

Product Guide

Issue 5

Silclear.com





“Since 1987 Silclear have been designing and manufacturing quality bespoke silicone products, we have been tried, tested, and trusted to help resolve our customers product challenges.”

Ian Bradbury, Managing Director, Silclear

Leading the way since 1987

Silclear has a wealth of knowledge and expertise, combined with our in-house engineering department, we can produce any silicone product from initial design to full-scale manufacture. Silclear is committed to working closely with customers and partners to innovate for today's and tomorrow's solutions.

Why Silclear?

Silclear collaborates closely with OEMs and engineers to create custom silicone solutions. With years of industry experience, we export top-quality silicone products globally. Our expertise ensures cost-effective high-volume manufacturing. Trust Silclear for innovative designs, quality assurance, and a solid reputation in the industry.

Quality

Silclear only use high quality raw material – we blend, and process specially formulated silicones optimised for maximum strength, tear resistance and optical clarity. Different formulations are used for different Silclear products to ensure that each product has the best possible material properties for the application. Careful control of all manufacturing parameters and good production practices ensure that all Silclear products are of the highest quality.

TRUSTED SUPPLIER

Silclear are leading manufacturers of superior quality silicone tubing and fittings for reliable fluid transfer to industries around the world.



Contents

Our seasoned team, coupled with an in-house engineering department, empowers us to create a wide range of silicone products, from concept to full-scale production.

- 4** **Our history**
Find out more about what we do and why
- 5** **Our sectors**
Navigating diverse industries with expertise
- 6** **Dairy solutions**
Elevating excellence in dairy solutions
- 12** **Food & beverage solutions**
Innovating for manufacturing success
- 14** **Pharma / medical solutions**
Pioneering healthcare solutions
- 16** **Industrial solutions**
Precision engineered for industry demands
- 18** **Bespoke solutions**
Tailored excellence for unique challenges



Our history

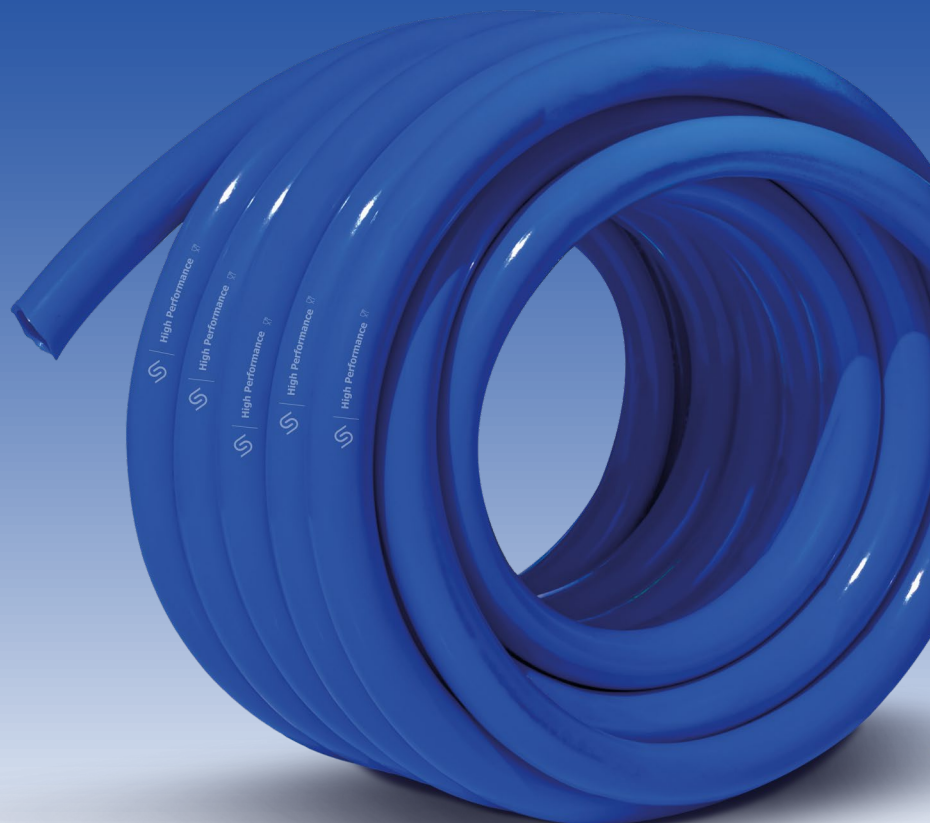
Silclear is based in New Milton, Hampshire on the south coast of England, and was established in 1987 following a collaboration between a chemist and an expert from the dairy industry who both recognised the opportunity to market silicone tubing and moulded products to the farming community. The products that Silclear made in our New Forest location were soon favoured by dairy manufacturers worldwide.

