



**MultiStandard**



**Standard Hidraulica**

**STH  
MultiStandard  
System**

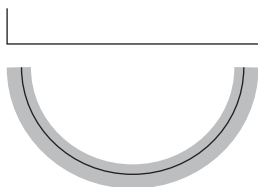
Innovative multilayer  
system with DZR or PPSU  
crimp fittings



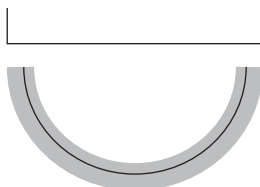
# Technical data and delivery dimensions

| Nominal size(D x e)                     |     | 16×2.0      | 20×2.0 | 25×2.5 | 32×3.0 |
|-----------------------------------------|-----|-------------|--------|--------|--------|
| Outside diameter (mm)                   |     | 16          | 20     | 25     | 32     |
| Tolerance of Outer diameter (mm)        | Min | 16.00       | 20.00  | 25.00  | 32.00  |
|                                         | Max | 16.20       | 20.20  | 25.20  | 32.20  |
| Pipe thickness (mm)                     |     | 2           | 2      | 2.5    | 3      |
| Tolerance of pipe thickness (mm)        | Min | 2.00        | 2.00   | 2.40   | 2.90   |
|                                         | Max | 2.25        | 2.25   | 2.70   | 3.20   |
| Roughness(mm)                           |     | 0.0007      |        |        |        |
| Density(g/cm3)                          |     | 0.926~0.959 |        |        |        |
| Modulus of elasticity(MPa)              |     | 7200        |        |        |        |
| Thermal conductivity(w/mK)              |     | 0.45        |        |        |        |
| Coefficient of thermal expansion(mm/mK) |     | 0.025       |        |        |        |

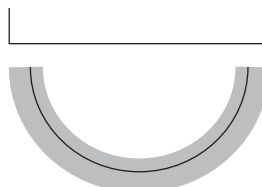
16×2.00mm



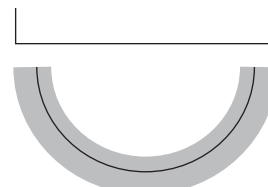
20×2.00mm



25x2.5mm



32×3.00mm



# Applications

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The STH Multilayer crimping pipes can be used for different applications. Key applications include plumbing and heating systems for residential, commercial or industrial building:

**Drinking water:**

As a pipe for hot and cold water distribution of potable and food-safe water.

**Compressed air:**

As a compressed air pipe in systems with preceding oil filter (oil-free).

**Heating:**

As a pipe for radiator-fed high temperature heating systems within the prescribed load values. System separation is required for specific systems such as solar and district heating.

**Rain water:**

As a rain water piping system inside buildings and separately installed from the drinking water installation. The pH-value of the water must be higher than 6.

**Radiant heating and cooling systems:**

As a pipe for low temperature heating and cooling systems.

**Other applications:**

The pipe can be used for many other applications and with other mediums.

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## STH MultiStandard Multilayer System Accreditation

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**INDUSTRY FIRST**

NON-THREADED ITEMS  
AVAILABLE IN  
DZR BRASS OR PPSU



CLASS 2/10 BAR



# Plumbing and heating solutions

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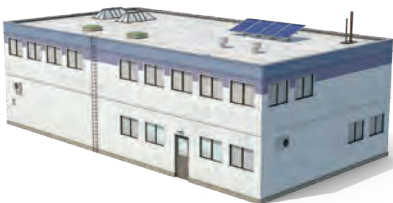
Apartments



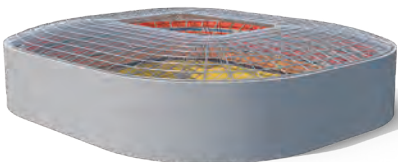
Commercial



Healthcare



Industrial



Stadium



Hotel



Residential Buildings



Education

# PEX/AL/PEX Multilayer Piping System



## PEX/AL/PEX - PIPE IN COIL



| CODE           | SIZE               | DESCRIPTION                      | M/COIL |
|----------------|--------------------|----------------------------------|--------|
| ZAMS-16X2-25   | 16mm x 2mm x 25m   | STH MultiStandard MLP - 16 x 2.0 | 25     |
| ZAMS-16X2-100  | 16mm x 2mm x 100m  | STH MultiStandard MLP - 16 x 2.0 | 100    |
| ZAMS-20X2-25   | 20mm x 2mm x 25m   | STH MultiStandard MLP - 20 x 2.0 | 25     |
| ZAMS-20X2-100  | 20mm x 2mm x 100m  | STH MultiStandard MLP - 20 x 2.0 | 100    |
| ZAMS-25X2.5-50 | 25mm x 2.5mm x 50m | STH MultiStandard MLP - 25 x 2.5 | 50     |
| ZAMS-32X3-50   | 32mm x 3mm x 50m   | STH MultiStandard MLP - 32 x 3.0 | 50     |

