURE	1L	6
DEB-EPU2LT	Estesol FX PURE	2L	4
DEB-EFMILDSEN	Estesol FX Dispenser	1L	1
DEB-EFM2LDPEN	Estesol FX Dispenser	2L	1

## STEP 2: Cleanse Heavy

### Solopol® GFX™ POWER FOAM

- Unique and powerful solvent-free industrial foam hand cleaner with natural scrubbers for removing medium to heavy soilings, including oils, greases, carbon black and lubricants
- Gentle on the skin and containing moisturisers, it leaves hands feeling smooth and conditioned
- Rapid, deep cleaning action with easy rinse
- Efficient, economical foam formula with only one dose required
- Provides 43% more hand washes than traditional hand cleaners
- EU Ecolabel certified



PART NO	DESCRIPTION	SIZE	PACK QTY
DEB-GPF3LEURO	Solopol GFX	3.25L	4
DEB-GF3LDXEN	Solopol GFX Dispenser	3.25L	1

## STEP 3: Restore

### Stokolan® Light PURE

- Universal after-work cream for moisturising and conditioning the skin
- Perfume-free and dry-free mild formulation suitable for those with allergies and sensitive skin
- Absorbs quickly and is non-greasy
- Non-tainting to food, suitable for use under latex, vinyl and nitrile gloves

PART NO	DESCRIPTION	SIZE	PACK QTY
DEB-RES100ML	Stokolan Light Pure	100ml	12
DEB-RESIL	Stokolan Light Pure	1L	6
DEB-RESILDSEN	Deb Restore Dispenser	1L	1







# Torque Wrenches and Measurement

## TruCheck 25

This TruCheck torque tester is ideal for checking torque screwdrivers and small torque wrenches. It comes with a single measurement unit, Nm. There is only one button on the device and that is to zero the display. Operation is simplicity in itself and it is virtually impossible to go wrong!



### Features:

- Accuracy of  $\pm 1\%$
- Supplied with a Traceable Calibration Certificate
- Allows torque tool performance to be monitored and tools kept in peak condition
- Basic version has no settable options. Ideal for non-expert users
- Supplied with Auto Ranging Power Supply Unit
- Drive Size: 1/4" male hexagon [horizontal] - supplied with 1/4" and 3/8" female sq. dr. adaptors

PART NO	DESCRIPTION
NOR43221	TruCheck 1- 25 Nm

## ClickTronic

ClickTronic combines the accuracy, durability and comfort from the mechanism of the tried and tested Professional wrench with a new dynamic, easy to use, digital display all packaged in a sleek, aesthetically appealing product.

### Features:

- Organic Light-Emitting Diode (OLED) screen provides a clear and easy to read display
- The ClickTronic is programmed to offer twelve different torque units
- Factory calibrated to  $\pm 3\%$ , our tried and tested mechanism ensures that the accuracy is retained for longer
- Supplied with a Calibration Certificate, which meets the requirements of ISO 6789-2:2017
- Ergonomic new two piece injection moulded handle encompasses advanced technology that transfers an uninterrupted and consistent mechanical movement of the adjusting screws into a digital reading on the scale
- Secure push/pull adjustment knob is quick and intuitive to use and prevents accidental wrench adjustment
- Unique on a torque wrench, the TimeStrip® gives a visual indication that the wrench is due for re-calibration



PART NO	DESCRIPTION
NOR15152	ClickTronic 50, 3/8", 10 – 50 Nm [Automotive Ratchet]
NOR15153	ClickTronic 50, 1/2", 10 – 50 Nm [Automotive Ratchet]
NOR15154	ClickTronic 100, 3/8", 20 – 100 Nm [Automotive Ratchet]
NOR15155	ClickTronic 100, 1/2", 20 – 100 Nm [Automotive Ratchet]
NOR15156	ClickTronic 200, 1/2", 40 – 200 Nm [Automotive Ratchet]
NOR15166	ClickTronic 50, 3/8", 10 – 50 Nm [Industrial Ratchet]
NOR15167	ClickTronic 100, 1/2", 20 – 100 Nm [Industrial Ratchet]
NOR15168	ClickTronic 200, 1/2", 40 – 200 Nm [Industrial Ratchet]
NOR15157	ClickTronic 200, 1/2", 60 – 300 Nm [Industrial Ratchet]
NOR15158	ClickTronic 200, 1/2", 68 – 340 Nm [Industrial Ratchet]

## TruCheck 350

The TruCheck is for click type torque wrenches and comes with a single measurement unit, Nm. There is only one button on the device and that is to zero the display. Operation is simplicity itself and it is virtually impossible to go wrong!

PART NO	DESCRIPTION
NOR43255	TruCheck 1- 25 Nm

### Features:

- Accuracy of  $\pm 1\%$
- Supplied with a Traceable Calibration Certificate
- Allows torque tool performance to be monitored and tools kept in peak condition
- Basic version has no settable options. Ideal for non-expert users
- Supplied with Auto Ranging Power Supply Unit
- Drive Size: 1/2"



# Metal Cutting Tools

## 90° Countersink Set

- Metric set (Plastic case) containing G136 HSS 90° straight shank countersinks
- For production of 90° countersinks in most materials
- Can also be used as a de-burring tool
- Bright finish, 3 flute, ground all over



### PART NO

DORG236-1

## A002 TiN Tipped Jobber Drill

Numerous aspects of Dormer's renowned A002's design contribute to its outstanding all-round capabilities

- Special 118° four facet point enables excellent centring
- Titanium Nitride (TiN) coating not only resists wear but also reduces friction.
- Thick web design optimises the structural strength of the drill



### PART NO

DORA002-XX [XX = Size Required]

## Burrs

Dormer's range of carbide burrs is a high quality, comprehensive program which includes designs and shapes to offer a solution for the majority of applications in all major industry segments.



- Cut styles include aluminium and double cut
- Toughened and hardened steel shanks
- Special brazing elements provide excellent braze strength
- Ball Nose Geometry, skip flute grinding
- TiAlN Coating

## HSS Tap and Drill Set

- Brand new 14pc set
- Features E500 straight flute taps and A002 TiN coated jobbers
- Ideal for a wide range of general purpose machining applications
- Contains M3-M12 taps and equivalent pre-tapping drill sizes



### PART NO

DORLI15NO101

## L000 Hand Tap-Drill Set

HSS ISO straight flute tap [E500] for threading through or blind holes up to 1.5XD in most materials.

- NEW 2-piece set featuring metric tap and pre-drill hole in one convenient package
- Makes selection of tap and correct pre-hole drill simple
- Brand new packaging concept features twist-lock closure and transparent lid
- Packaging incorporates euro slot hanger making it ideal for retail display
- Features the A002 split point jobber drill and a choice of ISO hand or ISO/DIN machine taps for both through or blind holes



## L001 DIN Tap-Drill Set

HSS-E DIN spiral point [EP006H] or spiral flute [EX006H] machine taps for threading up to 2.5XD in most materials.

- NEW 2-piece set featuring metric tap and pre-drill hole in one convenient package
- Makes selection of tap and correct pre-hole drill simple
- Brand new packaging concept features twist-lock closure and transparent lid
- Packaging incorporates euro slot hanger making it ideal for retail display
- Features the A002 split point jobber drill and a choice of ISO hand or ISO/DIN machine taps for both through or blind holes



## L002 ISO Tap-Drill Set

HSS-E ISO spiral point [E000] or spiral flute [E002] machine taps for threading up to 2.5XD in most materials.

- NEW 2-piece set featuring metric tap and pre-drill hole in one convenient package
- Makes selection of tap and correct pre-hole drill simple
- Brand new packaging concept features twist-lock closure and transparent lid
- Packaging incorporates euro slot hanger making it ideal for retail display
- Features the A002 split point jobber drill and a choice of ISO hand or ISO/DIN machine taps for both through or blind holes



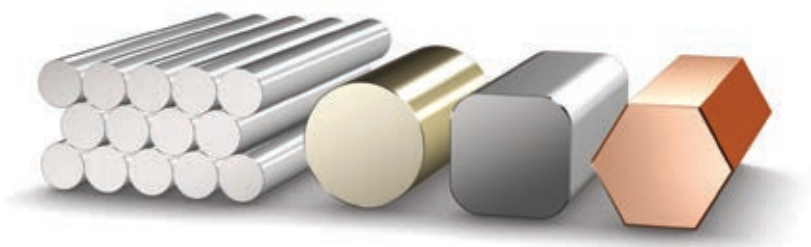


# Band Saw Blades

## Intenss™ Pro

Unique tooth geometry for intense production cutting in ferrous and non-ferrous metals. Available in a wide range of widths and pitches to suit a huge variety of cutting requirements.

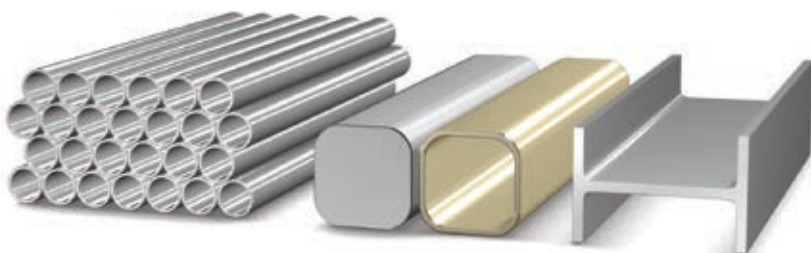
- Faster and straighter cuts
- Improved fatigue and wear resistance
- Ideal for production metal cutting
- For solids and thick wall tubes



## Versatix™ MP

Specialist tooth geometry developed for cutting structural materials. Suitable for all machines – manual, hydraulic, gravitational.

