

The SIMONA logo is displayed in white, bold, sans-serif capital letters within a red rectangular box in the top right corner of the image.

SIMONA



SIMONA[®] Large Injection-Moulded Fittings

Full pressure load capacity, high efficiency

GLOBAL THERMOPLASTIC SOLUTIONS

SIMONA® Injection-Moulded Parts – new fittings from SIMONA

SIMONA is acknowledged as one of the leading manufacturers and development partners for thermoplastic products. Boasting a wide range of specialist tools and years of experience in the field of injection moulding, SIMONA combines a high level of technical know-how with outstanding process expertise. What is more, we are committed to extending our operational capabilities as we move forward and expanding the division that specialises in large-size injection-moulded fittings – to your benefit. Drawing on these credentials, we are also able to supply large-dimension pipes and fittings that are fully pressure-resistant – meeting your project requirements for high-flow solutions.

Stub flanges

Our stub flanges with long and short spigots are now available as injection-moulded items in the following configurations:

NEW

- d 800/900 mm
- SDR 33/26/17
- Short spigots
- PE 100 and PP
- d 450 – 630 mm
- SDR 17/11
- Long spigots
- PE 100 and PP



On request:

- Machined stub flanges
- Also with chamfer

Tees

The use of heavy machinery is a thing of the past thanks to our new tees: even large-size fittings come with long spigots – for efficient application of electrofusion sockets.



NEW

- Up to d 630 mm
- SDR 17/11
- Long spigots
- PE 100 and PP

On request:

- Welded tees up to d 1,000 mm

Bends

Our economical bends without any reduction factor are a good choice because of their compact design ($r = 1d$) – despite large diameters.



NEW

- Up to d 500 mm
- SDR 17/11
- Short and long spigots
- PE 100 and PP

First-class quality

Our product range of large-size injection-moulded fittings is available in various pressure classes in sizes up to d 900 mm. We manufacture both PE 100 and PP fittings with short and long spigots. Regular inspections and long-term tests provide us with important data required for end-to-end quality assurance. This provides the basis for consistently high quality standards. As a result, we can ensure that you have an excellent range of products at your disposal.

System meets safety

As a system provider, SIMONA offers other piping components and fittings in various configurations from a single source:

- Seamless bends
- Machined fittings
- Welded fittings

Operating with our own production facilities and in-house plastics workshops, we are also able to supply specially customized products.

SIMONA® Bends, injection-moulded d 450/500 mm

The new bends in sizes d 450/500 mm with extended spigots can be welded with electrofusion sockets – reliably and safely. In addition, on account of their compact design ($r = 1d$), the injection-moulded bends take up little space when they are installed. Very good hydraulic properties ensure a high level of efficiency (e.g. acceleration of flow velocity) compared to similar fittings such as elbows. Large-size injection-moulded bends are ideal for applications in the fields of industry, plant construction, water treatment and mining.



NEW

SIMONA® Bends, injection-moulded – d 450/500 mm

Material
<ul style="list-style-type: none"> PE 100 PP-H AlphaPlus®/PP-R
Dimensions
Individual components in accordance with
<ul style="list-style-type: none"> DIN EN ISO 15494 DIN EN 12201-3
Colour
<ul style="list-style-type: none"> PE 100: black PP-H AlphaPlus®/PP-R: grey
Joining method
<ul style="list-style-type: none"> Heated-tool butt welding Electrofusion welding

Short spigots

d mm	SDR 11	Art.-No.	SDR 17/17.6	Art.-No.
450	PE 100	010026783	PE 100	010026784
450	PP	010026776	PP	010026775
500	PE 100	010026785	PE 100	010026786
500	PP	010026778	PP	010026777

NEW

Long spigots

d mm	SDR 11	Art.-No.	SDR 17/17.6	Art.-No.
450	PE 100	010026787	PE 100	010026788
450	PP	010026780	PP	010026779
500	PE 100	010026789	PE 100	010026790
500	PP	010026782	PP	010026781



i SIMONA® Seamless Bends

Please also take a look at our seamless bends (up to d 1,000 mm) for use in supply, disposal and industry.