Continued growth of the business through the early and mid-1990s resulted in the company relocating to its present site in 2001 to accommodate additional processing equipment, and to bring manufacturing, warehousing, and administration under one roof.

In 2013 Silclear was acquired by Tudorhead Holdings, bringing two new directors to the business.

Silclear thrived under their management, which resulted in Silclear being purchased by Skellerup Holdings in 2019. Skellerup are a global designer, manufacturer and distributor of polymer products and vacuum systems. Skellerup's headquarters are in New Zealand and the company is recognised for providing innovative engineered solutions for customers in dairy rubberware, water and related infrastructure, roofing, plumbing, automotive, health, mining and a range of other industrial applications.

Silclear and its products have continued to go from strength to strength and now, as part of the Skellerup group of companies, we aim to supply even more innovative silicone solutions to customers and partners around the world.



Dairy solutions

Elevate dairy production with our premium silicone solutions, ensuring hygiene and efficiency. Achieve results that always meet the highest industry standards for a superior end product.

Pages 6-11



Food & beverage solutions

Transform food processing experiences with our innovative silicone solutions. Our products uphold quality and hygiene for a new era of excellence.

Pages 12-13



Pharma & medical solutions

Rely on our advanced silicone solutions for pharmaceutical and medical applications. Committed to precision and hygiene, our products will ensure reliability in critical medical processes.

Pages 14-15



Industrial solutions

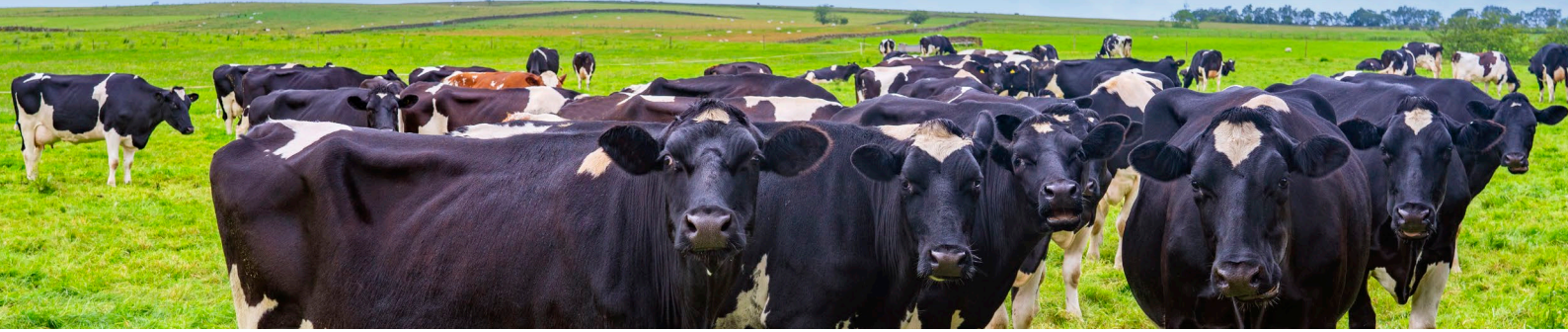
Our products withstand tough conditions, providing unmatched reliability. Explore innovative solutions where industrial challenges meet silicone excellence.