System Class 2/10 Bar  
Maximum working temperature 95°C

## PEX/AL/PEX - STRAIGHT PIPE



| CODE          | SIZE              | DESCRIPTION                      | M/COIL |
|---------------|-------------------|----------------------------------|--------|
| ZAMS-16X2-5   | 16mm x 2mm x 5m   | STH MultiStandard MLP - Straight | 5      |
| ZAMS-20X2-5   | 20mm x 2mm x 5m   | STH MultiStandard MLP - Straight | 5      |
| ZAMS-25X2.5-5 | 25mm x 2.5mm x 5m | STH MultiStandard MLP - Straight | 5      |
| ZAMS-32X3-5   | 32mm x 3mm x 5m   | STH MultiStandard MLP - Straight | 5      |

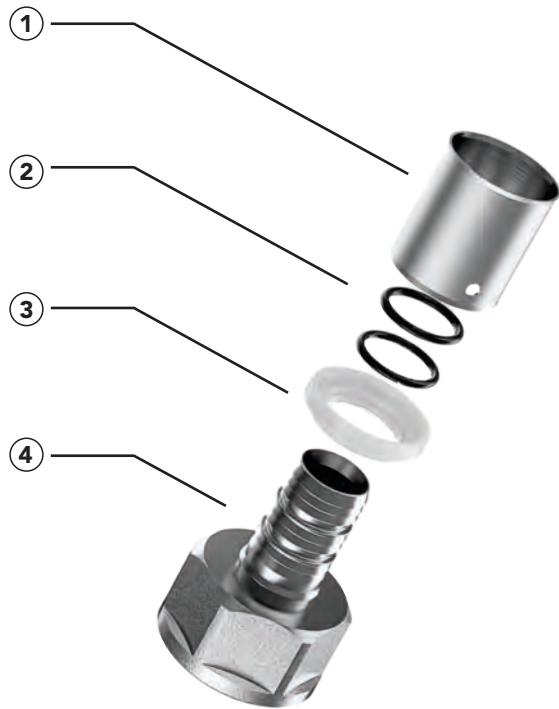
System Class 2/10 Bar  
Maximum working temperature 95°C

## PEX/AL/PEX - CORRUGATED



| CODE            | SIZE             | DESCRIPTION                           | M/COIL |
|-----------------|------------------|---------------------------------------|--------|
| ZAMS-16X2-50BL  | 16mm x 2mm x 50m | STH MultiStandard MLP Corrugated Blue | 50     |
| ZAMS-16X2-50RED | 16mm x 2mm x 50m | STH MultiStandard MLP Corrugated Red  | 50     |
| ZAMS-20X2-50BL  | 20mm x 2mm x 50m | STH MultiStandard MLP Corrugated Blue | 50     |
| ZAMS-20X2-50RED | 20mm x 2mm x 50m | STH MultiStandard MLP Corrugated Red  | 50     |

System Class 2/10 Bar  
Maximum working temperature 95°C



**1** Sleeve Material:  
Stainless steel 304

**2** O ring  
Material: EPDM

**3** Collar  
Material: PE

**4** Fitting main body  
Material: DZR CW602N Brass

## Advantages



U-profile crimping



Ease and security of installation



Excellent sealing performance  
with double O-ring



Nickel plated contributes to  
good corrosion resistance



The stress and risk of cracking is  
eliminated by the annealing process



Machined by special horizontal  
machining centre, with surface  
finish degree of no more than  
Ra3.2µm

# DZR Brass Crimp Fittings

## STRAIGHT UNION



| CODE         | SIZE      | DESCRIPTION                              | SMALL BOX PCS | CARTON PCS |
|--------------|-----------|------------------------------------------|---------------|------------|
| ZAMSB-S16X16 | 16 x 16mm | MultiStandard DZR Straight Union - 16x16 | 35            | 280        |
| ZAMSB-S20X20 | 20 x 20mm | MultiStandard DZR Straight Union - 20x20 | 30            | 240        |
| ZAMSB-S25X25 | 25 x 25mm | MultiStandard DZR Straight Union - 25x25 | 15            | 120        |
| ZAMSB-S32X32 | 32 x 32mm | MultiStandard DZR Straight Union - 32x32 | 10            | 80         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## REDUCER UNION



| CODE         | SIZE      | DESCRIPTION                             | SMALL BOX PCS | CARTON PCS |
|--------------|-----------|-----------------------------------------|---------------|------------|
| ZAMSB-S20X16 | 20 x 16mm | MultiStandard DZR Reducer Union - 20x16 | 35            | 280        |
| ZAMSB-S25X16 | 25 x 16mm | MultiStandard DZR Reducer Union - 25x16 | 20            | 160        |
| ZAMSB-S25X20 | 25 x 20mm | MultiStandard DZR Reducer Union - 25x20 | 15            | 120        |
| ZAMSB-S32X16 | 32 x 16mm | MultiStandard DZR Reducer Union - 32x16 | 10            | 80         |
| ZAMSB-S32X20 | 32 x 20mm | MultiStandard DZR Reducer Union - 32x20 | 10            | 80         |
| ZAMSB-S32X25 | 32 x 25mm | MultiStandard DZR Reducer Union - 32x25 | 10            | 80         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## STRAIGHT FEMALE UNION



