

## COUPLINGS

### BANJO COUPLING

#### SGE T SWIVELING SCREW FITTING HIGH PRESSURE

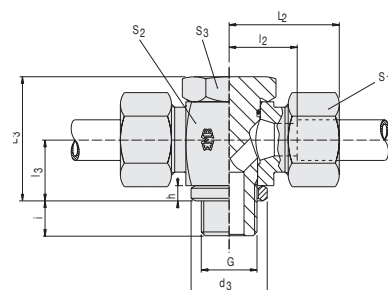
THE WORLD OF TUBE FITTINGS

### SGE T SWIVELING SCREW FITTING HIGH PRESSURE BSP DKA

BSP parallel.

Edge sealing ring DKA.

O-ring NBR (e.g. Perbunan), FPM (e.g. Viton) upon request.



| description  | pipe<br>OD | PB<br>series | S <sub>1</sub> | S <sub>2</sub> | S <sub>3</sub> | L <sub>2</sub> | L <sub>2</sub> | L <sub>3</sub> | L <sub>3</sub> | d <sub>3</sub> | i  | h   | d <sub>9</sub> | G         | MA*<br>Nm | kg %<br>pc |
|--------------|------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|-----|----------------|-----------|-----------|------------|
| DS-SGE 6-RL  | 6          | L 500        | 14             | 17             | 17             | 27             | 12.0           | 10.5           | 24             | 14             | 8  | 2.5 | 14.9           | G 1/8"A   | 20        | 8.0        |
| DS-SGE 8-RL  | 8          | L 500        | 17             | 22             | 19             | 29             | 14.5           | 14.0           | 30             | 18             | 12 | 3.0 | 18.9           | G 1/4"A   | 50        | 14.1       |
| DS-SGE 10-RL | 10         | L 500        | 19             | 22             | 19             | 30             | 15.5           | 14.0           | 30             | 18             | 12 | 3.0 | 18.9           | G 1/4"A   | 50        | 15.0       |
| DS-SGE 12-RL | 12         | L 400        | 22             | 27             | 24             | 33             | 18.0           | 16.5           | 36             | 22             | 12 | 3.0 | 21.9           | G 3/8"A   | 75        | 24.1       |
| DS-SGE 15-RL | 15         | L 400        | 27             | 32             | 30             | 37             | 21.5           | 21.5           | 45             | 26             | 14 | 4.5 | 26.9           | G 1/2"A   | 130       | 40.9       |
| DS-SGE 18-RL | 18         | L 400        | 32             | 32             | 30             | 37             | 21.0           | 21.5           | 45             | 26             | 14 | 4.5 | 26.9           | G 1/2"A   | 130       | 45.8       |
| DS-SGE 22-RL | 22         | L 250        | 36             | 41             | 36             | 44             | 27.5           | 24.0           | 53             | 32             | 16 | 3.5 | 32.9           | G 3/4"A   | 250       | 75.9       |
| DS-SGE 28-RL | 28         | L 250        | 41             | 50             | 46             | 49             | 32.0           | 30.5           | 66             | 39             | 18 | 3.5 | 39.9           | G 1" A    | 350       | 125.4      |
| DS-SGE 35-RL | 35         | L 250        | 50             | 60             | 55             | 58             | 36.0           | 35.5           | 76             | 49             | 20 | 3.5 | 49.9           | G 1 1/4"A | 600       | 206.1      |
| DS-SGE 42-RL | 42         | L 250        | 60             | 70             | 60             | 63             | 40.5           | 40.5           | 87             | 55             | 22 | 3.5 | 55.9           | G 1 1/2"A | 800       | 299.0      |
| DS-SGE 6-RS  | 6          | S 500        | 17             | 22             | 19             | 31             | 16.5           | 14.0           | 30             | 18             | 12 | 3.0 | 18.9           | G 1/4"A   | 50        | 15.2       |
| DS-SGE 8-RS  | 8          | S 500        | 19             | 22             | 19             | 31             | 16.5           | 14.0           | 30             | 18             | 12 | 3.0 | 18.9           | G 1/4"A   | 50        | 16.4       |
| DS-SGE 10-RS | 10         | S 500        | 22             | 27             | 24             | 35             | 18.5           | 16.5           | 36             | 22             | 12 | 3.0 | 21.9           | G 3/8"A   | 75        | 26.4       |
| DS-SGE 12-RS | 12         | S 500        | 24             | 27             | 24             | 35             | 18.5           | 16.5           | 36             | 22             | 12 | 3.0 | 21.9           | G 3/8"A   | 75        | 27.8       |
| DS-SGE 14-RS | 14         | S 500        | 27             | 32             | 30             | 40             | 22.5           | 21.5           | 45             | 26             | 14 | 4.5 | 26.9           | G 1/2"A   | 130       | [37.5]     |
| DS-SGE 16-RS | 16         | S 500        | 30             | 32             | 30             | 40             | 22.0           | 21.5           | 45             | 26             | 14 | 4.5 | 26.9           | G 1/2"A   | 130       | 49.0       |
| DS-SGE 20-RS | 20         | S 400        | 36             | 41             | 36             | 48             | 26.5           | 24.0           | 53             | 32             | 16 | 3.5 | 32.9           | G 3/4"A   | 250       | 84.2       |
| DS-SGE 25-RS | 25         | S 400        | 46             | 50             | 46             | 56             | 31.5           | 30.5           | 66             | 39             | 18 | 3.5 | 39.9           | G 1" A    | 350       | 155.0      |
| DS-SGE 30-RS | 30         | S 400        | 50             | 60             | 55             | 64             | 37.0           | 35.5           | 76             | 49             | 20 | 3.5 | 49.9           | G 1 1/4"A | 600       | 230.0      |
| DS-SGE 38-RS | 38         | S 400        | 60             | 70             | 60             | 72             | 41.5           | 40.5           | 87             | 55             | 22 | 3.5 | 55.9           | G 1 1/2"A | 800       | 337.2      |

