

# REDEFINE POSSIBILITIES

We support industries worldwide with with precise machined PE fittings for applications across industries.





Machined PE fittings

# WE DELIVER PRECISE SOLUTIONS MADE OF PE

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+ Spigot fittings up to d 2500 mm

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+ Electrofusion fittings up to d 1400 mm

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+ Semi-finished product extrusion  
up to d 2575 mm

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+ Precision-tailored flange connections  
(e.g. for valves)

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+ Individually positionable outlets

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+ Full-featured solution development

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+ Various materials  
(e.g. PE100, PE100-RC, PE-RT, PP)

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+ Various SDR classes  
(e.g. SDR 7,4 / 9 / 11 / 17 / 26 / 33)

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Enhancing Possibilities and Versatility

# MACHINED PE FITTINGS

## Precision Engineering

Machined fittings offer unparalleled precision, ensuring tight tolerances and seamless integration within pipeline systems, resulting in superior performance and reliability.

## Consistent Quality

Through advanced machining techniques, machined PE fittings maintain consistent quality and dimensional accuracy, minimizing the risk of defects and ensuring long-term operational reliability.

## Versatile Adaptability

Machined fittings excel in accommodating various pipe diameters, materials, and configurations, providing unmatched flexibility to meet the diverse needs of different projects and applications.

## Tailored Solutions

With their precision engineering and adaptability, machined PE fittings provide customized solutions that address specific project requirements, delivering optimal performance and efficiency without compromise.

Piping innovation for every sector

# STAR. SOLUTIONS YOU TRUST.

-  Supply lines
-  Industry
-  Drinking Water
-  Gas
-  Oil
-  Waste Water
-  Cable Protection
-  Desalination
-  Fire Protection
-  Mining



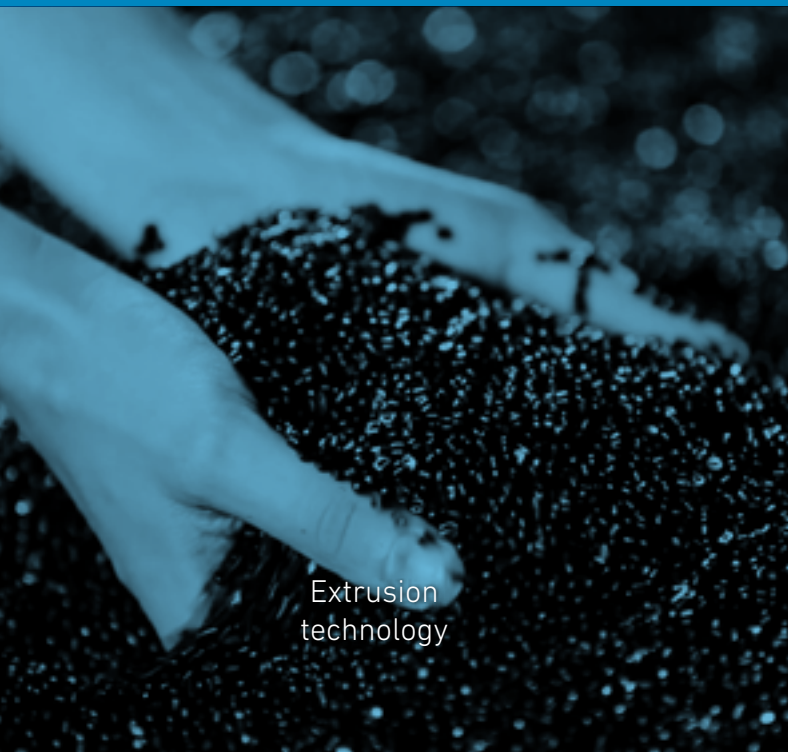
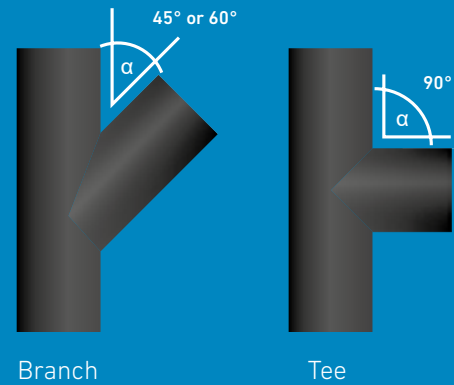
... and many more!

EXTRUSION OF SEMI FINISHED PRODUCTS

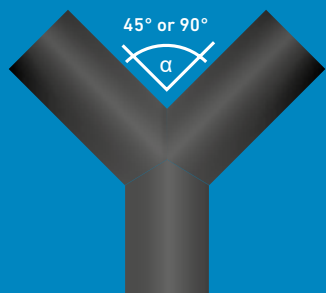
# QUALITY RIGHT FROM THE START

We understand that each project is unique and comes with specific requirements.