| CODE           | SIZE        | DESCRIPTION                                 | SMALL BOX PCS | CARTON PCS |
|----------------|-------------|---------------------------------------------|---------------|------------|
| ZAMSB-S16X1/2F | 16mm x 1/2" | MultiStandard DZR Str Female Union - 16x1/2 | 30            | 240        |
| ZAMSB-S16X3/4F | 16mm x 3/4" | MultiStandard DZR Str Female Union - 16x3/4 | 25            | 200        |
| ZAMSB-S20X1/2F | 20mm x 1/2" | MultiStandard DZR Str Female Union - 20x1/2 | 30            | 240        |
| ZAMSB-S20X3/4F | 20mm x 3/4" | MultiStandard DZR Str Female Union - 20x3/4 | 25            | 200        |
| ZAMSB-S25X3/4F | 25mm x 3/4" | MultiStandard DZR Str Female Union - 25x3/4 | 15            | 120        |
| ZAMSB-S25X1/2F | 25mm x 1/2" | MultiStandard DZR Str Female Union - 25x1/2 | 20            | 160        |
| ZAMSB-S25X1F   | 25mm x 1"   | MultiStandard DZR Str Female Union - 25x1   | 10            | 80         |
| ZAMSB-S32X3/4F | 32mm x 3/4" | MultiStandard DZR Str Female Union - 32x3/4 | 10            | 80         |
| ZAMSB-S32X1F   | 32mm x 1"   | MultiStandard DZR Str Female Union - 32x1   | 10            | 80         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## STRAIGHT MALE UNION



| CODE           | SIZE        | DESCRIPTION                               | SMALL BOX PCS | CARTON PCS |
|----------------|-------------|-------------------------------------------|---------------|------------|
| ZAMSB-S16X1/2M | 16mm x 1/2" | MultiStandard DZR Str Male Union - 16x1/2 | 35            | 280        |
| ZAMSB-S16X3/4M | 16mm x 3/4" | MultiStandard DZR Str Male Union - 16x3/4 | 30            | 240        |
| ZAMSB-S20X1/2M | 20mm x 1/2" | MultiStandard DZR Str Male Union - 20x1/2 | 30            | 240        |
| ZAMSB-S20X3/4M | 20mm x 3/4" | MultiStandard DZR Str Male Union - 20x3/4 | 25            | 200        |
| ZAMSB-S25X1/2M | 25mm x 1/2" | MultiStandard DZR Str Male Union - 25x1/2 | 20            | 160        |
| ZAMSB-S25X3/4M | 25mm x 3/4" | MultiStandard DZR Str Male Union - 25x3/4 | 15            | 120        |
| ZAMSB-S25X1M   | 25mm x 1"   | MultiStandard DZR Str Male Union - 25x1   | 15            | 120        |
| ZAMSB-S32X3/4M | 32mm x 3/4" | MultiStandard DZR Str Male Union - 32x3/4 | 10            | 80         |
| ZAMSB-S32X1M   | 32mm x 1"   | MultiStandard DZR Str Male Union - 32x1   | 10            | 80         |

System Class 2/10 Bar  
Maximum working temperature 95°C

# DZR Brass Crimp Fittings



**MultiStandard**

## STRAIGHT FEMALE DEMOUNT



| CODE            | SIZE        | DESCRIPTION                              | SMALL BOX PCS | CARTON PCS |
|-----------------|-------------|------------------------------------------|---------------|------------|
| ZAMSB-SD16X1/2F | 16mm x 1/2" | MultiStandard DZR Str Demount F - 16x1/2 | 35            | 280        |
| ZAMSB-SD20X1/2F | 20mm x 1/2" | MultiStandard DZR Str Demount F - 20x1/2 | 25            | 200        |
| ZAMSB-SD20X3/4F | 20mm x 3/4" | MultiStandard DZR Str Demount F - 20x3/4 | 25            | 200        |
| ZAMSB-SD25X3/4F | 25mm x 3/4" | MultiStandard DZR Str Demount F - 25x3/4 | 15            | 120        |
| ZAMSB-SD25X1F   | 25mm x 1"   | MultiStandard DZR Str Demount F - 25x1   | 15            | 120        |