Pages 16-17



Dairy solutions

Elevate dairy production with our premium silicone solutions. Ensuring hygiene and durability, our products meet the highest industry standards for superior end results.



Silicone dairy tubing

We offer two ranges of silicone tubing both manufactured in the UK. Utilising high-quality raw materials, Silclear tubing exhibits enhanced performance and superior tensile strength, resulting in extended durability.

-  Durable
-  Flexible
-  Hygienic
-  Strong



DAIRY SOLUTIONS | SILICONE DAIRY TUBING

Silclear High-Performance Dairy Tubing

Code	Length	Description
Milk tube		
S14	20m	14mm x 24mm Milk tube/wash line
SB14	20m	Blue 14mm x 24mm Milk tube
S16	20m	16mm x 26mm Milk tube
SB16	20m	Blue 16mm x 26mm Milk tube
Pulsation Tube		
S6	20m	6mm x 12mm Long & short pulse tube
S6X8	25m	6mm x 1mm Long & short pulse tube
S7	20m	6mm x 15mm Long & short pulse tube
S7T	20m	7mm x 14mm TWIN/double pulse line
S7X13	40m	7mm x 13mm High-strength TWIN/double pulse line
SB7	20m	Blue 7mm x 15mm Pulsation tube
SB7T	20m	Blue 7mm x 14mm TWIN pulsation tube
S8	20m	8 mm x 16 mm Long pulse/short milk
S8T	20m	8mm x 15mm TWIN/double pulse line
S9	20m	9mm x 17mm Long pulse/short milk
S9T	20m	9mm x 16mm TWIN/double pulse line
S9X16	40m	9mm x 16mm High-strength TWIN/double pulse line
SB9	20m	Blue 9mm x 17mm Pulsation tube
S10	20m	10mm x 18mm Long pulse/short milk
S10X16	20m	10mm x 16mm Long pulse/short milk
S12X21	25m	12mm x 21mm Long pulse/short milk

Code	Length	Description
Sample Tube		
S5	25m	5mm (internal diameter) Sample tubing
Transfer Tube		
S19	20m	19mm x 29mm Transfer tube (generally used on servo valves)
S19F	10m	19mm x 31.8mm Transfer tube (generally used on clamp valves)
SB19	20m	Blue 19mm x 29mm Transfer tube
S22	20m	22mm x 34mm Transfer tube (servo or clamp valves)
SB22	20m	Blue 22m x 24mm Transfer tube
Pipeline Tube		
S28B	1 - 10m	28mm x 38mm Generally bulk tank side of pump (fits onto 32mm bend)
S28V	10m	28mm x 42mm Generally vacuum side of pump (fits onto 32mm bend)
S38	1 - 5m	38mm x 52mm Pipeline (fits 40mm outer diameter)
SB38	1 - 5m	Blue 38mm x 52mm Pipeline (fits 40mm outer diameter)
S47	1 - 5m	47mm x 61mm Pipeline (fits 50mm outer diameter)

Milk-Sil Classic Dairy Tubing

Code	Length	Description
Milk tube		
M14	20m	14mm x 24mm Milk tube/wash line
MB14	20m	Blue 14mm x 24mm Milk tube/wash line
MTG14	20m	Translucent green 14mm x 24mm Milk tube/wash line
M16	20m	16mm x 26mm Milk tube
MB16	20m	Blue 16mm x 26mm Milk tube
MTG16	20m	Translucent green 16mm x 26mm Milk tube
Pulsation Tube		
M6	20m	6mm x 12mm Milk tube
M7	20m	7mm x 15mm Long & short pulse tube
MB7	20m	Blue 7mm x 15mm Long & short pulse tube
M7T	20m	7mm x 14mm TWIN/double pulse line
MB7T	20m	Blue 7mm x 14mm TWIN/double pulse line
MTG7T	20m	Translucent green 7mm x 14mm TWIN/double pulse line
M8	20m	8mm x 16mm Long pulse/short milk
M8T	20m	8mm x 15mm TWIN/double pulse line

