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Certifications:

IATF16949 ? ISO9001 ? ISO13485 ? ISO14001 ? ISO50001 ? IIP (Investors in People)

Silicone Profiles, Squares & Round Cords

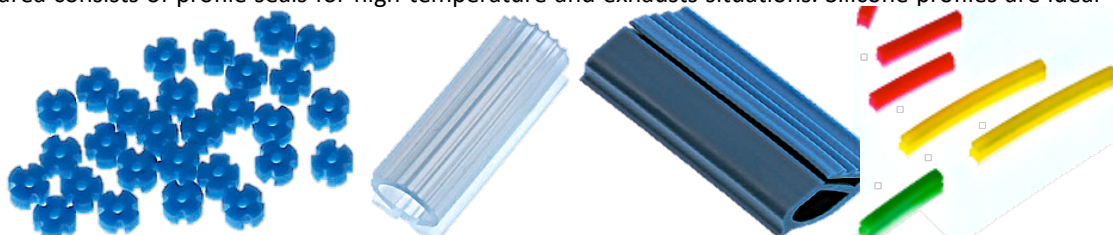


There are applications for silicone profiles in practically all areas of industry, where they are used primarily as seals in degrees of hardness between 20° and 90° Shore A. Together with the classical applications in the electrical, heating and domestic appliance industry together with mechanical engineering, machine and plant construction, there are also a large number of applications in the aerospace industry (ATS100-approved silicone compounds), computer and switchboard manufacturing (EMI shields based on conductive compounds) or in window and facade construction where resistance to weathering, ozone and UV is crucial.

Silicone profiles can have practically any conceivable shape, from simple geometries (squares, round cords) through to complicated cross sections with hollow chambers in varying dimensions. BIW has already produced several thousand profile contours, all of which are available to the customer in the form of ready extrusion dies. Other characteristics in favour of silicone profiles include the fact that they are neutral to plastics and paints, can be given a light-fast colour matching exactly to customer colour samples or practically any of the colours in the RAL colour chart. The post-curing process following on from extrusion ensures that all volatile components are evaporated out so that silicone profiles can also be used in medical technology and in contact with food products without any problems. Given its unique elastomer properties, silicone is being increasingly used in the automotive industry (e.g. headlamp seals, ignition system protection). Our state-of-the-art production machinery is capable of producing profile widths of up to 250 mm. This means it is also possible to manufacturer flat strips for rational, continual punching of punched seals.

Another broad application area consists of profile seals for high-temperature and exhausts situations. Silicone profiles are ideal as:

- Furnace door seals
- Boiler closure seals
- Cooking appliances seals
- Heating appliance seals
- Electrical appliance seals
- Lid seals



By using specially developed material formulations, silicone profiles can be bonded to rings for use as pipe seals for exhaust systems in oil- and gas fired heaters. Clip seals are ideal for rapid mounting and simple, pure-grade waste sorting. These are produced with corresponding profile punching for simple installation. After cutting to the right length, sealing frames of continuous extruded profiles are joined according to the following alternative methods:

- vulcanizing
- bonding
- welding

The best method for each individual case is selected according to the customer's requirements.

Specially optimized compounds are used in highly critical ambient conditions:

- Steam-proof compounds
- Platinum-vulcanized, high tensile strength types
- Electrically conductive silicone
- Temperature-stabilized compounds

One of our particular specialties consists of 2-component co-extrudes made of hard/soft or foam/solid combinations. We have already successfully incorporated sensor or switching elements in silicone profiles, together with a large number of profiles with fibre, fabric or metal reinforcements.



For Technical Service Support and Supplies : Contact Exclusive Asia Distributor and Converter
Everjoy Industrial Supplies Pte. Ltd.

38 Woodlands Industrial Park E1, #04-11 Singapore 757700

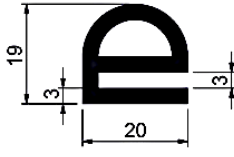
Tel.: +65 6748 3093 Fax: +65 6748 7202 Email: salesmgnt@everjoy.com.sg