System Class 2/10 Bar  
Maximum working temperature 95°C

## ELBOW



| CODE         | SIZE      | DESCRIPTION                     | SMALL BOX PCS | CARTON PCS |
|--------------|-----------|---------------------------------|---------------|------------|
| ZAMSB-E16X16 | 16 x 16mm | MultiStandard DZR Elbow - 16x16 | 30            | 240        |
| ZAMSB-E20X20 | 20 x 20mm | MultiStandard DZR Elbow - 20x20 | 20            | 160        |
| ZAMSB-E25X25 | 25 x 25mm | MultiStandard DZR Elbow - 25x25 | 10            | 80         |
| ZAMSB-E32X32 | 32 x 32mm | MultiStandard DZR Elbow - 32x32 | 5             | 40         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## REDUCER ELBOW



| CODE          | SIZE      | DESCRIPTION                             | SMALL BOX PCS | CARTON PCS |
|---------------|-----------|-----------------------------------------|---------------|------------|
| ZAMSB-ER20X16 | 20 x 16mm | MultiStandard DZR Reducer Elbow - 20x16 | 20            | 160        |
| ZAMSB-ER25X16 | 25 x 16mm | MultiStandard DZR Reducer Elbow - 25x16 | 15            | 120        |
| ZAMSB-ER25X20 | 25 x 20mm | MultiStandard DZR Reducer Elbow - 25x20 | 15            | 120        |
| ZAMSB-ER32X20 | 32 x 20mm | MultiStandard DZR Reducer Elbow - 32x20 | 10            | 80         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## FEMALE ELBOW



| CODE           | SIZE        | DESCRIPTION                             | SMALL BOX PCS | CARTON PCS |
|----------------|-------------|-----------------------------------------|---------------|------------|
| ZAMSB-E16X1/2F | 16mm x 1/2" | MultiStandard DZR Female Elbow - 16x1/2 | 30            | 240        |
| ZAMSB-E16X3/4F | 16mm x 3/4" | MultiStandard DZR Female Elbow - 16x3/4 | 20            | 160        |
| ZAMSB-E20X1/2F | 20mm x 1/2" | MultiStandard DZR Female Elbow - 20x1/2 | 20            | 160        |
| ZAMSB-E20X3/4F | 20mm x 3/4" | MultiStandard DZR Female Elbow - 20x3/4 | 15            | 120        |
| ZAMSB-E25X1/2F | 25mm x 1/2" | MultiStandard DZR Female Elbow - 25x1/2 | 15            | 120        |
| ZAMSB-E25X3/4F | 25mm x 3/4" | MultiStandard DZR Female Elbow - 25x3/4 | 10            | 80         |
| ZAMSB-E32X1F   | 32mm x 1"   | MultiStandard DZR Female Elbow - 32x1   | 5             | 40         |

System Class 2/10 Bar  
Maximum working temperature 95°C



# DZR Brass Crimp Fittings

## MALE ELBOW



| CODE           | SIZE        | DESCRIPTION                           | SMALL BOX PCS | CARTON PCS |
|----------------|-------------|---------------------------------------|---------------|------------|
| ZAMSB-E16X1/2M | 16mm x 1/2" | MultiStandard DZR Male Elbow - 16x1/2 | 30            | 240        |
| ZAMSB-E16X3/4M | 16mm x 3/4" | MultiStandard DZR Male Elbow - 16x3/4 | 20            | 160        |
| ZAMSB-E20X1/2M | 20mm x 1/2" | MultiStandard DZR Male Elbow - 20x1/2 | 25            | 200        |
| ZAMSB-E20X3/4M | 20mm x 3/4" | MultiStandard DZR Male Elbow - 20x3/4 | 15            | 120        |
| ZAMSB-E25X1/2M | 25mm x 1/2" | MultiStandard DZR Male Elbow - 25x1/2 | 15            | 120        |
| ZAMSB-E25X3/4M | 25mm x 3/4" | MultiStandard DZR Male Elbow - 25x3/4 | 10            | 80         |
| ZAMSB-E32X1M   | 32mm x 1"   | MultiStandard DZR Male Elbow - 32x1   | 5             | 40         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## WALL PLATE ELBOW



| CODE            | SIZE        | DESCRIPTION                                 | SMALL BOX PCS | CARTON PCS |
|-----------------|-------------|---------------------------------------------|---------------|------------|
| ZAMSB-E16X1/2WP | 16mm x 1/2" | MultiStandard DZR Wall Plate Elbow - 16x1/2 | 10            | 80         |
| ZAMSB-E20X1/2WP | 20mm x 1/2" | MultiStandard DZR Wall Plate Elbow - 20x1/2 | 10            | 80         |
| ZAMSB-E20X3/4WP | 20mm x 3/4" | MultiStandard DZR Wall Plate Elbow - 20x3/4 | 10            | 80         |
| ZAMSB-E25X3/4WP | 25mm x 3/4" | MultiStandard DZR Wall Plate Elbow - 25x3/4 | 10            | 80         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## EQUAL TEE



