SIMONA® Finished Parts
Extruded profiles and customised solutions
Finished and semi-finished parts from a single source

SIMONA is one of the few suppliers worldwide to produce both semi-finished plastics and finished parts. As a one-stop source of premium-quality products, we are also able to provide customised solutions and modified materials.

SIMONA offers a wide range of finished parts made of UHMW polyethylene, i.e. finished plastics, within the product categories dehoplast® PE-1000 and dehoplast® PE-55. These materials are particularly suited to the manufacture of sliding rails, chain guides, guide rails and other components exposed to abrasion.

What is more, the materials used by our company have a number of significant advantages: dehoplast® PE-1000 and dehoplast® PE-55 are durable, highly resistant to chemicals, physically stable, corrosion resistant and easy to process.
Effective solutions for all demands

**SIMONA finished-parts production**

Drawing on our exceptional range of semi-finished plastics, we are able to produce fully customised finished parts quickly and efficiently. Not only will you benefit from the premium quality of materials used but also from our demonstrable expertise in plastics machining. We supply finished parts for a vast range of applications within the field of mechanical and transport engineering – from standardised to tailor-made products.

**Standard product range**

Based on the proven materials dehoplast® PE-1000 and dehoplast® PE-55, we produce extruded chain guides, steel channels, cable runners, sliding rails, guide rails, compact curves and special profiles. A number of our standardised products are held in stock at our central distribution centres around the globe, allowing you to plan with maximum speed and flexibility.

For a full overview of the standard range of SIMONA finished products, please refer to page 5. Our brochure “SIMONA® Finished Parts for Mechanical and Transport Engineering” includes further details.

**Customised solutions**

Beyond the standardised range, we are committed to providing a highly personalised service for finished-parts production. Using our state-of-the-art profiling machines, we are able to produce fully customised solutions based on your particular specifications. Customised products designed according to your specifications are manufactured with the help of high-performance CNC machining centres – combining flexibility with precision.

In addition to supplying an extensive range of materials from our existing portfolio, we are able to develop materials with specialist properties and thus create tailor-made product solutions in close cooperation with your engineering teams.

INFO

+49 (0) 67 52 14-0
engineering@simona.de
www.simona.de/fertigteile
Our CAD/CAM capabilities
In order to manufacture finished parts according to your specifications, we simply require your design drawings. The best and fastest results are achieved with digital drawings in standard CAD formats (step, iges, dxf, dwg). These specifications are then analysed and processed with the help of modern CAD systems – ready for downstream machining.

Long-standing experience in machining
Displaying outstanding material properties, our finished parts have an exceptional track record when it comes to quality and reliability. Drawing on the benefits of advanced technology, we are able to supply products manufactured to the highest precision standards and delivering the very best in surface quality.

Take advantage of our long-standing expertise in machining and tell us what we can do for you.

Technical facilities
Our production centre for finished parts is equipped with the very latest in high-end machinery:
- CNC milling machines
  - 5-axis milling machines with max. travel of 5750 x 1750 x 400 mm (L x W x H)
  - 3-axis milling machines with max. travel of 6000 x 2000 x 550 mm (L x W x H)
- CNC lathe with turning diameter of up to 1200 mm
- Profiling machine
This is complemented by state-of-the-art finishing.

Please feel free to contact our engineering team for further details.
Standard product range

Chain guides

Material:  dehoplast® PE-55
Colours:  green

RK chain guide for round chain link
T profile for single roller chain

CT profile for roller chain
T profile for twin roller chain

T profile for triple roller chain
U profile for roller chain

CU profile suitable for C steel channel
Step sliding rail for roller chain, suitable for C steel channel

Cage rail for roller chain
Compact cage rail for roller chain, suitable for C steel channel

Closed T profile NTG for roller chain
Flat profile suitable for C steel channel

LIFT-BOX chain tensioner with gas pressure spring available as accessory ex stock.
Other special profiles available on request.

Steel channels

Material:  C steel
Colours:  galvanised/stainless steel

C profile for sliding on plastic chain guides, steel channel galvanised
C profile C 14 for sliding on plastic chain guides, stainless steel channel
## Standard product range

### Cable runners

<table>
<thead>
<tr>
<th>Material:</th>
<th>dehoplast® PE-55</th>
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<tbody>
<tr>
<td>Colours:</td>
<td>black</td>
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- KR runner for V-belts
- RR runner for round belts
- Cable runner for aluminium runner, dehoplast® PE-1000, natural

<table>
<thead>
<tr>
<th>Material:</th>
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</thead>
<tbody>
<tr>
<td>Colours:</td>
<td>natural, green, black</td>
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- Flat belt guide, designed to your specifications

### Sliding rails for flat-top chains

<table>
<thead>
<tr>
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<tbody>
<tr>
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</table>

- Clamping flat profile
- Clamping Z profile
- T profile
- U profile
- Sliding profile
- L profile
- Z profile
- Double Z profile
- Centre-raised profile
- Blocks
Standard product range

Guide rails (suitable for flat, C and M steel channel)

| Material: dehoplast® PE-1000, dehoplast® PE-55 |
| Colours: natural, green, black |

| Guide rail suitable for C steel channel 44 C 02, dehoplast® PE-1000 |
| Guide rail suitable for C steel channel 44 C 02, dehoplast® PE-1000 |
|  |
| Mushroom profile, suitable for C steel channel 44 C 02, dehoplast® PE-1000 |
| Mushroom profile, suitable for C steel channel 44 C 02, dehoplast® PE-1000 |
|  |
| Flat guide, suitable for U steel profile 44 U 01, dehoplast® PE-1000 |
| Round guide with U steel channel suitable for U steel channel 44 U 01, dehoplast® PE-1000 |
|  |
| Dog bone profile, dehoplast® PE-1000 |
| Bottle guide, suitable for flat steel profile 55 x 3 mm, dehoplast® PE-1000 |
|  |
| Mounting-bottle guide, suitable for flat steel profile 40 x 6 mm, dehoplast® PE-1000 |
| Twin-bottle guide, dehoplast® PE-1000 |
|  |
| Wear profile, suitable for flat steel profile 17 x 5.5 mm, dehoplast® PE-1000 |
| Snap-on profile, dehoplast® PE-1000 |
|  |
| Multiple guide rail, dehoplast® PE-55, black |

Special profiles

| Material: dehoplast® PE-1000, dehoplast® PE-55 |
| Colours: natural, green, black |

available on request

Compact curves

| Material: dehoplast® PE-1000 |
| Colours: black |

TAB guide KT
Bevel guide KS
SIMONA is able to offer you the most extensive range of semi-finished thermoplastics worldwide. Our comprehensive portfolio of products encompasses pipes, fittings, valves, sheets, rods, profiles, welding rods and finished parts for a diverse range of applications.

Our products and services are designed to deliver the very best quality imaginable. SIMONA AG’s Quality and Environmental Management system is certified in accordance with DIN EN ISO 9001 : 2008 and DIN EN ISO 14001 : 2005.