

Tender text

## PE100 fittings for hydrants (tee, duckfoot bend, hydrant end piece)

### General preliminary remark

The fittings to be offered must be manufactured from material in compliance with the PE100+ Association and according to DIN EN 12201 with respect to dimensions, tolerances and quality requirements. Proof must be provided that they were manufactured on the basis of a quality assurance system in accordance with DIN EN ISO 9001. For all fittings a certificate in accordance with DIN EN 10204 must be submitted by the manufacturer. The body of the fitting including the foot must be manufactured in the injection moulding process or alternatively, in the case of more complex structures, from a piece of homogeneous semi-finished material so as to ensure the required reinforcement and therefore high stability of the fitting. Semi-finished materials manufactured from wound rods or the subsequent application of other forms of reinforcing are not permitted.

The spigots must have a long shape to enable both HE butt welding and HW welding.

The flange connections must be implemented with the same nominal diameter according to DN 80 or DN 100 in compliance with DIN EN 1092-1 and have an outwardly reinforced weld seam area designed for the hydrant load; DN 80 -> 110 mm outer diameter as well as DN 100 -> 135 mm outer diameter.

The backing flange is manufactured from corrosion-free, fibre-reinforced plastic, supports the PE stub from outside and provides a plate spring function that maintains the pretension after the bolts have been tightened.

Optionally available versions: Flange with O-ring seal, socket for spigot or for hydrant at the outlet

### Standards/guidelines

DIN EN 12201, DIN EN 1092-1, DVS 2207, DVS 2210, DIN EN 10204, DIN EN ISO 9001, DIN EN ISO 50001, DVGW W 400-2, DVGW GW 335

### Permits/certificates

DVGW: DV-8606BT0423 and DV-8611BT0424

Acceptance test certificate 3.1 according to DIN EN ISO 10204 for the semi-finished material from the processed raw material with indication of MFR and OIT; only PE100 material in compliance with PE100+ Association

Manufacturer certified according to ISO 9001:2015 and ISO 50001:2011

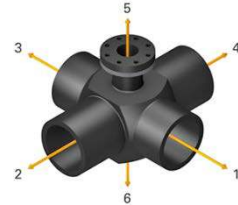
### Manufacturer:

Reinert-Ritz GmbH or equivalent

### Performance specification:

1. PE100 tee for connection to hydrant, reinforced design, with special flange connection (VP flange) of the same nominal diameter and with a fibre-reinforced backing flange at the outlet, drilled according to DIN EN 1092-1, with spring effect for continuous bolt preload, long welding ends for HW welding, d1 ... / DN ... SDR ...

2. PE100 duckfoot bend for connection to hydrant, reinforced design, with special flange connection (VP flange) of the same nominal diameter and with a fibre-reinforced backing flange at the outlet , drilled according to DIN EN 1092-1, with spring effect for continuous bolt preload, long welding end for HW welding, d1 ... / DN ... SDR ...
3. PE100 hydrant end piece for service line connection, reinforced design, with special flange connection (VP flange) of the same nominal diameter and with a fibre-reinforced backing flange at the outlet , drilled according to DIN EN 1092-1, with spring effect for continuous bolt preload, long welding ends for HW welding, d1 ... d3 ... / DN ... SDR ...

**Proof of delivery:**

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