| CODE            | SIZE           | DESCRIPTION                            | SMALL BOX PCS | CARTON PCS |
|-----------------|----------------|----------------------------------------|---------------|------------|
| ZAMSB-T16X16X16 | 16 x 16 x 16mm | MultiStandard DZR Equal Tee - 16x16x16 | 20            | 160        |
| ZAMSB-T20X20X20 | 20 x 20 x 20mm | MultiStandard DZR Equal Tee - 20x20x20 | 10            | 80         |
| ZAMSB-T25X25X25 | 25 x 25 x 25mm | MultiStandard DZR Equal Tee - 25x25x25 | 5             | 40         |
| ZAMSB-T32X32X32 | 32 x 32 x 32mm | MultiStandard DZR Equal Tee - 32x32x32 | 5             | 40         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## REDUCER TEE



| CODE             | SIZE           | DESCRIPTION                              | SMALL BOX PCS | CARTON PCS |
|------------------|----------------|------------------------------------------|---------------|------------|
| ZAMSB-RT16X20X16 | 16 x 20 x 16mm | MultiStandard DZR Reducer Tee - 16x20x16 | 15            | 120        |
| ZAMSB-RT20X16X16 | 20 x 16 x 16mm | MultiStandard DZR Reducer Tee - 20x16x16 | 15            | 120        |
| ZAMSB-RT20X16X20 | 20 x 16 x 20mm | MultiStandard DZR Reducer Tee - 20x16x20 | 15            | 120        |
| ZAMSB-RT20X20X16 | 20 x 20 x 16mm | MultiStandard DZR Reducer Tee - 20x20x16 | 15            | 120        |
| ZAMSB-RT25X16X16 | 25 x 16 x 16mm | MultiStandard DZR Reducer Tee - 25x16x16 | 10            | 80         |
| ZAMSB-RT25X16X25 | 25 x 16 x 25mm | MultiStandard DZR Reducer Tee - 25x16x25 | 10            | 80         |
| ZAMSB-RT25X20X25 | 25 x 20 x 25mm | MultiStandard DZR Reducer Tee - 25x20x25 | 10            | 80         |
| ZAMSB-RT32X16X32 | 32 x 16 x 32mm | MultiStandard DZR Reducer Tee - 32x16x32 | 5             | 40         |
| ZAMSB-RT32X20X32 | 32 x 20 x 32mm | MultiStandard DZR Reducer Tee - 32x20x32 | 5             | 40         |
| ZAMSB-RT32X25X32 | 32 x 25 x 32mm | MultiStandard DZR Reducer Tee - 32x25x32 | 5             | 40         |

System Class 2/10 Bar  
Maximum working temperature 95°C

# DZR Brass Crimp Fittings



**MultiStandard**

## FEMALE TEE



| CODE              | SIZE               | DESCRIPTION                              | SMALL BOX PCS | CARTON PCS |
|-------------------|--------------------|------------------------------------------|---------------|------------|
| ZAMSB-FT16X1/2X16 | 16mm x 1/2" x 16mm | MultiStandard DZR Female Tee - 16x1/2x16 | 15            | 120        |
| ZAMSB-FT20X1/2X20 | 20mm x 1/2" x 20mm | MultiStandard DZR Female Tee - 20x1/2x20 | 10            | 80         |
| ZAMSB-FT25X1/2X25 | 25mm x 1/2" x 25mm | MultiStandard DZR Female Tee - 25x1/2x25 | 5             | 40         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## MALE TEE



| CODE              | SIZE               | DESCRIPTION                            | SMALL BOX PCS | CARTON PCS |
|-------------------|--------------------|----------------------------------------|---------------|------------|
| ZAMSB-MT16X1/2X16 | 16mm x 1/2" x 16mm | MultiStandard DZR Male Tee - 16x1/2x16 | 15            | 120        |

System Class 2/10 Bar  
Maximum working temperature 95°C

## END CAP



| CODE      | SIZE | DESCRIPTION                    | SMALL BOX PCS | CARTON PCS |
|-----------|------|--------------------------------|---------------|------------|
| ZAMSB-D16 | 16mm | MultiStandard DZR End Cap - 16 | 40            | 320        |
| ZAMSB-D20 | 20mm | MultiStandard DZR End Cap - 20 | 40            | 320        |
| ZAMSB-D25 | 25mm | MultiStandard DZR End Cap - 25 | 25            | 200        |

System Class 2/10 Bar  
Maximum working temperature 95°C

## ADAPTOR TO COPPER



| CODE          | SIZE      | DESCRIPTION                                 | SMALL BOX PCS | CARTON PCS |
|---------------|-----------|---------------------------------------------|---------------|------------|
| ZAMSB-CU16X15 | 16 x 15mm | MultiStandard DZR Adaptor to Copper - 16x15 | 30            | 240        |
| ZAMSB-CU20X22 | 20 x 22mm | MultiStandard DZR Adaptor to Copper - 20x22 | 20            | 160        |
| ZAMSB-CU25X22 | 25 x 22mm | MultiStandard DZR Adaptor to Copper - 25x22 | 15            | 120        |

