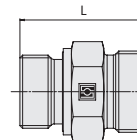
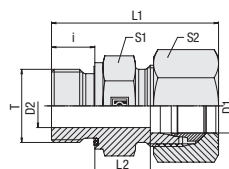


## Straight Male Stud Fitting Type FI-GE-...-R-WD • Series L



C

### Ordering Codes

#### \*FI-GE\*-10\*L\*R\*-WD\*-B\*-W3\*-MS

|                                                                         |                                                                                                                                                                                  |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| * Straight Male Stud Fitting                                            | FI-GE                                                                                                                                                                            |
| * Outside Tube Diameter D1 (in mm)                                      | -10                                                                                                                                                                              |
| * Series                                                                | Light Series (pages 44/45) <b>L</b><br>Heavy Series (pages 46/47) <b>S</b>                                                                                                       |
| * Thread Type                                                           | Whitworth Parallel Pipe Thread (BSPP) <b>R</b>                                                                                                                                   |
| If required, please indicate special sizes, e.g. R1/8!                  |                                                                                                                                                                                  |
| * Seal Type                                                             | Profile Sealing Ring <b>-WD</b>                                                                                                                                                  |
| * Seal Material                                                         | NBR (Buna-N®) <b>-B</b><br>FKM (Viton®) <b>-V</b><br>EPDM <b>-E</b>                                                                                                              |
| * Material Code                                                         | Steel, zinc/nickel-plated <b>-W3</b>                                                                                                                                             |
| Please contact STAUFF for alternative materials and surface finishings. |                                                                                                                                                                                  |
| * Assembling / Kitting                                                  | Fitting body only <b>—</b><br>Fitting body supplied with cutting ring and union nut <b>-MS</b><br>Fitting body supplied with soft-sealing cutting ring and union nut <b>-MSV</b> |

### Connecting Parts

|  |                                                  |         |
|--|--------------------------------------------------|---------|
|  | Cutting Ring<br>Type <b>FI-DS</b>                | Page 26 |
|  | Soft-Sealing Cutting Ring<br>Type <b>FI-WDDS</b> | Page 27 |
|  | Support Sleeve<br>Type <b>FI-VH</b>              | Page 28 |
|  | STAUFF Form Ring<br>Type <b>FI-AR</b>            | Page 30 |
|  | Union Nut<br>Type <b>FI-M</b>                    | Page 31 |
|  | 37° Flared Tube Fitting Set<br>Type <b>FI-AB</b> | Page 35 |

### Spare Parts / Accessories

|  |                                         |          |
|--|-----------------------------------------|----------|
|  | Profile Sealing Ring<br>Type <b>WDG</b> | Page 206 |
|--|-----------------------------------------|----------|