- Increased tooth strength
- Faster and straighter cuts
- Less tooth breakage
- Bundles, tubes and structural
- Small solids



WIDTH X THICKNESS		INTENS PRO	VERSATIX MP
MM	INCHES	PITCH	PITCH
19 x 0.90	3/4 x .035	3-4	
		4-6	4-6
		5-8	5-8
		6-10	6-10
			8-12
27 x 0.90	1 x .035		10-14
		2-3	
		3-4	3-4
		4-6	4-6
		5-8	5-8
34 x 1.10	1 1/4 x .024	6-10	6-10
			8-12
			10-14
		3*	
		2-3	2-3
41 x 1.30	1 1/2 x .050	3-4	3-4
		4-6	4-6
		5-8	5-8
			2-3
			3-4
54 x 1.30	2 x .050	5-8	5-8
			2-3
			3-4
			4-6
54 x 1.60	2 x .063	.8-1.3	
		1-1.2	
		1.4 - 2	
		2-3	2-3
		3-4	3-4
67 x 1.60	2 5/8 x .063		4-6
		.8-1.3	
		1-1.2	
		1.4 - 2	
			2-3
80 x 1.60	3 1/8 x .063		3-4
		.8-1.3	
		1-1.2	
		1.4 - 2	

\* BR Tooth Shape



**Tech  
DIRECT**

# Calibration Sensors, Optional Bench and Cabinets



## Facom Calibration Sensors and Optional Bench

In order to maintain accuracy and correct operation, torque wrenches need to be checked and calibrated every 5,000 clicks or every 12 months.

The E.6000 Calibration Sensors with an optional bench are the perfect companion for test teams and high torque wrench use environments. Having the ability to test (and with the added CD.12A bench) certify torque wrenches, this will reduce external calibration cost and tool downtime.

There are 6 in the range, from 0.04Nm up to 1000Nm, each sensor connects via USB to a Windows PC and is supplied with Facom Control Software that can provide a basic test or advanced test depending on your requirements.

- USB connection for use with FACOM torque calibration software which offers 2 modes (basic and advanced)
- Full range up to 1000Nm Wide range sensor accurate from 10-1000Nm
- Accuracy < 0.5% from 10-100% of the capacity
- Sensors can be used standalone for basic calibration and with CD.12A for ISO calibration
- ISO 6789 compliant accuracy < 1% across full range
- The range offers 4 sensors for torque wrenches and 2 for torque screwdrivers (relevant adapters supplied)



PART NO	DESCRIPTION
FACCD12A	Torque Calibration Bench CD.12A
FACE6000-C08	Screwdriver Sensor 0.04 - 1.2Nm E.6000-C08
FACE6000-C5	Screwdriver Sensor 0.5 – 5Nm E.6000-C5
FACE6000-C1000	High Range Torque Wrench Sensor 10 – 1000Nm E.6000-C1000
FACE6000-C30	Torque Wrench Sensor 1 – 30Nm E.6000-C30
FACE6000-C50	Torque Wrench Sensor 5 – 50Nm E.6000-C50
FACE6000-C400	Torque Wrench Sensor 20 – 400Nm E.6000-C400



## E-Access Roller Cabinets

Easy to manage, use and maintain, the FACOM E-Access Roller Cabinet is ideal for use in any type of workshop environment. Available in a choice of seven or eight drawer. Each cabinet within the workshop can be itemised and named via the E-Access mobile app using the enrolment card supplied, and users can be exclusively registered and granted/denied access rights as appropriate.

The associated mobile app also offers the ability to track information on up to 100 users, including the date, time and name of anyone who has opened a cabinet.

- Available in 7 and 8 Drawer Specification.
- Drawer Opening/Closing via user cards.
- Fast opening, no mechanism activation.
- Android compatible app.
- Stand alone system, runs on 4 standard 1.5V AAA batteries

PART NO	DESCRIPTION
FACJET.7GM3EACC	Roller Cabinet Jet E-Access 7 Drawer Black
FACJET.8GM3EACC	Roller Cabinet Jet E-Access 8 Drawer Black





## Cutting Discs and Angle Grinders



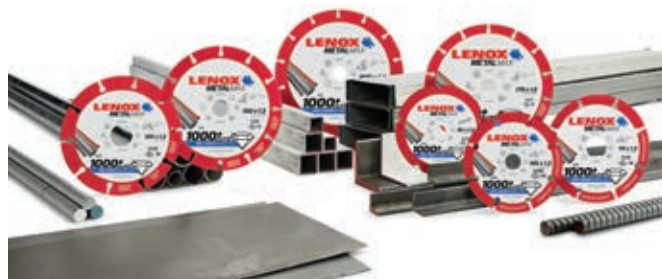
### LENOX METALMAX™ Diamond Cutting Discs

LENOX METALMAX™ is a new alternative to abrasive cut-off wheels. Its breakthrough diamond technology delivers extreme durability to help you maximise work efficiencies and reduce costs in your metal cutting jobs. Delivering 1,000+ cuts, with no need for wheel changes you could experience up to 30 times longer life than thin bonded cut-off wheels.

One wheel, multiple materials, the METALMAX™ is recommended for multiple types of metal including steel, sheet metal, stainless steel, rebar, cast iron, aluminium and non-ferrous metals, available from 3.5" up to 14" diameter.

- Durable – the blade can perform 1,000 or more cuts before wheel change
- Diameter retention – blade is made with diamonds preventing size reduction to ensure maximum cut depth throughout its life
- Safety – solid steel body greatly reduces the chance of wheel breakage or blow out
- Less dust residue – generates less odour and dust residue as the wheel doesn't wear like a bonded abrasive
- Multiple metals – works with a wide range of metals from Aluminium to stainless steel

PART NO	SIZE (DIA X THICKNESS X ARBOR)	POWER TOOL TYPE	MAX RPM
LEN2030863	3" x 0.050" x 3/8"	Die Grinder	20300
LEN2030865	4.5" x 0.050" x 7/8"	Angle Grinder	13300
LEN2030866	5" x 0.050" x 7/8"	Angle Grinder	12200
LEN2030868	7" x 0.060" x 7/8"	Angle Grinder / Circular Saw	8400
LEN2030870	9" Dimensions TBC	Angle Grinder	6650
LEN2030942	14" Dimensions TBC	Chop Saw	4300



### DEWALT DCG414T2 54V XR FlexVolt 125MM Cordless Grinder

Featuring a powerful brushless motor and high powered 54V battery the DCG414 125mm angle grinder provides the power of a corded grinder with the freedom of cordless. A heavy duty but ergonomic design provides the user with great flexibility and control across all applications. The DCG414T2 comes in a kit box with 2x 54V batteries and a fast charger.

- 54V Brushless motor enables improved performance in demanding applications
- Electronic Brake stops the wheel quickly when the trigger is disengaged
- Electronic clutch reduces the kickback reaction in the event of a pinch or stall
- A mesh cover over air intake vents restricts dust being sucked through the motor
- Two position side handle offers greater comfort and control



PART NO	DESCRIPTION
DEWDG414T2	Dewalt 54V Cordless Angle Grinder



## ATA Garryson, providing innovative cost effective solutions to the UK

### Resin Fibre Discs

Constructed with a heavy vulcanized fibre backing, Resin Fibre Discs are coated with abrasive grains and bonded with a tough, heat resistant resin, resulting in a durable, cool and fast cutting product.

- Grinding additives for cool running, optimising disc life and reduced loading
- Wide range of grit sizes from 24-120, for heavy stock removal to light finishing
- Zirconium, Aluminium Oxide and Ceramic are available, all manufactured to ISO EN13743 safety standard
- Ideal for rapid stock removal applications including weld preparation, rust and scale removal, blending and finishing



### Flap Wheels

Flap wheels are flexible and can conform to complex shapes and contours and deliver a consistent finish as flap wheel cloth wears away, continually exposing fresh abrasive cloth.

- Continuous abrasive surface area gives a longer life which reduces costs
- Aluminium oxide cloth has a tough grit for use on most materials and is suited for finer work
- Ceramic cloth remains sharper for longer periods of use for fast stock removal
- Composition of the flap wheel ensures a consistent and uniform finish and reduced vibration



### Non Woven Hand Pads

Non-Woven Hand Pads consist of a non-woven web of nylon fibres infused with abrasive grain, which makes them ideal for a variety of manual cleaning, deburring and polishing applications.

- Gentle action easily removes imperfection without affecting dimensions of the work piece
- Flexible and easy to use and resistant to clogging
- Can be used on a wide range of materials and sheets can be cut to smaller sizes
- Types/grades available
- Aluminium Oxide – Coarse, Medium, Fine, Very Fine.
- Silicon Carbide – Medium, Fine, Very Fine, Ultra Fine, Micro Fine. Size: 150mm x 230mm



### Flexidiscs® and Mini Flexidiscs®

The unique design conforms easily to contoured surfaces, making this the ideal solution for blending and finishing on large and convex surfaces, contours and profiles, in applications such as pipe fabrications, vessels, tanks, enclosures or finishing of corner welds.

- Garryson Flexidiscs® give you the ability to finish awkward areas including corners and right angles without undercutting or gouging
- Quick Change locking system on the 50mm and 75mm FlapDisc, allows you to quickly and securely change your abrasive disc and is compatible with Type R and S holders and has a strong, integral backing plate
- Garryson CERAMIQ™ Flexidiscs® and Mini Flexidiscs®, are specially designed to give maximum material removal with a significantly longer life, reducing abrasive waste
- Grits available from 36-120 in a range of diameters to conform to your application needs



### Mounted Points

Perfect for stock removal and finishing hard to reach areas that has limited access.

- Ideal for grinding and finishing on Stainless Steel, Cast Iron and High Alloy Steel
- Wide range of shapes & sizes available
- Versatile, for both small job shop applications and high volume fast cutting, grinding and finishing applications
- Vitrified mounted points allow a cool cut, with less burn and higher metal removal rates



### Shop Rolls

A necessity for any machine and maintenance shop. Tough, durable abrasive cloth, for a variety of manual cleaning, blending, de-burring and polishing operations.

- Engineered for fast cutting and flexibility so it is easy to cut or tear as required
- Excellent grain retention gives longer product life
- Full range of grit sizes from 40 – 400, with high resistance to wear
- Comes in a convenient dispenser box with 25m of cloth with widths from 25-50mm





## Flapdiscs

Garryson FlapDiscs are ideal for finishing surfaces and removing stock effectively on metals. For use in applications such as weld preparation, weld seal removal, surface blending and edge grinding. Available in Zirconium, Aluminium Oxide and CERAMIQ™ cloths with diameters from 50mm-180mm and grits 36-120.

