

tst[®]

Couplings Stainless Steel

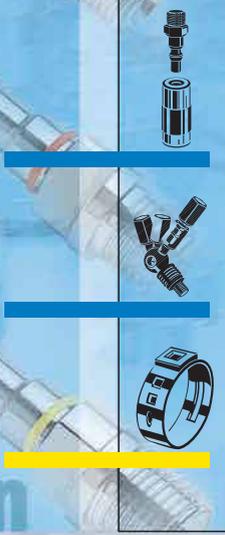
Interchangeable

stainless
STEEL

2 stage
disconnection



tst
QUICK CONNECT





Couplings and Clamps Stainless Steel

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The TST Group Worldwide

Founded over 20 years ago, we now have a Production Facility that occupies over 10,000 sq m. Our broad range of products are designed, manufactured and constantly developed under the same roof, to meet the needs of our Worldwide Customers.

“tst” is fully integrated manufacturer of quick connect/disconnect couplings, for hydraulic, pneumatic, vacuum, gas, chemical fluid and water applications, in addition to multi couplers, fittings, hoses and accessories.

The latest technologies are utilized to Manufacture and Assembly our wide range of products to the required specifications to achieve Zero Defects and 100% Delivery Performance.

QUALITY

Our commitment to quality can be demonstrated by Customer Satisfaction Feedback and our continuous product and process development projects.

Statistical Process Control operations, performed by our operators ensure that our products meet the customers' requirements.

Latest methods and equipments are utilized to enable the vigorous testing of the New and Existing Range of Products.

SUPPORT & SERVICE

The Engineering and Research Teams work in conjunction with the Customers and Customer Support Teams to seek the most suitable robust product for the application it is intended for at an affordable cost.

Around 80% of the manufacturing capacity is for standard products and the remainder is utilized, to cater for specialised needs of our customers, supported by our in-house design capability.

Our Customer Support Teams are in continuous communication with our customers to keep them up to date and to get feedback from our products.

Since 1997 our export sales has reached % 85 of our production and expanded to countries through out Europe and Worldwide.

Our Aim is to Exceed Customer Expectation.



**Worldwide Connecting Technology
Safe and of the Highest Quality**

**Selected Raw
Materials**

**Future-Oriented
Development**

**Practical
Manufacturing Methods**

**High
Quality Standards**

TS EN ISO 9001:2008



Rights to make technical changes in the interests of further development reserved

www.tst-tamsan.com



Product Overview



**SV 1-Stage
with metal release ring**

Features

- Complies with ISO 6150-C
- Simple operation – minimal connection force needed
- Manufactured using high-quality materials
- Compact design
- Long service life – low maintenance
- Sterilizable (CIP)

Application

Compressed air and gas supply, measurement and control systems in:

- Machine and apparatus engineering
- Medical, chemical and pharmaceutical

Procedure

Push plug into coupling until it is heard to engage by a click.

Turn release ring to the left and pull out plug.

In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated.



**SV 2-Stage
with metal release ring**

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Complies with ISO 6150-C
- Simple operation – minimal connection force needed
- Manufactured from high-quality materials
- Long service life – low maintenance
- Sterilizable (CIP)

Application

Compressed air and gas supply, measurement and control systems in:

- Machine and apparatus engineering
- Medical, chemical and pharmaceutical
- Food- and beverage industry

Procedure

Push plug into coupling until it is heard to engage by a click.

The plug is disconnected by turning the release ring to the left. It is held back by the safety catch, until the hose is ventilated. The plug can only be released by turning the release ring to the right.



**SV 2-Stage
Heavy-Duty Range**

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Manufactured from high-quality materials
- Extremely robust design
- Long service life – low maintenance

Application

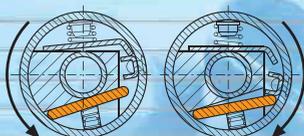
Compressed air and gas supply in extremely rough working conditions in:

- Marine and ship-building
- Petrochemical (oil and gas industries)

Procedure

Push plug into coupling and turn it to the right until the mechanism is heard to engage by a click.

Turn plug to the left while simultaneously gently pulling back the release ring. The plug is withheld from ejecting by the safety chamber and can only be released by another 90° turn to the left or to the right.





Product Overview



SV 2-Stage
Non-Interchangeable

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature:
2-stage disconnection
- Mixing of different media is impossible as connection is only possible with plug with identical key profile
- Manufactured from high-quality materials
- Eliminates danger of wrong line connection

Application

For safety-related applications, toxic media in:

- Machine and apparatus engineering
- Medical, chemical and pharmaceutical

Procedure

Push plug into coupling with matching key profile until it is heard to engage by a click.

The plug is disconnected by turning the release ring to the left. It is held back by the safety catch, until the hose is ventilated. The plug can only be released by turning the release ring to the right.

SV 1-Stage
Non-Interchangeable Heavy-Duty

Features

- Mixing of different media is impossible as connection is only possible with plug with identical key profile
- Extremely robust design
- Manufactured from high-quality materials
- Eliminates danger of wrong line connection

Application

For safety-related applications, toxic media in:

- Machine and apparatus engineering
- Petrochemical (oil and gas industries)

Procedure

Push plug into coupling and turn it to the right until the mechanism is heard to engage by a click.

Turn plug to the left while simultaneously gently pulling back the release ring.

In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated.

SC Series HB
Swing Coupling

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature:
2-stage disconnection
- Plug complies with ISO 6150-B
- Full flow, minimal loss of pressure
- Simple operation – zero connection force needed

Application

For safety-related applications, toxic media in:

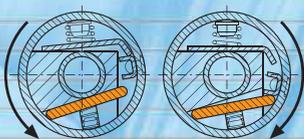
- Machine and apparatus engineering
- Marine and ship-building
- Petrochemical (oil and gas industries)

Procedure

Push plug into coupling and swing approximately 90° until ring engages in the groove.

Pull back ring and swing plug to stop. Remove plug from coupling.

In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated.





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Product Overview



Clamps and Rings

Features

- Concentrated seal compression
- No cutting or damage to the compressed air hose
- Fast, simple, and secure installation
- Visual check that clamp is closed

Worm Drive Clamps

- Simple, time-saving installation
- ALSI Worm Drive Clamps have toggle locks
- Large clamping range
- Numerous application possibilities

Application

- Machine and apparatus engineering
- MRO
- Marine and ship-building
- Petrochemical (oil and gas industries)
- Agriculture, farm and forestry

Installation

Use pincers with standard jaw or side jaw (for conditions in confined spaces)



Types and Symbols

→ Seals/shuts-off on one side

Coupling with Valve

The flow is interrupted after disconnection

↔ Seals/shuts-off on both sides

Coupling and Plug with Check-Valve

The flow is interrupted both in the coupling and in the plug with check valve after disconnection. (Check valves prohibit flow in the reverse direction)

→ With free flow

Coupling without valve OV

The flow has to be stopped before disconnection.

← Plug

Conversion of Units

Pressure

| bar | psi | psi | bar |
|--------|-------|---------|------|
| 1.0 ~ | 14.5 | 15.0 ~ | 1.0 |
| 6.0 ~ | 87.0 | 100.0 ~ | 6.9 |
| 15.0 ~ | 217.0 | 200.0 ~ | 13.8 |
| 25.0 ~ | 362.0 | 300.0 ~ | 20.7 |

Vacuum

| % | mbar | inHg |
|--------|--------|------|
| 0 ~ | 1000 ~ | 29.5 |
| 10 ~ | 900 ~ | 26.6 |
| 50 ~ | 500 ~ | 14.8 |
| 90 ~ | 100 ~ | 3.0 |
| 99 ~ | 10 ~ | 0.3 |
| 1000 ~ | 0 ~ | 0.0 |

Thread

| inches" | d (mm) | d1 (mm) |
|---------|--------|---------|
| 1/8" | ~ 9.7 | ~ 8.6 |
| 1/4" | ~ 13.1 | ~ 11.5 |
| 3/8" | ~ 16.6 | ~ 15.0 |
| 1/2" | ~ 20.9 | ~ 18.7 |
| 3/4" | ~ 26.4 | ~ 24.2 |
| 1" | ~ 33.2 | ~ 30.3 |

Temperature

| °C | °F | °C | °F |
|-------|------|--------|------|
| -40 ~ | -40 | +93 ~ | +200 |
| -20 ~ | -4 | +100 ~ | +212 |
| -18 ~ | 0 | +150 ~ | +302 |
| -15 ~ | +5 | +200 ~ | +392 |
| 0 ~ | +32 | +260 ~ | +500 |
| +38 ~ | +100 | +290 ~ | +554 |

Flow Rate

| m3/h | SCFM | l/min | GPM [US] |
|-------|-------|-------|----------|
| 1 ~ | 0.6 | 0.5 ~ | 0.13 |
| 5 ~ | 3.0 | 1 ~ | 0.26 |
| 10 ~ | 6.0 | 2 ~ | 0.52 |
| 20 ~ | 12.0 | 3 ~ | 0.80 |
| 30 ~ | 18.0 | 4 ~ | 1.00 |
| 40 ~ | 24.0 | 10 ~ | 2.60 |
| 50 ~ | 30.0 | 20 ~ | 5.20 |
| 100 ~ | 60.0 | 30 ~ | 8.00 |
| 200 ~ | 120.0 | 60 ~ | 16.00 |
| 300 ~ | 180.0 | 100 ~ | 26.00 |
| 400 ~ | 240.0 | 200 ~ | 52.00 |
| 500 ~ | 300.0 | 300 ~ | 80.00 |
| 700 ~ | 420.0 | 600 ~ | 160.00 |

Original size

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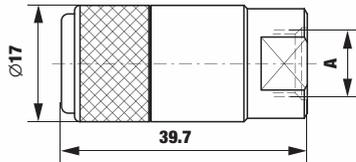
SV 1-Stage

DN3 1/8"

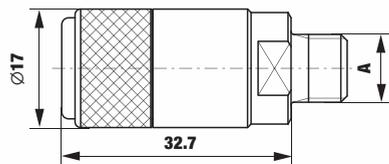


Quick Action Coupling

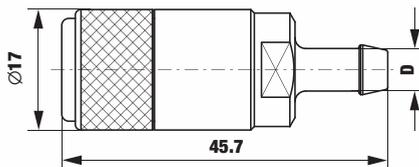
with female thread



with male thread



with hose stem



| A | Part No. |
|--------|------------|
| G1/8 | 303 00 580 |
| NPT1/8 | 303 00 581 |

| | |
|--------|------------|
| G1/8 | 303 00 582 |
| NPT1/8 | 303 00 584 |
| G1/4 | 303 00 583 |

| D | | Part No. |
|------|-------|------------|
| 4 mm | 3/16" | 303 00 585 |
| 6 mm | 1/4" | 303 00 586 |
| 8 mm | 5/16" | 303 00 587 |

Features

- Complies with ISO 6150-C-8
- Simple operation – minimal connection force needed
- Manufactured from high-quality materials
- Compact design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

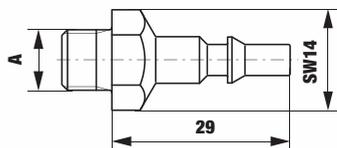
Seals FPM
EPDM
FFKM

See page 34 for information on choosing a seal.

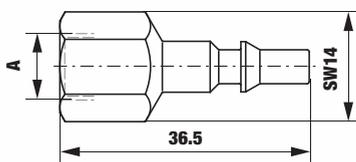
Variants without valve OV and plug with check valve available upon request.

Plug with check valve

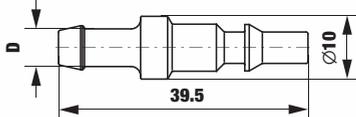
with female thread



with male thread



with hose stem



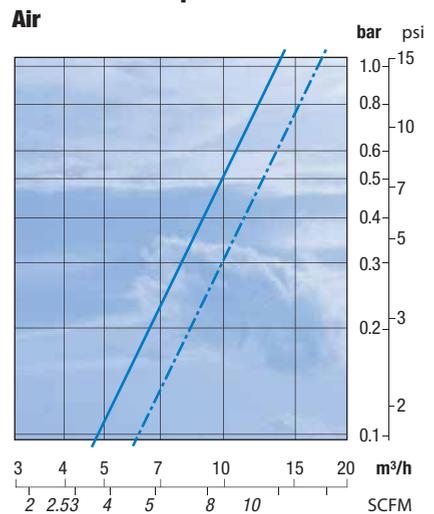
| A | Part No. |
|--------|------------|
| G1/8 | 355 00 274 |
| NPT1/8 | 355 00 338 |

| | |
|--------|------------|
| G1/8 | 355 00 273 |
| NPT1/8 | 355 00 339 |

| D | | Part No. |
|------|-------|------------|
| 4 mm | 3/16" | 355 00 276 |
| 6 mm | 1/4" | 355 00 277 |

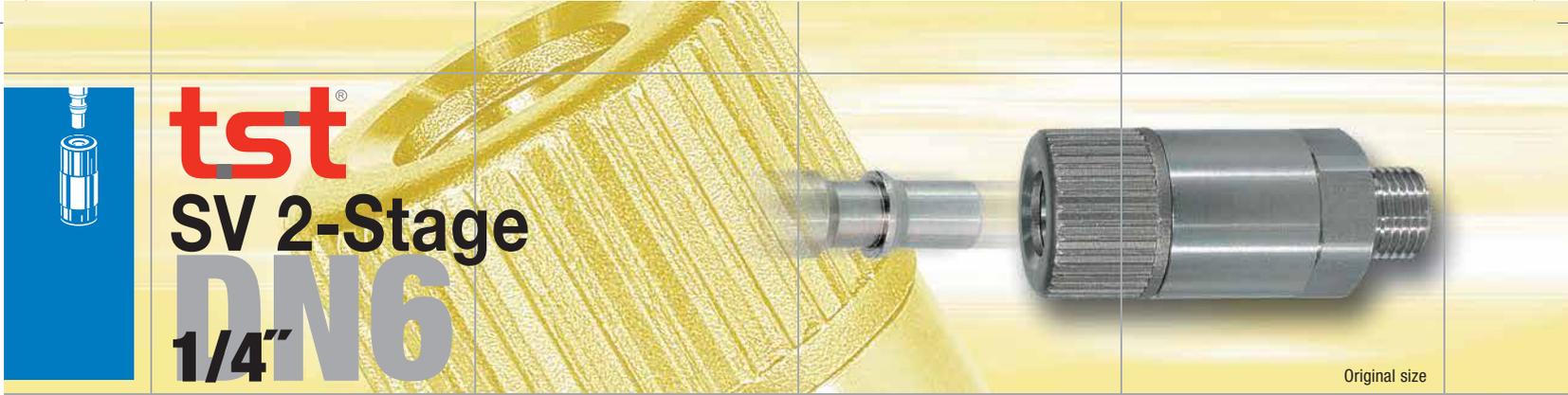
◀ Can be delivered on short-notice

Performance Graph



— Plug
- - - Without valve OV

Pressure difference P in bar and psi



Original size

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Complies with ISO 6150-C-10
- Simple operation – minimal connection force needed
- Manufactured from high-quality materials
- Compact design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals FPM

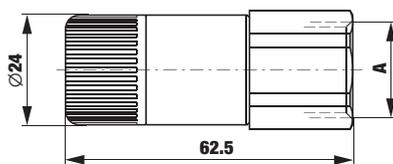
- EPDM
- FFKM
- FPM – FDA compliant
- EPDM – FDA compliant

See page 34 for information on choosing a seal.