System Class 2/10 Bar  
Maximum working temperature 95°C



# PPSU Crimp Fittings

## ELBOW - PPSU



| CODE         | SIZE      | DESCRIPTION                      | SMALL BOX PCS | CARTON PCS |
|--------------|-----------|----------------------------------|---------------|------------|
| ZAMSP-E16X16 | 16 x 16mm | MultiStandard PPSU Elbow - 16x16 | 30            | 240        |
| ZAMSP-E20X20 | 20 x 20mm | MultiStandard PPSU Elbow - 20x20 | 20            | 160        |
| ZAMSP-E25X25 | 25 x 25mm | MultiStandard PPSU Elbow - 25x25 | 10            | 80         |
| ZAMSP-E32X32 | 32 x 32mm | MultiStandard PPSU Elbow - 32x32 | 5             | 40         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## EQUAL TEE - PPSU



| CODE            | SIZE           | DESCRIPTION                             | SMALL BOX PCS | CARTON PCS |
|-----------------|----------------|-----------------------------------------|---------------|------------|
| ZAMSP-T16X16X16 | 16 x 16 x 16mm | MultiStandard PPSU Equal Tee - 16x16x16 | 20            | 160        |
| ZAMSP-T20X20X20 | 20 x 20 x 20mm | MultiStandard PPSU Equal Tee - 20x20x20 | 10            | 80         |
| ZAMSP-T25X25X25 | 25 x 25 x 25mm | MultiStandard PPSU Equal Tee - 25x25x25 | 5             | 40         |
| ZAMSP-T32X32X32 | 32 x 32 x 32mm | MultiStandard PPSU Equal Tee - 32x32x32 | 5             | 40         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## STRAIGHT UNION - PPSU



| CODE         | SIZE      | DESCRIPTION                               | SMALL BOX PCS | CARTON PCS |
|--------------|-----------|-------------------------------------------|---------------|------------|
| ZAMSP-S16X16 | 16 x 16mm | MultiStandard PPSU Straight Union - 16x16 | 35            | 280        |
| ZAMSP-S20X20 | 20 x 20mm | MultiStandard PPSU Straight Union - 20x20 | 30            | 240        |
| ZAMSP-S25X25 | 25 x 25mm | MultiStandard PPSU Straight Union - 25x25 | 15            | 120        |
| ZAMSP-S32X32 | 32 x 32mm | MultiStandard PPSU Straight Union - 32x32 | 10            | 80         |

System Class 2/10 Bar  
Maximum working temperature 95°C

## REDUCER UNION - PPSU



| CODE         | SIZE      | DESCRIPTION                              | SMALL BOX PCS | CARTON PCS |
|--------------|-----------|------------------------------------------|---------------|------------|
| ZAMSP-S20X16 | 20 x 16mm | MultiStandard PPSU Reducer Union - 20x16 | 35            | 280        |
| ZAMSP-S25X16 | 25 x 16mm | MultiStandard PPSU Reducer Union - 25x16 | 20            | 160        |
| ZAMSP-S25X20 | 25 x 20mm | MultiStandard PPSU Reducer Union - 25x20 | 15            | 120        |

System Class 2/10 Bar  
Maximum working temperature 95°C

### BALL VALVE



| CODE         | SIZE      | DESCRIPTION                          | SMALL BOX PCS | CARTON PCS |
|--------------|-----------|--------------------------------------|---------------|------------|
| ZAMSB-V16X16 | 16 x 16mm | MultiStandard DZR Ball Valve - 16x16 | 10            | 80         |
| ZAMSB-V20X20 | 20 x 20mm | MultiStandard DZR Ball Valve - 20x20 | 10            | 80         |
| ZAMSB-V25X25 | 25 x 25mm | MultiStandard DZR Ball Valve - 25x25 | 5             | 40         |
| ZAMSB-V32X32 | 32 x 32mm | MultiStandard DZR Ball Valve - 32x32 | 4             | 32         |

System Class 2/10 Bar  
Maximum working temperature 95°C

### STAINLESS STEEL SLEEVE



| CODE     | SIZE | DESCRIPTION                               | SMALL BOX PCS | CARTON PCS |
|----------|------|-------------------------------------------|---------------|------------|
| ZAMS-S16 | 16mm | MultiStandard Stainless Steel Sleeve - 16 | 40            | 320        |
| ZAMS-S20 | 20mm | MultiStandard Stainless Steel Sleeve - 20 | 40            | 320        |
| ZAMS-S25 | 25mm | MultiStandard Stainless Steel Sleeve - 25 | 25            | 200        |
| ZAMS-S32 | 32mm | MultiStandard Stainless Steel Sleeve - 32 | 15            | 120        |