- Zirconium Flapdiscs have a unique self-sharpening action, suited to hard materials and aggressive material removal with significantly longer life compared to standard sanding discs
- Heavy duty Aluminium Oxide Flapdiscs are perfect for general purpose use on steels and alloys and are suited for finer finishing requirements
- Garryson CERAMIQ™. This smart abrasive gives you 40% longer life compared to traditional ceramic cloth, due to our unique design which reduces wastage and removes more stock



## Tungsten Carbide Burs

A leading global manufacturer of tungsten carbide burs, with a selection exceeding 1,000 types of high-quality carbide products manufactured to ISO standards.

With one of the widest ranges of burs, including material specific cuts and application solutions, servicing industries across the UK for over 50 years.

- The double cut bur is the most popular cut and can be applied to a broad range of materials including steels, alloys and cast, to get a smooth grind and finish
- 14 shapes available across the range, in both solid and brazed burs. Diameters from 3mm with extended and standard shanks for versatility. Coated and uncoated burs available
- Specific geometries for steel, inox, base metal, aluminium, foundry, and alloys with bur sets available in all ranges



## Industrial Air Tools

Our comprehensive portfolio of over 150 tools offers a solution for grinding and finishing applications, optimising processes in terms of economic efficiency, reliability and safety. Our customers come from a wide variety of industries, including automotive, aerospace, foundries, metal fabrication, oil & gas, marine, medical, rail and power & energy, where efficient stock removal is required. Our team is also proud to support the management and reduction of the dangers of HAVS with our tools.

- Low vibration grinders for operator comfort with full vibration and noise levels published in accordance with ISO 28927
- Oil free air tools available for applications where workpiece contamination is an issue
- Full range of air tools includes Angle Grinders, Sanders, Belt Sanders, Pencil Grinders and Die Grinders, designed and manufactured by ATA Tools Ltd.



ata tools



## Equipment Storage

### TuffBank

A new and improved version of our tool and equipment storage solution. The TuffBank sets the industry benchmark for quality and value for money. Hardened steel plates and anti-jemmy features make it virtually impossible to break into. Now benefiting from a host of new features and optional extras including our innovative SlamStop for enhanced safety, and PowerShelf to turn your product

into a secure charging station. Available in 8 different sizes.

#### Features:

- Tested and certified by Sold Secure and Secured by Design
- Robust, 5-lever deadlocks with extra reinforced protection
- Unique internal anti-jemmy system prevents the lid being forced open

- Robust construction using 2 and 3mm steel
- Hydraulic gas arms assist with the lid opening
- Multiple external anti-jemmy plates
- Suitable for sites and vans



TUFFBANK		EXTERNAL (MM)	INTERNAL (MM)	WEIGHT (KG)
TB1	Tuffbank Van Box	950x505x460	920x470x450	50
TB12	Tuffbank Truck Box	1150x495x460	1120x470x450	60
TB2	Tuffbank Site Box	1150x615x640	1120x590x540	75
TB3	Tuffbank Site Box	1150x615x930	1120x590x840	95
TBC4	Tuffbank Site Chest	1150x615x1265	1120x590x1175	125

### FlamBank

The ultra-tough, lockable vault for storing hazardous chemicals and flammables.

Armorgard FlamBank is specially designed to comply with all relevant COSHH regulations, ensuring that your hazardous substances are securely protected 24/7. Available in 7 sizes, the FlamBank is ideal for use on construction sites, in factories and vehicles.

#### Features:

- Built to specification for ½ hour fire resistant
- Keyed alike 5-lever deadlocks both sides\*, with heavy-duty chubb-style keys and welded security ID numbers (except FSC5)
- Suitable for chemicals or flammables
- High & low level ventilation to prevent build-up of fumes

- Fully welded and tested sump base to prevent leakage
- Flame arrester gauze fitted on all ventilation
- Fully adjustable shelves with all sizes of cabinet



FLAMBANK		EXTERNAL (MM)	INTERNAL (MM)	WEIGHT (KG)
FB1	FlamBank Hazardous Storage Box	980x540x475	895x470x465	46
FB2	FlamBank Hazardous Storage Box	1275x665x660	1185x600x575	82
FBC4	FlamBank Hazardous Storage Chest	1275x675x1270	1185x605x1185	153
FBC5	FlamBank Hazardous Storage Chest	1585x675x1275	1500x605x1185	174
FBC8	FlamBank Hazardous Storage Chest	2370x985x1220	2350x895x1130	334

\* with heavy-duty chubb-style keys and welded security ID numbers (except FSC5)

### FlamStor Cabinet

FlamStor Cabinet - secure storage cabinet that keeps your hazardous substances safe, organised and accessible with the specially designed flameproof vents to prevent build-up of fumes. Supplied with adjustable shelves and heavy-duty 5 lever deadlocks (except FSC5), this robust cabinet comes complete with warning stickers and complies with all relevant COSHH regulations, ensuring that

your hazardous substances are kept safe, accessible and secure.

#### Features:

- Built to specification for ½ hour fire resistant
- Keyed alike 5-lever deadlocks both sides\*, with heavy-duty chubb-style keys and welded security ID numbers (except FSC5)
- Suitable for chemicals or flammables

- High & low level ventilation to prevent build-up of fumes
- Fully welded and tested sump base to prevent leakage
- Flame arrester gauze fitted on all ventilation
- Fully adjustable shelves with all sizes of cabinet



FLAMSTORE CABINET		EXTERNAL (MM)	INTERNAL (MM)	WEIGHT (KG)
FSC1	Flamstor Hazardous Storage Cabinet	500x530x980	490x465x895	45
FSC2	Flamstor Hazardous Storage Cabinet	800x585x1250	790x540x1170	74
FSC3	Flamstor Hazardous Storage Cabinet	1205x580x1555	1185x510x1475	111
FSC4	Flamstor Hazardous Storage Cabinet	1350x780x1560	1340x695x1260	170
FSC5	Flamstor Hazardous Storage Cabinet	2500x750x2300	2420x650x2000	500

\* with heavy-duty chubb-style keys and welded security ID numbers (except FSC5)





## Equipment Storage

### DrumBank

The COSHH compliant DrumBank range is specially designed to safely store a range of containers, such as 50 gallon drums, jerry cans, & IBC containers. Highly robust, the enclosed versions are fitted with heavy-duty doors and 5-lever deadlocks to protect your high value fuel and oil from theft and fire.

The DrumBank range is fully compliant with COSHH regulations, as well as including benefits like durable powder coating and easily accessible, fully welded sumps.

#### Features:

- Built to specification for 30 minutes fire resistant
- Meets relevant regulation for storing fuel or chemicals

- Strong gas struts fitted as standard - conforms to industry standards
- Heavy-duty door with 5-lever deadlocks
- Raised removable open floor grating
- Fully welded sump
- Fork skids for easy transportation



DRUMBANK		EXTERNAL (MM)	INTERNAL (MM)	WEIGHT (KG)
DB2	DrumBank 2 Drum Enclosed Storage Unit	1385x1075x1345	1290x860x1100	178
DB2S	DrumBank 2 Drum Enclosed Storage Unit with Shelf	1405x925x2195	1305x775x1810	255
DB4	DrumBank 4 Drum Enclosed Storage Unit	1350x1250x1350	1300x1225x1050	231
DB4S	DrumBank 4 Drum Enclosed Storage Unit with Shelf	1405x1420x2195	1305x1280x1810	345
DBIBC1	DrumBank Enclosed Storage Unit for IBC Containers and Oil Drums	1500x1530x2210	1380x1380x1645	390

### Gorilla Gas Cage

The unique galvanized security cage specially designed for storing gas cylinders. Robustly constructed using 25mm box sections and 3mm wire mesh, the Gorilla Gas Cage features a unique modular bolt-together design using individual galvanized panels, making it quick and easy to erect and dismantle. Suitable for use on site or in the storage yard, it comes complete and ready to erect with all fixings, and packs flat when not in use. Available in 16 standard sizes.

#### Features:

- Robust construction using 25mm box sections and 3mm wire mesh
- Quickly dismantled when not in use and stored as individual panels
- Galvanized finish - resists all weather conditions for maximum durability
- Facility to fix to ground, for added security and stability
- Relevant hazard warning signage attached

- Supplied complete with all fixings
- Customisable to suit any requirements



GAS CAGES		EXTERNAL (MM)	INTERNAL (MM)	WEIGHT (KG)
GGC1	Gorilla Gas Cage 1000x500x900, Modular, Bolt-together Gas Cage	1000x500x900	1000x500x900	40
GGC3	Gorilla Gas Cage 900x500x1800, Modular, Bolt-together Gas Cage	900x500x1800	900x500x1800	60
GGC4	Gorilla Gas Cage 1200x1200x1200, Modular, Bolt-together Gas Cage	1200x1200x1200	1200x1200x1200	68
GGC5	Gorilla Gas Cage 900x900x1800, Modular, Bolt-together Gas Cage	900x900x1800	900x900x1800	67
GGC6	Gorilla Gas Cage 1200x1200x1800, Modular, Bolt-together Gas Cage	1200x1200x1800	1200x1200x1800	87

### TuffBench

The TuffBench heavy-duty folding workbench platform is a versatile workbench designed for contractors on the move, and is perfect for use on construction sites. Its quick and easy assembly system – with no detachable parts – makes it easy to transport and store. Durable and built to last, the surface is manufactured from sustainable pressed timber, and is ideal for use with attachments such as power tools, vices and pipe threaders.