Variants without valve OV available upon request.

Quick Action Coupling

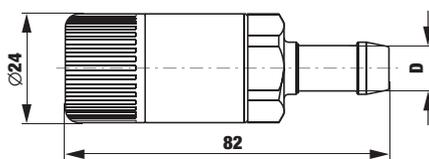
with female thread



with male thread



with hose stem



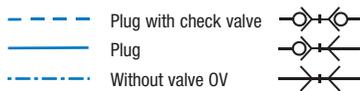
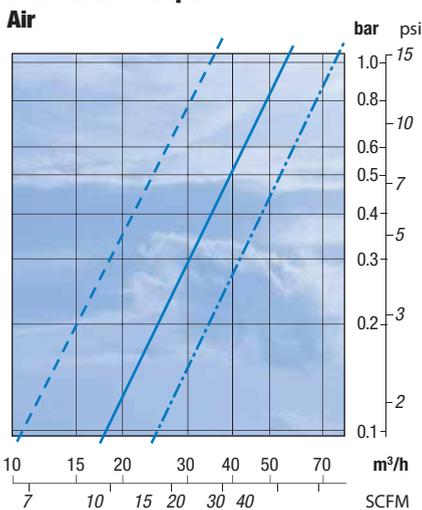
| A | Part No. |
|--------|------------|
| G1/8 | 303 00 588 |
| G1/4 | 303 00 589 |
| NPT1/4 | 303 00 599 |
| G3/8 | 303 00 590 |
| NPT3/8 | 303 00 600 |
| G1/2 | 303 00 591 |

| | |
|--------|------------|
| G1/4 | 303 00 592 |
| NPT1/4 | 303 00 601 |
| G3/8 | 303 00 593 |
| NPT3/8 | 303 00 602 |
| G1/2 | 303 00 594 |

| D | Part No. |
|------------|------------|
| 6 mm 1/4" | 303 00 595 |
| 8 mm 5/16" | 303 00 596 |
| 10 mm 3/8" | 303 00 597 |
| 13 mm 1/2" | 303 00 598 |

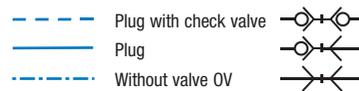
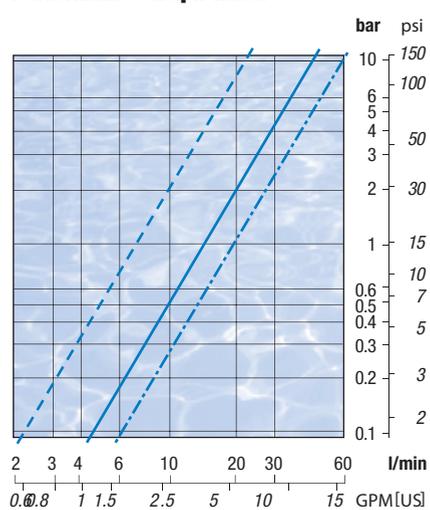
◀ Can be delivered on short-notice

Performance Graph

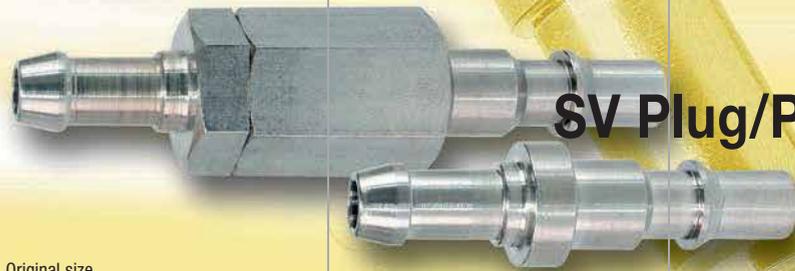


Pressure difference P in bar and psi

Performance Graph Water



Pressure difference P in bar and psi



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SV Plug/Plug with Check Valve

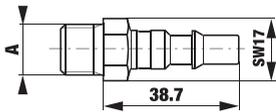
DN6 1/4"



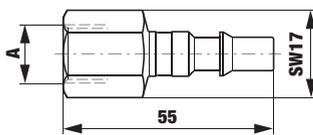
Original size

Plug

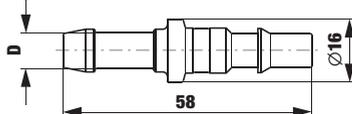
← with male thread



← with female thread

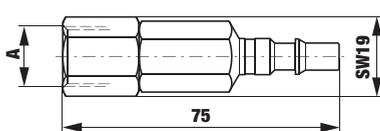


← with hose stem

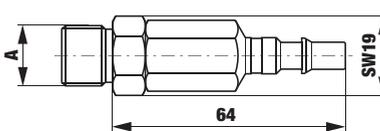


Plug with check valve

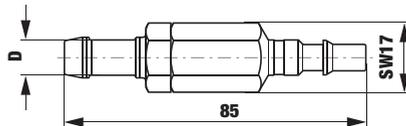
⊙ with female thread



⊙ with male thread



⊙ with hose stem



| A | Part No. | |
|--------|------------|---|
| G1/8 | 355 00 125 | |
| G1/4 | 355 00 126 | ◀ |
| NPT1/4 | 355 00 129 | |
| G3/8 | 355 00 127 | ◀ |
| NPT3/8 | 355 00 130 | |

| | | |
|--------|------------|---|
| G1/8 | 355 00 123 | |
| G1/4 | 355 00 124 | ◀ |
| NPT1/4 | 355 00 208 | |
| NPT3/8 | 355 00 264 | |

| D | | Part No. | |
|-------|-------|------------|---|
| 6 mm | 1/4" | 355 00 102 | |
| 8 mm | 5/16" | 355 00 103 | ◀ |
| 10 mm | 3/8" | 355 00 104 | ◀ |
| 13 mm | 1/2" | 355 00 105 | |

| A | Part No. | |
|--------|------------|---|
| G1/4 | 353 00 117 | ◀ |
| NPT1/4 | 353 00 309 | |
| G3/8 | 353 00 118 | |
| NPT3/8 | 353 00 310 | |

| | | |
|--------|------------|---|
| G1/4 | 353 00 119 | ◀ |
| NPT1/4 | 353 00 311 | |
| G3/8 | 353 00 120 | |
| NPT3/8 | 353 00 312 | |

| D | | Part No. | |
|-------|-------|------------|---|
| 6 mm | 1/4" | 353 00 121 | |
| 8 mm | 5/16" | 353 00 122 | ◀ |
| 10 mm | 3/8" | 353 00 123 | ◀ |
| 13 mm | 1/2" | 353 00 313 | |

◀ Can be delivered on short-notice

Features

- Complies with ISO 6150-C-10
- Manufactured from high-quality materials

Plug with check valve
• No plug-side backflow

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals FPM

 EPDM
 FFKM
 FPM – FDA compliant
 EPDM – FDA compliant
See page 34 for information on choosing a seal.

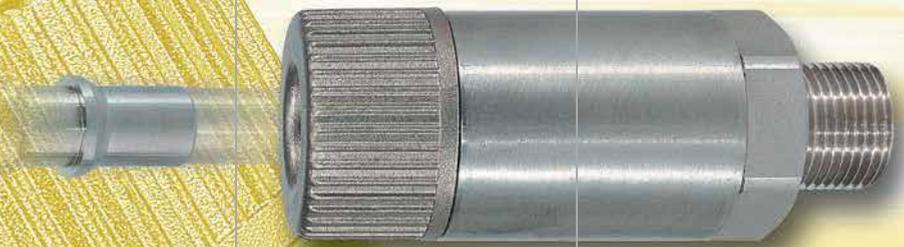


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SV 2-Stage

DN8

3/8"



Original size

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Complies with ISO 6150-C-14
- Simple operation – minimal connection force needed
- Manufactured from high-quality materials
- Compact design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals

FPM

EPDM

FFKM

FPM – FDA compliant

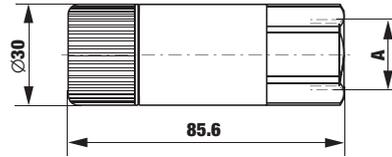
EPDM – FDA compliant

See page 34 for information on choosing a seal.

Variants without valve OV available upon request.

Quick Action Coupling

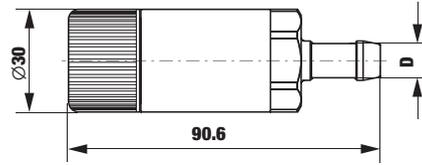
with female thread



with male thread



with hose stem



| A | Part No. |
|--------|------------|
| G1/4 | 303 00 300 |
| G3/8 | 303 00 603 |
| NPT3/8 | 303 00 605 |
| G1/2 | 303 00 604 |
| NPT1/2 | 303 00 606 |

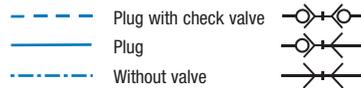
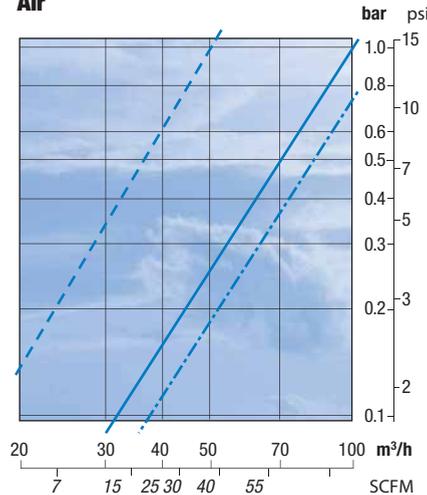
| | |
|--------|------------|
| G3/8 | 303 00 607 |
| NPT3/8 | 303 00 609 |
| G1/2 | 303 00 608 |
| NPT1/2 | 303 00 610 |

| D | Part No. |
|------------|------------|
| 8 mm 5/16" | 303 00 611 |
| 10 mm 3/8" | 303 00 612 |
| 13 mm 1/2" | 303 00 613 |
| 16 mm 5/8" | 303 00 614 |

◀ Can be delivered on short-notice

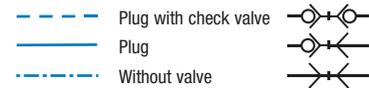
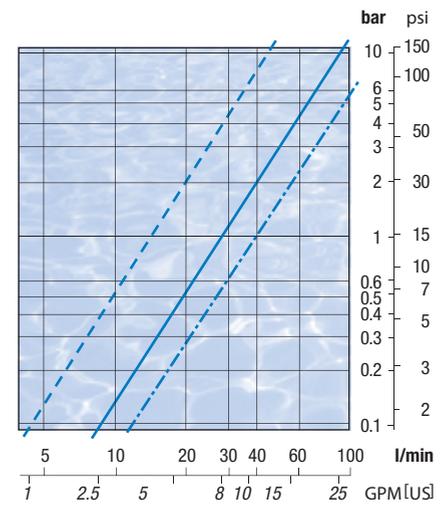
Performance Graph

Air



Pressure difference P in bar and psi

Performance Graph Water



Pressure difference P in bar and psi



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SV Plug/Plug with Check Valve

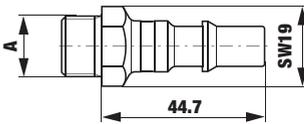
DN8 3/8"



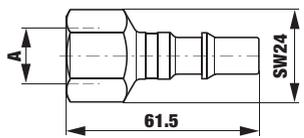
Original size

Plug

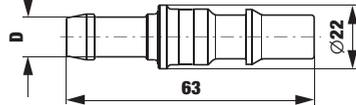
← with male thread



← with female thread

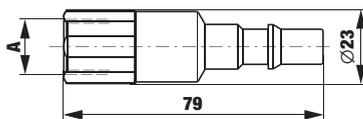


← with hose stem

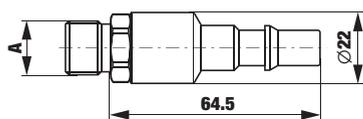


Plug with check valve

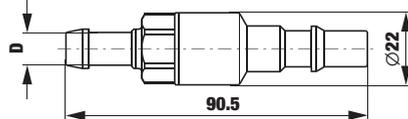
← with female thread



← with male thread



← with hose stem



| A | Part No. |
|--------|------------|
| G1/4 | 355 00 090 |
| NPT1/4 | 355 00 092 |
| G3/8 | 355 00 091 |
| NPT3/8 | 355 00 093 |

| | |
|--------|------------|
| G1/4 | 355 00 088 |
| NPT1/4 | 355 00 094 |
| G3/8 | 355 00 089 |
| NPT3/8 | 355 00 095 |
| NPT1/2 | 355 00 359 |

| D | Part No. |
|------------|------------|
| 8 mm 5/16" | 355 00 096 |
| 10 mm 3/8" | 355 00 097 |
| 13 mm 1/2" | 355 00 098 |
| 16 mm 5/8" | 355 00 099 |

| A | Part No. |
|--------|------------|
| G3/8 | 353 00 100 |
| NPT3/8 | 353 00 314 |

| | |
|--------|------------|
| G3/8 | 353 00 102 |
| NPT3/8 | 353 00 315 |

| D | Part No. |
|------------|------------|
| 10 mm 3/8" | 353 00 104 |
| 13 mm 1/2" | 353 00 106 |

