



Body Size

1/8" up to 1 1/2"

Parker Profile

ST-Series

**Technical Description**

Non-valved couplings. Maximal flow. Minimal pressure drop. Easy cleaning. This series is also manufactured as an alternative in steel and AISI 316 material.

**Advantages**

No valving allows minimal pressure drop, maximal flow and easy cleaning. The ball locking mechanism with high number of balls to distribute the work load assures low wearing and good alignment of the couplings. High resistance to brinelling due to heat treated nipples.

**Applications**

- Food industry
- High pressure water and steam washers
- Dye transfer lines
- Mold coolant lines
- Carpet cleaners

**Working Temperature**

-40°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6 ff).

**Sleeve-Lock**

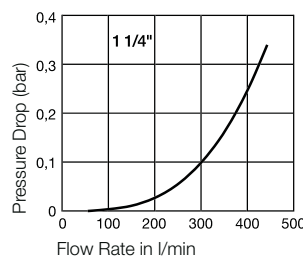
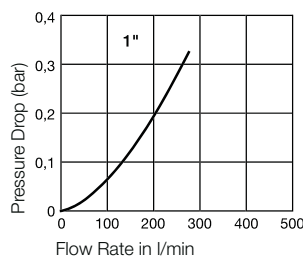
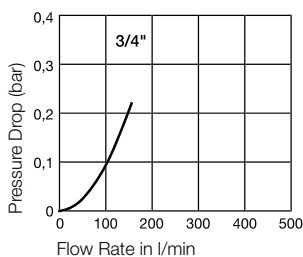
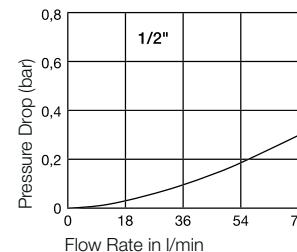
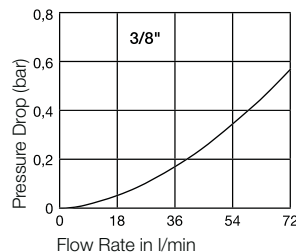
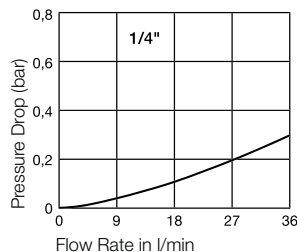
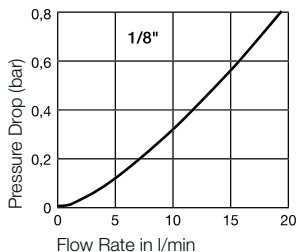
ST series couplers can be furnished with locking sleeves. Place suffix letters **SL** (Sleeve-lock) after regular catalog numbers.

Example: **SST-4M-SL**

| Material Coupling | Brass    | Stainless Steel |
|-------------------|----------|-----------------|
| Coupling Body     | Brass    | AISI 303        |
| Sleeve            | Brass    | AISI 303        |
| Back-up Ring      | AISI 303 | AISI 303        |
| Valve             | AISI 303 | AISI 303        |
| Springs           | NBR      | NBR             |
| Locking Balls     | Brass    | AISI 303        |
| Material Plug     | Brass    | Stainless Steel |
| Plug Body         | Brass    | AISI 303        |

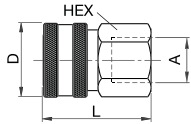
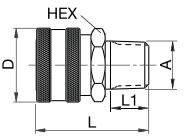
**Working Pressure**

| Body Size | Brass   | Stainless Steel |
|-----------|---------|-----------------|
| 1/8"      | 175 bar | 290 bar         |
| 1/4"      | 360 bar | 460 bar         |
| 3/8"      | 185 bar | 380 bar         |
| 1/2"      | 150 bar | 210 bar         |
| 3/4"      | 120 bar | 210 bar         |
| 1"        | 80 bar  | 120 bar         |
| 1 1/4"    | 120 bar |                 |
| 1 1/2"    | 95 bar  |                 |

**Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000**

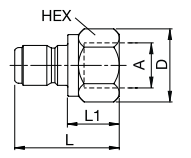
## Couplings

## ST-Series Brass

|  | Body Size       | Connection A    | Thread | Hex     | L mm | L1 mm | L2 mm | D mm | Bore mm | Version | Weight gr. | Part Number |
|--|-----------------|-----------------|--------|---------|------|-------|-------|------|---------|---------|------------|-------------|
|  <p>Female Thread</p> | 1/8"            | 1/8" - 27       | NPTF   | 9/16"   | 25,4 |       |       | 17,5 | 4,4     | Brass   | 29         | BST-1       |
|  | 1/4"            | 1/4"            | BSPP   | 13/16"  | 39,1 |       |       | 23,8 | 6,4     | Brass   | 85         | BST-2-BSPP  |
|  | 1/4"            | 1/4" - 18       | NPTF   | 13/16"  | 37,3 |       |       | 23,8 | 6,4     | Brass   | 83         | BST-2       |
|  | 3/8"            | 3/8"            | BSPP   | 1"      | 41,7 |       |       | 29,0 | 9,5     | Brass   | 122        | BST-3-BSPP  |
|  | 3/8"            | 3/8" - 18       | NPTF   | 1"      | 41,8 |       |       | 29,0 | 9,5     | Brass   | 130        | BST-3       |
|  | 1/2"            | 1/2"            | BSPP   | 1 1/8"  | 50,3 |       |       | 33,3 | 11,9    | Brass   | 186        | BST-4-BSPP  |
|  | 1/2"            | 1/2" - 14       | NPTF   | 1 1/8"  | 48,5 |       |       | 33,3 | 11,9    | Brass   | 189        | BST-4       |
|  | 3/4"            | 3/4"            | BSPP   | 1 7/16" | 54,6 |       |       | 41,7 | 18,3    | Brass   | 294        | BST-6-BSPP  |
|  | 3/4"            | 3/4" - 14       | NPTF   | 1 7/16" | 52,1 |       |       | 41,7 | 18,3    | Brass   | 316        | BST-6       |
|  | 1"              | 1"              | BSPP   | 1 3/4"  | 61,7 |       |       | 50,8 | 23,8    | Brass   | 467        | BST-8-BSPP  |
|  | 1"              | 1" - 11 1/2     | NPTF   | 1 3/4"  | 58,7 |       |       | 50,8 | 23,8    | Brass   | 477        | BST-8       |
|  | 1 1/4"          | 1 1/4" - 11 1/2 | NPTF   | 2"      | 62,0 |       |       | 64,0 | 30,2    | Brass   | 720        | BST-10      |
| 1 1/2"   | 1 1/4" - 11 1/2 | NPTF            | 2 1/2" | 72,9    |      |       | 76,2  | 38,1 | Brass   | 1176    | BST-12     |             |
|  <p>Male Thread</p>  | 1/8"            | 1/8" - 27       | NPTF   | 9/16"   | 26,9 | 9,5   |       | 17,5 | 4,4     | Brass   | 24         | BST-1M      |
|  | 1/4"            | 1/4" - 18       | NPTF   | 13/16"  | 42,9 | 13,5  |       | 23,8 | 6,4     | Brass   | 92         | BST-2M      |
|  | 3/8"            | 3/8" - 18       | NPTF   | 1"      | 44,5 | 14,5  |       | 29,0 | 9,5     | Brass   | 108        | BST-3M      |
|  | 1/2"            | 1/2" - 14       | NPTF   | 1 1/8"  | 50,5 | 19,1  |       | 33,3 | 11,9    | Brass   | 152        | BST-4M      |
|  | 3/4"            | 3/4" - 14       | NPTF   | 1 7/16" | 55,1 | 13,9  |       | 41,7 | 18,3    | Brass   | 227        | BST-6M      |
|  | 1"              | 1" - 11 1/2     | NPTF   | 1 3/4"  | 64,3 | 25,4  |       | 50,8 | 23,8    | Brass   | 402        | BST-8M      |