L<sub>2</sub> = approximate length with nut tightened

\* Recommended tightening torques for stud threads G. with mating material steel

Please see "Engineering and technical data - Selecting the correct tube fitting" for more information on pressure.

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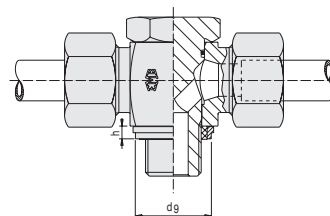
#### SGE T SWIVELING SCREW FITTING HIGH PRESSURE

### SGE T SWIVELING SCREW FITTING HIGH PRESSURE BSP EDE

BSP parallel.

Sealing ring EDE.

O-ring NBR (e.g. Perbunan), FPM (e.g. Viton) upon request.



| description      | pipe OD | PB series | S <sub>1</sub> | S <sub>2</sub> | S <sub>3</sub> | L <sub>2</sub> | l <sub>2</sub> | l <sub>3</sub> | L <sub>3</sub> | d <sub>3</sub> | i  | h   | d <sub>9</sub> | G         | MA* Nm | kg % pc |
|------------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|-----|----------------|-----------|--------|---------|
| DS-SGE 6-RL/EDE  | 6       | L 500     | 14             | 17             | 17             | 27             | 12.0           | 10.5           | 24             | 14             | 8  | 2.5 | 14.9           | G 1/8"A   | 20     | 8.1     |
| DS-SGE 8-RL/EDE  | 8       | L 500     | 17             | 22             | 19             | 29             | 14.5           | 14.0           | 30             | 18             | 12 | 3.0 | 18.9           | G 1/4"A   | 50     | 14.2    |
| DS-SGE 10-RL/EDE | 10      | L 500     | 19             | 22             | 19             | 30             | 15.5           | 14.0           | 30             | 18             | 12 | 3.0 | 18.9           | G 1/4"A   | 50     | 15.2    |
| DS-SGE 12-RL/EDE | 12      | L 400     | 22             | 27             | 24             | 33             | 18.0           | 16.5           | 36             | 22             | 12 | 3.0 | 21.9           | G 3/8"A   | 75     | 24.3    |
| DS-SGE 15-RL/EDE | 15      | L 400     | 27             | 32             | 30             | 37             | 21.5           | 21.5           | 45             | 26             | 14 | 4.5 | 26.9           | G 1/2"A   | 130    | 41.5    |
| DS-SGE 18-RL/EDE | 18      | L 400     | 32             | 32             | 30             | 37             | 21.0           | 21.5           | 45             | 26             | 14 | 4.5 | 26.9           | G 1/2"A   | 130    | 46.4    |
| DS-SGE 22-RL/EDE | 22      | L 250     | 36             | 41             | 36             | 44             | 27.5           | 24.0           | 53             | 32             | 16 | 3.5 | 32.9           | G 3/4"A   | 250    | 77.0    |
| DS-SGE 28-RL/EDE | 28      | L 250     | 41             | 50             | 46             | 49             | 32.0           | 30.5           | 66             | 39             | 18 | 3.5 | 39.9           | G 1" A    | 350    | 126.2   |
| DS-SGE 35-RL/EDE | 35      | L 250     | 50             | 60             | 55             | 58             | 36.0           | 35.5           | 76             | 49             | 20 | 3.5 | 49.9           | G 1 1/4"A | 600    | 207.4   |