◀ Can be delivered on short-notice

Features

- Complies with ISO 6150-C-14
- Manufactured from high-quality materials

Plug with check valve
• No plug-side backflow

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

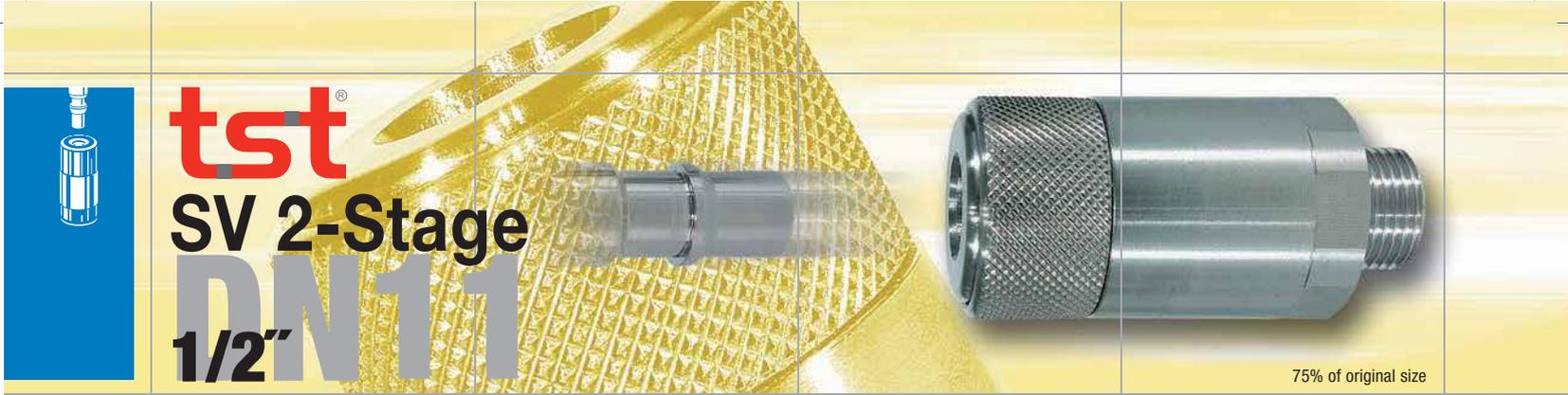
Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals FPM
EPDM
FFKM
FPM – FDA compliant
EPDM – FDA compliant
See page 34 for information on choosing a seal.



tst[®]

SV 2-Stage

DN 11

1/2"

75% of original size

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Complies with ISO 6150-C-14
- Simple operation – minimal connection force needed
- Manufactured from high-quality materials
- Compact design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals FPM

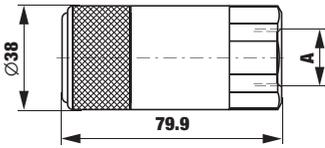
- EPDM
- FFKM
- FPM – FDA compliant
- EPDM – FDA compliant

See page 34 for information on choosing a seal.

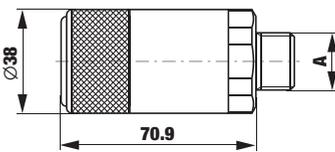
Variants without valve OV available upon request.

Quick Action Coupling

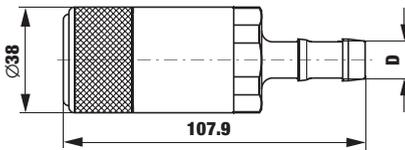
with female thread



with male thread



with hose stem



| A | Part No. |
|--------|------------|
| G3/8 | 303 00 615 |
| NPT3/8 | 303 00 618 |
| G1/2 | 303 00 616 |
| NPT1/2 | 303 00 619 |
| G3/4 | 303 00 617 |
| NPT3/4 | 303 00 620 |

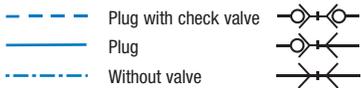
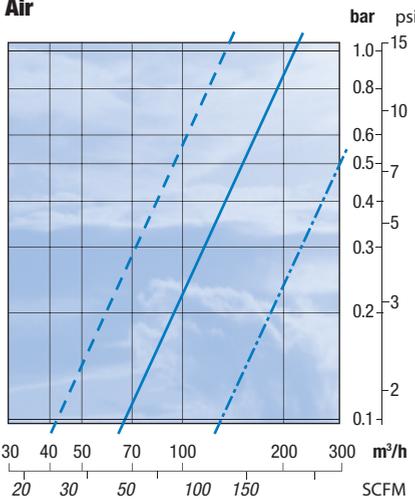
| | |
|--------|------------|
| G3/8 | 303 00 621 |
| NPT3/8 | 303 00 625 |
| G1/2 | 303 00 622 |
| NPT1/2 | 303 00 626 |
| G3/4 | 303 00 623 |
| NPT3/4 | 303 00 627 |
| G1 | 303 00 624 |

| D | Part No. |
|------------|------------|
| 13 mm 1/2" | 303 00 628 |
| 16 mm 5/8" | 303 00 154 |
| 19 mm 3/4" | 303 00 156 |

◀ Can be delivered on short-notice

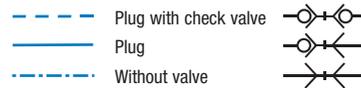
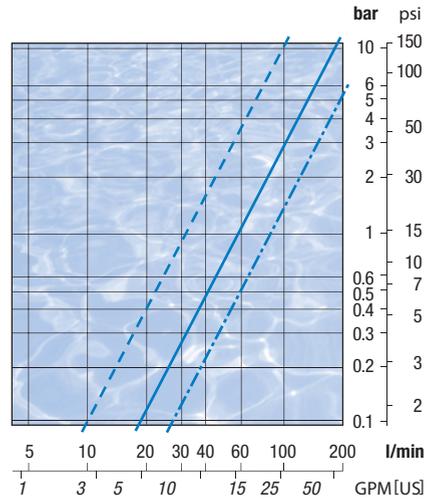
Performance Graph

Air



Pressure difference P in bar and psi

Performance Graph Water



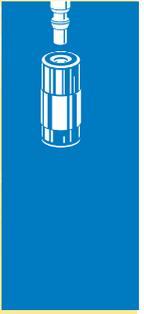
Pressure difference P in bar and psi



tst[®]

SV Plug/Plug with Check Valve

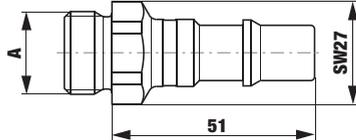
DN11 1/2"



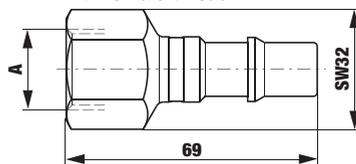
75% of original size

Plug

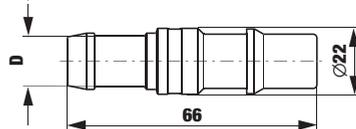
← with male thread



← with female thread

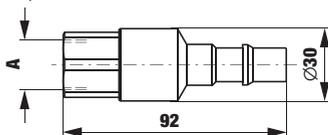


← with hose stem

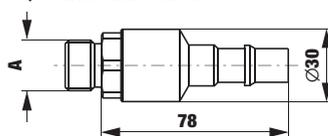


Plug with check valve

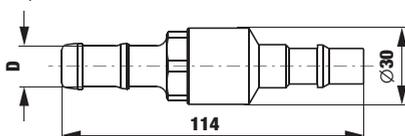
← with female thread



← with male thread



← with hose stem



| A | Part No. |
|--------|------------|
| G3/8 | 355 00 110 |
| G1/2 | 355 00 111 |
| NPT1/2 | 355 00 117 |
| G3/4 | 355 00 112 |
| NPT3/4 | 355 00 118 |

| | |
|--------|------------|
| G3/8 | 355 00 107 |
| NPT3/8 | 355 00 113 |
| G1/2 | 355 00 108 |
| NPT1/2 | 355 00 114 |
| G3/4 | 355 00 109 |
| NPT3/4 | 355 00 115 |

| D | Part No. |
|------------|------------|
| 10 mm 3/8" | 355 00 119 |
| 13 mm 1/2" | 355 00 120 |
| 16 mm 5/8" | 355 00 121 |
| 19 mm 3/4" | 355 00 122 |

| A | Part No. |
|--------|------------|
| G3/8 | 353 00 316 |
| NPT3/8 | 353 00 318 |
| G1/2 | 353 00 317 |
| NPT1/2 | 353 00 319 |

| | |
|--------|------------|
| G3/8 | 353 00 320 |
| NPT3/8 | 353 00 322 |
| G1/2 | 353 00 268 |
| NPT1/2 | 353 00 323 |
| G3/4 | 353 00 321 |

| D | Part No. |
|------------|------------|
| 13 mm 1/2" | 353 00 324 |
| 16 mm 5/8" | 353 00 147 |
| 19 mm 3/4" | 353 00 222 |

◀ Can be delivered on short-notice

Features

- Complies with ISO 6150-C-14
- Manufactured from high-quality materials

Plug with check valve
• No plug-side backflow

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals FPM

EPDM
FFKM
FPM – FDA compliant
EPDM – FDA compliant

See page 34 for information on choosing a seal.



tst[®] SV 2-Stage Heavy-Duty 1/2"



75% of original size

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Simple operation – minimal connection force needed
- Manufactured from high-quality materials
- Compact design
- Extremely robust design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals FPM

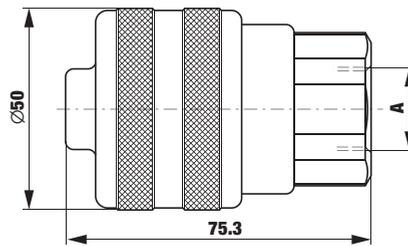
EPDM
FFKM

See page 34 for information on choosing a seal.

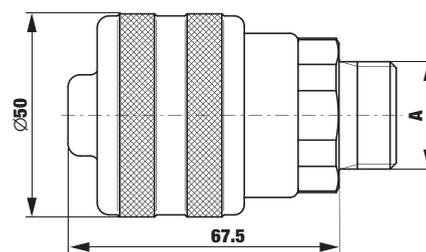
Variants without valve OV available upon request.

Quick Action Coupling

— with female thread



— with male thread



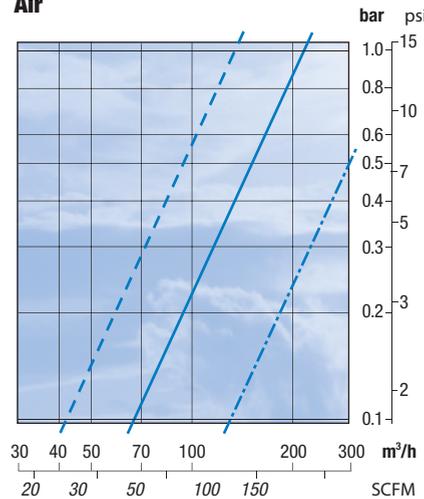
| A | Part No. |
|--------|------------|
| G3/8 | 303 00 629 |
| NPT3/8 | 303 00 631 |
| G1/2 | 303 00 206 |
| NPT1/2 | 303 00 632 |
| G3/4 | 303 00 630 |
| NPT3/4 | 303 00 633 |

| | |
|--------|------------|
| G3/8 | 303 00 634 |
| NPT3/8 | 303 00 638 |
| G1/2 | 303 00 635 |
| NPT1/2 | 303 00 639 |
| G3/4 | 303 00 636 |
| NPT3/4 | 303 00 640 |
| G1 | 303 00 637 |

◀ Can be delivered on short-notice

Performance Graph

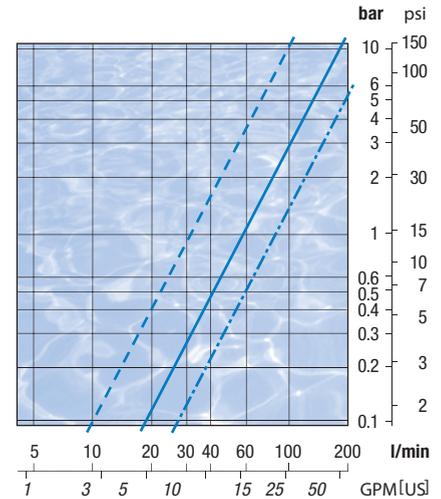
Air



--- Plug with check valve
 — Plug
 - · - Without valve

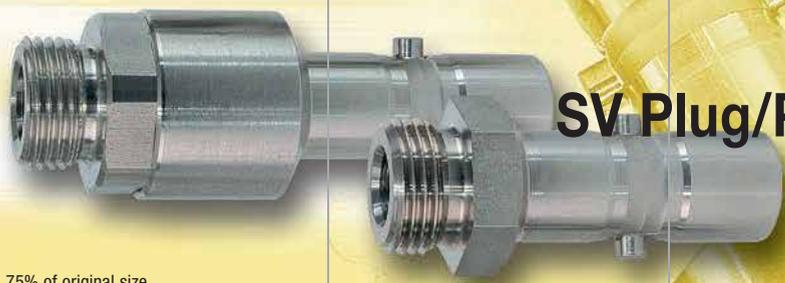
Pressure difference P in bar and psi

Performance Graph Water



--- Plug with check valve
 — Plug
 - · - Without valve

Pressure difference P in bar and psi



tst

SV Plug/Plug with Check Valve

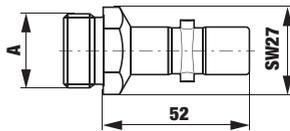
Heavy-Duty DN 1 1/2"