#### Features:

- No detachable parts - stays together as one unit
- Durable timber work surface and powder-coated frame for long-lasting dependability
- Weight load capacity up to 300kg
- Folding legs secured with a chain when shut
- Metal edge flush with wooden work surface

- Ideal for fitting a chain vice and engineers vice to
- Collapsible for easy storage and transportation



TUFFBENCH		EXTERNAL (MM)	INTERNAL (MM)	WEIGHT (KG)
BH1080	TuffBench, Folding workbench	1080x750x820	Folded Down = 1080x750x130	28
BH1080-HW	TuffBench+, Folding workbench c/w A handle and wheels	1080x750x821	Folded Down = 1080x750x131	31

# Warrior Manual Handling Equipment



## Hand Pallet Trucks

Pallet Trucks are capable of lifting loads of up to 2500kg. The mobility of pallets is achieved with 2 metal forks fitting under the pallet with movement provided through a set of wheels and rollers. Available for use with Euro Pallets (540mm fork width) and British Standard (Chep) Pallets (685mm fork width). A variety of fork lengths are available in both pallet types

### Features:

- Raised/lowered height: 200mm/85mm
- Individual fork dimensions: 160 x 50mm
- Steering wheel dimensions: 200 x 50mm
- Longlife nylon rollers & steer wheels
- 3 position trigger; exit/entry rollers
- Greasing points, overload/pressure relief valve
- Sealed bearings, lubricating bushes & hydraulics



## Special Size Pallet Trucks

2 types of pallet truck: 2000kg Extra Long Pallet Truck to satisfy non standard pallet and load applications and 2500kg Heavy Duty Printers Pallet Truck for unique applications

### Features:

- Long life tandem nylon rollers and steer wheels
- 3 position trigger
- Greasing points
- Full bushing in key areas; sealed hydraulics
- Overload/pressure relief valve
- Raised/lowered height: 200mm/85mm
- Climber wheels



## High Lift Pallet Trucks

High lift pallet trucks which have the capacity and ability to lift pallets safely and effectively to greater heights using a scissors pack raising mechanism. Lifting capacity is 1000kg and these are designed for use with open bottom pallets such as Euro pallets.

### Features:

- 1000kg with Quicklift below 250kg
- Adjustable stabilisers
- Useful at the end of production lines and to use as a work bench
- Overload/pressure valve; self lubricating bushes
- Sealed hydraulics system
- Single nylon rollers
- Helps reduce repetitive strain back injury





## Mobile Lift Tables (Eco)

Lift tables provide an adjustable work surface or platform enabling staff members to raise loads beyond their physical capabilities both securely and safely. "Lift" provided ranges from 100kg to 1000kg and are manufactured to withstand the most arduous working environments normally associated with industrial applications

### Features:

- Robust & reliable
- High quality hydraulics with a positive feel
- Foot operated lift
- Infinitely controlled lower
- High pushing handle
- Foot brakes fitted with swivel castors
- Hard wearing and non marking polyurethane tyres



## Weighscale Pallet Trucks

Weighscale pallet trucks are a practical adaption on the conventional pallet truck. The mobility of pallets remains to be achieved with 2 metal forks fitting under the pallet with movement provided through a set of wheels and rollers. In addition they come equipped with a battery powered electronic weighscale allowing loads to be weighed before transportation.

### Features:

- 1kg or 5kg increments dependent on model
- 2000kg maximum load capacity
- Tandem/Polyurethane rollers dependent on model and application
- Polyurethane tyred steer wheels to reduce vibration
- Total weight function
- High contrast display
- High battery autonomy



## Manual Stackers

Manual stackers are a cost effective way of handling goods. High quality materials and "build" give these products durability and value. Most commonly used in a warehouse and/or factory setting and tend to serve as a half way house between the pallet truck and the forklift truck. Various model options and capacities are available

### Features:

- Pulling handle
- Brake
- Steer Wheel foot guards
- Tandem lift chains, manual lift & travel
- Hard wearing nylon wheels & load rollers
- Lift heights from 850mm to 3000mm (dependent on model)
- Lift by manually operated pump unit
- Capacities between 400kg and 1000kg



## Cubio and Verso

Bott manufactures a diverse range of storage solutions including workbenches, drawer cabinets, tool cupboards and small parts storage.

Within 2 distinct modular systems, Bott offer a wide range of sizes, colours, configurations and options. Both systems can be configured to suit any working environment creating a tailored solution for your operation.



### Cubio

Cubio is our professional range, having the widest choice of options, offering a heavy duty, high capacity solution.



### Verso

Verso is our medium duty system, a simpler range with quality, functional products at lower price points.





# Vacuums, Sweepers and Driers

# KÄRCHER

## BD 43-25 C Bp Scrubber Drier

Battery powered and economical: The BD 43/25 C Bp scrubber drier with disc technology cleans up to 17000 m<sup>2</sup>/h of areas up to 900m<sup>2</sup>.

### Features:

- Robust, durable and reliable. For daily use
- EASY operation panel
- Solenoid valve for automatic water cutout
- Clear control panel with self-explanatory symbols
- Easy to operate. Very manoeuvrable



## KM 75-40 W bp Sweeper

A user-friendly walk-behind vacuum sweeper with 24V battery power and traction drive.

### Features:

- Waste container with recessed grips
- Short disposal times
- Efficient filter system with mechanical filter cleaning
- 1.8m<sup>2</sup> filter area
- Clear arrangement of controls on handle



## HD 7-12-4 M Pressure Washer

A powerful, robust and versatile cold water pressure washer with good accessory storage and perfect manoeuvrability for daily operation.

### Features:

- Automatic pressure relief for protecting equipment
- Powerful 4-pole slow running electric motor
- Designed for upright and horizontal operation
- Retractable rush handles
- EASY!Lock TR20 technology



## NT 40-1 Tact TE M 240 Vacuum

Designed for the pick-up of very large quantities of hazardous dusts. Suitable for dust class M. Robust yet highly mobile and features a 40 litre container.

### Features:

- Filtration efficiency of 99.9%
- 40 litre container
- Dust Class M
- Suitable for coarse dirt and liquids



# Machine Tools



## 58pc Clamp Kits

Complete answer to clamping.

- Saves setting up time
- 58pc Steel Kit
- 24pcs Stud – 4 of each length 3" 4" 5" 6" 7" and 8"
- 6pcs T-Nuts
- 6pcs Flanged Nuts
- 4 pcs Coupling Nuts
- 6pcs Step Clamps
- 12 pcs (6 pairs) Step Blocks

MODEL	STUD SIZE	T SLOT SIZE	WEIGHT	STOCK NO
PK103	3/8" 16NC	1/2"	8 Kgs	3-100-100
PK104	1/2" 13NC	5/8"	12 Kgs	3-100-200
PK105	5/8" 11NC	3/4"	16 Kgs	3-100-300
PK103M	10mm	12mm	8 Kgs	3-100-100M
PK104M	12mm	14mm	12 Kgs	3-100-200M
PK104M2	12mm	16mm	12 Kgs	3-100-200M2
PK105M	16mm	18mm	16 Kgs	3-100-300M
PK106M	18mm	20mm	31 Kgs	3-100-400M
PK107M	20mm	22mm	33 Kgs	3-100-500M



## Micrometer Set

O/S Micrometer set - 0-100mm

- Carbide measuring faces
- 0 – 100mm
- Metric
- 4 piece set



## Morse Taper Drill Sleeves

Hardened and Precision Ground Int / Ext

- 2-1 MT 3-800-100
- 3-1 MT 3-800-150
- 3-2 MT 3-800-250
- 4-1 MT 3-800-200
- 4-2 MT 3-800-300
- 4-3 MT 3-800-350



## Drill Chucks

- Made from high quality material
- Toughened body and hardened jaws are precision ground for accuracy

### LLAMBRICH PRECISION CHUCK – KEY TYPE – STANDARD

CY 13	1-13mm Capacity / J6 Taper	4-105-100
CY 16	1-16mm Capacity / J3 Taper	4-105-200
CY 16	1-16mm Capacity / B16 Taper	4-105-300

### LLAMBRICH KEY TYPE CHUCK WITH BALL BEARING

CBB 13	1-13mm Capacity / J6 Taper	4-106-100
CBB 16	1-16mm Capacity / J3 Taper	4-106-200

### LLAMBRICH KEYLESS CHUCK

CKS 13	1-13mm Capacity / J6 Taper	4-126-100
CKS 16	3-16mm Capacity / J6 Taper	4-126-200

### OPTIMUM KEYLESS CHUCK

ODC 13	1-13mm Capacity / B16 Taper	0305-0623
ODC 16	1-16mm Capacity / B16 Taper	0305-0626



## Drill Chuck Arbors

Drill Chuck Arbors for Milling machines.

### R8 TAPER

R8 x J2	7/16" UNF	3-860-100
R8 x J6	7/16" UNF	3-860-200
R8 x J3	7/16" UNF	3-860-300
R8 x J4	7/16" UNF	3-860-400
R8 x B16	7/16" UNF	3-860-500

### 30 INT TAPER

30 INT x J6	3/8" Whit	3-880-100
30 INT x J6	1/2" Whit	3-880-200
30 INT x J6	12mm	3-880-300
30 INT x J6	1/2" UNC	3-880-400

### 40 INT TAPER

40 INT x J6	5/8" Whit	3-880-500
40 INT x J6	16mm	3-880-600
40 INT x B16	16mm	3-880-700



## Machine Tools

### S181G 3ph Bandsaw Machine

- User friendly safety switch according to IP54 with under voltage release and protective motor switch
- Three blade speeds via gear shifting mechanism
- Robust cast iron design
- Quick action vice
- Lowering using hydraulic system with continuous adjustment
- Coolant system supplied as standard
- Ball bearing.

FEATURES	
Max Capacity – 0° Round	180mm
Max Capacity – 0° Rect.	180 x 240mm
Max Capacity – 45° Round	110mm
Max Capacity – 45° Rect. (HxW)	170 x 110mm
Blade size	2362 x 19mm
Speed (m/min)	45, 67, 77
Motor Power	750w
Dimensions	1200 x 450 x 1050mm



### ER Collet Chuck Sets

ER Collets cover a better range than others due to their extra flexibility. Their sizes increase in 1mm increments which allows Imperial sizes to also be covered by Metric Collets (eg. 10mm holds all sizes from 9mm to 10mm covering 3/8").