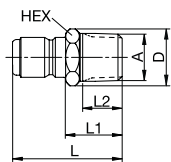
## Plugs

## ST-Series Brass

|  | Body Size       | Connection A    | Thread | Hex    | L mm | L1 mm | L2 mm | D mm | Bore mm | Version | Weight gr. | Part Number |
|--|-----------------|-----------------|--------|--------|------|-------|-------|------|---------|---------|------------|-------------|
|  <p>Female Thread</p> | 1/8"            | 1/8" - 27       | NPTF   | 9/16"  | 24,6 | 14,3  |       | 16,4 | 4,4     | Brass   | 15         | BST-N1      |
|  | 1/4"            | 1/4"            | BSPP   | 3/4"   | 37,1 | 18,1  |       | 21,9 | 6,4     | Brass   | 40         | BST-N2-BSPP |
|  | 1/4"            | 1/4" - 18       | NPTF   | 3/4"   | 37,1 | 18,1  |       | 21,9 | 6,4     | Brass   | 48         | BST-N2      |
|  | 3/8"            | 3/8"            | BSPP   | 7/8"   | 41,9 | 19,1  |       | 25,6 | 9,5     | Brass   | 57         | BST-N3-BSPP |
|  | 3/8"            | 3/8" - 18       | NPTF   | 7/8"   | 41,3 | 19,1  |       | 25,6 | 9,5     | Brass   | 58         | BST-N3      |
|  | 1/2"            | 1/2"            | BSPP   | 1 1/8" | 48,5 | 24,7  |       | 32,9 | 11,9    | Brass   | 110        | BST-N4-BSPP |
|  | 1/2"            | 1/2" - 14       | NPTF   | 1 1/8" | 48,5 | 24,7  |       | 32,9 | 11,9    | Brass   | 114        | BST-N4      |
|  | 3/4"            | 3/4"            | BSPP   | 1 3/8" | 54,5 | 26,5  |       | 40,2 | 18,3    | Brass   | 172        | BST-N6-BSPP |
|  | 3/4"            | 3/4" - 14       | NPTF   | 1 3/8" | 54,5 | 26,5  |       | 40,2 | 18,3    | Brass   | 175        | BST-N6      |
|  | 1"              | 1"              | BSPP   | 1 5/8" | 59,6 | 29,0  |       | 47,5 | 23,8    | Brass   | 271        | BST-N8-BSPP |
|  | 1"              | 1" - 11 1/2     | NPTF   | 1 5/8" | 59,6 | 29,0  |       | 47,5 | 23,8    | Brass   | 240        | BST-N8      |
|  | 1 1/4"          | 1 1/4" - 11 1/2 | NPTF   | 2"     | 60,3 | 29,2  |       | 58,4 | 30,2    | Brass   | 482        | BST-N10     |
| 1 1/2"   | 1 1/4" - 11 1/2 | NPTF            | 2 3/8" | 71,3   | 29,7 |       | 69,5  | 38,1 | Brass   | 688     | BST-N12    |             |

## Plugs

## ST-Series Brass

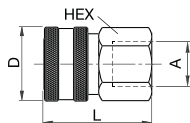


Male Thread

| Body Size | Connection A | Thread | Hex     | L mm | L1 mm | L2 mm | D mm | Bore mm | Version | Weight gr. | Part Number  |
|-----------|--------------|--------|---------|------|-------|-------|------|---------|---------|------------|--------------|
| 1/8"      | 1/8"-27      | NPTF   | 7/16"   | 26,3 | 15,9  | 9,5   | 12,8 | 4,4     | Brass   | 11         | BST-N1M      |
| 1/4"      | 1/4"-18      | NPTF   | 9/16"   | 38,8 | 19,8  | 13,5  | 16,4 | 6,4     | Brass   | 27         | BST-N2M      |
| 1/4"      | 1/4"         | BSPT   | 9/16"   | 38,8 | 19,8  | 8,4   | 16,4 | 6,4     | Brass   | 31         | BST-N2M-BSPT |
| 3/8"      | 3/8"-18      | NPTF   | 11/16"  | 42,9 | 20,7  | 14,5  | 20,1 | 9,5     | Brass   | 40         | BST-N3M      |
| 3/8"      | 3/8"         | BSPT   | 11/16"  | 42,9 | 20,7  | 8,7   | 20,1 | 9,5     | Brass   | 39         | BST-N3M-BSPT |
| 1/2"      | 1/2"-14      | NPTF   | 7/8"    | 49,2 | 25,4  | 19,1  | 25,6 | 11,9    | Brass   | 68         | BST-N4M      |
| 1/2"      | 1/2"         | BSPT   | 7/8"    | 49,2 | 25,4  | 11,3  | 25,6 | 11,9    | Brass   | 67         | BST-N4M-BSPT |
| 3/4"      | 3/4"-14      | NPTF   | 1 1/16" | 55,7 | 27,8  | 13,9  | 31,0 | 18,3    | Brass   | 107        | BST-N6M      |
| 3/4"      | 3/4"         | BSPT   | 1 1/16" | 55,7 | 27,8  | 12,7  | 31,0 | 18,3    | Brass   | 107        | BST-N6M-BSPT |
| 1"        | 1"-11 1/2    | NPTF   | 1 3/8"  | 63,7 | 33,1  | 25,4  | 40,2 | 23,8    | Brass   | 208        | BST-N8M      |
| 1"        | 1"           | BSPT   | 1 3/8"  | 63,7 | 33,1  | 14,4  | 40,2 | 23,8    | Brass   | 238        | BST-N8M-BSPT |