Overview of product range

SIMONA® Bends – injection-moulded and seamless

SIMONA® PE 100 and PP Bends, injection-moulded

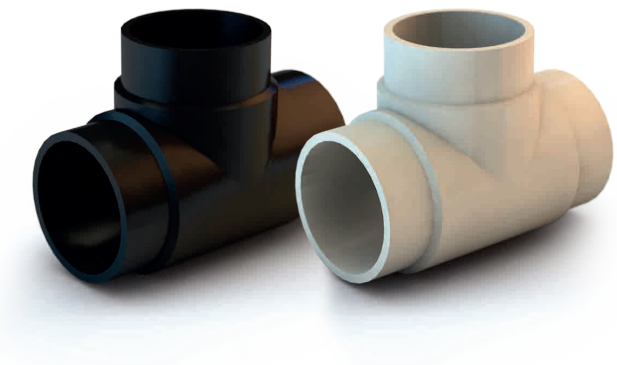
d mm	SDR
50 – 500	17
20 – 500	11

SIMONA® PE 100 and PE 100 RC Bends, seamless

d mm	SDR
32 – 1,000	17/11/9/7.4

SIMONA® Tees, injection-moulded d 560/630 mm

Our new injection-moulded tees in d 560 mm and d 630 mm with long spigots are designed for welding with an electrofusion socket – even in the large diameters. Whether they are destined for water management, plant construction, marine applications, quarrying, infrastructure or cooling systems, injection-moulded SIMONA® Tees are suitable for almost any type of use. As they come without a reduction factor, they are fully pressure-resistant. Moreover, they have a higher level of efficiency than segment welded designs.



NEW

SIMONA® Tees, injection-moulded – d 560/630 mm

Material
<ul style="list-style-type: none"> PE 100 PP-H AlphaPlus®/PP-R
Dimensions
Individual components in accordance with <ul style="list-style-type: none"> DIN EN ISO 15494 DIN EN 12201-3
Colour
<ul style="list-style-type: none"> PE 100: black PP-H AlphaPlus®/PP-R: grey
Joining method
<ul style="list-style-type: none"> Heated-tool butt welding Electrofusion welding

Long spigots

d mm	SDR 11	Art.-No.	SDR 17/17.6	Art.-No.
560	PE 100	010030447	PE 100	010030445
560	PP	010030451	PP	010030449
630	PE 100	010030448	PE 100	010030446
630	PP	010030452	PP	010030450

Overview of product range

SIMONA® Tees – injection-moulded and welded

SIMONA® PE 100 and PP Tees, injection-moulded

d mm	SDR
50 – 630	17
20 – 630	11

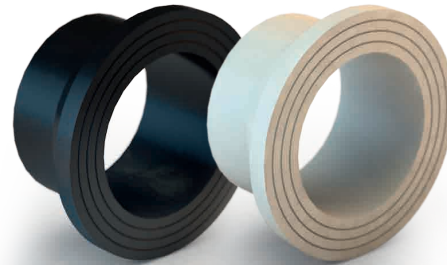
SIMONA® PE 100 and PP Tees, welded

d mm	SDR
90 – 1,000	33/17/11



SIMONA® Stub Flanges, injection-moulded d 450 – 630 mm and 800/900 mm

Our new injection-moulded stub flanges in d 800/900 mm are available with short spigots – a consistent extension to our product range. They are ideal for applications in plant construction, quarrying and supply. In sizes d 450 – 630 mm the stub flanges are also available with long spigots, which makes it possible to perform welding with electrofusion sockets. The long stub flanges are used primarily in the water treatment sector as well as in mining, quarrying and infrastructure applications.