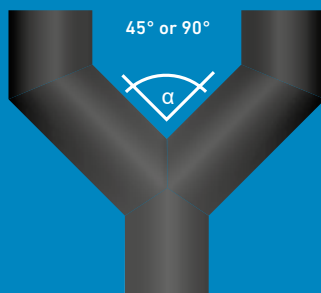
Therefore, we prioritize your distinctive project specifications in our development work. This allows us to engineer tailored solutions for your individual project that can be seamlessly integrated into existing systems.



We implement for you:



Y-Piece



H-Piece

⊕  
Material transitions and  
dimensional shifts

⊕  
Valve and flange  
connections

⊕  
Complex components  
from batch size ,1'

⊕  
Plug-and-Play  
installation

⊕  
Flexibility in  
wall thickness

⊕  
Different  
materials



Tailored Semi-Finished Products

# FOR YOUR MACHINING NEEDS



Our machined PE Fittings undergo a precise manufacturing process, starting with the extrusion of solid and hollow bars from proven polyethylene (PE) and polypropylene (PP) materials.

These raw materials are carefully tailored to the dimensions of the final product to ensure precision from the outset. With numerous combinations of inner diameter (di) and outer diameter (d) STAR hollow bars and solid rods offer you extraordinary flexibility.

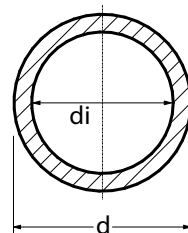
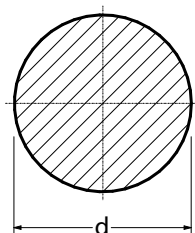
Subsequently, the solid and hollow bars are accurately cut to size, creating optimal starting materials for the machining process.



Product  
database



Solid rod  
d 120 - 1360 mm



Hollow bar  
d 120 - 2575 mm

Customize Your Order

# SEMI-FINISHED PRODUCTS

You can purchase solid rods and hollow bars for your own use. Please provide us with your product's final dimensions so we supply the ideal semi-finished products.

STAR hollow bars and solid rods are suitable for machining on lathes and CNC milling machines, enabling smooth processes such as sawing, cutting, drilling, and welding.

We primarily extrude hollow and solid bars from polyethylene (PE) and polypropylene (PP), both safe materials for drinking water and food industry applications.

For larger orders, we can extrude other materials upon request. Contact us for more details.



standard length  
2.000 mm



pre-cut parts  
on request



fabrication tolerances  
according agreement



other materials  
(e.g. PE-RT) on request



Precision engineered machined fittings

# TAILORED TO YOUR SPECIFICATIONS



Through our machining process, you receive customized machined fittings up to d 2500 mm that precisely match your project requirements.

Thanks to this advanced technology, we can offer you a wide range of configurations and connection options with high precision and flexibility.

You benefit from maximum flexibility in construction. Our precise machined fittings provide an exact fit and top quality. In addition, complex designs, engineering of completely new machined parts, individual dimensions and fine details are achievable. This means you'll receive components with flexibly adjustable connection dimensions that can be efficiently installed into your pipeline systems.



Various dimensions and custom sizes



Flexible drilling patterns



Quality and precision



Complex components from batch size ,1'



Products from special materials



Quality and precision



Tailored Assembly Solutions for Seamless Integration

# EFFICIENT PREFABRICATION

In our fabrication process, we have the capability to assemble various components for you, providing you with pre-assembled units straight from the factory. We also specialize in creating custom solutions tailored specifically to your project requirements.

Whether you're in need of individual components, large quantities, or an efficient prefabrication solution (assembly units), we have the expertise and technology to meet your needs.

Feel free to reach out to us to learn more about our custom components.