Code	Length	Description
MB8T	20m	Blue 19mm x 29mm TWIN/double pulse line
M9	20m	9mm x 17mm Long pulse/short milk
MB9	20m	Blue 9mm x 17mm Long pulse/short milk
M10	20m	10mm x 18mm Long pulse/short milk
MB10	20m	Blue 10mm x 18mm Long pulse/short milk
M14	20m	14mm x 24mm Milk tube/wash line
MB14	20m	Blue 14mm x 24mm Milk tube/wash line
MTG14	20m	Translucent green 14mm x 25mm milk tube/wash line
M16	20m	16mm x 26mm Milk tube
MB16	20m	Blue 16mm x 26mm Milk tube
MTB16	20m	Blue 16mm x 27mm Milk tube
MTG16	20m	Translucent green 16mm x 27mm Milk tube
Transfer Tube		
M19	20m	19mm x 29mm Transfer tube (generally used on servo valve)
MB19	20m	Blue 19mm x 29mm Transfer tube (generally used on servo valve)



Need a bespoke dairy tubing solution?

Can't find what you're looking for? Silclear thrives on creating customised solutions designed specifically for you. We can make silicone tubing in nearly any size, any colour, and we even offer a bespoke logo printing service. Your vision, our commitment.

Go to page 18 for more information

Milking liners

Bovine and small ruminants

Revolutionise dairy processing with our lightweight silicone liners. Crafted for peak performance, these liners ensure hygiene, durability, and efficiency for superior dairy production.



Durable



10,000 milkings



Hygienic



Lightweight



DAIRY SOLUTIONS | MILKING LINERS

Cow milking liners

Code	Description
LS1	Clear shell for Silclear Liner
LLS1	Single Silclear Liner & Shell
LLS4	Set of 4 Liners & Shells
LLS4J	Set of 4 Liners & Shells (shortened)
LLS4R	Set of 4 Silclear Liners only



DAIRY SOLUTIONS | MILKING LINERS

Goat milking liners

Code	Description
GLS	Single Goat Liner (Straight)
LSG	Single Goat Liner Shell (Straight)
LS2GSR	Set of 2 Goat Liners (No shells) (Straight)
LS2GL	Set of 2 Goat Liners & Shells (Straight)
LSGL	Single Goat Liner shell (L-shaped)
LS2GLR	Set of 2 Goat Liners (No shells) (L-shaped)
LS2GS	Set of 2 Goat Liners & Shells (L-shaped)



DAIRY SOLUTIONS | MILKING LINERS

Sheep milking liners

Code	Description
LS2SL	Set of 2 Sheep Liners & Shells (L-shape)
LS2SLR	Set of 2 replacement sheep Liners (L-shape)
LS2SS	Set of 2 Sheep Liners & Shells (Straight)
LS2SSR	Set of 2 Sheep Liners (No Shells) (Straight)
LSSS	Single Sheep Shell (Straight)
LSSL	Single Sheep Shell (L-shape)



Liner accessories

Optimise dairy operations with our silicone liner accessories. Engineered for durability and precision, these accessories elevate hygiene standards when paired with our silicone liners, and ensure seamless performance in dairy processing.