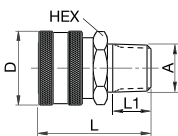
## Couplings

## ST-Series Stainless Steel



Female Thread

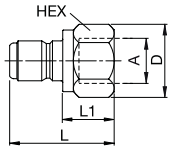
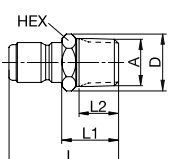
| Body Size | Connection A | Thread | Hex     | L mm | L1 mm | L2 mm | D mm | Bore mm | Version  | Weight gr. | Part Number |
|-----------|--------------|--------|---------|------|-------|-------|------|---------|----------|------------|-------------|
| 1/8"      | 1/8"-27      | NPTF   | 9/16"   | 25,4 |       |       | 17,5 | 4,4     | AISI 303 | 23         | SST-1       |
| 1/4"      | 1/4"         | BSPP   | 13/16"  | 39,1 |       |       | 23,8 | 6,4     | AISI 303 | 74         | SST-2-BSPP  |
| 1/4"      | 1/4"-18      | NPTF   | 13/16"  | 37,3 |       |       | 23,8 | 6,4     | AISI 303 | 75         | SST-2       |
| 3/8"      | 3/8"         | BSPP   | 1"      | 41,7 |       |       | 29,0 | 9,5     | AISI 303 | 115        | SST-3-BSPP  |
| 3/8"      | 3/8"-18      | NPTF   | 1"      | 40,4 |       |       | 29,0 | 9,5     | AISI 303 | 117        | SST-3       |
| 1/2"      | 1/2"         | BSPP   | 1 1/8"  | 50,3 |       |       | 33,3 | 11,9    | AISI 303 | 172        | SST-4-BSPP  |
| 1/2"      | 1/2"-14      | NPTF   | 1 1/8"  | 48,5 |       |       | 33,3 | 11,9    | AISI 303 | 174        | SST-4       |
| 3/4"      | 3/4"         | BSPP   | 1 7/16" | 54,6 |       |       | 41,7 | 18,3    | AISI 303 | 268        | SST-6-BSPP  |
| 3/4"      | 3/4"-14      | NPTF   | 1 7/16" | 52,1 |       |       | 41,7 | 18,3    | AISI 303 | 304        | SST-6       |
| 1"        | 1"-11 1/2    | NPTF   | 1 3/4"  | 58,7 |       |       | 50,8 | 23,8    | AISI 303 | 519        | SST-8       |
| 1/8"      | 1/8"-27      | NPTF   | 9/16"   | 26,9 | 9,5   |       | 17,5 | 4,4     | AISI 303 | 22         | SST-1M      |
| 1/4"      | 1/4"-18      | NPTF   | 13/16"  | 42,9 | 13,5  |       | 23,8 | 6,4     | AISI 303 | 71         | SST-2M      |
| 1/4"      | 1/4"-18      | NPTF   | 13/16"  | 42,9 | 13,5  |       | 23,8 | 6,4     | AISI 303 | 71         | SST-2M      |
| 1/2"      | 1/2"-14      | NPTF   | 1 1/8"  | 50,5 | 19,1  |       | 33,3 | 11,9    | AISI 303 | 149        | SST-4M      |
| 3/4"      | 3/4"-14      | NPTF   | 1 7/16" | 55,1 | 13,9  |       | 41,7 | 18,3    | AISI 303 | 211        | SST-6M      |
| 1"        | 1"-11 1/2    | NPTF   | 1 3/4"  | 64,3 | 25,4  |       | 50,8 | 23,8    | AISI 303 | 385        | SST-8M      |