Plug-and-Play  
installation



Material transitions and  
dimensional shifts



Flexibility in  
wall thickness



Economical  
benefits



# Machined fittings

# DELIVERY PROGRAMM

	Dimensions	SDR-classes								Material			
		SDR33	SDR26	SDR21	SDR17	SDR13,6	SDR11	SDR9	SDR7,4	other on request	PE100	PE100-RC	other on request
Electrofusion fittings	d 20 - 1400 mm	●	●	●	●	●	●	●	●	●	●	●	●
Pressure class conform fittings		●	●	●	●	●	●	●	●	●	●	●	●
Endcaps	d 20 - 2250 mm	●	●	●	●	●	●	●	●	●	●	●	●
Reducers	d 90 - 1200 mm	●	●	●	●	●	●	●	●	●	●	●	●
Tees, Y-pieces, Branches	d 25 - 2500 mm	●	●	●	●	●	●	●	●	●	●	●	●
Flange connections	d 20 - 2250 mm	●	●	●	●	●	●	●	●	●	●	●	●
Hydrant connections	d 20 - 2000 mm	●	●	●	●	●	●	●	●	●	●	●	●
Transition fittings, fixing points & screw connections	d 90 - 225 mm				●	●			●	●	●	●	●
Pull heads	d 20 - 1000 mm				●	●			●	●	●	●	●
	d 40 - 710 mm				●	●			●	●	●	●	●

