

# Hollow bars and solid rods

[www.star.de.com](http://www.star.de.com)

**XXL**  
up to d 2575 mm



# Hollow bars and solid rods

## Made of polyethylen (PE) and polypropylen (PP)

STAR hollow bars and solid rods are ideal semi-finished products for a machining process on lathes and CNC milling machines. They enable a smooth processing such as sawing, cutting, drilling and welding.

STAR hollow bars and solid rods are extruded from proven materials polyethylene (PE) and polypropylene (PP). Due to their physiological harmlessness, both materials are ideally suited for applications in the field of drinking water and food industry. For larger quantities we will be pleased to extrude for your needs other materials as well. Please do not hesitate to contact us.

## Range of variants

With numerous combinations of inner diameter ( $d_i$ ) and outer diameter ( $d$ ) STAR hollow bars and solid rods offer you extraordinary flexibility. Benefit from huge time savings and price advantages, by our manufacturing ability to produce almost any bar with the optimum dimensions for you.

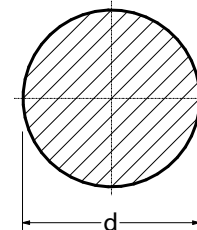


got to dimensions

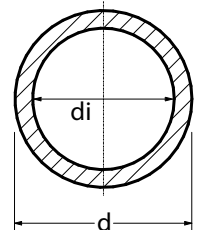
## Delivery program:

We are happy to supply you with solid rods in the dimensions from 120 up to 1360 millimeters and hollow bars from 120 up to 2575 millimeters in outer diameter. Please feel free to take a look at the overview of all dimensions on our homepage.

Solid rod  $d$  120 - 1360 mm



Hollow bar  $d$  120 - 2575 mm



We will also be glad to produce customised products according to your specifications or we can supply you with STAR fittings from our standard product range. An overview can be found in our product database:

[www.star.de.com/products](http://www.star.de.com/products)



Product data base

# STAR Hollow bars and solid rods

Optimal quality for further processing



## Hollow bars and solid rods from PE100

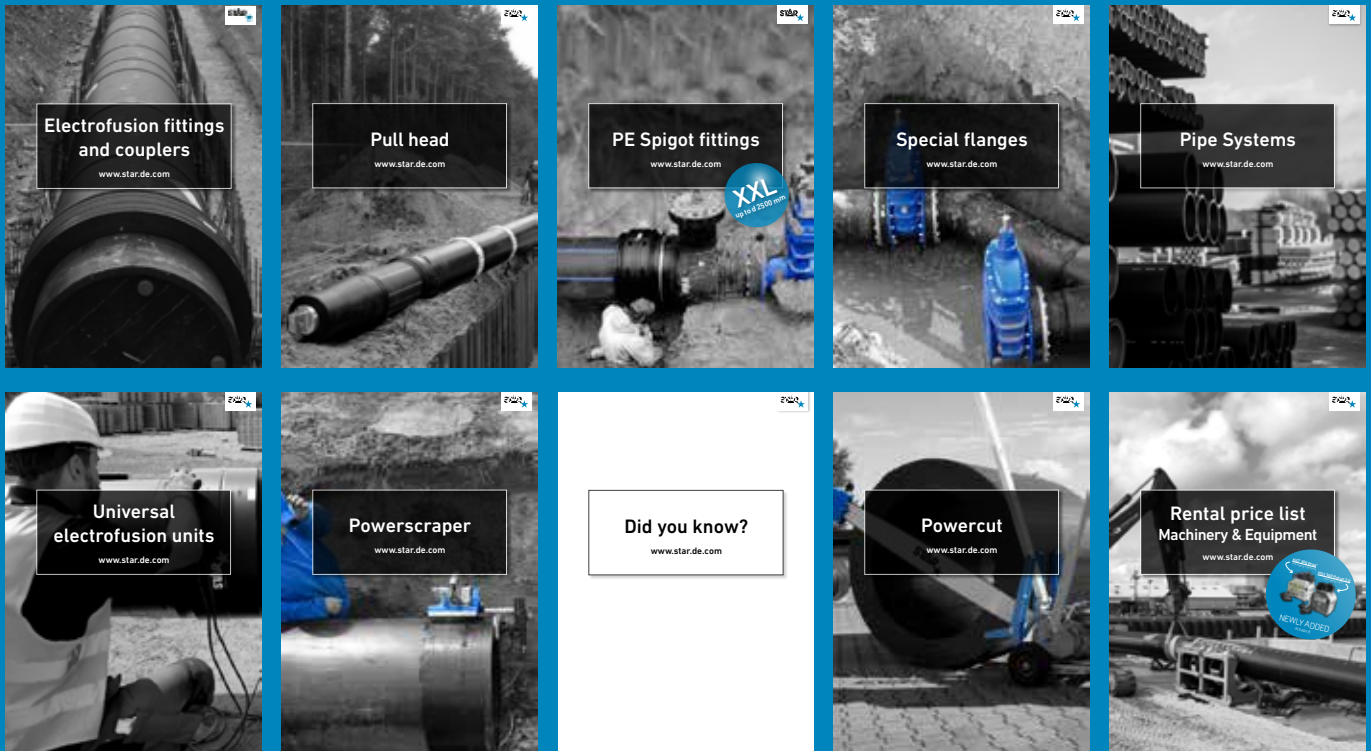
are insensitive to most acids, alkalis and many organic solvents due to their good chemical resistance. They provide ideal conditions for continuous outdoor operation as they are corrosion-resistant and UV- stabilised by the contained carbon black.



## Hollow bars and solid rods from PP-R

(Polypropylene Random Copolymer) are having a high impact strength even at low temperatures, as well as a high dimensional stability under heat influence. In addition to high chemical resistance PP-R is an important material in the plastic piping industry in particular due to the good thermal stability.

Material properties	PE100, black	PP-R, grey
Density	959 kg/m <sup>3</sup> DIN EN ISO 1183-1	905 kg/m <sup>3</sup> DIN EN ISO 1183-1
MFR (melt mass-flow rate)	0,25 g/10 min DIN EN ISO 1133-1	0,25 g/10 min DIN EN ISO 1133-1
Tensile modulus of elasticity	1100 MPa DIN EN ISO 527-2	900 MPa DIN EN ISO 527-2
Shore hardness	60	60
Raw material approvals	Deutsches Institut für Bautechnik (DIBt) suitable for drinking water according to DVGW worksheet W270  in accordance with European food contact regulations (EU) Nr. 10/2011  further on request	Deutsches Institut für Bautechnik (DIBt) in accordance with European food contact regulations (EU) Nr. 10/2011
Advantages	<ul style="list-style-type: none"> <li>• high chemical resistance</li> <li>• good electrical insulator</li> <li>• ideal weldability and process properties</li> <li>• high abrasion strength and wear-resistant</li> <li>• corrosion and UV-resistant</li> <li>• light-weight</li> <li>• high creep strength</li> <li>• physiologically harmless</li> </ul>	<ul style="list-style-type: none"> <li>• high chemical resistance</li> <li>• good electrical insulator</li> <li>• ideal weldability and process properties</li> <li>• high dimensional stability</li> <li>• suitable for food contact</li> <li>• light-weight</li> </ul>



We provide you with high-quality and efficient solutions for applications in supply and disposal.

In addition to our high-quality standard and special fittings, seamless bends, electrofusion fittings, pipes and hollow bars and solid rods, we also offer suitable welding equipment for joining and welding technique.

Our extensive product range gives you the possibility to obtain every-thing from a single source and for almost every building project.

See for yourself.

## STAR Piping Systems GmbH

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