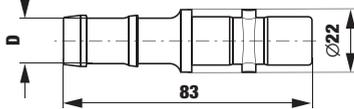
75% of original size

Plug

← with male thread

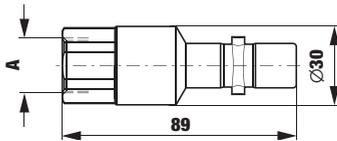


← with hose tail

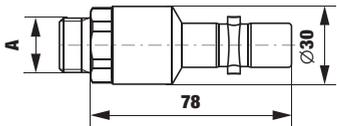


Plug with check valve

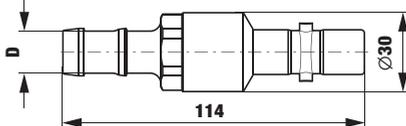
↻ with female thread



↻ with male thread



↻ with hose stem



| A | Part No. | |
|--------|------------|---|
| G3/8 | 355 00 135 | ◀ |
| G1/2 | 355 00 136 | ◀ |
| NPT1/2 | 355 00 285 | |
| G3/4 | 355 00 137 | ◀ |
| NPT3/4 | 355 00 340 | |

| D | | |
|------------|------------|---|
| 10 mm 3/8" | 355 00 131 | |
| 13 mm 1/2" | 355 00 132 | ◀ |
| 16 mm 5/8" | 355 00 133 | ◀ |
| 19 mm 3/4" | 355 00 134 | |

| A | Part No. | |
|--------|------------|---|
| G3/8 | 353 00 226 | |
| NPT3/8 | 353 00 325 | |
| G1/2 | 353 00 015 | ◀ |
| NPT1/2 | 353 00 326 | |

| | | |
|--------|------------|---|
| G3/8 | 353 00 327 | |
| NPT3/8 | 353 00 330 | |
| G1/2 | 353 00 328 | ◀ |
| NPT1/2 | 353 00 331 | |
| G3/4 | 353 00 329 | |

| D | | |
|------------|------------|---|
| 13 mm 1/2" | 353 00 332 | ◀ |
| 16 mm 5/8" | 353 00 333 | ◀ |
| 19 mm 3/4" | 353 00 273 | |

◀ Can be delivered on short-notice

Features

- Manufactured from high-quality materials
- Extremely robust design

Plug with check valve
• No plug-side backflow

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

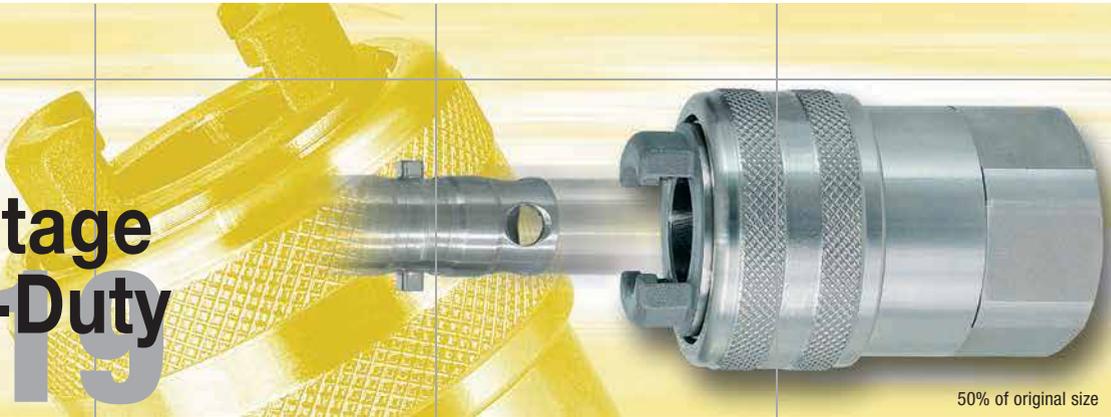
Seals FPM

EPDM

See page 34 for information on choosing a seal.



tst[®] SV 2-Stage Heavy-Duty 3/4" NPT



50% of original size

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Simple operation – minimal connection
- Manufactured from high-quality materials
- Compact design
- Extremely robust design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

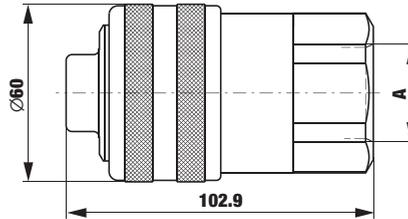
Seals FPM
EPDM
FFKM

See page 34 for information on choosing a seal.

Variants without valve OV available upon request.

Quick Action Coupling

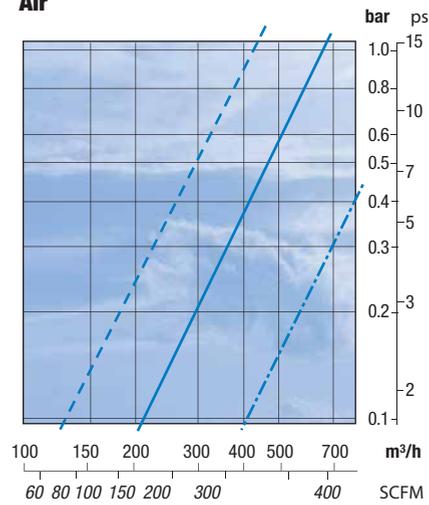
— with female thread



| A | Part No. |
|--------|------------|
| G3/4 | 303 00 641 |
| NPT3/4 | 303 00 643 |
| G1 | 303 00 642 |
| NPT1 | 303 00 644 |

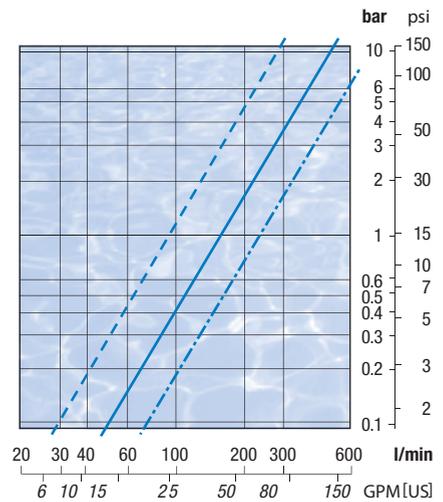
◀ Can be delivered on short-notice

Performance Graph Air



--- Plug with check valve
 — Plug
 - - - Without valve
 Pressure difference P in bar and psi

Performance Graph Water



--- Plug with check valve
 — Plug
 - - - Without valve
 Pressure difference P in bar and psi



tst

SV Plug/Plug with Check Valve

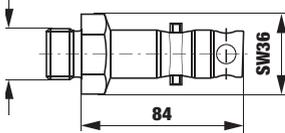
Heavy-Duty DN 1 3/4"



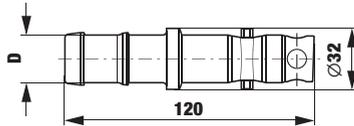
50% of original size

Plug

← with male thread

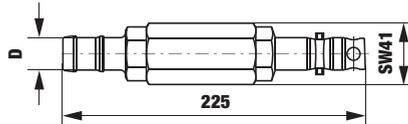


← with hose stem



Plug with check valve

← with hose stem



| A | Part No. |
|--------|------------|
| G3/4 | 355 00 279 |
| NPT3/4 | 355 00 341 |
| G1 | 355 00 280 |
| NPT1 | 355 00 342 |

| D | Part No. |
|------------|------------|
| 19 mm 3/4" | 355 00 281 |
| 25 mm 1" | 355 00 282 |

| D | Part No. |
|------------|------------|
| 19 mm 3/4" | 353 00 219 |
| 25 mm 1" | 353 00 218 |

◀ Can be delivered on short-notice

Features

- Manufactured from high-quality materials
- Extremely robust design

Plug with check valve

- No plug-side backflow

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals FPM
See page 34 for information on choosing a seal.



tst[®]

SV 2-Stage

Non-Interchangeable

Key D

1/4"

Original size

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Simple operation – minimal connection force needed
- Manufactured from high-quality materials
- Compact design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals

FPM

EPDM

FFKM

FPM – FDA compliant

EPDM – FDA compliant

See page 34 for information on choosing a seal.

Variants without valve OV available upon request.

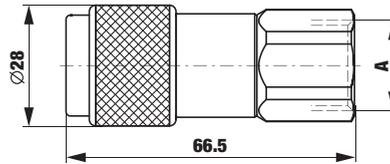
Key



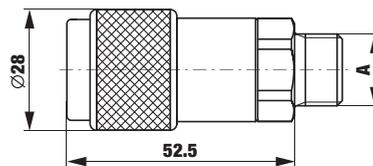
D

Quick Action Coupling

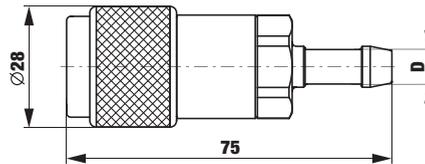
with female thread



with male thread



with hose stem



| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/8 | ● 303 00 645 | 303 00 729 |
| G1/4 | ● 303 00 388 | 303 00 730 ◀ |
| NPT1/4 | ● 303 00 487 | 303 00 733 |
| G3/8 | ● 303 00 389 | 303 00 731 ◀ |
| NPT3/8 | ● 303 00 646 | 303 00 734 |
| G1/2 | ● 303 00 390 | 303 00 732 ◀ |

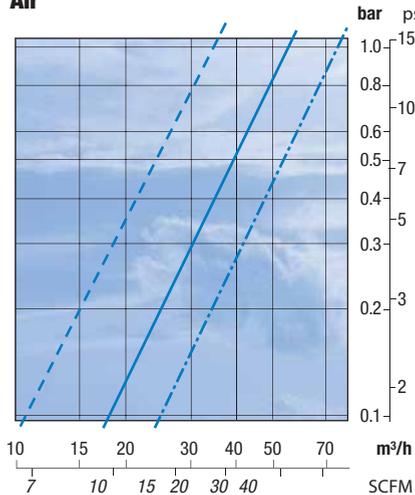
| | | |
|--------|--------------|--------------|
| G1/4 | ● 303 00 391 | 303 00 735 ◀ |
| NPT1/4 | ● 303 00 488 | 303 00 738 ◀ |
| G3/8 | ● 303 00 392 | 303 00 736 ◀ |
| NPT3/8 | ● 303 00 648 | 303 00 739 |
| G1/2 | ● 303 00 647 | 303 00 737 ◀ |

| D | coloured | blank |
|------------|--------------|--------------|
| 6 mm 1/4" | ● 303 00 393 | 303 00 740 |
| 8 mm 5/16" | ● 303 00 394 | 303 00 741 ◀ |
| 10 mm 3/8" | ● 303 00 395 | 303 00 742 ◀ |
| 13 mm 1/2" | ● 303 00 649 | 303 00 743 |

◀ Can be delivered on short-notice

Performance Graph

Air

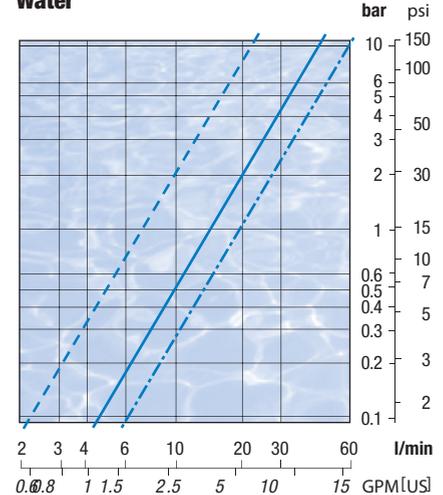


--- Plug with check valve
— Plug
- - - Without valve

Pressure difference P in bar and psi

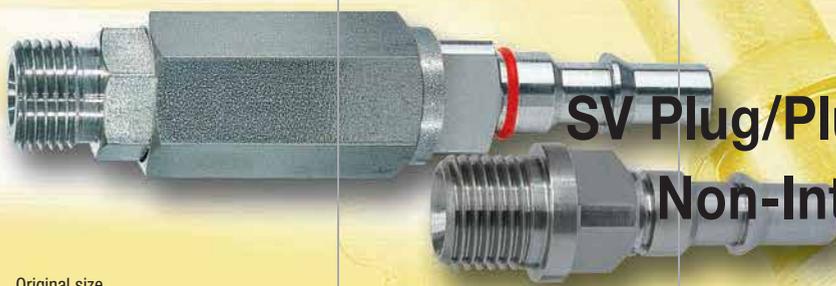
Performance Graph

Water



--- Plug with check valve
— Plug
- - - Without valve

Pressure difference P in bar and psi



tst[®]

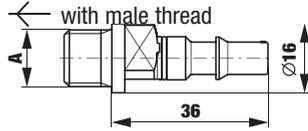
SV Plug/Plug with Check Valve

Non-Interchangeable Key D 1/4"

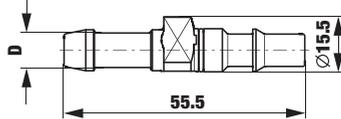


Original size

Plug

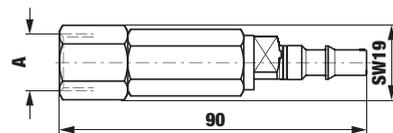


with hose stem

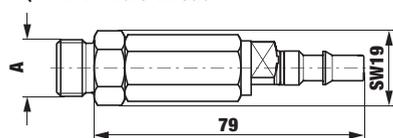


Plug with check valve

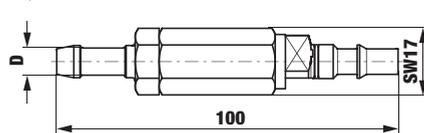
with female thread



with male thread



with hose stem



| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/8 | ● 355 00 296 | 390 00 305 |
| G1/4 | ● 355 00 297 | 390 00 306 ◀ |
| NPT1/4 | ● 355 00 343 | 390 00 364 |

| D | coloured | blank |
|------------|--------------|------------|
| 6 mm 1/4" | ● 355 00 298 | 390 00 307 |
| 8 mm 5/16" | ● 355 00 299 | 390 00 308 |
| 10 mm 3/8" | ● 355 00 300 | 390 00 309 |

Features

- Manufactured from high-quality materials
- Mixing of different media is impossible as connection is only possible with plug with identical key profile

Plug with check valve

- No plug-side backflow

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/4 | ● 353 00 253 | 353 00 359 ◀ |
| NPT1/4 | ● 353 00 293 | 353 00 383 |
| G3/8 | ● 353 00 254 | 353 00 367 |
| NPT3/8 | ● 353 00 294 | 353 00 395 |

| | | |
|--------|--------------|--------------|
| G1/4 | ● 353 00 255 | 353 00 355 ◀ |
| NPT1/4 | ● 353 00 295 | 353 00 387 |
| G3/8 | ● 353 00 256 | 353 00 363 |
| NPT3/8 | ● 353 00 296 | 353 00 391 |

| D | coloured | blank |
|------------|--------------|--------------|
| 6 mm 1/4" | ● 353 00 257 | 353 00 375 |
| 8 mm 5/16" | ● 353 00 258 | 353 00 379 ◀ |
| 10 mm 3/8" | ● 353 00 259 | 353 00 371 ◀ |

Seals FPM

EPDM
FFKM
FPM – FDA compliant
EPDM – FDA compliant

See page 34 for information on choosing a seal.

