

## SH Stainless Steel Piping System



## SH AT A GLANCE

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



**The new standard**  
for heating and  
industrial installations

The unbeatable  
**simplesta<sup>®</sup> SH** benefits  
at a glance

**TOP-QUALITY STAINLESS STEEL**

A revolution in heating and industrial installation

**PERFECTLY COORDINATED  
COUPLING TECHNOLOGY**

Pipes, fittings, and pressing tools from one single source

**A MULTITUDE OF APPLICATIONS**

The **simplesta<sup>®</sup> SH** can do more!

**UNBEATABLE VALUE FOR MONEY**

Cost-effective and stable pricing

# PIPING SYSTEM SH

- Permanently tight and continuously sealed pipe coupling, positive and longitudinal locking, suitable for surface and flush fitting
- Certification of corrosion resistance by the Mülheim an der Ruhr-based **IWW Water Centre**
- **Certification 'Quality Label'** by North Rhine-Westphalia Materials Testing Office (MPA NRW)

# SYSTEM PIPING

● **Stainless steel pipe** made from the material **1.4520** Each end closed off with a **black plug**

● Marked with two continuous **black lines**

● **Fully labelled** (example):  
 simplesta® system piping **1.4520** (material) **18 x 1.00** (dimensions)  
 Heating – Industry – Compressed air **34840** (serial number)  
 Made in Germany **30.05.2016 15:32:20** (production date and time) **D.H.** (initials of plant operator)

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

# 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**



● **Black press indicator**

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

**Power units** approved for the **simplesta® SH 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® SH 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)

- ✓ **closed water circuits** -30 °C to +110 °C
- ✓ **closed refrigerating and cooling circuits**
- ✓ **compressed air systems** class 1-5
- ✓ **inert gases** (non-toxic/non-explosive)
- ✓ **extinguishing water lines dry**
- ✓ **solar installations** up to +110 °C
- ✓ **vacuum** up to 200 mbar negative pressure
- ✓ **demineralised water** (closed circuits)
- ✓ **condensate lines** up to +110 °C\*\*
- ✓ **district heating in domestic connection lines**



**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**



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

- ⊘ **Drinking water installations**
- ⊘ **Gas installations as per TRGI**
- ⊘ **Sprinkler systems as per VdS**
- ⊘ **Water fire main wet, wet/dry**
- ⊘ **Open water circulation systems**

\*Other applications on request

\*\*after consulting with the application technology department



**Esta Rohr GmbH**

Eisenhuettenstrasse 11-17  
D-57074 Siegen-Kaan-Marienborn

Phone: +49 (0) 271 6909-0  
Fax: +49 (0) 271 6909-220  
Email: [info@esta-rohr.de](mailto:info@esta-rohr.de)

[www.simplesta.com](http://www.simplesta.com)