NEW

SIMONA® Stub Flanges – d 800/900 mm

Short spigots

d mm	SDR 17	Art.-No.	SDR 26	Art.-No.	SDR 33	Art.-No.
800	PE 100	010030032	PE 100	010030034	PE 100	010030036
900	PE 100	010030033	PE 100	010030035	PE 100	010030037

PP stub flanges on request

NEW

SIMONA® Stub Flanges – d 450 – 630 mm

Long spigots

d mm	SDR 11	Art.-No.	SDR 17/17.6	Art.-No.
450	PE 100	010030433	PE 100	010030429
450	PP	010030441	PP	010030437
500	PE 100	010030434	PE 100	010030430
500	PP	010030442	PP	010030438
560	PE 100	010030435	PE 100	010030431
560	PP	010030443	PP	010030439
630	PE 100	010030436	PE 100	010030432
630	PP	010030444	PP	010030440

Material
<ul style="list-style-type: none"> PE 100 PP-H AlphaPlus®/PP-R
Dimensions
Individual components in accordance with
<ul style="list-style-type: none"> DIN EN ISO 15494 DIN EN 12201-3
Colour
<ul style="list-style-type: none"> PE 100: black PP-H AlphaPlus®: grey
Joining method
<ul style="list-style-type: none"> Heated-tool butt welding Electrofusion welding



i System meets safety

At SIMONA, you get everything from a single source! Ask us about our flange solutions to match your stub flange. We will be only too pleased to assist you.