MODEL	SHANK	DRAWBAR TAPPING	NO OF COLLETS	STOCK NO
ER 25	2MT	10mm	7	3-583-001
ER 25	3MT	10mm	7	3-583-051
ER 25	3MT	12mm	7	3-583-052
ER 25	30 INT	12mm	7	3-583-101
ER 25	40 INT	16mm	7	3-583-201
ER 32	R8	7/16" UNF	7	3-582-101
ER 32	40 INT	16mm	7	3-582-201
ER 32	50 INT	24mm	7	3-582-301
ER 40	R8	7/16" UNF	7	3-581-101
ER 40	40 INT	16mm	7	3-581-201
ER 40	50INT	24mm	7	3-581-301



INDIVIDUAL COLLETS ER 32			
3-2mm	3-582-903	12-11mm	3-582-912
4-3mm	3-582-904	13-12mm	3-582-913
5-4mm	3-582-905	14-13mm	3-582-914
6-5mm	3-582-906	15-14mm	3-582-915
7-6mm	3-582-907	16-15mm	3-582-916
8-7mm	3-582-908	17-16mm	3-582-917
9-8mm	3-582-909	18-17mm	3-582-918
10-9mm	3-582-910	19-18mm	3-582-919
11-10mm	3-582-911	20-19mm	3-582-920



INDIVIDUAL COLLETS ER 40			
4-3mm	3-625-904	16-15	3-625-916
5-4mm	3-625-905	17-16mm	3-625-917
6-5mm	3-625-906	18-17mm	3-625-918
7-6mm	3-625-907	19-18mm	3-625-919
8-7mm	3-625-908	20-19mm	3-625-920
9-8mm	3-625-909	21-20mm	3-625-921
10-9mm	3-625-910	22-21mm	3-625-922
11-10mm	3-625-911	23-22mm	3-625-923
12-11mm	3-625-912	24-23mm	3-625-924
13-12mm	3-625-913	25-24mm	3-625-925
14-13mm	3-625-914	26-25mm	3-625-926
15-14mm	3-625-915		

### GU20 Industrial Bench Grinder

- Housing made of aluminium casting
- Balanced rotor with smooth running
- Spark protection on each grinding wheel
- Solid adjustable tool rests
- Vibration absorbing rubber feet
- Two universal corundum grinding wheels

	110V 1PH 0310-15151	240V 1PH 0310-1515	415V 3PH 0310-1520
MOTOR POWER	600w	600w	600w
WHEEL SIZE	200 x 30 x 32 mm	200 x 30 x 32 mm	200 x 30 x 32 mm
SPEED 50HZ	2850rpm	2850rpm	2850rpm
DIMS (LxWxH)	510 x 360 x 330 mm	510 x 360 x 330 mm	510 x 360 x 330 mm
WEIGHT	19 Kg	19 Kg	19 Kg



## Abrasive Hand Discs and Pads



### Scotch-Brite™ Hand Pad 7447

**158 mm x 224 mm, A VF+**

Scotch-Brite™ General Purpose Hand Pad 7447 combines flexibility with effective cutting action and precise hand control to accomplish tough cleaning jobs or produce fine finishing results, use after use.

- Superior alternative to steel wool, wire brushes, sandpaper, and other nonwoven products for cleaning or finishing tasks
- Very fine grade aluminium oxide abrasive cleans, finishes, grains, denibs, and defuzzes
- Suitable for use on wood, metal, plastics, ceramics, porcelain, glass, rubber, or composites
- Reusable pad resists tearing, splintering, shredding, loading and will never rust, providing a long, useful life



### Scotch-Brite™ General Purpose Sheet 7496

**158 mm x 224 mm, AFIN**

Scotch-Brite™ General Purpose sheet is an all purpose web for cleaning, deburring and finishing applications

- Controlled, repeatable cut
- Consistent finish
- Does not change the geometry of the workpiece
- Suggested Applications:  
Use for cleaning, deburring and finishing applications



### 3M™ Fibre Disc 787C

**115 mm x 22 mm (36+/60+/80+/120+grit)**

3M™ Fibre Disc 787C is a fibre disc featuring our advanced abrasive technology, 3M Precision Shaped Grain. These discs have a stiff fibre backing and strong resin bond that provide durability and tear resistance.

- Cuts hard and fast to grind metals like stainless steel and high nickel alloys
- 3M Precision Shaped Grain yields higher cut rates
- Grinding aid minimises grinding temperatures for heat-sensitive alloys
- Reduce costs with long lasting abrasive - completes more parts than conventional discs
- Backing Pad to suit 7306



### Scotch-Brite™ Surface Conditioning Disc SC-DH

**100 mm x 16 mm, ACRS/AMED/AVFN grades**

**115 mm x 22 mm, ACRS/AMED/AVFN grades**

Scotch-Brite™ Surface Conditioning Disc comes in a wide variety of grades and sizes and is an ideal first-step for cleaning, blending, deburring, and finishing.

- Open web material runs cool and resists loading for prolonged operation
- Conformable disc conditions surfaces without gouging, undercutting, or damaging the base material
- Suitable for metal, composite, plastics, and other materials
- Long life
- Backing pads to suit – 61678 & 61680



### 3M™ Silver Cut-Off Wheel, T41

**115 mm x 1 mm x 22.23 mm**

**125 mm x 1 mm x 22.23 mm**

**230 mm x 2 mm x 22.23 mm**

3M™ Silver Cut-Off Wheel is designed to deliver an unbeatable combination of performance and value. The long-lasting wheel uses our Precision Shaped Grain to deliver a fast, consistent cut.

- Cuts cleanly with minimal burrs
- Cuts quickly through metal pipes, tubes, flat sheets and more
- Long-lasting wheel provides great performance value
- Use on a variety of substrates such as carbon steel and stainless steel



### 3M™ Silver Depressed Center Grinding Wheel, T27

**115 mm x 7 mm x 22.23 mm**

**125 mm x 7 mm x 22.23 mm**

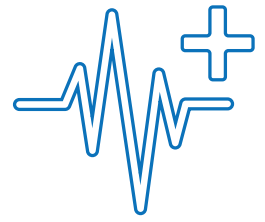
**230 mm x 7 mm x 22.23 mm**

For aggressive grinding applications such as beveling, flame cut smoothing, weld grinding and edge work on a variety of metals use 3M™ Silver Depressed Centre Grinding Wheel.

- Suitable for heavy grinding, beveling and weld removal
- 3M Precision Shaped Grain cuts cleanly and fast, helping to increase productivity
- Long-lasting wheel provides great performance value
- Works with tools and accessories designed for depressed centre grinding wheels







# Reliability Services

## Monitor, check, trend, improve and control

- Status checking, alarming, trending and measuring consumption
- Condition monitoring, vibration, thermo, acoustic
- Optimise asset availability and mitigate risk exposure
- Maximise plant reliability and optimise productivity
- Reduce required compliance activity and improve health and safety
- Enable smarter interactions



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# Finishing Stones and Cut-Off Wheels

## Finishing Stones

UNIVERSAL Type manufactured from aluminium oxide, a great general purpose polishing stone. Suitable for hardened and heat treated steels over 1200 N/mm2 (>38 HRC), INOX, stainless steel, aluminium and other non-ferrous metals.

CARBIDE Type manufactured from green silicon carbide offering higher removal rates without clogging. Suitable for high-temperature resistant metals, tungsten carbide and steels above 54 HRC.



TYPE	DIMENSIONS W X H X L [MM]	GRIT - PART NO			
		220	320	400	600
Universal - aluminium oxide	4 x 4 x 150	PFERD106679	PFERD106969	PFERD107034	PFERD107096
Universal - aluminium oxide	6 x 6 x 150	PFERD106921	PFERD106983	PFERD107058	PFERD107119
Universal - aluminium oxide	13 x 6 x 150	PFERD106945	PFERD107010	PFERD107072	PFERD107133
Universal - aluminium oxide	25 x 13 x 150	PFERD106952	PFERD107027	PFERD107089	PFERD107140
Green - silicon carbide	4 x 4 x 150	PFERD107218	PFERD107270	PFERD107331	PFERD107393
Green - silicon carbide	6 x 6 x 150	PFERD107232	PFERD107294	PFERD107355	PFERD107416
Green - silicon carbide	13 x 6 x 150	PFERD107256	PFERD107317	PFERD107379	PFERD107430
Green - silicon carbide	25 x 13 x 150	PFERD107263	PFERD107324	PFERD107386	PFERD107447

Other size stones and arbors available.

## Universal Line (PSF) Cut-Off Wheels

Cut-off wheels for Steel and Stainless Steel (INOX) with high cutting performance and long tool life, manufactured from Aluminium Oxide A.

- PSF STEEL – Suitable for cutting of sheet metal, profiles and solid material and cutting out holes in Steel materials.
- PSF STEELOX - Suitable for cutting of sheet metal, profiles and solid material and cutting out holes in Steel and Stainless Steel materials.
- Available with Flat or Depressed-Centre, also available in high performance Aluminium Oxide a [SG] range.

PART NO	DISC TYPE MAX	DIA X THICKNESS X BORE	CENTRE	RPM (MAX)
PFERD560242	PSF STEEL	115 x 1.0 x 22.23	Flat	13,300
PFERD538111	PSF STEEL	115 x 1.6 x 22.23	Flat	13,300
PFERD560259	PSF STEEL	125 x 1.0 x 22.23	Flat	12,200
PFERD538128	PSF STEEL	125 x 1.6 x 22.23	Flat	12,200
PFERD163528	PSF STEEL	115 x 2.4 x 22.23	Depressed-centre	13,300
PFERD163429	PSF STEEL	125 x 2.4 x 22.23	Depressed-centre	12,200
PFERD560266	PSF STEELOX	115 x 1.0 x 22.23	Flat	13,300
PFERD538135	PSF STEELOX	115 x 1.6 x 22.23	Flat	13,300
PFERD560372	PSF STEELOX	125 x 1.0 x 22.23	Flat	12,200
PFERD538142	PSF STEELOX	125 x 1.6 x 22.23	Flat	12,200
PFERD523032	PSF STEELOX	115 x 2.4 x 22.23	Depressed-centre	13,300

Other sizes available plus discs for Aluminium [SG ALU] and Ceramic [SGP].





# Polishing Tools and Brushes

## Felt Polishing Tools

Pferd offer a comprehensive range of felt polishing tools including felt points, mounted flap wheels, felt wheels, felt flap discs and cloth rings.

The felt range of tooling offers many benefits such as high flexibility, meaning they can be freely shaped, perfect for applications with complicated geometries.

They give a perfectly fine polished finish with minimal damage to the workpiece.

For best performance use with a recommended cutting speed between 5-10m/s and a polishing/grinding paste.