◀ Can be delivered on short-notice

Key



D



tst[®]

SV 2-Stage

Non-Interchangeable
1/4" NPT

Key F

Original size

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Simple operation – minimal connection force needed
- Manufactured from high-quality materials
- Compact design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals

FPM

EPDM

FFKM

FPM – FDA compliant

EPDM – FDA compliant

See page 34 for information on choosing a seal.

Variants without valve OV available upon request.

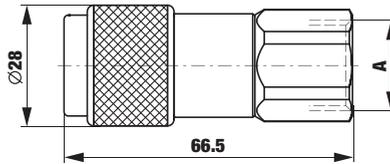
Key



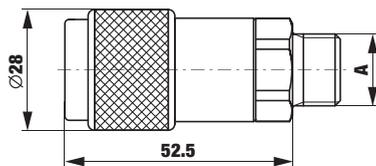
F

Quick Action Coupling

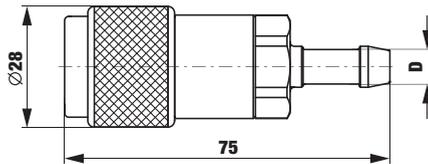
with female thread



with male thread



with hose stem



| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/8 | 303 00 650 | 303 00 714 |
| G1/4 | 303 00 372 | 303 00 715 ◀ |
| NPT1/4 | 303 00 489 | 303 00 718 |
| G3/8 | 303 00 373 | 303 00 716 ◀ |
| NPT3/8 | 303 00 651 | 303 00 719 |
| G1/2 | 303 00 374 | 303 00 717 ◀ |

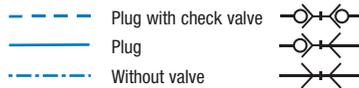
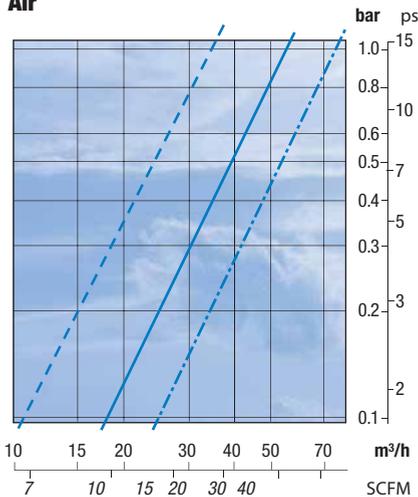
| | | |
|--------|------------|--------------|
| G1/4 | 303 00 375 | 303 00 720 ◀ |
| NPT1/4 | 303 00 490 | 303 00 723 |
| G3/8 | 303 00 376 | 303 00 721 ◀ |
| NPT3/8 | 303 00 653 | 303 00 724 |
| G1/2 | 303 00 652 | 303 00 722 ◀ |

| D | coloured | blank |
|------------|------------|--------------|
| 6 mm 1/4" | 303 00 377 | 303 00 725 |
| 8 mm 5/16" | 303 00 378 | 303 00 726 ◀ |
| 10 mm 3/8" | 303 00 379 | 303 00 727 ◀ |
| 13 mm 1/2" | 303 00 654 | 303 00 728 |

◀ Can be delivered on short-notice

Performance Graph

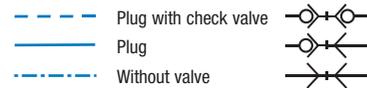
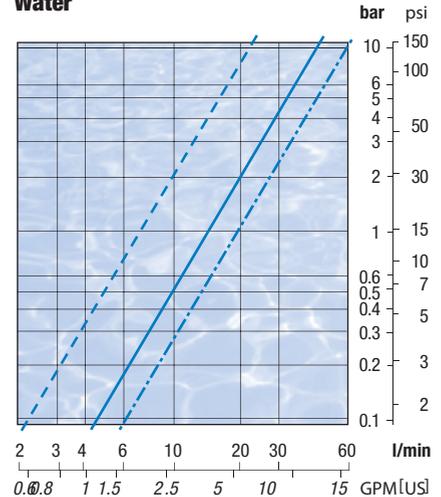
Air



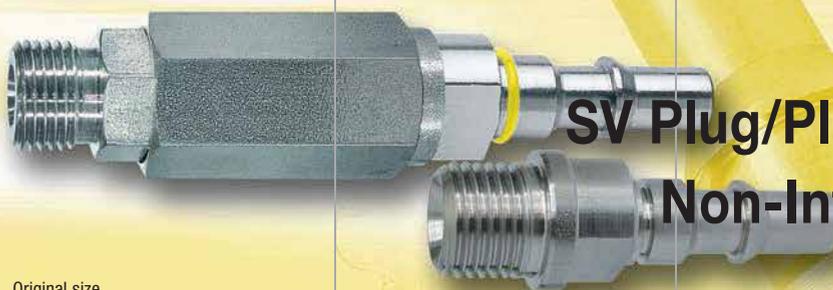
Pressure difference P in bar and psi

Performance Graph

Water



Pressure difference P in bar and psi



tst[®]

SV Plug/Plug with Check Valve

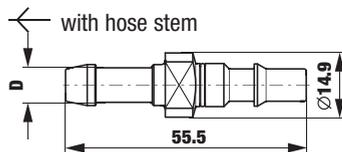
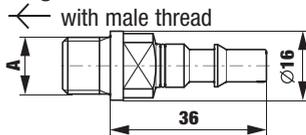
Non-Interchangeable Key F

DN 1/4"

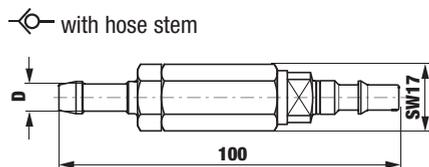
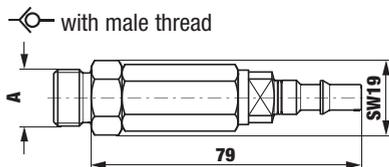
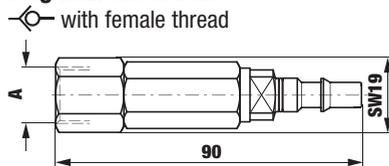


Original size

Plug



Plug with check valve



| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/8 | ● 355 00 286 | 390 00 295 |
| G1/4 | ● 355 00 287 | 390 00 296 ◀ |
| NPT1/4 | ● 355 00 344 | 390 00 365 |

| D | farbig | blank |
|------------|--------------|--------------|
| 6 mm 1/4" | ● 355 00 288 | 390 00 297 |
| 8 mm 5/16" | ● 355 00 289 | 390 00 298 ◀ |
| 10 mm 3/8" | ● 355 00 290 | 390 00 299 ◀ |

| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/4 | ● 353 00 239 | 353 00 360 ◀ |
| NPT1/4 | ● 353 00 297 | 353 00 388 |
| G3/8 | ● 353 00 240 | 353 00 368 |
| NPT3/8 | ● 353 00 298 | 353 00 396 |

| | | |
|--------|--------------|--------------|
| G1/4 | ● 353 00 241 | 353 00 356 ◀ |
| NPT1/4 | ● 353 00 299 | 353 00 384 |
| G3/8 | ● 353 00 242 | 353 00 364 |
| NPT3/8 | ● 353 00 300 | 353 00 392 |

| D | coloured | blank |
|------------|--------------|--------------|
| 6 mm 1/4" | ● 353 00 243 | 353 00 376 |
| 8 mm 5/16" | ● 353 00 244 | 353 00 380 ◀ |
| 10 mm 3/8" | ● 353 00 245 | 353 00 372 ◀ |

◀ Can be delivered on short-notice

Features

- Manufactured from high-quality materials
- Mixing of different media is impossible as connection is only possible with plug with identical key profile

Plug with check valve

- No plug-side backflow

Temperature Range

-15° to +200°C (FPM)

+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions.

When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals FPM

EPDM

FFKM

FPM – FDA compliant

EPDM – FDA compliant

See page 34 for information on choosing a seal.

Key



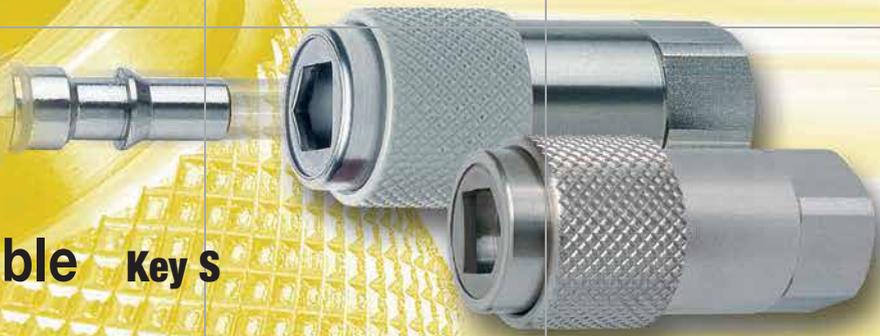
F



tst

SV 2-Stage

Non-Interchangeable Key S
1/4"



Original size

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Simple operation – minimal connection force needed
- Manufactured from high-quality materials
- Compact design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals

FPM

EPDM

FFKM

FPM – FDA compliant

EPDM – FDA compliant

See page 34 for information on choosing a seal.

Variants without valve OV available upon request.

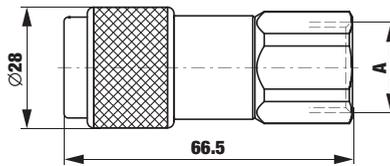
Key



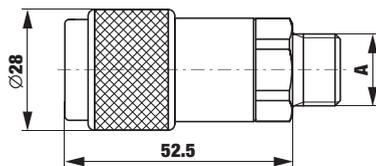
S

Quick Action Coupling

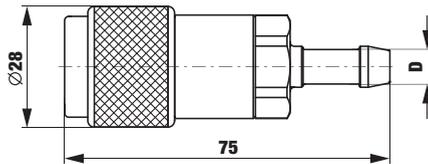
with female thread



with male thread



with hose stem



| A | Part No. coloured | Part No blank |
|--------|-------------------|---------------|
| G1/8 | ● 303 00 655 | 303 00 744 |
| G1/4 | ● 303 00 396 | 303 00 745 ◀ |
| NPT1/4 | ● 303 00 491 | 303 00 748 |
| G3/8 | ● 303 00 397 | 303 00 746 ◀ |
| NPT3/8 | ● 303 00 656 | 303 00 749 |
| G1/2 | ● 303 00 398 | 303 00 747 |

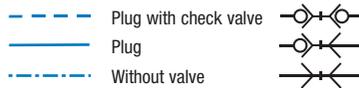
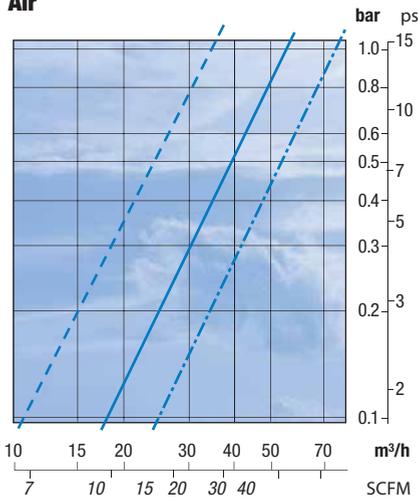
| | | |
|--------|--------------|--------------|
| G1/4 | ● 303 00 399 | 303 00 750 ◀ |
| NPT1/4 | ● 303 00 492 | 303 00 753 |
| G3/8 | ● 303 00 400 | 303 00 751 ◀ |
| NPT3/8 | ● 303 00 658 | 303 00 754 |
| G1/2 | ● 303 00 657 | 303 00 752 ◀ |

| D | coloured | blank |
|------------|--------------|--------------|
| 6 mm 1/4" | ● 303 00 401 | 303 00 755 |
| 8 mm 5/16" | ● 303 00 402 | 303 00 756 ◀ |
| 10 mm 3/8" | ● 303 00 403 | 303 00 757 ◀ |
| 13 mm 1/2" | ● 303 00 659 | 303 00 758 |

◀ Can be delivered on short-notice

Performance Graph

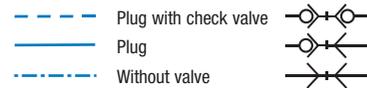
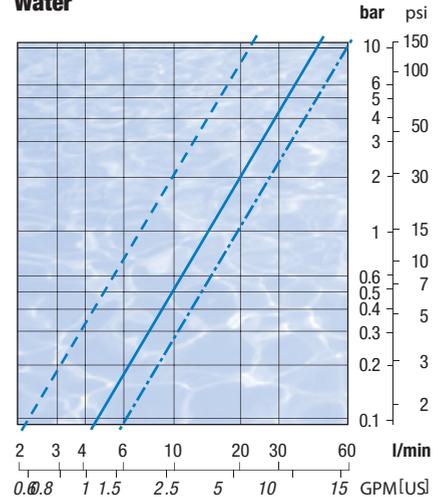
Air



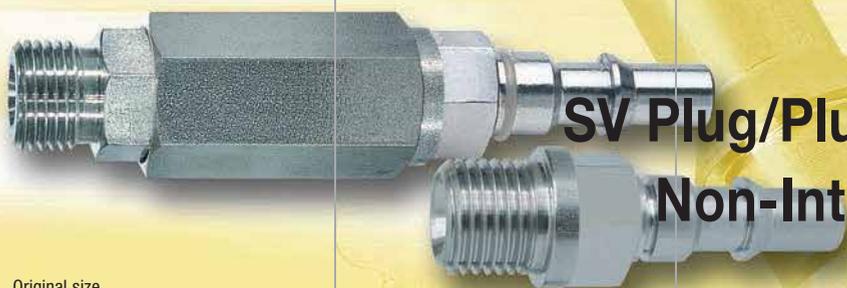
Pressure difference P in bar and psi

Performance Graph

Water



Pressure difference P in bar and psi



tst[®]

SV Plug/Plug with Check Valve

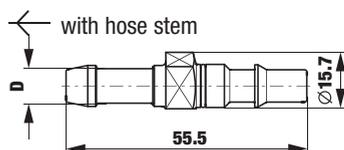
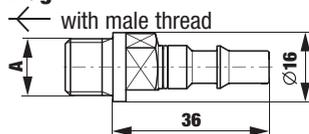
Non-Interchangeable Key s