All Profiles

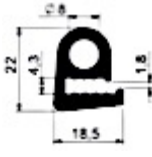
E-Profiles



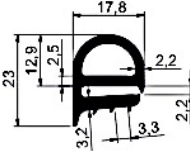
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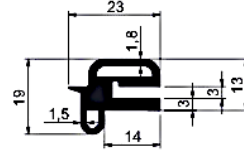
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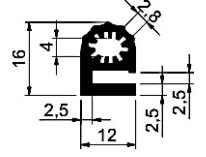
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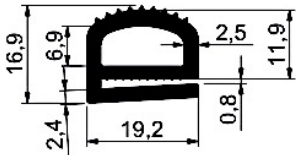
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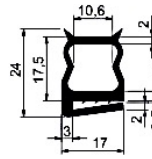
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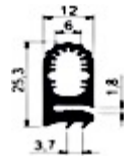
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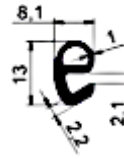
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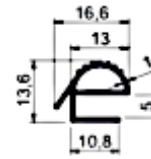
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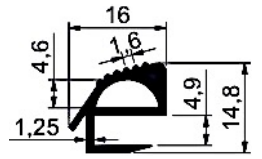
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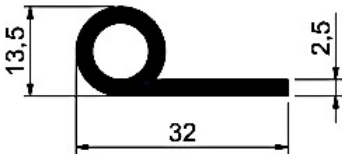


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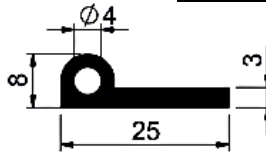


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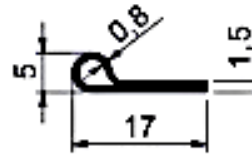
Flag-Profiles



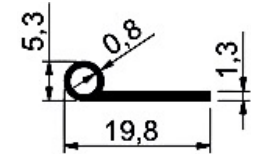
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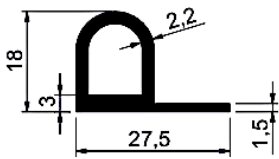
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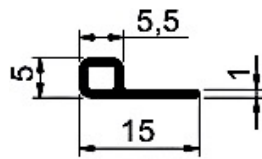
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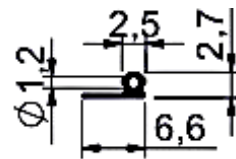
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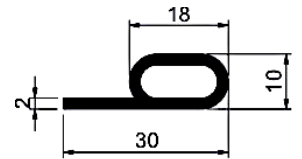
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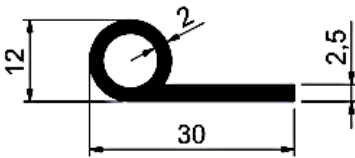
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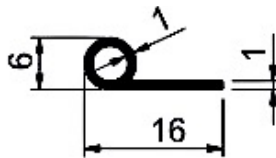
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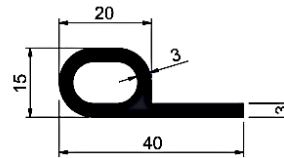
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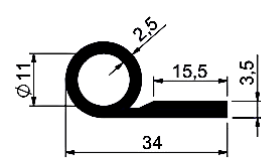
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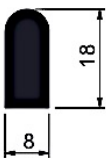


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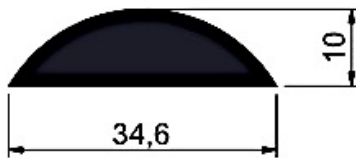


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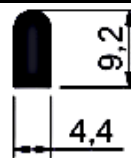
Semi Circle-Profiles



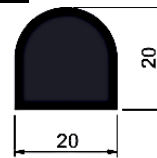
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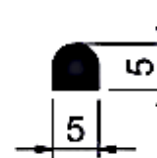
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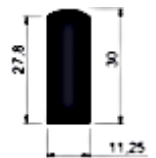
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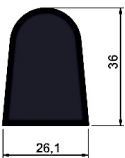
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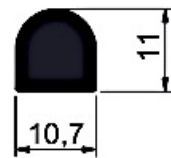
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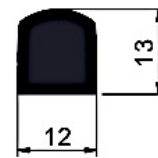
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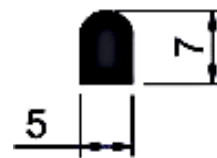
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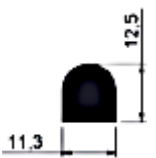
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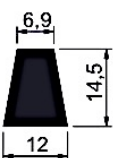


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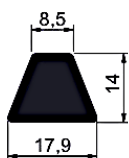


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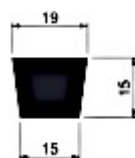
Trapeze-Profiles



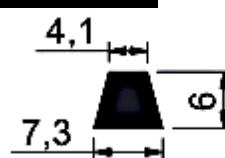
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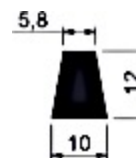
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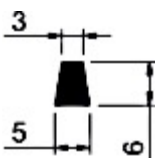
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SIP 17205



SIP 19328



SIP 21967

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