PART NO	PRODUCT TYPE	DIMENSIONS (MM)	SHANK DIA (MM)	DENSITY AREA	APPLICATION	RPM (MAX)
PFERD035931	Felt Point Cylindrical Shape ZYA	12 x 20 head x 36 length	6	Medium	Peripheral use	39,500
PFERD035948	Felt Point Cylindrical Shape ZYA	12 x 20 head x 36 length	6	Hard	Peripheral use	39,500
PFERD153802	Felt Point Cylindrical Shape ZYA	12 x 20 head x 36 length	6 - end hole	Medium	Face down use	23,500
PFERD035986	Felt Point Cylindrical Shape ZYA	12 x 20 head x 36 length	6 - end hole	Hard	Face down use	23,500
PFERD153949	Felt Point Conical Point Shape SPK	15 x 30 head x 45 length	6	Medium	Radii & Contours	31,500
PFERD294741	Felt Point Conical Shape KEL	15 x 20 head x 42 length	6	Medium	Radii	31,500
PFERD153895	Felt Point Cylindrical with Radius Shape WRC	15 x 20 head x 42 length	6	Medium	Small concave contours	31,500
PFERD153789	Felt Point Oval Shape TRE	10 x 14 x 43 length	6	Medium	Small Radii	47,500
PFERD936160	Felt Mounted Shank Flap Wheel	30 x 20 head x 40 length	6	Soft	High Gloss polishing & Contours	20,000
PFERD936184	Felt Mounted Shank Flap Wheel	40 x 20 x 40 length	6	Soft	High Gloss polishing & Contours	15,000
PFERD936207	Felt Mounted Shank Flap Wheel	50 x 30 x 40 length	6	Soft	High Gloss polishing & Contours	12,000
PFERD936214	Felt Mounted Shank Flap Wheel	50 x 30 x 40 length	6	Hard	Pre-polishing	12,000

## Shank Mounted Steel Crimped Wire Wheel Brushes

A highly flexible, universal wheel suitable for cleaning, de-rusting, smoothing, cleaning of weld seams, light deburring and removal of corrosion and paint.

- For best results use a tool drive with a minimum of 300 watts
- All brushes have a 6mm shank, supplied in boxes of 10
- Also available in stainless steel (INOX), brass (MES), silicone carbide (SIC) and ceramic oxide (CO)

PART NO	DISC TYPE	DIMENSIONS (MM)	CENTRE	RPM (MAX)
PFERD560242	PSF STEEL	115 x 1.0 x 22.23	Flat	13,300
PFERD538111	PSF STEEL	115 x 1.6 x 22.23	Flat	13,300
PFERD560259	PSF STEEL	125 x 1.0 x 22.23	Flat	12,200
PFERD538128	PSF STEEL	125 x 1.6 x 22.23	Flat	12,200
PFERD163528	PSF STEEL	115 x 2.4 x 22.23	Depressed-centre	13,300
PFERD163429	PSF STEEL	125 x 2.4 x 22.23	Depressed-centre	12,200
PFERD560266	PSF STEELOX	115 x 1.0 x 22.23	Flat	13,300
PFERD538135	PSF STEELOX	115 x 1.6 x 22.23	Flat	13,300
PFERD560372	PSF STEELOX	125 x 1.0 x 22.23	Flat	12,200
PFERD538142	PSF STEELOX	125 x 1.6 x 22.23	Flat	12,200
PFERD523032	PSF STEELOX	115 x 2.4 x 22.23	Depressed-centre	13,300

Other sizes available





## Same Iconic LOCTITE, with a new anti-counterfeit bottle

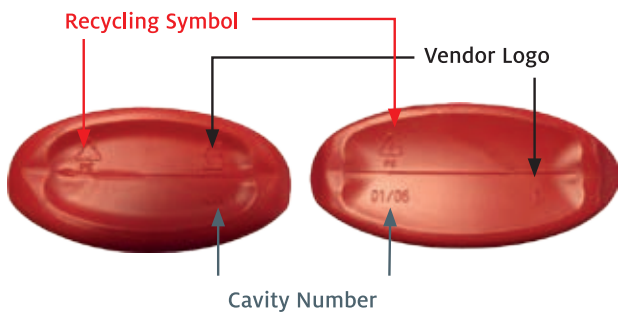


Recess label area



### Patented bottle design

- ✓ Distinct shoulder design & LOCTITE embossing
- ✓ Same product performance & reliability
- ✓ Batch code now laser printed on bottle base. Will not be removed by contact with solvents, oil or general handling.
- ✓ Fits & can be used with all existing LOCTITE Equipment



[www.henkel-adhesive.co.uk](http://www.henkel-adhesive.co.uk)





# Continued innovation from LOCTITE

# LOCTITE®

Established product range and new Hybrid Technology  
- Threadlocking - Thread Sealing - Gasketing - Retaining - Structural Bonding - Instant adhesives

## LOCTITE 243

### Threadlocker Medium Strength

- Resists vibration loosening
- Locks and seals
- Temperature resistance up to 180°C
- Improved cure even on mildly oil contaminated parts

**For general purpose threadlocking**



## LOCTITE 577

### Threaded Pipe Sealant

- Withstand pressures in excess of 500 bar
- Instant seal on taper/parallel joints, also locks parts in place
- Improved cure even on mildly oil contaminated parts
- Approvals for Hot and Cold Water, Potable Water, Gas and LPG

**For sealing metal coarse threads in any position**



## LOCTITE 401

### Instant Adhesive General Purpose

- Temperature resistance up to 120°C
- Handling strength in seconds
- Can be used with LOCTITE SF 770 Polyolefin Primer
- P1 NSF Reg. No.: 123011

**For bonding close-fitting plastic and rubber components**



## LOCTITE 518 Pen

### Gasket Flange Sealant

- One product for any shape or size gasket. Simply roll on.
- Seals scored or damaged rigid flanges
- No gasket relaxation
- Temperature resistance up to 150°C

**For sealing rigid flanges with gaps up to 0.25mm**



## LOCTITE 638

### Retaining Compound High Strength

- Used where permanent fixing is required
- Prevents fretting
- Gap fill up to 0.25mm
- Temperature resistance up to 180°C

**For bonding gears and impellers onto shafts**



## LOCTITE 3090

### Instant Adhesive 2-Component

- Fast curing
- Gel consistency
- Precise and clean application with syringe
- Temperature resistance up to 80°C

**For the assembly of parts with bond gaps up to 5mm**



# New Hybrid Technology

### For applications that require speed and structural integrity

In maintenance/repair or assembly, the new hybrid adhesives can bond most substrates including metals, most plastics and rubbers and have good moisture, temperature and chemical resistance.

## LOCTITE HY 4060 GY

### Durable 5-Minute Structural Repair Adhesive

- Excellent structural and environmental durability
- Mix by hand
- No dispensing equipment



## LOCTITE HY 4070

### Ultra-Fast Universal Repair Adhesive

- Fixture time <1min
- Gap fill up to 5mm
- Ready to use pack



## LOCTITE HY 4080 GY

### Fast and Versatile Structural Bonder

- Good elasticity
- Excellent resistance to shock loading
- Available in big pack size



## LOCTITE HY 4090

### Tough and Versatile Structural Bonder

- Maximum temperature resistance up to 150°C
- Low blooming
- Available in big pack size



## Tools and Storage

### Teng Tools 1001pc Toolkit

#### 3 pc stack system toolkit

1001 pc kit with tools stored in tool control trays for ease of access and checking for any mislaid or lost.

- 19 drawer tool boxes made of heavy duty steel
- Combination locks
- 3 step ball bearing drawer slides
- Life time warranty on hand tools



#### PART NO

TCMM1001N

### Roll Cab Toolkit

333pc complete toolkit all laid out 3 colour high quality EVA foam each tool having its own place for easily identifying any tools missing.

- 7 drawer tool box made of heavy duty steel
- Combination locks
- 3 step ball bearing drawer slides
- Life time warranty on hand tools



#### PART NO

MTCMME11A

### Portable Case Toolkit

118pc toolkit supplied in a portable service case with all tools held by EVA foam each tool having its own place for easily identifying any tools missing.

- Heavy duty hard wearing carrying case
- Suspension wheels and retractable handle for easy carrying
- Combination locks
- Life time warranty on hand tools



#### PART NO

SCE2





## Printers and Labelling Solutions

# PANDUIT™

### MP100/E Mobile Printer

**Compact mobile printer supplied with continuous vinyl tape label cassette**

Leading-edge labelling solutions for electrical, office and network environments, from the data centre to the telecom room, from the jobsite to the plant floor.

- Compact size. Automatic cutter
- USB connectivity and prints from mobile phone labelling apps
- Prints up to 25.4mm wide label media
- Prints continuous labels. 180 dpi.



#### PART NO

MP100/E (cw T100X000VPM-BK)

### MP300/E Mobile Printer

**Portable printer supplied with self-laminating label cassette and rechargeable battery pack**

Leading-edge labelling solutions for electrical, office and network environments, from the data centre to the telecom room, from the jobsite to the plant floor.

- 360 dpi print resolution. USB connectivity
- Automatic cutter with full or half cut
- Prints up to 38.1mm wide label media. Prints die-cut and continuous labels.
- Mains or rechargeable (lithium) battery powered.



#### PART NO

MP300/E (cw S100X150VAM)

### MP100/E Printer Cassette Labels

**Continuous Tape Cassettes**

Fast loading label cassettes for easy label changing.

- Fast-loading Label Cassette includes both label material and ribbon to make changing labels easy
- Print custom pipe markers, voltage markers, signs, bin markers, and network identification labels on demand
- For flat label applications only
- Continuous vinyl tape combined with automatic cutter enables bespoke length labels



#### PART NO

T038X000VPM-BK, T038X000VXM-BK

### MP300/E Printer Cassette Labels

**Turn-Tell® Label Cassettes, Self -Laminating Label Cassettes, Continuous Tape Cassettes**

Range of label materials according to printing application.