1/4"

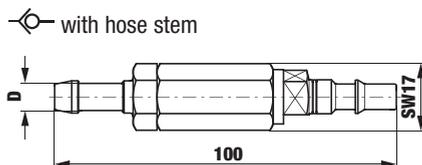
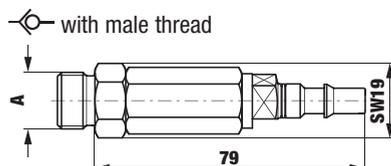
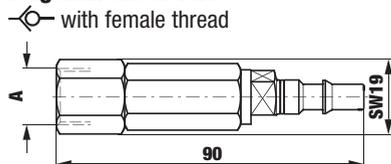


Original size

Plug



Plug with check valve



| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/8 | ● 355 00 306 | 390 00 310 |
| G1/4 | ● 355 00 307 | 390 00 311 ◀ |
| NPT1/4 | ● 355 00 345 | 390 00 366 |

| D | farbig | blank |
|------------|--------------|--------------|
| 6 mm 1/4" | ● 355 00 308 | 390 00 312 |
| 8 mm 5/16" | ● 355 00 309 | 390 00 313 ◀ |
| 10 mm 3/8" | ● 355 00 310 | 390 00 314 ◀ |

| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/4 | ● 353 00 260 | 353 00 361 ◀ |
| NPT1/4 | ● 353 00 301 | 353 00 389 |
| G3/8 | ● 353 00 261 | 353 00 369 |
| NPT3/8 | ● 353 00 302 | 353 00 397 |

| | | |
|--------|--------------|--------------|
| G1/4 | ● 353 00 262 | 353 00 357 ◀ |
| NPT1/4 | ● 353 00 303 | 353 00 385 |
| G3/8 | ● 353 00 263 | 353 00 365 |
| NPT3/8 | ● 353 00 304 | 353 00 393 |

| D | coloured | blank |
|------------|--------------|--------------|
| 6 mm 1/4" | ● 353 00 264 | 353 00 377 |
| 8 mm 5/16" | ● 353 00 265 | 353 00 381 ◀ |
| 10 mm 3/8" | ● 353 00 266 | 353 00 373 ◀ |

◀ Can be delivered on short-notice

Features

- Manufactured from high-quality materials
- Mixing of different media is impossible as connection is only possible with plug with identical key profile

Plug with check valve

- No plug-side backflow

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals FPM
EPDM
FFKM
FPM – FDA compliant
EPDM – FDA compliant
See page 34 for information on choosing a seal.

Key



S



Original size

tst[®]

SV 2-Stage

Non-Interchangeable Key V
1/4"

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Simple operation – minimal connection force needed
- Manufactured from high-quality materials
- Compact design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals

FPM

EPDM

FFKM

FPM – FDA compliant

EPDM – FDA compliant

See page 34 for information on choosing a seal.

Variants without valve OV available upon request.

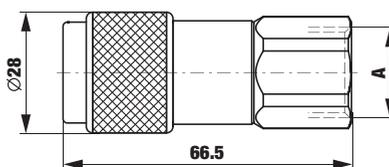
Key



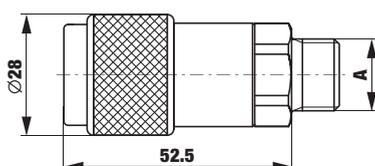
V

Quick Action Coupling

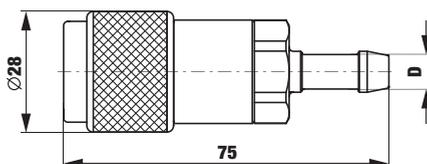
with female thread



with male thread



with hose stem



Part No. coloured blank

| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/8 | ● 303 00 660 | 303 00 699 |
| G1/4 | ● 303 00 380 | 303 00 700 ◀ |
| NPT1/4 | ● 303 00 493 | 303 00 703 |
| G3/8 | ● 303 00 381 | 303 00 701 ◀ |
| NPT3/8 | ● 303 00 661 | 303 00 704 |
| G1/2 | ● 303 00 382 | 303 00 702 ◀ |

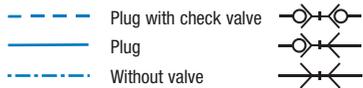
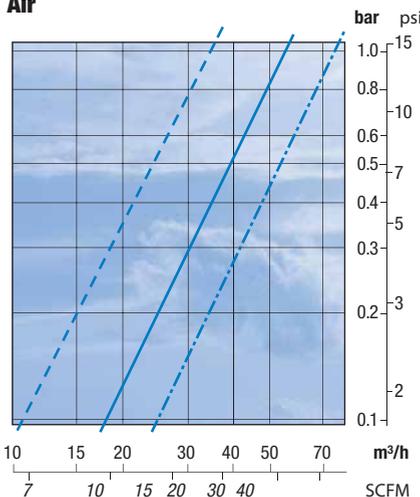
| | | |
|--------|--------------|--------------|
| G1/4 | ● 303 00 383 | 303 00 705 ◀ |
| NPT1/4 | ● 303 00 494 | 303 00 708 |
| G3/8 | ● 303 00 384 | 303 00 706 ◀ |
| NPT3/8 | ● 303 00 663 | 303 00 709 |
| G1/2 | ● 303 00 662 | 303 00 707 ◀ |

| D | coloured | blank |
|------------|--------------|--------------|
| 6 mm 1/4" | ● 303 00 385 | 303 00 710 |
| 8 mm 5/16" | ● 303 00 386 | 303 00 711 ◀ |
| 10 mm 3/8" | ● 303 00 387 | 303 00 712 ◀ |
| 13 mm 1/2" | ● 303 00 664 | 303 00 713 |

◀ Can be delivered on short-notice

Performance Graph

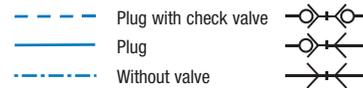
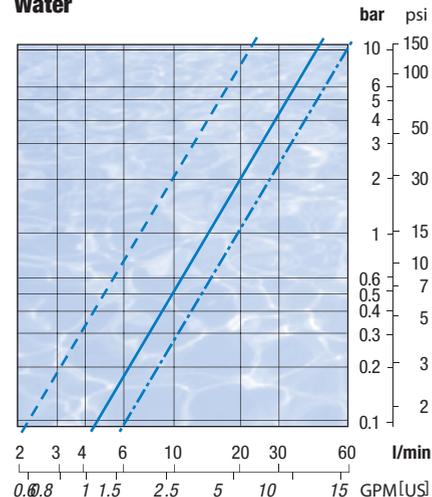
Air



Pressure difference P in bar and psi

Performance Graph

Water



Pressure difference P in bar and psi



tst[®]

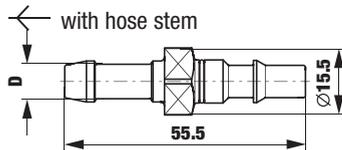
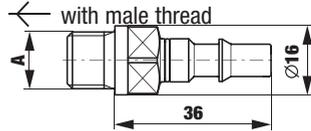
SV Plug/Plug with Check Valve

Non-Interchangeable Key V
DN 1/4"

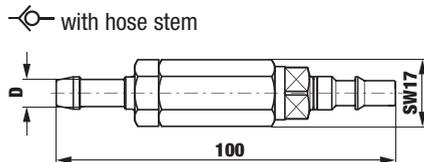
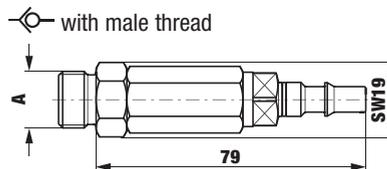
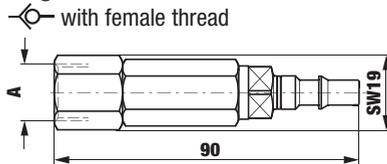


Original size

Plug



Plug with check valve



| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/8 | ● 355 00 291 | 390 00 300 |
| G1/4 | ● 355 00 292 | 390 00 301 ◀ |
| NPT1/4 | ● 355 00 346 | 390 00 367 |

| D | farbig | blank |
|------------|--------------|--------------|
| 6 mm 1/4" | ● 355 00 293 | 390 00 302 |
| 8 mm 5/16" | ● 355 00 294 | 390 00 303 ◀ |
| 10 mm 3/8" | ● 355 00 295 | 390 00 304 ◀ |

| A | Part No. coloured | Part No. blank |
|--------|-------------------|----------------|
| G1/4 | ● 353 00 246 | 353 00 362 ◀ |
| NPT1/4 | ● 353 00 305 | 353 00 390 |
| G3/8 | ● 353 00 247 | 353 00 370 |
| NPT3/8 | ● 353 00 306 | 353 00 398 |

| | | |
|--------|--------------|--------------|
| G1/4 | ● 353 00 248 | 353 00 358 ◀ |
| NPT1/4 | ● 353 00 307 | 353 00 386 |
| G3/8 | ● 353 00 249 | 353 00 366 |
| NPT3/8 | ● 353 00 308 | 353 00 394 |

| D | coloured | blank |
|------------|--------------|--------------|
| 6 mm 1/4" | ● 353 00 250 | 353 00 378 |
| 8 mm 5/16" | ● 353 00 251 | 353 00 382 ◀ |
| 10 mm 3/8" | ● 353 00 252 | 353 00 374 ◀ |

◀ Can be delivered on short-notice

Features

- Manufactured from high-quality materials
- Mixing of different media is impossible as connection is only possible with plug with identical key profile

Plug with check valve

- No plug-side backflow

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

Seals FPM

EPDM
FFKM
FPM – FDA compliant
EPDM – FDA compliant

See page 34 for information on choosing a seal.

Key



V



tst[®]

**SV 1-Stage Heavy-Duty
Non-Interchangeable
1/2" Keys 45°/ 90°/ 135°**

75% of original size

Features

- Simple operation- minimal connection force needed
- Manufactured from high-quality materials
- Compact design
- Extremely robust design

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

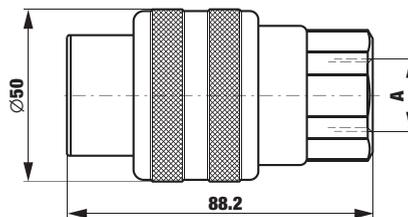
Seals FPM
EPDM
FFKM

See page 34 for information on choosing a seal.

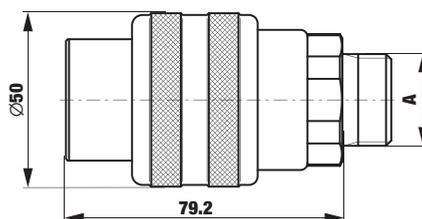
Variants without valve OV available upon request.

Quick Action Coupling

with female thread



with male thread



| A | Key | Part No. coloured | Part No. blank |
|--------|------|-------------------|----------------|
| G3/8 | 45° | 303 00 665 | 303 00 759 |
| G3/8 | 90° | 303 00 670 | 303 00 770 |
| G3/8 | 135° | 303 00 675 | 303 00 781 |
| G1/2 | 45° | 303 00 666 | 303 00 760 |
| G1/2 | 90° | 303 00 671 | 303 00 771 |
| G1/2 | 135° | 303 00 676 | 303 00 782 |
| NPT1/2 | 45° | 303 00 668 | 303 00 762 |
| NPT1/2 | 90° | 303 00 673 | 303 00 773 |
| NPT1/2 | 135° | 303 00 678 | 303 00 784 |
| G3/4 | 45° | 303 00 667 | 303 00 761 |
| G3/4 | 90° | 303 00 672 | 303 00 772 |
| G3/4 | 135° | 303 00 677 | 303 00 783 |
| NPT3/4 | 45° | 303 00 669 | 303 00 763 |
| NPT3/4 | 90° | 303 00 674 | 303 00 774 |
| NPT3/4 | 135° | 303 00 679 | 303 00 785 |

| A | Key | Part No. coloured | Part No. blank |
|--------|------|-------------------|----------------|
| G3/8 | 45° | 303 00 680 | 303 00 764 |
| G3/8 | 90° | 303 00 686 | 303 00 775 |
| G3/8 | 135° | 303 00 692 | 303 00 786 |
| NPT3/8 | 45° | 303 00 684 | 303 00 768 |
| NPT3/8 | 90° | 303 00 690 | 303 00 779 |
| NPT3/8 | 135° | 303 00 696 | 303 00 790 |
| G1/2 | 45° | 303 00 681 | 303 00 765 |
| G1/2 | 90° | 303 00 687 | 303 00 776 |
| G1/2 | 135° | 303 00 693 | 303 00 787 |
| NPT1/2 | 45° | 303 00 685 | 303 00 769 |
| NPT1/2 | 90° | 303 00 691 | 303 00 780 |
| NPT1/2 | 135° | 303 00 697 | 303 00 791 |
| G3/4 | 45° | 303 00 682 | 303 00 766 |
| G3/4 | 90° | 303 00 688 | 303 00 777 |
| G3/4 | 135° | 303 00 694 | 303 00 788 |
| G1 | 45° | 303 00 683 | 303 00 767 |
| G1 | 90° | 303 00 689 | 303 00 778 |
| G1 | 135° | 303 00 695 | 303 00 789 |

Key°, ◀ Can be delivered on short-notice

Key



45°

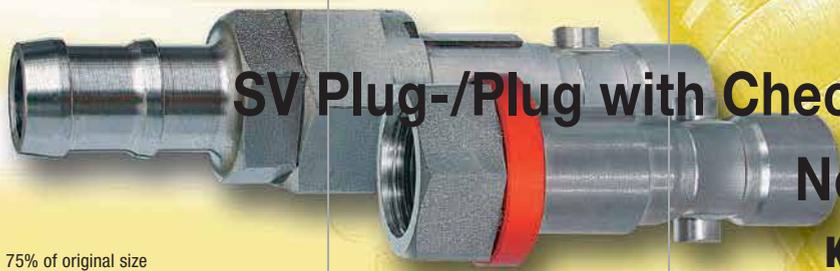


90°



135°

Performance Graph see page 14.