| DS-SGE 42-RL/EDE | 42      | L 250     | 60             | 70             | 60             | 63             | 40.5           | 40.5           | 87             | 55             | 22 | 3.5 | 55.9           | G 1 1/2"A | 800    | 300.8   |
| DS-SGE 6-RS/EDE  | 6       | S 500     | 17             | 22             | 19             | 31             | 16.5           | 14.0           | 30             | 18             | 12 | 3.0 | 18.9           | G 1/4"A   | 50     | 15.3    |
| DS-SGE 8-RS/EDE  | 8       | S 500     | 19             | 22             | 19             | 31             | 16.5           | 14.0           | 30             | 18             | 12 | 3.0 | 18.9           | G 1/4"A   | 50     | 16.6    |
| DS-SGE 10-RS/EDE | 10      | S 500     | 22             | 27             | 24             | 35             | 18.5           | 16.5           | 36             | 22             | 12 | 3.0 | 21.9           | G 3/8"A   | 75     | 26.7    |
| DS-SGE 12-RS/EDE | 12      | S 500     | 24             | 27             | 24             | 35             | 18.5           | 16.5           | 36             | 22             | 12 | 3.0 | 21.9           | G 3/8"A   | 75     | 28.1    |
| DS-SGE 14-RS/EDE | 14      | S 500     | 27             | 32             | 30             | 40             | 22.5           | 21.5           | 45             | 26             | 14 | 4.5 | 26.9           | G 1/2"A   | 130    | (38.0)  |
| DS-SGE 16-RS/EDE | 16      | S 500     | 30             | 32             | 30             | 40             | 22.0           | 21.5           | 45             | 26             | 14 | 4.5 | 26.9           | G 1/2"A   | 130    | 49.6    |
| DS-SGE 20-RS/EDE | 20      | S 400     | 36             | 41             | 36             | 48             | 26.5           | 24.0           | 53             | 32             | 16 | 3.5 | 32.9           | G 3/4"A   | 250    | 85.2    |
| DS-SGE 25-RS/EDE | 25      | S 400     | 46             | 50             | 46             | 56             | 31.5           | 30.5           | 66             | 39             | 18 | 3.5 | 39.9           | G 1" A    | 350    | 155.9   |
| DS-SGE 30-RS/EDE | 30      | S 400     | 50             | 60             | 55             | 64             | 37.0           | 35.5           | 76             | 49             | 20 | 3.5 | 49.9           | G 1 1/4"A | 600    | 231.4   |
| DS-SGE 38-RS/EDE | 38      | S 400     | 60             | 70             | 60             | 72             | 41.5           | 40.5           | 87             | 55             | 22 | 3.5 | 55.9           | G 1 1/2"A | 800    | 339.0   |

L<sub>2</sub> = approximate length with nut tightened

\* Recommended tightening torques for stud threads G, with mating material steel

Please see "Engineering and technical data - Selecting the correct tube fitting" for more information on pressure.

