

Silicone Extrusion Specialists

Custom and standard silicone rubber extrusions manufactured in Worthing, West Sussex. From simple cord and strip to complex bespoke profiles and seals — any cross-section, any quantity, any grade, with all extrusion tooling produced in-house.

**Est. 1991**

BRITISH MANUFACTURER

10,000+

DIES PRODUCED TO DATE

5 DaysIN-HOUSE TOOLING
FROM**+300°C**

HIGH-TEMP GRADES TO

**ISO
9001****Quality Management**

BSI Certified

**ISO
14001****Environmental Management**

BSI Certified

GB**Made in Britain**

Registered Member

British Silicone Manufacturing Since 1991

Viking Extrusions is a leading **silicone rubber extrusion manufacturer** based in Worthing, West Sussex. For more than three decades we have produced high-performance silicone extrusions for industries ranging from food processing and construction to automotive and medical devices.

Our capabilities cover the full spectrum — from standard profiles, tubing, cord and strip to fully bespoke cross-sections designed and tooled to your exact specifications. Whether you need **10 metres of prototype material or a 10,000-metre production run**, we deliver consistent quality with short lead times.

Critically, **we produce all of our own extrusion tooling in-house**. That means faster lead times, tighter quality assurance, and the ability to iterate on designs quickly without relying on third-party tool makers. Our engineering team can design new tooling from your drawings, samples or sketches — typically in as little as five working days.



Our extrusion lines in Worthing — from raw compound to finished profile

-50°C to +300°C

OPERATING RANGE (HT
GRADE)

Shore A 20–80

HARDNESS RANGE

10m

MINIMUM ORDER — NO
MAXIMUM

Made in UK

WORTHING, WEST SUSSEX



In-House Custom Tooling

Bespoke dies from drawings or samples — from 5 working days



Any Cross-Section

Simple cord to complex multi-cavity profiles



Any Colour

RAL & Pantone matching on request



Solid & Sponge Grades

Full range of hardnesses and densities

Why customers stay with us

Owning the whole process — compound, tooling, extrusion, curing and finishing — under one roof means we control quality at every stage and answer technical questions in hours, not weeks. Send us a drawing, a sample or a sketch and our engineers will respond with a practical, no-obligation recommendation.

Products & Capabilities

Every product below is extruded in-house in solid or sponge silicone, in any colour, and supplied cut to length, joined into rings, or coiled onto drums — from one-off prototypes to full OEM production.



Extrusion Profiles

Standard & bespoke cross-sections — 10,000+ dies produced to date



Tubing & Hose

Platinum-cured, food-grade and industrial silicone tubing



Cord

Solid & sponge cord in metric diameters, any hardness



Strips

Solid and sponge sealing strip, plain or self-adhesive



Seals & Gaskets

Extruded seals incl. inflatable seals and door gaskets



O-Rings & Joined Rings

Cord joined to any diameter — vulcanised, food-safe joints



Sheeting

Solid & sponge silicone sheet, plain or reinforced



Cut-to-Length Parts

Precision cutting, drilling and finishing to your spec

Standard Profile Shapes

A small sample of our most requested cross-sections. Of the **10,000+** dies we have produced, more than 2,500 are categorised into standard shapes — the **largest online library of standard profiles**, searchable by profile type and dimensions at www.vikingextrusions.co.uk. And if you need something different, we'll tool it.

2,500+

PROFILES ONLINE



OUR SPECIALITY

Silicone Inflatable Seals

Viking Extrusions is one of **Europe's leading manufacturers of silicone inflatable seals**, with more than 20 years of experience and many pioneering tooling and manufacturing techniques developed along the way.

An inflatable seal is a **hollow extruded profile joined into an airtight loop**. When inflated, the seal expands to close the gap between two surfaces — conforming around uneven faces and variable gaps that conventional static seals simply can't handle.

Our inflatable seals are manufactured from **VINF60**, a silicone grade we developed specifically for the job: independently tested, with high tear strength and excellent joining properties. It is transparent, can be pigmented to most colours, and is **FDA and EC 1935/2004 compliant**. High-temperature, flame-retardant and steam-resistant grades are also available.



Silicone inflatable seals — joined, corner-moulded and fitted with air connectors in-house

20+ Years

MAKING INFLATABLE
SEALS

100%

INDIVIDUALLY LEAK-
TESTED

VINF60

FDA & EC 1935/2004
GRADE

Worldwide

SUPPLIED TO GLOBAL
INDUSTRY



Valves & Air Connectors

Standard Presta, Schrader & Festo valves, or bespoke connectors — bonded, nut-and-washer or moulded-cone fitted



Moulded Corners

Pre-moulded corners achieve tight-radius bends beyond the profile's natural bend limit



In-House Tooling & Corner Moulds

Bespoke designs, plus a catalogue of existing profiles and mould tools to cut cost and lead time



Specialist Grades

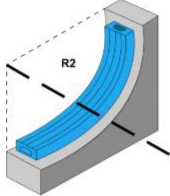
High-temperature, flame-retardant and steam-resistant silicone compounds

Every seal tested. Every seal traceable.