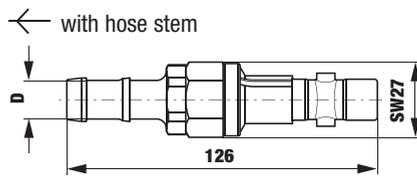
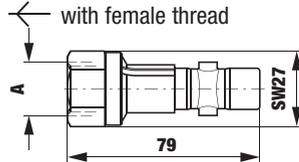
tst

SV Plug-/Plug with Check Valve Heavy-Duty Non-Interchangeable Keys 45°/ 90°/ 135° 1/2"

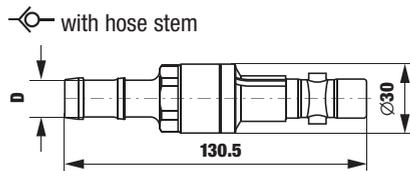
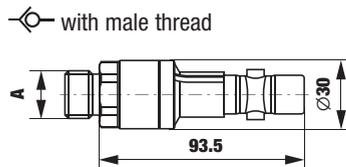
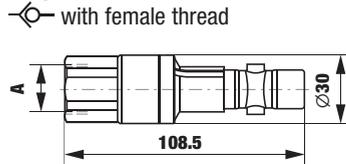
75% of original size



Plug



Plug with check valve



| A | ● | Part No. coloured | Part No blank |
|--------|------|-------------------|---------------|
| G1/2 | 45° | 355 00 347 | 390 00 361 ◀ |
| G1/2 | 90° | 355 00 351 | 390 00 362 ◀ |
| G1/2 | 135° | 355 00 355 | 390 00 363 ◀ |
| NPT1/2 | 45° | 355 00 348 | 390 00 357 |
| NPT1/2 | 90° | 355 00 352 | 390 00 358 |
| NPT1/2 | 135° | 355 00 356 | 390 00 359 |

| D | ● | Part No. coloured | Part No blank |
|------------|------|-------------------|---------------|
| 13 mm 1/2" | 45° | 355 00 349 | 355 00 360 |
| 13 mm 1/2" | 90° | 355 00 353 | 355 00 362 |
| 13 mm 1/2" | 135° | 355 00 357 | 355 00 364 |
| 19 mm 3/4" | 45° | 355 00 350 | 355 00 361 |
| 19 mm 3/4" | 90° | 355 00 354 | 355 00 363 |
| 19 mm 3/4" | 135° | 355 00 358 | 355 00 365 |

| A | ● | Part No. coloured | Part No blank |
|--------|------|-------------------|---------------|
| G1/2 | 45° | 353 00 334 | 353 00 402 ◀ |
| G1/2 | 90° | 353 00 341 | 353 00 403 ◀ |
| G1/2 | 135° | 353 00 348 | 353 00 404 ◀ |
| NPT1/2 | 45° | 353 00 335 | 353 00 417 |
| NPT1/2 | 90° | 353 00 342 | 353 00 418 |
| NPT1/2 | 135° | 353 00 349 | 353 00 419 |

| | | | |
|--------|------|------------|--------------|
| G1/2 | 45° | 353 00 336 | 353 00 399 ◀ |
| G1/2 | 90° | 353 00 343 | 353 00 400 ◀ |
| G1/2 | 135° | 353 00 350 | 353 00 401 ◀ |
| NPT1/2 | 45° | 353 00 337 | 353 00 414 |
| NPT1/2 | 90° | 353 00 344 | 353 00 415 |
| NPT1/2 | 135° | 353 00 351 | 353 00 416 |
| G3/4 | 45° | 353 00 338 | 353 00 405 |
| G3/4 | 90° | 353 00 345 | 353 00 406 |
| G3/4 | 135° | 353 00 352 | 353 00 407 |

| D | ● | Part No. coloured | Part No blank |
|------------|------|-------------------|---------------|
| 13 mm 1/2" | 45° | 353 00 339 | 353 00 408 ◀ |
| 13 mm 1/2" | 90° | 353 00 346 | 353 00 409 ◀ |
| 13 mm 1/2" | 135° | 353 00 353 | 353 00 410 ◀ |
| 19 mm 3/4" | 45° | 353 00 340 | 353 00 411 |
| 19 mm 3/4" | 90° | 353 00 347 | 353 00 412 |
| 19 mm 3/4" | 135° | 353 00 354 | 353 00 413 |

● Key°, ◀ Can be delivered on short-notice

Features

- Manufactured from high-quality materials
- Mixing of different media is impossible as connection is only possible with plug with identical key profile
- Extremely robust design

Plug with check valve

- No plug-side backflow

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

O-Ring FPM
EPDM
FFKM

See page 34 for information on choosing a seal.

Key





tst[®]

Swing Coupling SC

Series HB

1/2"



Original size

Features

- Complies with safety standard ISO 4414, EN 983
- Safety feature: 2-stage disconnection
- Plug complies with ISO 6150-B-17
- Full flow, minimal loss of pressure
- Simple operation, zero connection force needed
- Easy grip release ring
- Corrosion and ozone resistant

Temperature Range

-15° to +200°C (FPM)
+5° to +392°F

Operating Pressure

Up to 25bar (360psi), connection/disconnection up to 15 bar (200psi). Also suitable for technical vacuum up to 100mbar (3inHg).

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media are used TST should be consulted. Further customer validation is always encouraged.

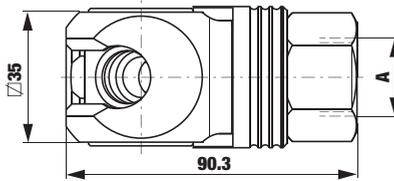
Seals

FPM

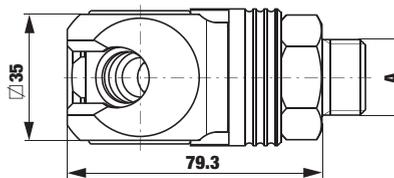
See page 34 for information on choosing a seal.

Quick Action Coupling

with female thread



with male thread



| A | Part No. |
|--------|------------|
| G1/2 | 205 00 685 |
| NPT1/2 | 205 00 687 |
| G3/4 | 205 00 684 |
| NPT3/4 | 205 00 686 |

| | |
|--------|------------|
| G1/2 | 205 00 743 |
| NPT1/2 | 205 00 745 |
| G3/4 | 205 00 744 |
| NPT3/4 | 205 00 746 |

◀ Can be delivered on short-notice

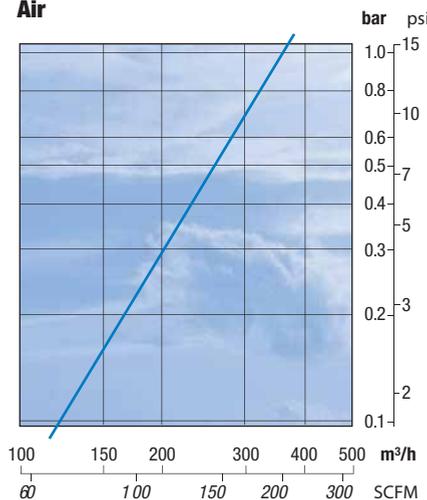
Compatible with

Industrial Interchange
AMFLO
Hansen
Foster
Parker
Prevost

1/2"
C10
520
5205
17
IRM 11

Performance Graph

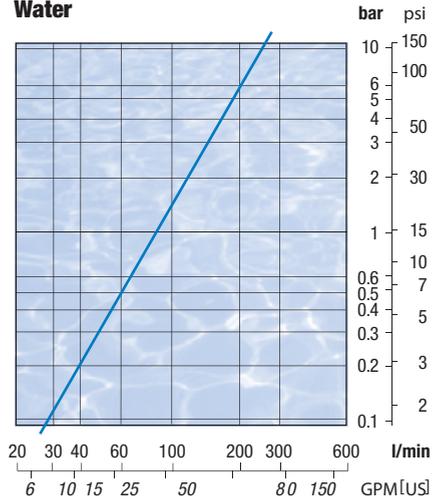
Air



— Plug Pressure difference P in bar and psi

Performance Graph

Water



— Plug Pressure difference P in bar and psi

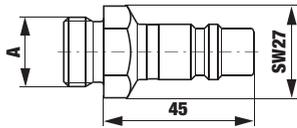
Original size

tst[®] SC Plug Series HB DN1 1/2"

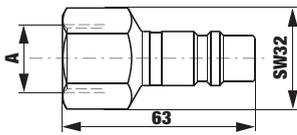


Plug

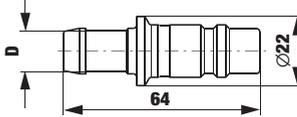
← with male thread



← with female thread



← with hose stem



| A | Part No. | |
|--------|------------|---|
| G3/8 | 355 00 250 | |
| G1/2 | 355 00 075 | ◀ |
| NPT1/2 | 355 00 328 | |
| G3/4 | 355 00 327 | |
| NPT3/4 | 355 00 253 | |

| | | |
|--------|------------|---|
| G3/8 | 355 00 076 | |
| G1/2 | 355 00 077 | ◀ |
| NPT1/2 | 355 00 255 | |
| G3/4 | 355 00 078 | ◀ |
| NPT3/4 | 355 00 256 | |

| D | Part No. | |
|-----------|------------|---|
| LW10 3/8" | 355 00 079 | |
| LW13 1/2" | 355 00 080 | ◀ |
| LW16 5/8" | 355 00 081 | ◀ |

◀ Can be delivered on short-notice

Features

- Plug complies with ISO 6150-B-17
- Manufactured from high-quality materials

Materials

See www.tst-tamsan.com for information on materials and operating instructions. When chemically aggressive media is used TST should be consulted. Further customer validation is always encouraged.



Ear Clamps

Product Groups 167 & 154



Features

- 360° Stepless® Design – no steps or gaps on inner circumference
- Narrow band, concentrated seal compression
- Specially-formed strip edges reduce the risk of damage to the part being clamped
- Lightweight design
- Deformation of ear provides visual indication that clamp is closed

The term "Stepless" refers to the absence of steps or gaps on the inner circumference of the clamp. The ingenious Stepless® design provides uniform compression and a 360° seal.

Material Stainless steel

No. 1.4301/UNS S30400

Standard Series

| Size range | Width x Thickness |
|-----------------|-------------------|
| 11.9 - 120.5 mm | 7.0 x 0.6 mm |

Features

- Fast, simple and safe installation
- Specially deburred edges reduce the risk of damage to the part being clamped
- Deformation of ear provides visual indication that clamp is closed
- For small diameters from 2.9 mm
- Curled insert bridges the gap below the clamp ear and thus provides an effective all-round seal

TST 1-Ear Clamps with Insert are ideal for demanding hose or tubing clamping applications involving soft or hard rubber or plastic materials. The insert bridges the gap below the clamp ear and its curled edge prevents cutting or other damage to the hose

Material Stainless Steel

Clamp:

No. 1.4301/UNS S30400

Insert:

No. 1.4310/UNS S30100

Stepless® Ear Clamp 167



Size Range

| mm | Part No. |
|-------------|------------|
| 9.4 - 11.9 | 167 02 951 |
| 10.3 - 12.8 | 167 02 493 |
| 11.3 - 13.8 | 167 00 011 |
| 11.7 - 14.2 | 167 02 864 |
| 12.3 - 14.8 | 167 00 014 |
| 13.2 - 15.7 | 167 00 016 |
| 14.1 - 16.6 | 167 02 495 |
| 14.5 - 17.0 | 167 00 017 |
| 14.6 - 17.8 | 167 00 018 |
| 15.3 - 18.5 | 167 00 020 |
| 16.0 - 19.2 | 167 00 110 |
| 17.8 - 21.0 | 167 00 024 |
| 19.4 - 22.6 | 167 00 026 |
| 20.3 - 23.5 | 167 00 028 |
| 20.9 - 24.1 | 167 00 029 |
| 22.4 - 25.6 | 167 00 031 |
| 23.9 - 27.1 | 167 00 033 |
| 25.4 - 28.6 | 167 00 035 |

Additional sizes and band dimensions available upon request.

1-Ear Clamp with Insert 154



Size Range

| mm | Part No. |
|-------------|------------|
| 7.0 - 8.5 | 154 00 021 |
| 7.5 - 9.0 | 154 00 022 |
| 8.5 - 9.0 | 154 00 023 |
| 8.5 - 10.0 | 154 00 024 |
| 8.8 - 10.5 | 154 00 025 |
| 9.1 - 10.8 | 154 00 026 |
| 9.6 - 11.3 | 154 00 027 |
| 9.5 - 11.5 | 154 00 028 |
| 9.8 - 11.8 | 154 00 029 |
| 10.3 - 12.3 | 154 00 030 |
| 10.6 - 12.6 | 154 00 031 |
| 11.1 - 13.1 | 154 00 032 |
| 11.8 - 13.8 | 154 00 034 |
| 12.3 - 14.3 | 154 00 035 |
| 13.2 - 15.8 | 154 00 038 |
| 13.9 - 16.1 | 154 00 039 |
| 14.6 - 16.8 | 154 00 040 |
| 16.5 - 18.8 | 154 00 042 |
| 17.1 - 19.3 | 154 00 043 |
| 17.1 - 20.0 | 154 00 044 |
| 18.8 - 21.1 | 154 00 046 |
| 19.2 - 21.8 | 154 00 065 |

Additional sizes available upon request.



tst[®]

Worm Drive Clamps

Product Groups 177 & 180



Worm Drive Clamp 177



| Size range mm | Part No. |
|---------------|------------|
| 12 - 20 | 177 00 007 |
| 16 - 25 | 177 00 008 |
| 20 - 32 | 177 00 009 |
| 25 - 40 | 177 00 010 |
| 32 - 50 | 177 00 011 |
| 40 - 60 | 177 00 012 |
| 50 - 70 | 177 00 002 |
| 60 - 80 | 177 00 003 |
| 70 - 90 | 177 00 013 |
| 80 - 100 | 177 00 014 |
| 90 - 110 | 177 00 015 |

Further sizes and band dimensions available upon request.

- Features**
- Large clamping range
 - Formed band – not stamped
 - Hexagon-head screw 7 A/F with screw-driver slot
 - Complies with DIN 3017
 - Specially-formed band edges reduce damage to parts being clamped
 - Choice of materials to suit application

The versatile TST Worm Drive Clamps are intended to be an all-purpose clamping system. Due to the comprehensive clamping range, a given clamp size can be adapted to a large assortment of hose and joint diameters.