Durable



Flexible



Hygienic



Easy to use



DAIRY SOLUTIONS | MILKING LINERS

Accessories

Code	Description
GRIPPA	Liner accessory: Grip grommet for thin nipped claws
LLSLV	Liner sleeve: impact damage protection sleeve
RJ/02	Internal rose jetter to suit Silclear Liner
RJB/01	Jetter wash branch
CLAW	Clawpiece - suits Silclear Liners
CLAW BASE	Claw Base
CLAW O RING	O Ring - NEW
CLAWBOWL	Clear Bowl only for Claw piece
CLIP	Claw clip
DEOBLK	Black alternative seal for claw
Short Pulse Tubes	
CA7	7mm x 224mm Short pulse tube (12 pack)
CA7(1)	7mm x 224mm Short pulse tube (1 only)
CA7(4)	7mm x 224mm Short pulse tube (4 pack)
CF7	7mm x 267mm Short pulse tube (12 pack)
CF7(1)	7mm x 267mm Short pulse tube (12 only)
CF7(4)	7mm x 267mm Short pulse tube (4 pack)
CF8	8mm x 254mm Short pulse tube (12 pack)
CF8/4	8mm x 254mm Short pulse tube (4 pack)
CW10	10mm x 160mm Short pulse tube (12 pack)
LLS7(1)	250mm Short pulse tube (1 only)
LLS7(12)	250mm Short pulse tube (12 pack)
LLS7(4)	250mm Short pulse tube (4 pack)



Haven't found what you're looking for?

When our stock range doesn't quite meet your needs, Silclear excels in crafting bespoke solutions tailored to your specifications. Experience personalised excellence, ensuring your unique requirements are met with precision and innovation. Your vision, our commitment.

Go to page 18 for more information

Accessories

Silicone fittings

Discover superior durability and longevity in our silicone accessories tailored for your dairy parlour. Elevate hygiene standards and ensure lasting performance with top-notch materials.



Durable



Flexible



Hygienic



Easy to use



DAIRY SOLUTIONS | ACCESSORIES

Bends

Code	Description
B1	32mm Slow easy bend
B3	40mm Slow easy bend
B4	40/32mm Reducing bend
B5	50mm Bend
B5S	50mm Short bend (98mm)
B7	14mm x 150mm Long Tailed 90° bend
B8	16mm x 150mm Long Tailed 90° bend
B9	19mm x 150mm Long Tailed 90° bend



DAIRY SOLUTIONS | ACCESSORIES

Connectors

Code	Description
C1	32mm Straight connector
C2	40mm Straight connector
C3	50mm Straight connector
C4	40/32mm Reducing connector
C5	50/40mm Reducing connector
C6	50/32mm Reducing connector
C9	76mm Straight connector
TY	Pulsation 'Y' piece coupler



DAIRY SOLUTIONS | ACCESSORIES

Elbows

Code	Description
E1	32mm Long shoulder elbow
E2	40mm Short elbow



Tees

Code	Description
T1	32mm Equal Tee
T2	32mm Long Tee
T3S	32mm Jar bottom Tee (Body only)
T6S	32mm Jar bottom Tee & tapered rb/lifter
T8	32mm Swept-in line Tee
T9	40mm Equal Tee
T10	40mm Jar bottom Tee (body only)
T10S	40mm Jar bottom Tee
T11	40mm Jar bottom Tee (including tap & reducer)
T15	50mm Equal Tee



Valves

Code	Description
F1	32mm Butterfly valve
F2	40mm Butterfly valve



Washers / Diaphragms / Miscellaneous

Code	Description
A1	Dairy/Cluster Ring (10 pack)
AA1	Dairy/Cluster Ring (100 pack)
A2	32/19mm Reducer
A3	32/16mm Reducer
A4	32/14mm Reducer
A5	Spring (fits 14mm internal diameter tube)
A6	Spring (fits 16mm internal diameter tube)
A72	12.5mm Tap (for Jar bottom tee)
A75	19.5mm Tap (for Jar bottom tee)
A8	Diaphragm
A81	130mm Dia regulator diaphragm
A9	Master relay gasket (F-Type)
A10	Pulsation washer
A11	Pulsation diaphragm
A12	Pulsation washer

