



SIMONA

SIMONA[®] Injection-Moulded Bends d 450/500 mm

SIMONA AG

GLOBAL THERMOPLASTIC SOLUTIONS

Trend

Growing demand worldwide for large OD!

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Key areas of application for injection-moulded bends in d 450/500 mm include:

- CPI/Industry
- Plant engineering
- Water treatment
- Mining

The great benefit of these SIMONA® bends:

- ⊕ Manufactured also with **long spigots!**
- ⊕ This makes injection-moulded bends in these dimensions also suitable for joining by means of **electrofusion sockets!**

Special properties

What makes the difference?



- + Injection-moulded bends **without reduction factor** are a particularly cost-effective solution for use in confined spaces.
- + Despite their large diameters, they are **compact in their overall design ($r = 1d$)**.
- + Their excellent hydraulic properties make them **extremely efficient** (e.g. accelerated flow rates) compared to similar fittings such as elbows.

At a glance SIMONA® Injection-Moulded Bends

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Material	PE 100 and PP-H AlphaPlus®/PP-R
Dimensions	32 – 500 mm
Angle	90°
Spigot	Elongated and short spigots
SDR	17.6 / 17 / 11
Radius	$r = 1 d$
Nominal Pressure	PN10 / PN16
Standards	DIN EN 12201-3 DIN EN 1555-3 EN ISO 15494

- + Long spigots = **universally weldable, also with electrofusion socket**
- + Extensive stock range = **excellent availability**
- + Compact design = **minimal space requirements**
- + Excellent hydraulic properties = **very good flow rates**

>>> Product range



SIMONA

Thank you!

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