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pipingsystems@simona.de



Overview of product range

SIMONA® Stub Flanges – injection-moulded and machined

SIMONA® PE 100 and PP Stub Flanges, injection-moulded

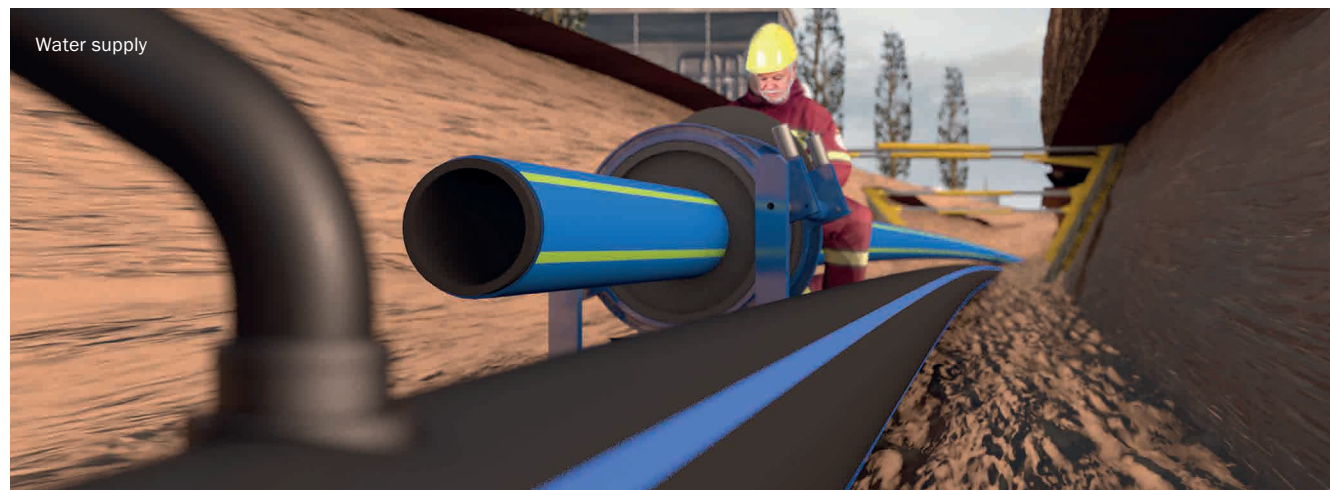
d mm	SDR
50 – 630	33/26/17
20 – 630	11

SIMONA® PE 100 und PP Stub Flanges, machined

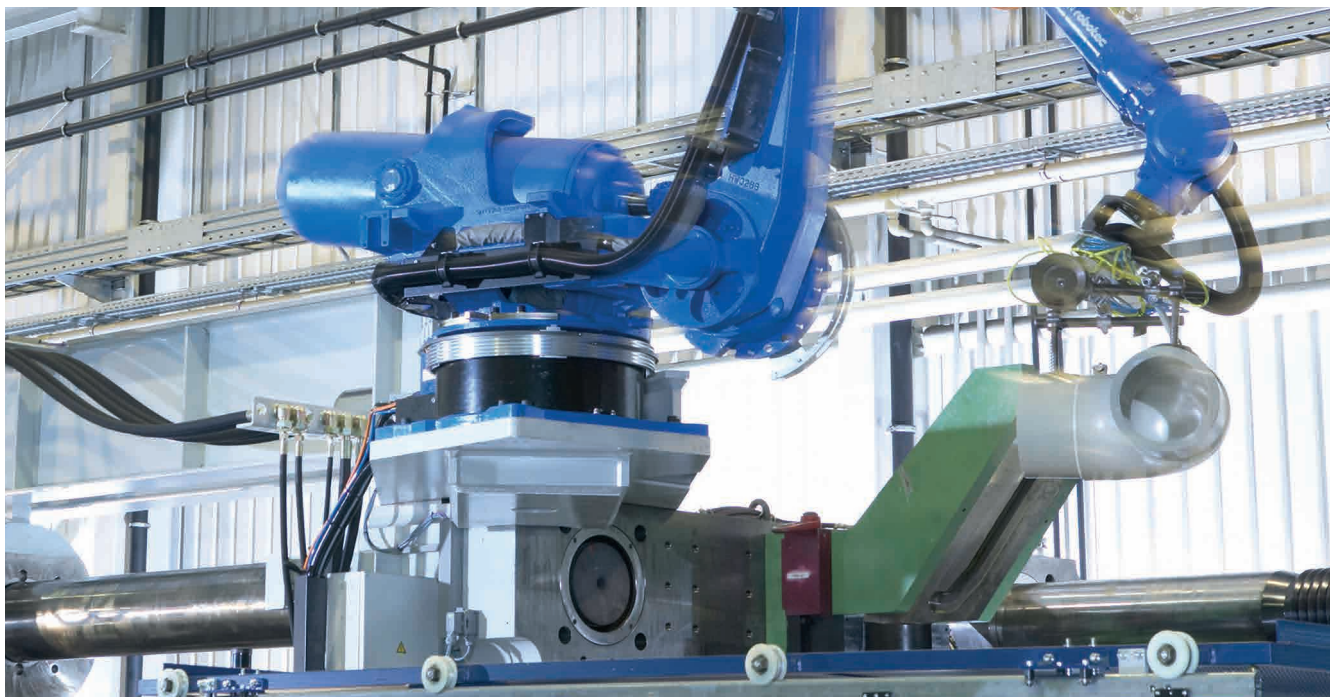
d mm	SDR
560 – 1,200	33/26/17

SIMONA® Injection-Moulded Fittings – a system geared to the future

About two-thirds of the world's population will be living in towns and cities by the year 2025. Around the globe, a supply of clean drinking water is one of the major challenges to society. Our pipes and fittings can make a significant contribution when it comes to tackling this problem. Water management is one of the key markets of the future. Drawing on its abilities as an innovator and applying its considerable know-how of this industry, SIMONA is addressing the challenges faced by this market.



Consulting and information service



When it comes to the application of our products we take a very thorough approach indeed – and we are pleased to pass on our knowledge. SIMONA offers global consulting services, provided by staff at our Technical Sales Support unit, Customer Service and within our field sales organisation. This portfolio covers everything from project planning and material selection to on-site advice about pre-engineering in the field.

Customised pipes and fittings

Alongside our standard range, we offer a premium-class package of customised products:

- Pipes in various lengths for various joining methods
- Special pipe sizes adapted to the standard nominal diameters of other materials
- Pipes with non-standard properties such as electrical conductivity or low flammability
- Customised fittings as system components for your applications

In addition to product and material selection, strength analyses, information about pipelaying methods, special sizes and customised product development, we will also support you with the calculation of verifiable structural analyses for buried pipes and drainage pipes in landfills and shafts. Please feel free to contact us for further details.

i Technical Sales Support:

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i Customer Service:

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SIMONA – expertise and innovation worldwide

Our semi-finished products, piping systems and finished parts are designed to help meet key challenges of the future. A team of 1,300 SIMONA employees ensures that each application is matched up with the perfect material, while also being fully focused on developing superior solutions and providing the best possible technical support imaginable.

Our new Technology Centre consolidates the fields of Research and Development at a single location. It has enabled us to step up our efforts in the field of customised R&D based on new materials and material combinations, the aim being to further strengthen our time-to-market capabilities. Our overriding goal: to meet your future requirements today.



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