Code	Description
A14	Milk pump non-return valve (A-type)
A15	Milk pump non-return valve (F-type)
A16	White pulsation diaphragm (A-type)
A17	Diaphragm (without hole - 032352)
A17A	Diaphragm (without hole - 032337 equivalent)
A18	Diaphragm (Westfalia type)
BALL	Ball lifters
RJ	Rose jettors
RJ/02	Orange internal rose jetter
RJB/01	Jetter wash branch (superior)
T12X	Spare ball for T12
T12Z	Spare metal ball lifter bar
T6X	Spare ball for T6
SS14	Sleeving to fit 14 mm (internal diameter) milk tube
SS16	Sleeving to fit 16 mm (internal diameter) milk tube



Food & beverage solutions



Food & beverage solutions, manufactured to your exacting requirements

Material Properties

- Available in a wide variety of sizes and colours
- FDA, BfR, 3A & WRAS approved.
- Highest grade of silicone used for food products
- No peroxide by-products
- Higher tear strength
- 60 shoreA as standard, but available in different shore hardness on request.



No toxic additives



Ultra smooth surface



Extreme temperature resistant



UV light corrosion resistant



Transparent and custom colour options



Material properties unchanged by time





FOOD & BEVERAGE SOLUTIONS

Tubing

Product Details	Variations	Application
Vending machine tubing (platinum cured) 60ShoreA	Various colours, sizes and material properties available	For use in hot & cold drink vending machines
Fluid Transfer tubing	Various colours, sizes, material properties available	Liquid food transfer between food processing machinery
Pipeline tubing	Various colours, sizes, material properties available	Transfer between collection and storage tanks
Tank lid seal tubing	Diameters made to order on request	For sealing storage tank lids in various food & beverage plants
Silicone Cord	Common sizes and colours available	For sealing doors, lids, bespoke containers and dampening
O-rings, Seals and Gaskets	Various colours, sizes, material properties available	To prevent contamination and leaks in bespoke machinery

Silicone is best known for its ability to stand up to the demanding pressures of food production without affecting the quality of the food products being made. Our highly resistant food-grade silicone tubing is well suited for use in the food and drinks industry to transfer liquids between processes.

Need a bespoke food & beverage solution?

If you can't find the size or material property you need for your application, we can support you. Just give us a call and we will help design, manufacture, and deliver what you need.

Go to page 18 for more information

Pharma & medical solutions



Pharma solutions, manufactured to your exacting requirements

Silicones are widely used in pharmaceutical manufacturing, across a wide range of applications:

- Peristaltic pump tubing
- Fluid transfer tubing
- Vial filling tubes
- High pressure reinforced hoses gaskets, and seals.

The durability and flexibility added to the hygienic qualities of silicone tubing make our products an ideal solution for the pharmaceutical industry.

At Silclear we can manufacture a range of high-performance silicone tubing and silicone peristaltic tubing for various medical applications.

Our silicone products are made to the highest standards and according to disciplined in-house processing procedures. Renowned for its unique hygienic properties silicone plays a crucial role in modern medicine satisfying the highest quality standards demanded by healthcare professionals, patients, and families.



Looking for a bespoke pharma & medical solution?

Contact us to discuss your requirements and we will help design,
manufacture, and deliver your new solution.

Go to page 18 for more information

Industrial solutions



Industrial solutions, manufactured to your exacting requirements

Silclear's range of products is suitable for many applications in the industrial sector. Our silicone cord, tubing and mouldings play an ever-increasing role due to the material being so durable. The strength, resilience and flexibility of silicone is why these products are used so often in the industries below:



Building & construction

Electrical insulation, window and door seals



Plumbing & heating

Tubing and gaskets for boilers



Automotive

Silicone reinforced hoses, silicone paint line tubing



Aerospace

Seals and gaskets, thermal insulation

Silicone moulding

Silclear manufacture a wide range of silicone mouldings, with compression moulding for the small one-off projects and injection moulding for the large volume ongoing contracts.

We provide technical design assistance, and work closely with our customer from initial concept and prototyping, through tool design, production runs and aftersales.