Material Stainless Steel
No. 1.4301 / UNS S30400

Standard Series

| Size range | Width x Thickness |
|----------------|----------------------|
| 8.0 - 110.0 mm | 9.0 x 0.7 mm (0.6mm) |

ALSI Worm Drive Clamp 180



| Size range mm | Part No. |
|---------------|------------|
| 30 - 60 | 180 00 206 |
| 40 - 110 | 180 00 069 |
| 40 - 160 | 180 00 212 |
| 50 - 80 | 180 00 025 |
| 80 - 110 | 180 00 026 |
| 110 - 140 | 180 00 027 |
| 140 - 170 | 180 00 028 |
| 170 - 200 | 180 00 029 |
| 200 - 230 | 180 00 030 |
| 230 - 260 | 180 00 031 |
| 260 - 290 | 180 00 032 |
| 290 - 320 | 180 00 033 |

Special sizes up to 1000 mm available upon request.

- Features**
- Toggle lock for simple, timesaving installation
 - Toggle has intermediate position to prevent unintended opening
 - Visual indication to protect against overloading
 - Complies with DIN 3017
 - For safe tightening of screw clamps, the use of a 5 A/F hexagon wrench is recommended

TST ALSI Worm Drive Clamps with toggle lock, intermediate position, and visual overload protection are suitable for a multitude of applications. The toggle fastener ensures simple, time-saving installation, even under difficult conditions.

Material Stainless Steel
Strip and fastener:
No. 1.4301 / UNS S30400
Screw:
No. 1.4305 / UNS S30300

| Size range | Width x Thickness |
|-----------------|-------------------|
| 30.0 - 500.0 mm | 12.2 x 0.9 mm |



Accessories Installation and Maintenance

Stepless® Ear Clamp Kit

321 components

Material Stainless Steel
No. 1.4301 / UNS S30400

Ear Clamp refill set



Part No.

185 00 014

Manual Pincers

Pincers with Standard Jaw Design



141 00 082

Pincers with side jaws for use where space is restricted



141 00 083

Flexible Hexagon-Socket Screwdriver SW-7



141 00 095

Plastic Hose Mender

Material PA6 + 30% Fiberglass
Colour Black

Oil and Gas resistant

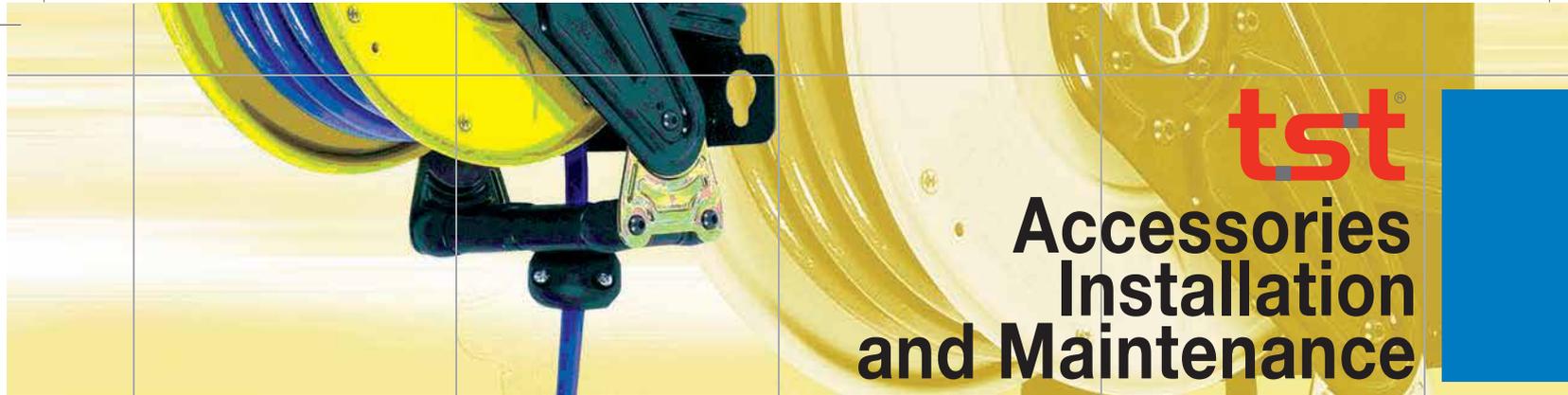


| Hose ID | Length | Part No. | |
|---------|--------|----------|------------|
| 6 mm | 1/4" | 41 | 188 00 040 |
| 8 mm | 5/16" | 41 | 188 00 041 |
| 10 mm | 3/8" | 41 | 188 00 042 |
| 13 mm | 1/2" | 41 | 188 00 043 |
| 16 mm | 5/8" | 46 | 188 00 044 |
| 19 mm | 3/4" | 59 | 188 00 045 |

Stainless steel Hose Mender

Material Stainless Steel
No. 1.4301 / UNS S30400

| | | | |
|-------|--------|----|------------|
| 22 mm | 1/8" | 56 | 188 00 006 |
| 25 mm | 1" | 56 | 188 00 007 |
| 28 mm | 1 1/8" | 60 | 188 00 008 |
| 32 mm | 1 1/4" | 63 | 188 00 009 |
| 38 mm | 1 1/2" | 62 | 188 00 010 |



Accessories Installation and Maintenance



| Connection | Part No. |
|------------|------------|
| G3/8" | 606 00 101 |
| G1/2" | 606 00 102 |

Automatic Hose Reel without hose, including swivel mounting bracket

Type: Stainless steel

Drum No. 1.4301 / UNS S30400
 Mechanism No. 2.0401
 Seal FPM



| | |
|-------|------------|
| G1/2" | 606 00 105 |
|-------|------------|

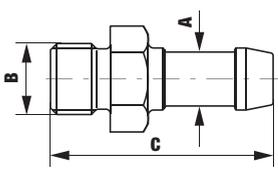
Type: Stainless steel, aseptic, polished

Drum No. 1.4301 / UNS S30400
 Mechanism No. 1.4301 / UNS S30400
 Seal FPM

| | |
|-------|------------|
| G3/8" | 606 00 104 |
| G1/2" | 606 00 103 |

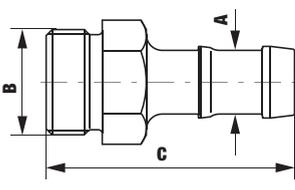
Type: Stainless Steel, painted

Drum No. 1.0737 / painted
 Mechanism No. 2.0401
 Seal FPM



| A | B | C | Part No. |
|------|------|------|------------|
| LW6 | G1/8 | 38.0 | 353 00 065 |
| LW8 | G1/8 | 38.0 | 353 00 066 |
| LW6 | G1/4 | 41.0 | 353 00 070 |
| LW8 | G1/4 | 41.0 | 353 00 071 |
| LW10 | G1/4 | 41.0 | 353 00 072 |
| LW8 | G3/8 | 43.0 | 353 00 075 |
| LW10 | G3/8 | 43.0 | 353 00 076 |
| LW13 | G3/8 | 43.0 | 353 00 077 |

Connecting Plug for Hoses
 Material Stainless Steel
 No. 1.44351 UNS S31603



| A | B | C | Part No. |
|------|------|------|------------|
| LW13 | G1/2 | 59.0 | 353 00 082 |
| LW16 | G1/2 | 59.0 | 353 00 083 |
| LW19 | G1/2 | 59.0 | 353 00 084 |
| LW16 | G3/4 | 62.0 | 353 00 086 |
| LW19 | G3/4 | 62.0 | 353 00 087 |
| LW25 | G3/4 | 71.0 | 353 00 088 |
| LW19 | G1 | 69.0 | 353 00 089 |
| LW25 | G1 | 75.0 | 353 00 090 |
| LW32 | G1 | 80.0 | 353 00 091 |

Connecting Plug for Hoses with 2 Connectors
 Material Stainless Steel
 No. 1.4435 / UNS S31603

A variety of additional stainless steel adaptors available upon request, e.g.

- reducers male-female threads
- connecting plugs for hoses



Selection of Seals

| Description | Properties | Typical Media |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Type V Standard catalog offering Fluorine Elastomer (FPM)</p> <p>This material is excellent for high temperature applications and has good chemical resistance. In the specific cases of water and water vapour, the upper temperature limit is 123° C (253° F). Due to its low gas permeability, FPM is suitable for high vacuum, and has good resistance against mineral oils HFA-, HFB- and HFD liquids.</p> <p>FPM is often used in cases where it is no longer possible to use NBR, e.g. due to high operating temperatures or aggressive media.</p> | <p>Excellent oil and chemical resistance. Temperature Range -15° to +200°C -29° to +392°F</p> <p>(not resistant to saturated steam)</p> | <p>Toluene Ethane Sulfuric acid Hydrochloric acid Nitric acid Trifluoroethane Universal medium resistance -> Except for: fluorine compounds</p> |
| <p>Type P Ethylene-propylene Elastomer (EPDM)</p> | <p>Good aging, weather and ozone resistance. Temperature Range -50° to +150°C -58° to +302°F</p> <p>(not resistant to mineral oils)</p> | <p>Acids (organic) Water (incl. saturated steam) Water (deionized, distilled) Acetone</p> |
| <p>Type K Perfluoride Elastomer (FFKM)</p> | <p>Excellent media resistance for safety-related systems. Temperature Range -15° to +230°C +5° to +446°F</p> | <p>Universal medium resistance -> Except for: fluorine compounds</p> |
| <p>Upon request FPM (FDA CRF 177.2600) EPDM (FDA CRF 177.2600)</p> | <p>Properties as described above, typically used in food and beverage applications.</p> | |



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References



Selection and Handling

Incorrect handling or the wrong choice of Quick Action Couplings or accessories can result in damage to property and/or personal injury.

The maximum operating pressure for each model as specified by the manufacturer must not be exceeded. The throughput medium is a critical factor in the choice of seal and coupling material. External mechanical impact and/or vibration will have an adverse effect on the durability of couplings and accessories and should therefore be avoided or, where this is not possible, limited.

TST recommends that couplings and accessories should be checked periodically for excessive wear and leaks.

TST's Customer Service Department will be happy to give you further details about the use of TST couplings.

Note about Safety

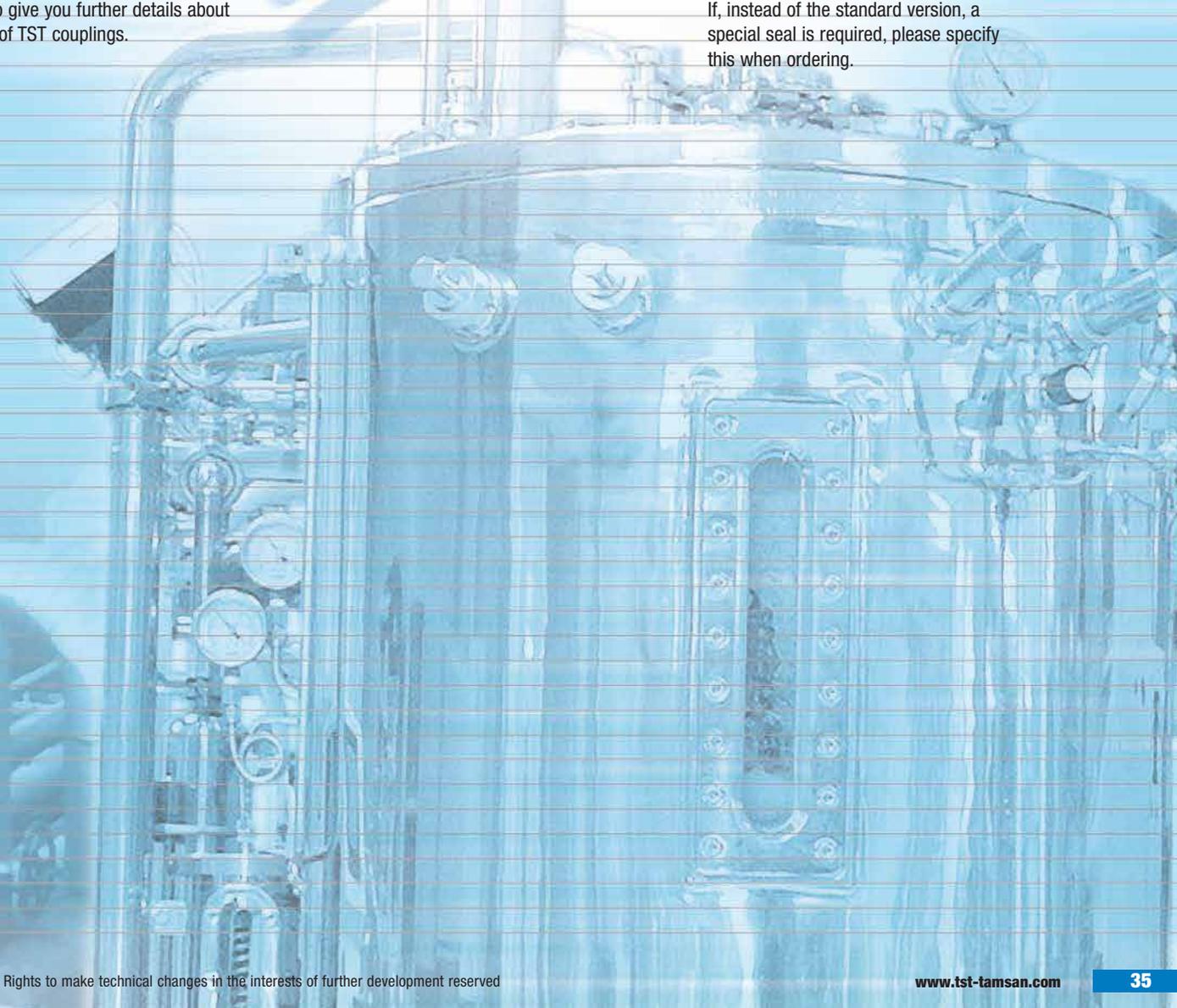
ISO 6150 §7.1 recommends that a hose of at least 300 mm in length should be used between the coupling and a vibrating tool. Please also read the operating instructions that are supplied with the coupling.

Detailed instructions for TST Couplings and Accessories can be found at www.tst-tamsan.com

- Operating Instructions
- Installation- and Maintenance instructions
- Safety instructions etc.

Note about Ordering

If, instead of the standard version, a special seal is required, please specify this when ordering.



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