

# The simplesta® Stainless Steel Piping Systems

**simplesta®**  
Edelstahl-Rohrsysteme

The **simplesta®** stainless steel piping systems have a multitude of applications in installation technology thanks to the use of austenitic or ferritic corrosion-resistant steels. In addition to the safe and efficient installation, as well as easy handling, we can guarantee lasting quality.

Whether it's a drinking water installation, a heating installation or the implementation of an industrial installation, the **simplesta®** stainless steel piping systems are always the right choice!



ST



First-class and proven  
for drinking water installations



SIMPLESTA 1.4401 MADE IN GERMANY

SIMPLESTA 1.4521 MADE IN GERMANY



SH



The new standard  
for industrial and heating installations



SIMPLESTA 1.4520 MADE IN GERMANY

## Safe, easy, fast.

The **simplesta®** stainless steel piping systems consist of three components: **system pipes, system press fittings,** and **system pressing tools.**

All the components are designed for perfect compatibility.

– Warranty agreement with the ZVSHK\* –

\* German sanitation, heating and air conditioning association



# The **simplesta**<sup>®</sup> stainless steel piping systems at a glance

## The **simplesta**<sup>®</sup> **ST** stainless steel piping system



<b>ST system pipes</b>	<ul style="list-style-type: none"> <li>• <b>austenitic material 1.4401</b> (DV7301BTO666) <i>for gas and drinking water installations</i></li> <li>• <b>ferritic material 1.4521</b> (DW7301AT2017) <i>for drinking water installations</i></li> <li>• rust and acid-resistant steel • in-house FPC system</li> <li>• laser-welded pipes as per the DVGW's (German technical and scientific association for gas and water) GW 541 worksheet, DIN EN 10893-2, DIN EN 10893-1, DIN EN 10217-7, DIN EN 10088, DIN EN 10312, DIN EN 10296-2</li> <li>• solution annealed • intergranular corrosion resistance</li> <li>• deburr cut at an HL of approximately 6000 mm</li> <li>• each end closed with a blue (1.4401) or green (1.4521) plug</li> <li>• Mo content <math>\geq 2.3\%</math> in pipes made using 1.4401. PRE <math>\geq 24.10</math></li> <li>• Mo content <math>\geq 2.0\%</math> in pipes made using 1.4521. PRE <math>\geq 24.10</math></li> </ul>
<b>ST system press fittings</b>	<ul style="list-style-type: none"> <li>• stainless steel press fittings made using the materials 1.4404/1.4401/1.4408 • design as per DVGW W 534 • type M-MM</li> <li>• in-house FPC system • blue press indicator</li> </ul>
<b>Dimensions</b>	• end-to-end programme from 15 to 108 mm • LBP (leak before press)
<b>Applications</b>	<ul style="list-style-type: none"> <li>• <b>drinking water installations</b> up to +85 °C</li> <li>• <b>solar installations</b> • <b>open and closed water circuits</b> -30 °C to +110 °C</li> <li>• <b>demineralised water</b> • <b>compressed air systems</b></li> <li>• <b>extinguishing water lines and industrial applications</b></li> <li>• <b>PWIS-free</b> if required</li> </ul>
<b>System approval</b>	DVGW DW-8501CM0584

## The **simplesta**<sup>®</sup> **SH** stainless steel piping system



<b>SH system pipes</b>	<ul style="list-style-type: none"> <li>• <b>ferritic material 1.4520/CrTi</b> as per DIN EN 10088</li> <li>• in-house FPC system • Ti/Nb dual stabilisation</li> <li>• laser-welded pipes as per DIN EN 10312 (Tab. 2)</li> <li>• solution annealed • intergranular corrosion resistance</li> <li>• deburr cut at an HL of approximately 6000 mm</li> <li>• each end closed with a black plug</li> </ul>
<b>SH system press fittings</b>	<ul style="list-style-type: none"> <li>• stainless steel press fittings made using the materials 1.4404/1.4401/1.4408 for mechanical metal connectors for metallic pipes</li> <li>• type M-MM • in-house FPC system • black press indicator</li> </ul>
<b>Dimensions</b>	• end-to-end programme from 15 to 108 mm • LBP (leak before press)
<b>Applications</b>	<ul style="list-style-type: none"> <li>• <b>closed water circuits</b> -30 °C to +110 °C</li> <li>• <b>closed refrigerating and cooling circuits</b></li> <li>• <b>compressed air systems</b></li> <li>• <b>inert gases</b> (non-toxic/non-explosive)</li> <li>• <b>extinguishing water lines dry</b></li> </ul>
<b>FPC system</b>	Proof of suitability by the <i>IWW Water Centre</i> in Mülheim an der Ruhr, Germany, and in-house production control
<b>MPA NRW ,Quality Label'</b>	Certification by North Rhine-Westphalia Materials Testing Office (MPA NRW)

Do you have any questions? Please call or email us.

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