- Turn-Tell® label cassettes- allows labels to rotate for visibility from any angle, and for repositioning on the wire/cable. Installation without disconnecting wire/cable
- Self Laminating label cassettes- adhesive labels for wire/cable identification includes a white print on area and clear over laminate
- Continuous Tape Cassettes- Print custom pipe markers, voltage markers, signs, bin markers, and network identification labels on demand



#### PART NO

S100X075VAM, R100X150VIM

### TDP43ME/E DESKTOP PRINTER

**Thermal Desktop Printer includes ribbon and software**

Thermal desktop printer has 300 dpi resolution and 4" (101.6 mm) per second maximum print speed. Suitable for a variety of label media up to 4" (101.6 mm) wide.

- Creates durable, crisp, clear legends and graphics that offer superior legibility. Suitable for harsh industrial environments
- Auto-sensing label gap and black mark sensors
- One-button operation, and automatic self-test
- Suitable for use with self-laminating, Turn-Tell® raised panel and heat shrink labels, continuous tape and marker plates.



#### PART NO

TDP43ME/E

### LOCK OUT TAG OUT

**LOTO Stations and Kits**

Panduit Lock Out Station populated with Padlocks, Hasps and Tags.

Panduit MRO Lockout Kit Box populated with Padlocks, Tags and a wide variety of Lockout devices. Individual devices also available.

- LOTO Station – Padlocks x 10, Hasps x 3, Tags x 25
- LOTO MRO Kit – For maintenance and repair personnel.
- MRO Kit comprises – Case, Screwdriver, Padlocks, Hasp, Valves lockouts, MCB lockouts, Tags



#### PART NO

PSL-10SWCA, PSL-KT-MROA

# Position Sensors

## Kplus Sensor

### Constant correction factor

Ifm Kplus sensors have the same sensing range for all types of metals. They are for example perfectly suited for the detection of aluminium, where conventional sensors show a considerably reduced sensing range. The high switching frequencies enable the monitoring of fast changing switching states.

The resistant stainless steel sleeve allows reliable use in oil and coolant applications. The wide temperature range as well as the high protection ratings enable universal use of the new Kplus sensors.

- Uniform sensing range for the reliable detection of all metals
- Compact dimensions for use in the smallest of space
- Electromagnetic field immune sensor technology to prevent incorrect switching
- High-quality stainless steel housing
- High reliability thanks to protection rating from IP65 / IP69KK

### Further technical data

Operating voltage	[V DC] 10...30
Reverse polarity protection	•
Short-circuit protection	•
Overload protection	•
Protection	IP65/IP 66/IP67/ IP68/IP 69K
Protection class	III
Ambient temperature	[°C] -40...85
Housing materials sensing face	High-grade stainless steel (316L) sensing face LCP
Switching status indication	[LED] yellow [4 x 90°]

### M8 connector - 3 wire DC PNP - Output function normally open

TYPE	TOTAL LENGTH [MM]	SENSING RANGE [MM]	INSTALLATION	SWITCHING FREQUENCY [Hz]	CURRENT LOAD [mA]	PART NO.
M8	40	3	flush	2000	100	IFIES200
M8	40	6	non-flush	2000	100	IFIES201

### M12 connector - 3 wire DC PNP - Output function normally open

TYPE	TOTAL LENGTH [MM]	SENSING RANGE [MM]	INSTALLATION	SWITCHING FREQUENCY [Hz]	CURRENT LOAD [mA]	PART NO.
M12	45	4	flush	2000	100	IFIFS297
M12	45	8	non-flush	2000	100	IFIFS298
M12	45	10	non-flush	2000	100	IFIFS299
M12	60	4	flush	2000	100	IFIFS304
M12	60	8	non-flush	2000	100	IFIFS305
M12	60	10	non-flush	2000	100	IFIFS306
M18	45	8	flush	2000	100	IFIGS287
M18	45	12	non-flush	2000	100	IFIGS288
M18	45	15	non-flush	2000	100	IFIGS289
M18	60	8	flush	2000	100	IFIGS290
M18	60	12	non-flush	2000	100	IFIGS291
M18	60	15	non-flush	2000	100	IFIGS292
M30	45	15	flush	2000	100	IFIIS281
M30	60	15	flush	2000	100	IFIIS282
M30	60	22	non-flush	2000	100	IFIIS283
M30	60	30	non-flush	2000	100	IFIIS284







## Electromagnetic Field Immune Kplus Sensors

Used in harsh welding applications, the inductive Kplus Sensors withstand harsh operating conditions and reliably detect metal objects even in case of soiling. The sensor housing and the fixing nuts have a non-stick coating to prevent sticking of weld slag.

Strong magnetic fields occur in welding processes. The new sensor technology prevents incorrect switching. The quick connection with the connector and matching cable from the ecolink range is the ideal basis for permanent use.

- Uniform sensing range for the reliable detection of all metals
- Robust design with non-stick coating
- Electromagnetic field immune sensor technology to prevent incorrect switching
- Wide temperature range for universal use
- High protection ratings up to IP68 / IP69K

### Further technical data

Operating voltage	[V DC] 10...30
Current consumption	[mA] < 20
Reverse polarity protection	•
Short-circuit protection	•
Overload protection	•
Protection	IP65/IP66/IP67/ IP68/IP69K
Protection class	II
Ambient temperature	[°C] -40...85
Housing materials sensing face	LCP
Switching status indication	[LED] yellow [4 x 90°]

### M8 connector · 3 wire DC PNP ·

#### Output function normally open · stainless steel (316L) anti-spatter

TYPE	TOTAL LENGTH [MM]	SENSING RANGE [MM]	INSTALLATION	SWITCHING FREQUENCY [Hz]	CURRENT LOAD [mA]	PART NO.
M8	40	3	flush	2000	100	IFIEW200
M8	40	6	non flush	2000	100	IFIEW20

### M12 connector · 3 wire DC PNP ·

#### Output function normally open · brass anti-spatter

TYPE	TOTAL LENGTH [MM]	SENSING RANGE [MM]	INSTALLATION	SWITCHING FREQUENCY [Hz]	CURRENT LOAD [mA]	PART NO.
M12	65	4	flush	2000	100	IFIFW204
M18	65	8	flush	2000	100	IFIGW202
M30	65	15	flush	2000	100	IFIIW202



# Transformers and Sitemasters

## Wall Mounted Tool Rated Transformers

These are ideal for use in industrial workshops/garages and other maintenance applications. Specified to be used with power tools. Sizes from 1.5kVA to 5kVA intermittent rated. Manufactured to be run on 230V or 415V UK mains supply to 110V Centre Tapped to Earth (CTE). All certified to ISO 9001:15 quality management standard. Other configurations available on request.

- Fitted with resettable thermal primary trip
- IP23, IP54 and IP65 enclosures available
- Conduit entries on both sides (20mm)
- Transformer size/socket configurations to suit
- Fitted with Bals 60309:2 sockets



## Panel Transformers

Suitable for control panels, machine auxiliary control and a wide range of other applications. Other configurations available on request

- Isolating or auto wound transformers
- Multiple voltage options
- 3 phase and single phase
- Rectified DC transformers
- Quick turnaround for any breakdown or emergency



## 10kVA Three Phase Sitemaster

Other configurations are available on request, including 20mm knockouts for lighting circuits

- 415/110V Full three phase input
- 4X16A 110V 3P IP44 Sockets
- 2X32A 110V 3P IP44 Sockets
- All sockets DPMCB protected
- Robust IP44 powder coated enclosure with lifting handles
- Can be fitted with lighting outputs

## 10kVA Single Phase Sitemaster

Other configurations are available on request

- 240/110V CTE
- 4X16A 110V 3P IP44 Sockets
- 2X32A 110V 3P IP44 Sockets
- All sockets DPMCB protected
- Robust IP44 powder coated enclosure with lifting handles
- 50/60Hz





## Testing Tools for Electricians

Welcome to Beha-Amprobe, the place to find great quality testing tools for electricians. With a combined experience of over 100 years, well-known German brand Beha and US-based Amprobe have a track record to be proud of. Now we have joined forces, and together we are committed to making your job safer, faster and easier than ever.

Our expertise is legendary. Almost 70 years ago in 1948, we invented the very first clamp meter, and we haven't stopped innovating since. From multimeters to voltage detectors, at Beha-Amprobe we constantly improve our designs to provide you with the very best quality products and support.

### AM-535-EUR

- Voltage, current and resistance measurement
- Capacitance and frequency measurement
- Diode and acoustic continuity test
- Temperature measurement



#### PART NO

AMPRAMP220EUR

### AMP-220-EUR Current Clamp (AC/DC)

- Current, voltage and resistance measurement
- Capacitance and frequency measurement
- Continuity beeper
- Low pass filter
- Measurement of inrush current
- Non-contact voltage detection



#### PART NO

AMPRAM535EUR

## Testing Equipment Calibration

For electrical equipment to operate at its most efficient, it must perform to a minimum specification. But to determine the specification of your electrical equipment, your testing equipment must also be up to a certain standard.

**If you require advice on electrical testing equipment calibration, please contact your Local ERIKS Service Centre.**

### Digital Sound Level Meter

#### SM-20A

This Sound Level Meter has been designed to meet the measurement requirements of safety engineers, health, industrial safety offices and quality control in various environments.