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#### SGE T SWIVELING SCREW FITTING HIGH PRESSURE

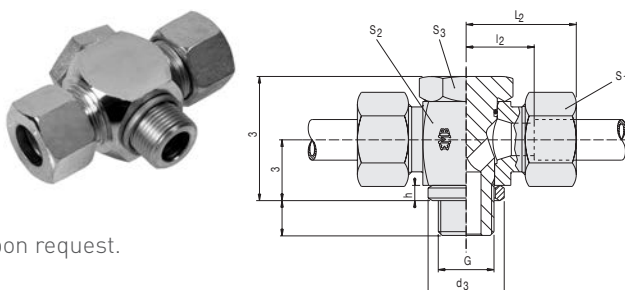
THE WORLD OF TUBE FITTINGS

### SGE T SWIVELING SCREW FITTING HIGH PRESSURE METRIC DKA

Metric parallel.

Edge sealing ring DKA.

O-ring NBR (e.g. Perbunan), FPM (e.g. Viton) upon request.



| description  | pipe OD | PB series | S <sub>1</sub> | S <sub>2</sub> | S <sub>3</sub> | L <sub>2</sub> | l <sub>2</sub> | l <sub>3</sub> | L <sub>3</sub> | d <sub>3</sub> | i  | h   | d <sub>9</sub> | G        | MA* Nm | kg % pc |
|--------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|-----|----------------|----------|--------|---------|
| DS-SGE 6-ML  | 6       | L 500     | 14             | 17             | 17             | 27             | 12.0           | 10.5           | 24.0           | 14             | 8  | 2.5 | 14.9           | M 10x1   | 25     | 8.1     |
| DS-SGE 8-ML  | 8       | L 500     | 17             | 22             | 19             | 29             | 14.5           | 14.0           | 30.0           | 17             | 12 | 3.0 | 16.9           | M 12x1.5 | 50     | 13.8    |
| DS-SGE 10-ML | 10      | L 500     | 19             | 22             | 19             | 30             | 15.5           | 14.0           | 30.0           | 19             | 12 | 3.0 | 18.9           | M 14x1.5 | 60     | 15.3    |
| DS-SGE 12-ML | 12      | L 400     | 22             | 27             | 24             | 33             | 18.0           | 16.5           | 36.0           | 21             | 12 | 3.0 | 21.9           | M 16x1.5 | 90     | 23.7    |
| DS-SGE 15-ML | 15      | L 400     | 27             | 30             | 27             | 36             | 20.5           | 18.5           | 39.5           | 23             | 12 | 3.0 | 23.9           | M 18x1.5 | 110    | 34.3    |
| DS-SGE 18-ML | 18      | L 400     | 32             | 32             | 30             | 37             | 21.0           | 21.5           | 45.0           | 27             | 14 | 4.5 | 26.9           | M 22x1.5 | 150    | 46.3    |
| DS-SGE 22-ML | 22      | L 250     | 36             | 41             | 36             | 44             | 27.5           | 24.0           | 53.0           | 31             | 16 | 3.5 | 31.9           | M 26x1.5 | 350    | 76.0    |
| DS-SGE 28-ML | 28      | L 250     | 41             | 50             | 46             | 49             | 32.0           | 30.5           | 66.0           | 39             | 18 | 3.5 | 39.9           | M 33x2   | 400    | 122.9   |
| DS-SGE 35-ML | 35      | L 250     | 50             | 60             | 55             | 58             | 36.0           | 35.5           | 76.0           | 49             | 20 | 3.5 | 49.9           | M 42x2   | 600    | 206.0   |