Male Thread

## Plugs

## ST-Series Stainless Steel

|  | Body Size | Connection A | Thread | Hex     | L mm | L1 mm | L2 mm | D mm | Bore mm  | Version  | Weight gr. | Part Number |
|--|-----------|--------------|--------|---------|------|-------|-------|------|----------|----------|------------|-------------|
|  <p>Female Thread</p> | 1/8"      | 1/8"-27      | NPTF   | 9/16"   | 24,8 | 14,3  |       | 16,4 | 4,4      | AISI 303 | 17         | SST-N1      |
|  | 1/4"      | 1/4"         | BSPP   | 3/4"    | 37,1 | 18,1  |       | 21,9 | 6,4      | AISI 303 | 36         | SST-N2-BSPP |
|  | 1/4"      | 1/4"-18      | NPTF   | 3/4"    | 37,1 | 18,1  |       | 21,9 | 6,4      | AISI 303 | 36         | SST-N2      |
|  | 3/8"      | 3/8"         | BSPP   | 7/8"    | 41,3 | 19,1  |       | 25,6 | 9,5      | AISI 303 | 53         | SST-N3-BSPP |
|  | 3/8"      | 3/8"-18      | NPTF   | 7/8"    | 41,3 | 19,1  |       | 25,6 | 9,5      | AISI 303 | 50         | SST-N3      |
|  | 1/2"      | 1/2"         | BSPP   | 1 1/8"  | 48,5 | 24,7  |       | 32,9 | 11,9     | AISI 303 | 103        | SST-N4-BSPP |
|  | 1/2"      | 1/2"-14      | NPTF   | 1 1/8"  | 48,5 | 24,7  |       | 32,7 | 11,9     | AISI 303 | 105        | SST-N4      |
|  | 3/4"      | 3/4"         | BSPP   | 1 3/8"  | 54,5 | 26,5  |       | 40,2 | 18,3     | AISI 303 | 156        | SST-N6-BSPP |
|  | 3/4"      | 3/4"-14      | NPTF   | 1 3/8"  | 54,5 | 26,5  |       | 40,2 | 18,3     | AISI 303 | 169        | SST-N6      |
| 1"   | 1"-11 1/2 | NPTF         | 1 5/8" | 59,6    | 29,0 |       | 47,5  | 23,8 | AISI 303 | 272      | SST-N8     |             |
|  <p>Male Thread</p>   | 1/8"      | 1/8"-27      | NPTF   | 7/16"   | 26,3 | 15,9  | 9,5   | 12,8 | 4,4      | AISI 303 | 10         | SST-N1M     |
|  | 1/4"      | 1/4"-18      | NPTF   | 9/16"   | 38,8 | 19,8  | 13,5  | 16,4 | 6,4      | AISI 303 | 24         | SST-N2M     |
|  | 3/8"      | 3/8"-18      | NPTF   | 11/16"  | 42,9 | 20,7  | 14,5  | 20,1 | 9,5      | AISI 303 | 41         | SST-N3M     |
|  | 1/2"      | 1/2"-14      | NPTF   | 7/8"    | 49,2 | 25,4  | 19,1  | 25,6 | 11,9     | AISI 303 | 64         | SST-N4M     |
|  | 3/4"      | 3/4"-14      | NPTF   | 1 1/16" | 55,7 | 27,8  | 13,9  | 31,0 | 18,3     | AISI 303 | 100        | SST-N6M     |
|  | 1"        | 1"-11 1/2    | NPTF   | 1 3/8"  | 63,7 | 33,1  | 25,4  | 40,2 | 23,8     | AISI 303 | 198        | SST-N8M     |

## Seal-Kit

## ST-Series

| Body Size | Version | Material | Part Number |
|-----------|---------|----------|-------------|
| 1/8"      | Seal    | NBR      | 020010N0674 |
| 1/4"      | Seal    | NBR      | 020110N0674 |
| 3/8"      | Seal    | NBR      | 020112N0674 |
| 1/2"      | Seal    | NBR      | 020114N0674 |
| 3/4"      | Seal    | NBR      | 020212N0674 |
| 1"        | Seal    | NBR      | 020217N0674 |
| 1 1/4"    | Seal    | NBR      | 020222N0674 |
| 1 1/2"    | Seal    | NBR      | 020327N0674 |



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△ Please consider our security advices on the pages 12/13 △