This unit conforms to the IEC651 Type 2, ANSI S1.4 Type 2, JISC1502 requirements for Sound Level Meters



#### PART NO

AMPRSM20A

# Hand Torches



## Rechargeable LED Torch

### P7R

LUMENS 1000/250/20

RUN TIME (H) 2/5/40

WEIGHT (G) 210

DUST/WATER RESISTANT IP54

- Medium-bodied powerful rechargeable hand torch with contact charging system
- Floating Charge System – fully charged in 5 hours
- Flood/Spot Advanced Focusing Optics
- 1 x L-Ion 18650 3.7v 220mAh battery (supplied)



PART NO

LEDL9408R



## Polycarbonate LED Torch

### L7

LUMENS 100

RUN TIME (H) 6

WEIGHT (G) 135

DUST/WATER RESISTANCE IP54

- Polycarbonate housing resistant to both extreme cold and hot temperatures
- Flood/Spot Advanced Focusing Optics
- Corrosion resistant gold plated contacts for better conductivity
- 3 x AAA batteries (supplied)



PART NO

LEDL7008



## Police LED Tac Torch

### PTT

LUMENS 280/25

RUN TIME (H) 3/25

WEIGHT (G) 132

DUST/WATER RESISTANT IP54

- Medium-bodied tactical torch with classic twist focusing
- Flood/Spot Advanced Focusing Optics
- Robust, lightweight aircraft-grade aluminium housing
- 3 x AAA batteries (supplied)



PART NO

LEDL9804



## LED Torch

### P5

LUMENS 140

RUN TIME (H) 4

WEIGHT (G) 80

DUST/WATER RESISTANT IP54

- Small, slimline LED hand torch with outstanding performance
- Flood/Spot Advanced Focusing Optics
- Robust, lightweight aircraft-grade aluminium housing
- 1 x AA battery (supplied)



PART NO

LEDL500895



## LED Torch

### P7

LUMENS 450/250/40

RUN TIME (H) 1/2/25

WEIGHT (G) 175

DUST/WATER RESISTANT IP54

- Brilliant all-rounder medium-sized torch
- Flood/Spot Advanced Focusing Optics
- Dynamic switch, Speed Focus and wide light beam angle
- Robust, lightweight aircraft-grade aluminium housing
- 4 x AAA batteries (supplied)



PART NO

LEDL501046



## Handy Inspection Torch

### P4

LUMENS 18

RUN TIME (H) 8.5

WEIGHT (G) 53

DUST/WATER RESISTANT IP54

- Slim-pen-style inspection torch
- Speed Focus enables single-handed Flood/Spot beam focusing
- Handy pocket clip
- 2 x AAA batteries (supplied)



PART NO

LEDL8404





## Hand and Head Torches



### 180lm ATEX LED Headlamp Zone 0/20

#### EXH8

LUMENS 180/50

RUN TIME 15/40

WEIGHT [G] 345

DUST/WATER RESISTANT IP66

- Intrinsically safe Zones 0/20 compliant LED torch
- Flood/Spot Advanced Focusing Optics
- Direct the light within a 55° angle
- Rear red safety light
- 3 x AA [supplied]



PART NO

LEDL500685



### 50lm ATEX LED Torch Zone 0/20

#### EX4

LUMENS 50

RUN TIME [H] 7

WEIGHT [G] 65

DUST/WATER RESISTANT IP66

- Lightweight, intrinsically safe Zones 0/20 compliant LED torch
- Slimline profile
- Great 35 meter beam distance
- Handy pocket clip
- 2 x AAA batteries [supplied]



PART NO

LEDL500682



### Rechargeable Head Torch

#### H7R.2

LUMENS 300/200/20

RUN TIME [H] 4/10/30

WEIGHT [G] 165

DUST/WATER RESISTANT IP56

- Rechargeable headlamp packed with smart technology and focusing optics
- Multi-function dynamic wheel switch
- Rear safety light with red or blinking options
- Li-ion battery pack [supplied]



PART NO

LEDL7298



### LED Head Torch

#### H3.2

LUMENS 120/5

RUN TIME [H] 6/60

WEIGHT [G] 133

DUST/WATER RESISTANT IP54

- Super bright, lightweight and ideal for hands-free tasks
- Rapid beam focusing via Flood/Spot Advanced Focusing Optics
- Detachable, washable, adjustable headband
- 3 x AAA batteries [supplied]



PART NO

LEDL500767



### LED Head Torch

#### iSEO3

LUMENS 100/15

RUN TIME [H] 10/40

WEIGHT [G] 105

DUST/WATER RESISTANCE IP56

- Robust, high-quality headlamp designed for professionals
- Red light option and transport lock
- Flood/Spot Advanced Focusing Optics
- 3 x AAA batteries [supplied]



PART NO

LEDL5603



### Rechargeable LED Head Torch

#### iSEO5R

LUMENS 180/20

RUN TIME [H] 5/20

WEIGHT [G] 93

DUST/WATER RESISTANT IP56

- Precision engineered for professionals
- Red light option and transport lock
- Flood/Spot Advanced Focusing Optics
- Smart Light Technology
- 1 x Li-ion rechargeable battery pack, helmet connecting kit [supplied]



PART NO

LEDL5605R



# Head Torches, Hand Torches and Penlights

## Helmet Head Torch

### PS-HDL2

- 200 Lumen Cree LED
- hour to hours
- 90m beam range
- IPX6 waterproof
- 3M VHB Helmet mount (included)
- 3 x AAA Energizer alkaline batteries (included)



#### PART NO

UNIPSHDL2

## USB Helmet Head Torch

### HL-4R

- 275 Lumen Cree LED
- 6.5-170 hours runtime
- 95m beam range
- IPX5 water resistant
- 3M VHB helmet mount (included)
- 3.7v 1800mAh rechargeable battery
- Micro-USB cable (included)



#### PART NO

UNIHL4R

## Zone 0 Head Torch

### ATEX-H2

- 225 Lumen Cree LED
- 5-12 hours runtime
- 115m beam range
- IP67 dust and waterproof
- Silicone lined non-slip headband
- Safety Locking battery compartment
- 3 x AAA alkaline batteries (not included)



#### PART NO

UNIATEXRA2

## Zone 0 Penlight

### ATEX-PL1

- 65 Lumen Cree LED
- 18 hours runtime
- 30m beam range
- IP67 dust and waterproof
- Safety wrist strap (included)
- 2 x AAA alkaline batteries (not included)



#### PART NO

UNIATEXPL1

## Zone 0 Flashlight

### ATEX-FL4

- 150 Lumen Cree LED
- 6-69 hours runtime
- 235m beam range
- IP67 dust and waterproof
- Detachable pocket/belt clip (included)
- 4 x AA alkaline batteries (not included)



#### PART NO

UNIATEXFL4

## Zone 0 Head Torch

### ATEX-RA2

- 350 Lumen Cree LED
- 6.5-13 hours runtime
- 288m beam range
- IP54 dust and water resistant
- Rear pocket-belt clip
- 4 x AA alkaline batteries (not included)



#### PART NO

UNIATEXRA2

## Aluminium Flashlight

### FL-2

- 220 Lumen Cree LED
- 2-18 hours runtime
- 117m beam range
- IP67 dust and waterproof
- Pouch and strap (included)
- 1 x AA Duracell alkaline battery (included)



#### PART NO

UNIFL2

## Aluminium Penlight

### PT-2

- 275 Lumen Cree LED
- 1.5-15 hours runtime
- 90m beam range
- IP66 dust and waterproof
- Pouch and strap (included)
- 2 x AAA Duracell alkaline batteries (included)



#### PART NO

UNIPT2

## USB Aluminium Flashlight

### FL-11R

- 1100 Lumen Cree LED
- 4.5-80 hours runtime
- 270m beam range
- IP67 dust and waterproof
- 3.7v 2600mAh Li-ion rechargeable battery
- Pouch and strap (included)
- Micro-USB cable (included)



#### PART NO

UNIFL11R



# Site, Work and Inspection Lights

## Industrial Site Light

### SLR-1300

- 1300 Lumen COB LED
- 2 – 8.5 hours runtime
- 49 beam range
- IP65 dust and water resistant
- Tough IK07 aluminium structure
- 180° rotating stand/handle
- 3.7v 5200mAh Li-ion battery



#### PART NO

UNISLR1300

## Industrial Site Light

### SLR-2500

- 2500 Lumen COB LED
- 2.5 – 9 hours runtime
- 60m beam range
- IP65 dust and water resistant
- Tough IK07 aluminium structure
- Dual power – rechargeable and mains
- 11.1v 4400mAh Li-ion battery



#### PART NO

UNISLR2500

## Portable Site Light

### SLR-2750

- 2750 Lumen COB LED
- 1.5 – 11 hours runtime
- 88m beam range
- IP54 dust and water resistant
- 180° rotating stand/handle
- Power bank feature
- 7.4v 2000mAh Li-ion batteries



#### PART NO

UNISLR2750

## Tripod for SLR Site Lights

### TRI-SGL

- Single head tripod
- Can be used with SLR site lights used above
- Easily extended using twist action



#### PART NO

UNITRISGL

## USB Compact Work Light

### SLR-500

- 500 Lumen COB LED
- 3½ - 61 Hours Runtime
- 24m Beam Range
- IPX5 Water Resistant
- Add. 300 Lumen Torch
- 180° Magnetic Folding Handle/Hook/Stand
- 3.7v 2000mAh Li-ion Battery



#### PART NO

UNISLR500

## USB Compact Work Light

### SLR-1000

- 1000 Lumen COB LED
- 4 – 84 hours runtime
- 40m beam range
- IPX5 water resistant
- Add. 300 Lumen torch
- 180° magnetic folding handle/hook/stand
- 3.7v 5200mAh Li-ion battery



#### PART NO

UNISLR1000

## USB Inspection Light

### PS-i2R

- 275 Lumen SMD LEDs
- 6 – 13 hours runtime
- 18m beam range
- IPX4 water resistant
- Add. 250 Lumen torch
- 240° rotating magnetic stand
- 3.7v 1600mAh Li-ion battery



#### PART NO

UNIPSI2R

## USB Inspection Light

### PS-IL5R

- 500 Lumen SMD LEDs
- 3 – 7 hours runtime
- 52m beam range
- IP54 dust and water resistant
- Add. 200 Lumen torch
- Magnetic pocket clip
- 3.7v 2500mAh Li-ion battery



#### PART NO

UNIPSI5R

## USB Inspection Light

### PS-IL10R

- 1000 Lumen SMD LEDs
- 3 – 32 hours runtime
- 64m beam range
- IP54 dust and water resistant
- Add. 250 Lumen torch
- Magnetic hanging hook
- 3.7v 5000mAh Li-ion battery



#### PART NO

UNIPSI10R

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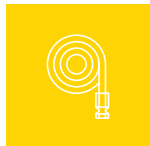


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A close-up, low-angle shot of industrial machinery, featuring several Festo pneumatic cylinders and valves. The cylinders are silver with black and blue accents. The background is a blurred industrial setting with various pipes and structures under a bright sky.

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# ERIKS



BEARINGS & LUBRICATION



POWER TRANSMISSION



SEALING & POLYMER



FLUID POWER, TRANSFER & CONTROL



FLOW CONTROL



INDUSTRIAL MRO & SAFETY



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