

SIMONA



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

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Expertise breeds success

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

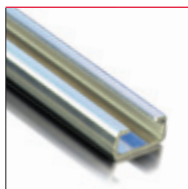


Flat profile suitable for C steel channel

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



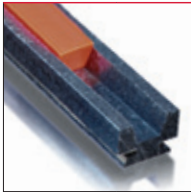
C profile for sliding on plastic chain guides,
steel channel galvanised



C profile C 14 for sliding on plastic chain guides,
stainless steel channel

Standard product range

Cable runners



Material: dehoplast® PE-55

Colours: black



KR runner for V-belts



KRC runner for V-belt,
suitable for C steel channel



RR runner for round belts



RRC runner for round belt,
suitable for C steel channel

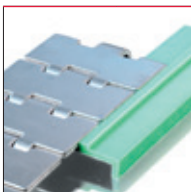


Cable runner for aluminium runner,
dehoplast® PE-1000, natural



Flat belt guide,
designed to your specifications

Sliding rails for flat-top chains



Material: dehoplast® PE-1000

Colours: natural, green, black



Clamping flat profile



Clamping Z profile



T profile



U profile



Sliding profile



L profile



Z profile



Double Z profile



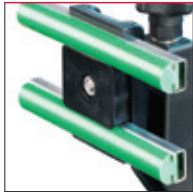
Centre-raised profile



Blocks














Standard product range

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

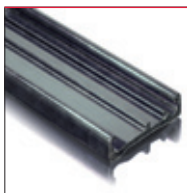


Material: dehoplast® PE-1000, dehoplast® PE-55

Colours: natural, green, black

	C profile, suitable for flat steel profile 50 x 6 mm, dehoplast® PE-1000		Guide rail suitable for C steel channel 44 C 02, dehoplast® PE-1000
	Nose profile, suitable for C steel channel 44 C 02, dehoplast® PE-1000		Mushroom profile, suitable for C steel channel 44 C 07, 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

Put your trust in quality and expertise

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.



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