System Class 2/10 Bar  
Maximum working temperature 95°C

# Multilayer System Tools

| PIPE CUTTING TOOL | CODE    | SIZE      | DESCRIPTION               |
|-------------------|---------|-----------|---------------------------|
|                   | ZACPPCT | 15 - 32mm | STH MLP Pipe Cutting Tool |



Used to cut plastic pipe and multilayer composite pipes (pipe size less than DN32)

| PIPE REAMER TOOL | CODE         | SIZE           | DESCRIPTION                           |
|------------------|--------------|----------------|---------------------------------------|
|                  | ZAMS-R162025 | 16 - 20 - 25mm | STH MLP Pipe Reamer Tool - 16-20-25mm |
|                  | ZAMS-R202532 | 20 - 25 - 32mm | STH MLP Pipe Reamer Tool - 20-25-32mm |



Used to ensure that the tube is round and free of burrs before inserting into the fitting and will not damage the O-ring of the fitting.

| U-PROFILE PRESSING TOOL | CODE              | SIZE                | DESCRIPTION                                     |
|-------------------------|-------------------|---------------------|-------------------------------------------------|
|                         | ZAMS-PTU16-20-T01 | 16 - 20mm           | STH Manual Press Tool 1 - U profile 16/20       |
|                         | ZAMS-PTU16-25-T02 | 16 - 20 - 25mm      | STH Manual Press Tool 2 - U profile 16/20/25    |
|                         | ZAMS-PTU16-32-T03 | 16 - 20 - 25 - 32mm | STH Manual Press Tool 3 - U profile 16/20/25/32 |



Used to ensure that the tube is round and free of burrs before inserting into the fitting and will not damage the O-ring of the fitting.

## OUTER BENDING SPRING



| CODE       | SIZE | DESCRIPTION                   |
|------------|------|-------------------------------|
| ZAMS-OBS16 | 16mm | STH Outer Bending Spring - 16 |
| ZAMS-OBS20 | 20mm | STH Outer Bending Spring - 20 |
| ZAMS-OBS25 | 25mm | STH Outer Bending Spring - 25 |
| ZAMS-OBS32 | 32mm | STH Outer Bending Spring - 32 |



The bending radius of the direct bend, centered on the pipe axis, should not be less than 5 times the size of the pipe.

## PRESSING TOOL INSERTS



| CODE           | SIZE       | DESCRIPTION           |
|----------------|------------|-----------------------|
| ZAMS-INS16-T01 | 16mm U/T01 | STH Insert 16mm U/T01 |
| ZAMS-INS20-T01 | 20mm U/T01 | STH Insert 20mm U/T01 |
| ZAMS-INS16-T02 | 16mm U/T02 | STH Insert 16mm U/T02 |
| ZAMS-INS20-T02 | 20mm U/T02 | STH Insert 20mm U/T02 |
| ZAMS-INS25-T02 | 25mm U/T02 | STH Insert 25mm U/T02 |
| ZAMS-INS16-T03 | 16mm U/T03 | STH Insert 16mm U/T03 |
| ZAMS-INS20-T03 | 20mm U/T03 | STH Insert 20mm U/T03 |
| ZAMS-INS25-T03 | 25mm U/T03 | STH Insert 25mm U/T03 |
| ZAMS-INS32-T03 | 32mm U/T03 | STH Insert 32mm U/T03 |



## Pipe Cutting

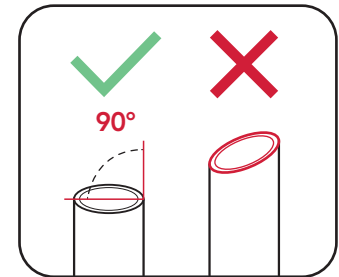
### WARNING!

Risk of injury might occur in the stop end area of the shears if operated incorrectly. Only use the tool as described in the operating instructions.

### NOTE!

Incorrect cutting causes leakage in connection

- The end of the pipe shall be cut vertically.
- The end of the pipe shall not be damaged or distorted.

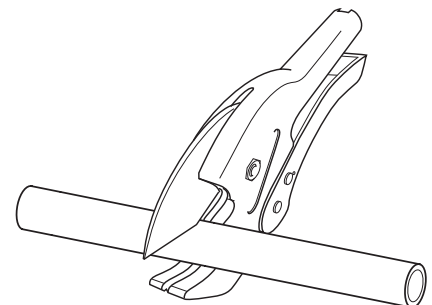


## Press Fitting

### Step 1:

Cut the pipe vertically by STH pipe cutter. Make sure to cut it quickly and precisely.