Each inflatable seal is individually proven by submersion leak test at our ISO 9001 certified facility, then supplied with a laser-etched unique reference number and a corresponding signed test certificate — consistent quality and full traceability, on every single seal.

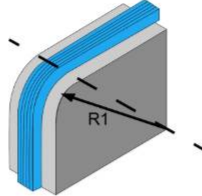
Six Standard Configurations

The right configuration depends on which direction the seal needs to inflate and the shape it has to follow. All six can be built from our existing profile range or a bespoke cross-section.



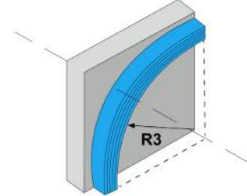
Radial In

Inflates towards its centre — ideal for clamping, shaft maintenance and valve seals.



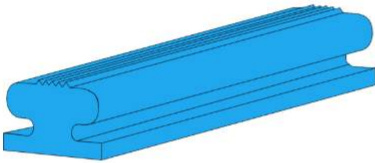
Radial Out

Inflates away from its centre — clamped, grooved or stretched into place. Common on airlock doors and drum/bag fillers.



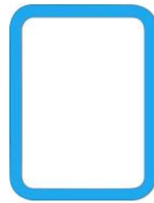
Axial

Inflates perpendicular to the seal's radius — the classic choice for door and hatch seals.



Straight Length

End-blocked straight seals used as production-line clamps, actuators, and watertight seals under large sliding doors.



Rectangle, Moulded Corners

Pre-moulded corners let the seal follow tight rectangular frames — sliding doors and mixer lids.



Goal-Post

Straight lengths combined with moulded corners into a U-shape that expands axially.

From wind tunnels to mega yachts

Our inflatable seals serve industries worldwide: semiconductor processing, robotics and optics · marine portholes, lift platforms and loading hatches · furnace sealing and continuous steel casting · FDA-compliant food processing · medical, pharmaceutical and life-sciences applications.



Compression Moulding

Alongside our extrusion lines, we run a full **rubber moulding shop** in Worthing. Compression moulding is the workhorse process: a pre-measured blank of rubber compound is compressed between heated mould halves, then vulcanised under controlled temperature, pressure and time — ideal for **prototypes, larger parts and low-to-medium volume production**.

Because we both mould and extrude, **we start with your part, not our process**. A constant cross-section is usually cheaper to extrude; a discrete 3D component needs moulding. Either way, mould tooling is designed in-house, quoted transparently and separately from unit price, and remains dedicated to your parts.

We mould in **silicone, EPDM, nitrile, neoprene, FKM and natural rubber** — from FDA food-safe grades to fuel-resistant compounds — with batch traceability from raw material to finished part.



Loading a mould tool into one of our compression presses in Worthing



Gaskets & Seals

Moulded gaskets, bungs and bespoke sealing components



Grommets & Boots

Cable grommets, boots and bushes for automotive & electrical



Buffers & Mounts

Anti-vibration blocks, buffers, machine feet and mounts



Bonded Inserts

Metal inserts prepared and moulded in place



Rapid Prototypes

3D-printed mould tooling for fast, low-cost silicone prototypes



Inspected & Certified

Deflashed and inspected to ISO 3302-1, first-article reports available



Moulding and extrusion under one roof

Send us your drawing (PDF, DXF or STEP), a physical sample — even a worn one — or a sketch with dimensions. We'll recommend the right process and material for your part, design the tooling in-house, and deliver from one-off replacements to scheduled production, all to ISO 9001 disciplines.

The Right Silicone for Your Application

SOLID SILICONE

Dense & Durable

Non-porous profiles that provide firm sealing pressure, chemical resistance and structural support. Shore A hardnesses from 20 (very soft) to 80 (firm), with 40–70 as standard grades.

- ✓ Firm, long-life sealing pressure
- ✓ Excellent chemical & UV resistance
- ✓ Precision tolerance capability

SPONGE SILICONE

Soft & Compressible

Cellular structure with air pockets — softer, more compressible, and ideal for low-closure-force sealing, vibration dampening and thermal insulation. Densities from 150 to 500 kg/m³.

- ✓ Seals uneven or lightweight closures
- ✓ Vibration damping & insulation
- ✓ Low compression set

FDA Food Grade

FDA-compliant and EC 1935/2004 compounds for food & beverage contact, with compliance certificates supplied.

Platinum Cured

Ultra-clean cure system for medical, pharmaceutical and high-purity food applications.

High Temperature

Specialist grades rated up to +300°C for ovens, exhausts and process plant.

