



ST Stainless Steel Piping System



ST AT A GLANCE

Quick reference – Piping system | System piping
System press fittings | Applications



First-class and proven
in drinking water and
industrial installations

The unbeatable **simplesta® ST** benefits at a glance

TOP-QUALITY STAINLESS STEEL

More than 40 years of experience in a multitude of different applications

PERFECTLY COORDINATED COUPLING TECHNOLOGY

Pipes, fittings, and pressing tools from one single source

A MULTITUDE OF APPLICATIONS

The **simplesta® ST** can do more!

UNBEATABLE VALUE FOR MONEY

Cost-effective and stable pricing

PIPING SYSTEM ST

- Permanently tight and continuously sealed pipe coupling, tested in accordance with the **W 534 worksheet**, positive and longitudinal locking, suitable for surface and flush fitting
- **DVGW's DW-8501CM0584 system approval**
- PWIS-free if required

SYSTEM PIPING

Stainless steel pipe made from the material **1.4401** or **1.4521**

Each end closed off with a **blue or green plug**



• **1.4521** stainless steel pipes are marked with a continuous **green line**

- Dim.: **15-108 mm (od)**
- **Laser welded**
- **Annealed** and bends easily
- **Length: 6,000 mm**
- Warranty agreement with **ZVSHK**

Fully labelled (example):

simplesta® system piping **1.4401** (material) **15 x 1.00** (dimensions)
SVGW/ DVGW (worksheet)
DW-7301AT2017 / DV-7301BT0666 (material)
 Made in Germany **30.05.2016 15:32:20** (production date and time) **D.H.** (initials of plant operator)

SYSTEM PRESS FITTINGS

Stainless steel press fittings made using the materials **1.4401 / 1.4404 / 1.4408**

- **End-to-end delivery programme** in the dimensions **15-108 mm**
- Warranty agreement with **ZVSHK**



Blue press indicator

Standard **EPDM** seal ring – **leak before press**

The **simplesta® ST** system press fittings have successfully completed the testing and assessment of hygienic suitability in contact with drinking water according to the positive list of Germany's Federal Environmental Agency (UBA) for the purposes of Section 17(3) of Germany's Regulation on water for human consumption (Trinkwasserordnung - TrinkwV 2001).

The **EPDM seal ring** also satisfies the guideline for hygienic assessment of organic materials in contact with drinking water (KTW Guideline)

Power units approved for the **simplesta® ST system press fittings** *

- **Novopress** – power units
- **Klauke** – power units
- **Geberit** – power units
- **Sanha** – power units
- **Rothenberger** – power unit ROMAX 3000 and 4000
- **REMS** – power units, Power Press ACC and Power Press XL ACC

Pressing jaws/collars approved for the **simplesta® ST system press fittings**

- **Novopress** pressing jaws/collars, 15-108 mm, M-profile
- **Klauke** pressing jaws/collars, 15-108 mm, M-profile
- **Geberit** pressing jaws/collars, 15-108 mm, M-profile
- **Sanha** pressing collars, 42-108 mm, M-profile
- **Rothenberger** pressing jaws/collars, 15-54 mm, M-profile
- **REMS** pressing jaws/collars, 15-108 mm, M-profile

* Other suppliers on request

APPLICATIONS*

Black EPDM seal ring, leak before press
(inserted in the factory)

- ✓ **any water according to the TrinkwV.**** in cold and hot water installations up to +85 °C (according to DIN 1988)
- ✓ **open and closed water circuits** -30 °C to +110 °C
- ✓ **open and closed refrigerating and cooling circuits**
- ✓ **compressed-air systems** class 1-5
- ✓ **inert gases** (non-toxic/non-explosive)
- ✓ **extinguishing water lines** (wet, wet/dry, dry)
- ✓ **solar installations** up to +110 °C
- ✓ **vacuum** up to 200 mbar negative pressure
- ✓ **demineralised water**
- ✓ **condensate lines** up to +110 °C
- ✓ **district heating in domestic connection lines**
- ✓ **spring water**



Green FPM seal ring, not leak before press
(must be replaced locally by fitter)

- ✓ **compressed air systems** class 6-10
- ✓ **mineral oil, vegetable oil, light fuel oil**
- ✓ **solar installations** up to +180 °C
- ✓ **concrete core cooling**
- ✓ **general fuels*****



Applications where the **simplesta® ST** stainless steel piping system may **NOT** be used:

- ⊘ Gas installations as per TRGI
- ⊘ Sprinkler systems as per VdS

*Other applications on request

**German regulation on water for human consumption

***after consulting with the application technology department



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