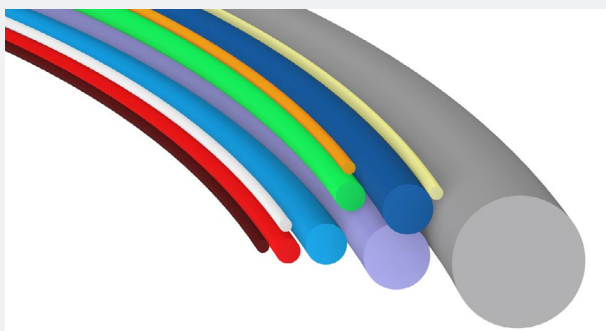


Silicone cord

We produce a range of solid silicone cord and can supply in its cord form, cut to the desired length, or joined into O-rings. They are available in a variety of colours, sizes and material grade.

Key features:

- Shore Hardness: 60 ± 5° (standard)
- Excellent resistance to both low and high temperatures
- Maintains its flexibility and compressibility
- Very good resistance to UV, light and ozone
- Exhibits high electrical insulation properties
- Suitable for use with drinking water
- Food-grade

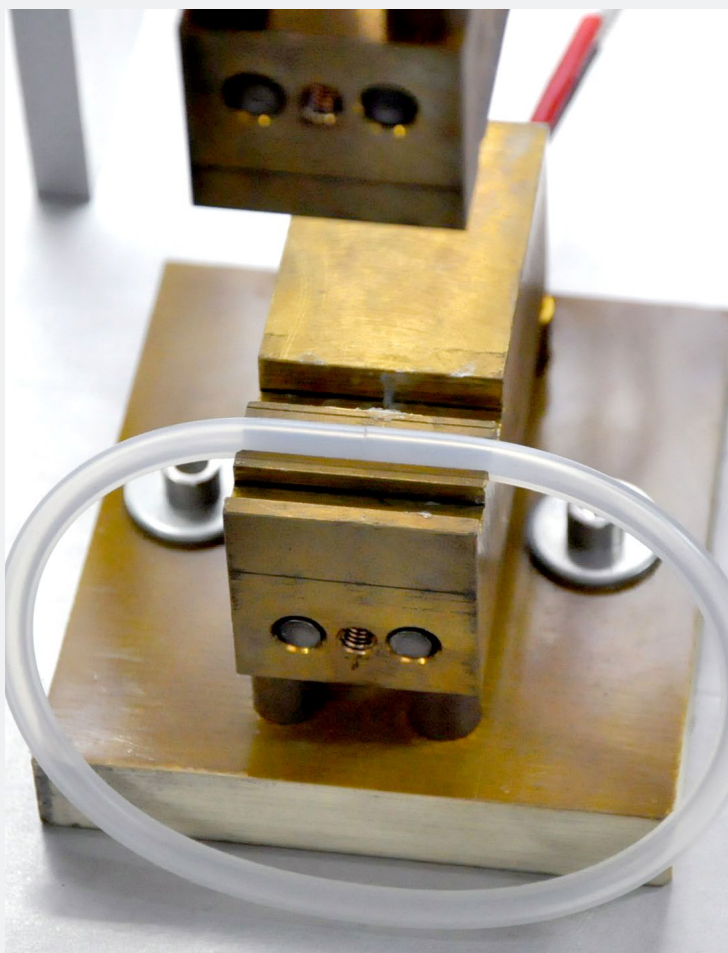
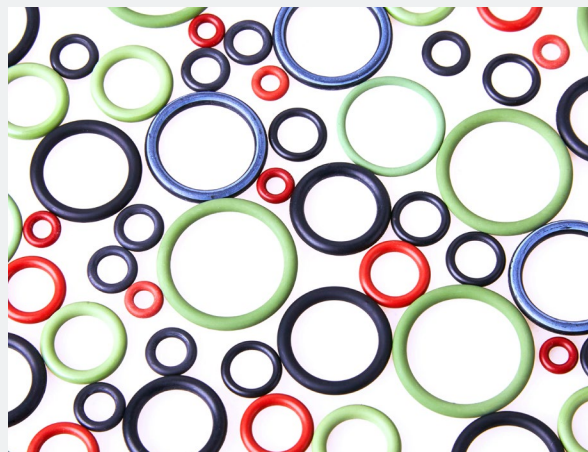