Flame Retardant

Fire-performance grades including EN 45545-2 rail-specification and aerospace-specification compounds.

Metal Detectable

Detectable compounds for food production lines, supporting HACCP contamination controls.

General Purpose

Cost-effective VMQ silicone for everyday sealing, -50°C to +200°C as standard.

Material capability at a glance

**-50°C to
+200°C**

STANDARD GRADES

+300°C

HIGH-TEMPERATURE
GRADES

**Shore A 20–
80**

SOLID HARDNESS
RANGE

**150–500
kg/m³**

SPONGE DENSITY
RANGE

Trusted Across Industries

Silicone's exceptional temperature range, UV stability and food-safe grades make it the sealing material of choice in demanding environments. Here's where our extrusions end up.



Food & Beverage

FDA-compliant seals, gaskets and tubing for processing plants, commercial ovens and filling lines — with metal-detectable options.



Medical & Pharmaceutical

Platinum-cured, biocompatible tubing and profiles for devices and clean processing environments.



Automotive

Under-bonnet seals, cable grommets and high-temperature trim that survive heat, oil mist and vibration.



Construction & Glazing

Weatherseals and glazing gaskets with outstanding UV and ozone resistance for decades of outdoor service.



Rail & Aerospace

Flame-retardant EN 45545-2 rail-spec and aerospace-spec compounds for fire-critical applications.



Lighting & Electronics

LED channel seals, cable management and insulating profiles rated for continuous heat.



HVAC

Duct seals and insulation profiles that stay flexible from freezing plant rooms to hot supply runs.



Industrial OEM

Bespoke profiles engineered into ovens, enclosures, machinery and appliances across UK manufacturing.

Don't see your industry? We probably still make for it.

With more than 10,000 dies produced and 30+ years of applications experience, the fastest way to find out is to send us your drawing or sample — our technical team will recommend the right profile and grade, usually the same day.



From Drawing to Delivery

1

Enquiry & Engineering Review

Send a drawing, a sample, or even a sketch. Our engineers confirm the profile, recommend the right silicone grade and tolerance class, and provide a no-obligation quotation.

2

In-House Tooling

We design and manufacture all extrusion dies ourselves — typically in as little as 5 working days. No third-party tool makers, no long waits, and rapid iteration if the design evolves.

3

Extrusion & Curing

Uncured silicone compound is extruded through the die and vulcanised in our curing ovens, producing continuous lengths of consistent, high-quality profile.

4

Finishing, Inspection & Dispatch

Profiles are post-cured, dimensionally inspected against specification, then cut to length, joined into rings or coiled onto drums. Every batch is traceable from raw compound to finished part.



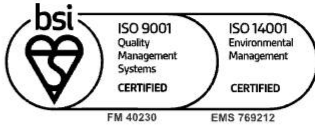
QUALITY & ACCREDITATIONS

Certified. Traceable. British.

Our quality management system is certified to **ISO 9001** and our environmental management system to **ISO 14001**, both audited by BSI. We are also a registered member of **Made in Britain**.

Quality runs from incoming material inspection through to final dimensional checks against **BS 3734 / ISO 3302-1** extrusion tolerances, with **full batch traceability** from raw compound to finished part and **certificates of conformity** supplied with orders on request.

Where your application carries compliance requirements — FDA, EC 1935/2004, WRAS, or fire-performance standards such as EN 45545-2 — tell us what the part actually has to meet and we'll match the compound and provide the certification.



TOLERANCE CLASS	BS 3734 / ISO 3302-1	AVAILABILITY
Class E3	General extrusion tolerance	Manufactured as standard
Class E2	Precision applications	Available on request
Tighter	Beyond E2	Case-by-case after engineering review



ISO 9001 Certified

Audited quality management system (BSI)



ISO 14001 Certified

Audited environmental management system (BSI)



Full Batch Traceability

Raw compound to finished extrusion, every batch



Certificates of Conformity

Documentation supplied with orders on request

GET IN TOUCH

Let's Make Your Next Seal

Send us a drawing, a sample of your old seal, or just the dimensions — our engineering team will identify the profile, recommend the right silicone grade and provide a no-obligation quotation. From one replacement ring to full OEM production.

CALL US

01903 205 532

EMAIL

sales@vikext.co.uk

WEBSITE

www.vikingextrusions.co.uk

VISIT US

Viking Extrusions Ltd
Ivy Arch Road, Worthing
West Sussex BN14 8BX

Get a quote in 3 easy steps

1. Email your drawing, sample or sketch to sales@vikext.co.uk · 2. Our engineers confirm profile, grade & price · 3. Tooling from 5 working days, orders from just 10 metres.



Viking Extrusions Ltd · Silicone Rubber Extrusion Manufacturers
Est. 1991 · Worthing, West Sussex, UK · ISO 9001 & ISO 14001 (BSI) · Made in Britain