| DS-SGE 42-ML | 42      | L 250     | 60             | 70             | 60             | 63             | 40.5           | 40.5           | 87.0           | 55             | 22 | 3.5 | 55.9           | M 48x2   | 800    | 303.0   |
| DS-SGE 6-MS  | 6       | S 500     | 17             | 22             | 19             | 31             | 16.5           | 14.0           | 30.0           | 17             | 12 | 3.0 | 16.9           | M 12x1.5 | 50     | 14.8    |
| DS-SGE 8-MS  | 8       | S 500     | 19             | 22             | 19             | 31             | 16.5           | 14.0           | 30.0           | 19             | 12 | 3.0 | 18.9           | M 14x1.5 | 60     | 16.6    |
| DS-SGE 10-MS | 10      | S 500     | 22             | 27             | 24             | 35             | 18.5           | 16.5           | 36.0           | 21             | 12 | 3.0 | 21.9           | M 16x1.5 | 90     | 26.2    |
| DS-SGE 12-MS | 12      | S 500     | 24             | 30             | 27             | 36             | 20.0           | 18.5           | 39.5           | 23             | 12 | 3.0 | 23.9           | M 18x1.5 | 110    | 33.1    |
| DS-SGE 14-MS | 14      | S 500     | 27             | 32             | 30             | 40             | 22.5           | 20.0           | 43.5           | 25             | 14 | 3.0 | -              | M 20x1.5 | 130    | [37.4]  |
| DS-SGE 16-MS | 16      | S 500     | 30             | 32             | 30             | 40             | 22.0           | 21.5           | 45.0           | 27             | 14 | 4.5 | 26.9           | M 22x1.5 | 150    | 48.7    |
| DS-SGE 20-MS | 20      | S 400     | 36             | 41             | 36             | 48             | 26.5           | 24.0           | 53.0           | 32             | 16 | 3.5 | 32.9           | M 27x2   | 350    | 83.7    |
| DS-SGE 25-MS | 25      | S 400     | 46             | 50             | 46             | 56             | 31.5           | 30.5           | 66.0           | 39             | 18 | 3.5 | 39.9           | M 33x2   | 400    | 152.6   |
| DS-SGE 30-MS | 30      | S 400     | 50             | 60             | 55             | 64             | 37.0           | 35.5           | 76.0           | 49             | 20 | 3.5 | 49.9           | M 42x2   | 600    | 229.9   |
| DS-SGE 38-MS | 38      | S 400     | 60             | 70             | 60             | 72             | 41.5           | 40.5           | 87.0           | 55             | 22 | 3.5 | 55.9           | M 48x2   | 800    | 341.2   |