Silicone O-rings

Silclear can manufacture silicone rubber O-rings, by bonding cord or tubing into rings. Unlike other kinds of O-Rings, silicone offers excellent temperature, chemical and environmental resistance.

Applications:

- Cryogenic applications
- Pumps, connectors, and valves, particularly in food and beverage and pharmaceutical industries
- Seals & gaskets



Looking for a bespoke industrial solution?

Contact us to discuss your requirements and we will help design, manufacture, and deliver your new solution.

Go to page 18 for more information

Bespoke solutions



Innovative research, design and manufacture, all in the UK

Where innovation meets personalisation. At Silclear, we pride ourselves on our ability to turn your unique concepts into tangible reality. Our team of seasoned experts specialise in designing, creating, manufacturing, and delivering bespoke solutions tailored to your exact specifications. Whether you have a detailed set of material requirements, a visionary concept or slight adjustments. Silclear is your trusted partner in bringing ideas to life. From concept to delivery, we ensure precision, quality, and a seamless process that exceeds expectations.

Experience the power of tailored solutions with Silclear - where your ideas take center stage, and possibilities are limitless. Ready to turn your vision into reality?

Let Silclear be your partner in bespoke solutions. Our team is eager to collaborate with you, ensuring every detail aligns with your unique requirements. Contact us today to discuss how we can deliver the perfect solution for you. Your ideas, our expertise. Get in touch with us and embark on a journey of personalised innovation.



Research



Design



Manufacturing



Delivery



Bespoke printing service

Where others may only offer choices of black or white basic font, we can logo print silicone coils and parts in almost any colour.



Bespoke silicone materials

With our in-house lab we can test and formulate silicone properties in so many different ways to meet your needs or, tell us how you want your product to perform and we'll advise the best formulation ourselves.



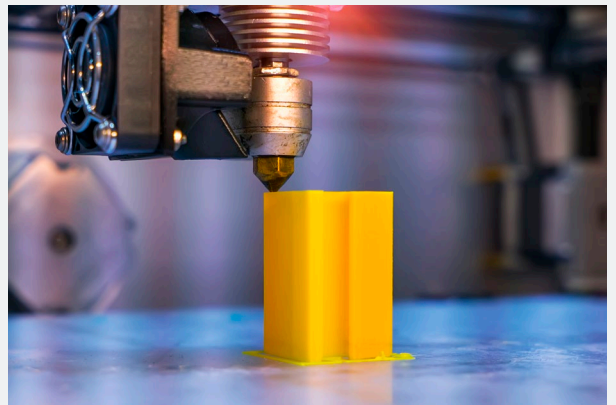
Bespoke manufacturing

Silclear also design bespoke manufacturing equipment to produce our customers bespoke products. We design tooling for our following in-house capabilities (Injection Moulding, Extrusion, Compression Moulding, Roll Milling and O-ring joining).



3D printing and CAD design

If you can't provide detailed drawings for your concept don't worry, we can help. We'll draw and model your design in our CAD software for you. When you're happy, we can bring your new product to life by 3D printing your design.



Get in touch

Contact us today to discuss how we can design, create, manufacture, and deliver the perfect bespoke solution for you. Your unique project is just an email or call away.

+44 (0)1425 610 700 info@silclear.com



+44 (0) 1425 610700

info@silclear.com

silclear.com

6-8 Hamilton Business Park, Gore Road, New Milton,
Hampshire, BH25 6TL. United Kingdom