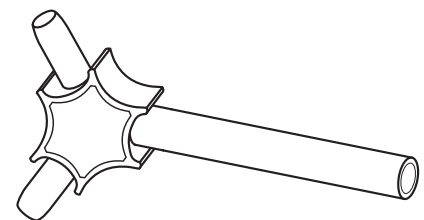
### Step 1:



### Step 2:

Use a plastic reamer to round and bevel the end holes of the pipe.

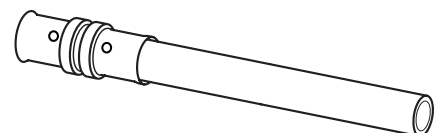
### Step 2:



### Step 3:

Choose the right size sleeved-fitting for the pipe and aim the pipe end at the ring-shape hole of the fitting integrated with stainless steel sleeve. Push the pipe into the fitting up to the shoulder. Check the inserting depth by looking through the inspection holes on the sleeve shoulder, to ensure that the pipe is completely inserted.

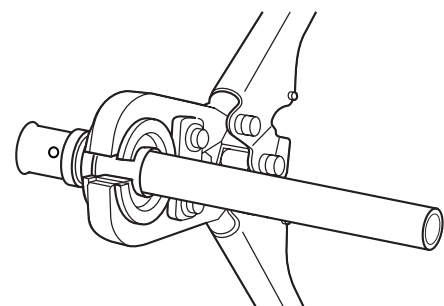
### Step 3:



### Step 4:

Open the pressing tool and position the tool right onto the stainless steel sleeve.

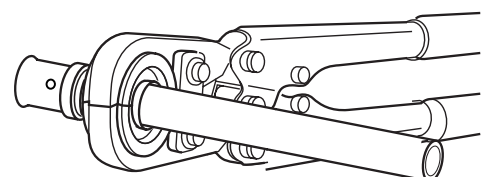
### Step 4:



### Step 5:

The margin of the block must be placed into the groove of the pressing section.

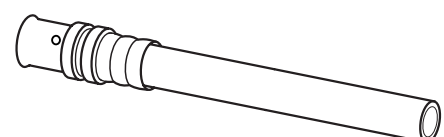
### Step 5:



### Step 6:

While the jaw is completely closed, the handles will be locked. Open the handles and remove the pressing tool from the fitting and the installation is complete.

### Step 6:



# WARRANTY

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**MultiStandard**

## Terms and Conditions:

### Coverage:

This warranty covers the Sub-Saharan region for defects in materials and workmanship of the plumbing piping for a period of 25 years from the date of purchase for the system (STH MultiStandard pipes with STH DZR Brass & PPSU fittings), and 5 years when installed in conjunction with other AENOR SANS 21003 approved Multilayer pipes or Crimping fittings.

### Exclusions:

This warranty does not cover damages resulting from improper installation, misuse, accidents, neglect, alteration, or any unauthorized repair or modification. It also does not cover damage caused by environmental factors beyond our control.

# NOTES



Lined area for notes, consisting of multiple horizontal lines.

STH MultiStandard 25 x 2.5mm PE-Xb/AL/PE-Xb Class 2/10bar/95°C SANS

STH MultiStandard 20 x 2.0mm PE-Xb/AL/PE-Xb Class 2/10bar/95°C SANS

32 x 3.0mm PE-Xb/AL/PE-Xb Class 2/10bar/95°C SANS 21003 AENOR 001/007

25 x 2.5mm PE-Xb/AL/PE-Xb Class 2/10bar/95°C SANS 21003 AENOR 001/007

20 x 2.0mm PE-Xb/AL/PE-Xb Class 2/10bar/95°C SANS 21003 AENOR 001/007

16 x 2.0mm PE-Xb/AL/PE-Xb Class 2/10bar/95°C SANS 21003 AENOR 001/007

STH MultiStandard

STH MultiStandard



## OUR PILLARS



### VALVES, SYSTEMS AND CONNECTIONS

Connection solutions for thermal and sanitary networks in buildings, fittings and valves, and complete pipe systems.



### UTILITIES

Connection solutions for water and gas distribution networks.



### TAPS, MIXERS AND SHOWERS

STH has developed an exclusive range of taps, mixers and showers for kitchens and bathrooms: well-designed, functional and reliable solutions.

We don't just sell products, we offer **quality product solutions** of the highest **Standard.**

### CORE PRODUCT SOLUTIONS

STH MULTISTANDARD SYSTEM ■ JEVCO SABS COMPRESSION FITTINGS ■ END FEED CAPILLARY FITTINGS  
JEVTEC MULTILAYER PIPE SYSTEM ■ FLUIDMASTER FLUID MANAGEMENT SOLUTIONS ■ SABS APPROVED  
PREMIUM AND STANDARD MIXER RANGES ■ CP BRASS FITTINGS ■ ROUGH BRASSWARE FITTINGS  
WASTES & TRAPS ■ CLEVER WATER PURIFICATION FILTER & CLEVER WATER TREATMENT TAPS ■ STH VALVES



# Standard Hidraulica



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QUALITY  
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