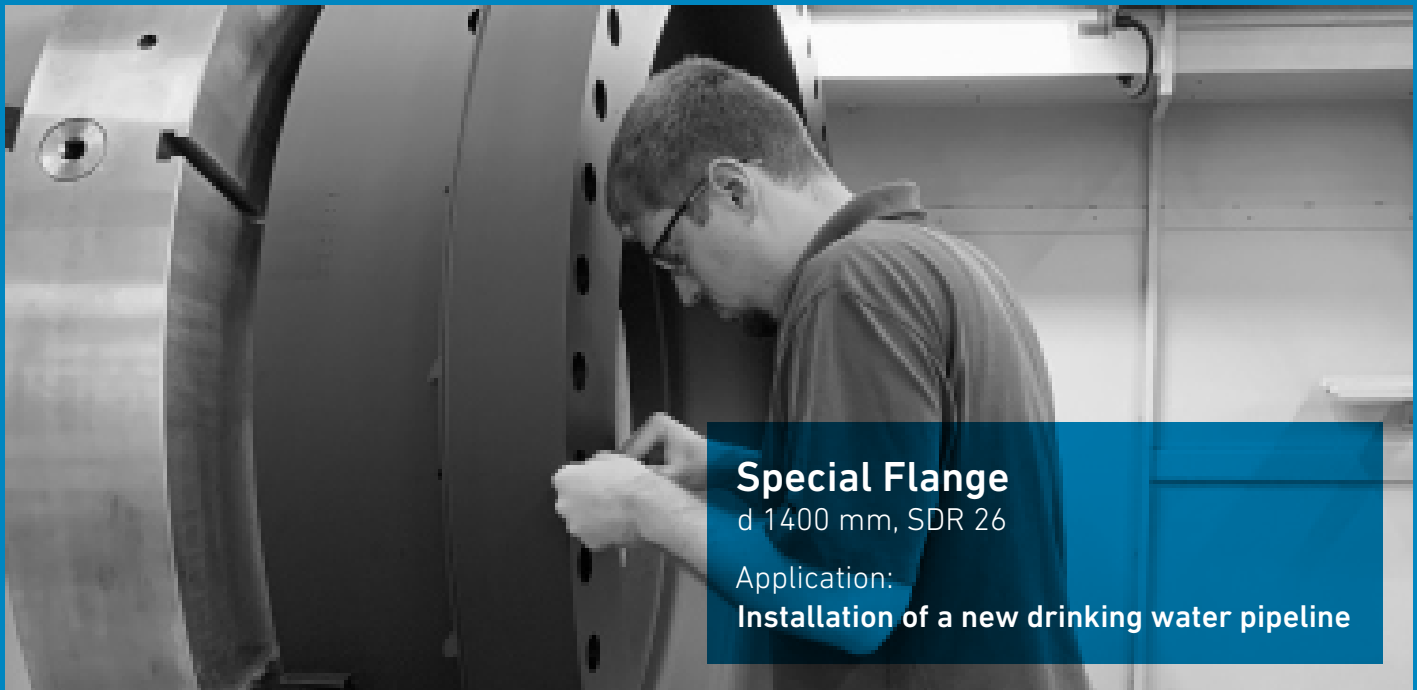


Product database



Customized solutions on request



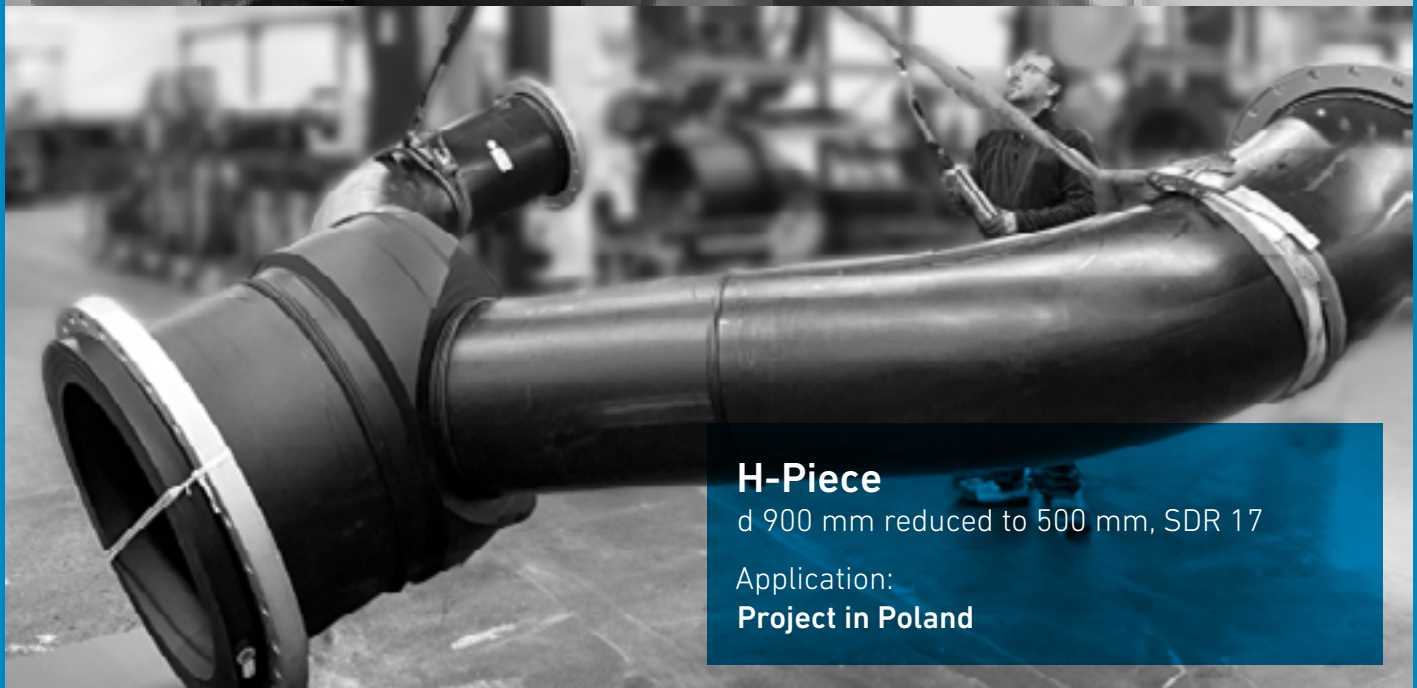


### **Special Flange**

d 1400 mm, SDR 26

Application:

**Installation of a new drinking water pipeline**



### **H-Piece**

d 900 mm reduced to 500 mm, SDR 17

Application:

**Project in Poland**



### **Y-Piece**

d 560 mm reduced to 450 mm, SDR 17

Application:

**Renovation of a drinking water pipeline**

Solutions you trust

# THAT'S WHY STAR PIPING SYSTEMS

+ Personal advisory service

+ In-house engineering

+ Provision of planning data

+ Custom components and prefabrication

+ Comprehensive product portfolio

+ Dimensions up to d 2500 mm

+ Product expertise and technology



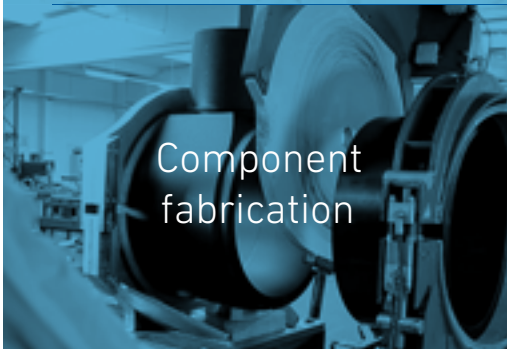
Material  
testing



Extrusion  
technology



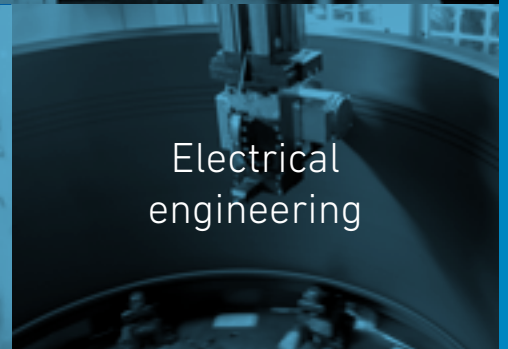
Cutting  
department



Component  
fabrication



Machining  
technology



Electrical  
engineering

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