L<sub>2</sub> = approximate length with nut tightened

\* Recommended tightening torques for stud threads G. with mating material steel

Please see "Engineering and technical data - Selecting the correct tube fitting" for more information on pressure.

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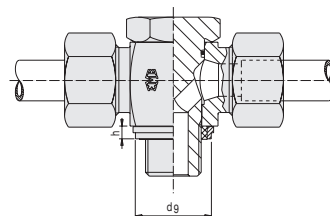
#### SGE T SWIVELING SCREW FITTING HIGH PRESSURE

### SGE T SWIVELING SCREW FITTING HIGH PRESSURE METRIC EDE

Metric parallel.

Sealing ring EDE.

O-ring NBR (e.g. Perbunan), FPM (e.g. Viton) upon request.



| description      | pipe<br>OD | PB<br>series | S <sub>1</sub> | S <sub>2</sub> | S <sub>3</sub> | L <sub>2</sub> | l <sub>2</sub> | l <sub>3</sub> | L <sub>3</sub> | d <sub>3</sub> | i  | h   | d <sub>9</sub> | G        | MA*<br>Nm | kg %<br>pc |
|------------------|------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|-----|----------------|----------|-----------|------------|
| DS-SGE 6-ML/EDE  | 6          | L 500        | 14             | 17             | 17             | 27             | 12.0           | 10.5           | 24.0           | 14             | 8  | 2.5 | 14.9           | M 10x1   | 25        | 8.1        |
| DS-SGE 8-ML/EDE  | 8          | L 500        | 17             | 22             | 19             | 29             | 14.5           | 14.0           | 30.0           | 17             | 12 | 3.0 | 16.9           | M 12x1.5 | 50        | 14.0       |
| DS-SGE 10-ML/EDE | 10         | L 500        | 19             | 22             | 19             | 30             | 15.5           | 14.0           | 30.0           | 19             | 12 | 3.0 | 18.9           | M 14x1.5 | 60        | 15.4       |
| DS-SGE 12-ML/EDE | 12         | L 400        | 22             | 27             | 24             | 33             | 18.0           | 16.5           | 36.0           | 21             | 12 | 3.0 | 21.9           | M 16x1.5 | 90        | 24.0       |
| DS-SGE 15-ML/EDE | 15         | L 400        | 27             | 30             | 27             | 36             | 20.5           | 18.5           | 39.5           | 23             | 12 | 3.0 | 23.9           | M 18x1.5 | 110       | 34.7       |
| DS-SGE 18-ML/EDE | 18         | L 400        | 32             | 32             | 30             | 37             | 21.0           | 21.5           | 45.0           | 27             | 14 | 4.5 | 26.9           | M 22x1.5 | 150       | 46.8       |
| DS-SGE 22-ML/EDE | 22         | L 250        | 36             | 41             | 36             | 44             | 27.5           | 24.0           | 53.0           | 31             | 16 | 3.5 | 31.9           | M 26x1.5 | 350       | 77.2       |
| DS-SGE 28-ML/EDE | 28         | L 250        | 41             | 50             | 46             | 49             | 32.0           | 30.5           | 66.0           | 39             | 18 | 3.5 | 39.9           | M 33x2   | 400       | 123.8      |
| DS-SGE 35-ML/EDE | 35         | L 250        | 50             | 60             | 55             | 58             | 36.0           | 35.5           | 76.0           | 49             | 20 | 3.5 | 49.9           | M 42x2   | 600       | 207.4      |
| DS-SGE 42-ML/EDE | 42         | L 250        | 60             | 70             | 60             | 63             | 40.5           | 40.5           | 87.0           | 55             | 22 | 3.5 | 55.9           | M 48x2   | 800       | 304.8      |
| DS-SGE 6-MS/EDE  | 6          | S 500        | 17             | 22             | 19             | 31             | 16.5           | 14.0           | 30.0           | 17             | 12 | 3.0 | 16.9           | M 12x1.5 | 50        | 15.1       |
| DS-SGE 8-MS/EDE  | 8          | S 500        | 19             | 22             | 19             | 31             | 16.5           | 14.0           | 30.0           | 19             | 12 | 3.0 | 18.9           | M 14x1.5 | 60        | 16.8       |
| DS-SGE 10-MS/EDE | 10         | S 500        | 22             | 27             | 24             | 35             | 18.5           | 16.5           | 36.0           | 21             | 12 | 3.0 | 21.9           | M 16x1.5 | 90        | 26.5       |
| DS-SGE 12-MS/EDE | 12         | S 500        | 24             | 30             | 27             | 36             | 20.0           | 18.5           | 39.5           | 23             | 12 | 3.0 | 23.9           | M 18x1.5 | 110       | 33.5       |
| DS-SGE 16-MS/EDE | 16         | S 500        | 30             | 32             | 30             | 40             | 22.0           | 21.5           | 45.0           | 27             | 14 | 4.5 | 26.9           | M 22x1.5 | 150       | 49.2       |
| DS-SGE 20-MS/EDE | 20         | S 400        | 36             | 41             | 36             | 48             | 26.5           | 24.0           | 53.0           | 32             | 16 | 3.5 | 32.9           | M 27x2   | 350       | 84.8       |
| DS-SGE 25-MS/EDE | 25         | S 400        | 46             | 50             | 46             | 56             | 31.5           | 30.5           | 66.0           | 39             | 18 | 3.5 | 39.9           | M 33x2   | 400       | 153.5      |
| DS-SGE 30-MS/EDE | 30         | S 400        | 50             | 60             | 55             | 64             | 37.0           | 35.5           | 76.0           | 49             | 20 | 3.5 | 49.9           | M 42x2   | 600       | 231.3      |
| DS-SGE 38-MS/EDE | 38         | S 400        | 60             | 70             | 60             | 72             | 41.5           | 40.5           | 87.0           | 55             | 22 | 3.5 | 55.9           | M 48x2   | 800       | 343.0      |

L<sub>2</sub> = approximate length with nut tightened

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