### Whitworth Parallel Pipe Thread (BSPP)

### Profile Sealing Ring

| Series | Tube OD<br>(mm/in)<br>D1 | PN<br>(bar/psi) | Dimensions<br>(mm/in)<br>Thread T | D2  | i   | L    | L1 <sup>1</sup> | L2   | S1   | S2   | Torque<br>(Nm/lb-ft)<br>Thread T | Weight<br>(kg/lbs) ca.<br>per 100 <sup>2</sup> | Ordering Codes <sup>3</sup> |
|--------|--------------------------|-----------------|-----------------------------------|-----|-----|------|-----------------|------|------|------|----------------------------------|------------------------------------------------|-----------------------------|
| L      | 6                        | 500             | G 1/8                             | 4   | 8   | 23,5 | 31,5            | 8,5  | 14   | 14   | 18                               | 1,33                                           | FI-GE-06LR-WD-B-W3          |
|        | .24                      | 7250            |                                   | .16 | .31 | .93  | 1.24            | .33  | .55  | .55  | 13.3                             | 2.93                                           |                             |
|        | 6                        | 500             | G 1/4                             | 4   | 12  | 29   | 37              | 10   | 19   | 14   | 35                               | 2,74                                           | FI-GE-06LR1/4-WD-B-W3       |
|        | .24                      | 7250            |                                   | .16 | .47 | 1.14 | 1.46            | .39  | .75  | .55  | 25.9                             | 6.04                                           |                             |
|        | 6                        | 400             | G 3/8                             | 4   | 12  | 30,5 | 38,5            | 11,5 | 22   | 14   | 70                               | 4,03                                           | FI-GE-06LR3/8-WD-B-W3       |
|        | .24                      | 5800            |                                   | .16 | .47 | 1.20 | 1.52            | .45  | .87  | .55  | 51.8                             | 8.87                                           |                             |
|        | 6                        | 400             | G 1/2                             | 4   | 14  | 33   | 41              | 12   | 27   | 14   | 90                               | 6,37                                           | FI-GE-06LR1/2-WD-B-W3       |
|        | .24                      | 5800            |                                   | .16 | .55 | 1.30 | 1.61            | .47  | 1.06 | .55  | 66.6                             | 14.01                                          |                             |
|        | 8                        | 500             | G 1/8                             | 4   | 8   | 24,5 | 32,5            | 9,5  | 14   | 17   | 18                               | 1,61                                           | FI-GE-08LR1/8-WD-B-W3       |
|        | .31                      | 7250            |                                   | .16 | .31 | .96  | 1.28            | .37  | .55  | .67  | 13.3                             | 3.53                                           |                             |
|        | 8                        | 500             | G 1/4                             | 6   | 12  | 29   | 37              | 10   | 19   | 17   | 35                               | 2,65                                           | FI-GE-08LR-WD-B-W3          |
|        | .31                      | 7250            |                                   | .24 | .47 | 1.14 | 1.46            | .39  | .75  | .67  | 25.9                             | 5.83                                           |                             |
|        | 8                        | 400             | G 3/8                             | 6   | 12  | 30,5 | 38,5            | 11,5 | 22   | 17   | 70                               | 4,35                                           | FI-GE-08LR3/8-WD-B-W3       |
|        | .31                      | 5800            |                                   | .24 | .47 | 1.20 | 1.52            | .45  | .87  | .67  | 51.8                             | 9.57                                           |                             |
|        | 8                        | 400             | G 1/2                             | 6   | 14  | 33   | 41              | 12   | 27   | 17   | 90                               | 6,58                                           | FI-GE-08LR1/2-WD-B-W3       |
|        | .31                      | 5800            |                                   | .24 | .55 | 1.30 | 1.61            | .47  | 1.06 | .67  | 66.6                             | 14.48                                          |                             |
|        | 10                       | 500             | G 1/8                             | 4   | 8   | 25,5 | 33,5            | 10,5 | 17   | 19   | 18                               | 2,05                                           | FI-GE-10LR1/8-WD-B-W3       |
|        | .39                      | 7250            |                                   | .16 | .31 | 1.00 | 1.32            | .41  | .67  | .75  | 13.3                             | 4.52                                           |                             |
|        | 10                       | 500             | G 1/4                             | 6   | 12  | 30   | 38              | 11   | 19   | 19   | 35                               | 2,88                                           | FI-GE-10LR-WD-B-W3          |
|        | .39                      | 7250            |                                   | .24 | .47 | 1.18 | 1.50            | .43  | .75  | .75  | 25.9                             | 6.34                                           |                             |
|        | 10                       | 400             | G 3/8                             | 8   | 12  | 31,5 | 39,5            | 12,5 | 22   | 19   | 70                               | 4,15                                           | FI-GE-10LR3/8-WD-B-W3       |
|        | .39                      | 5800            |                                   | .31 | .47 | 1.24 | 1.56            | .49  | .87  | .75  | 51.8                             | 9.12                                           |                             |
|        | 10                       | 400             | G 1/2                             | 8   | 14  | 34   | 42              | 13   | 27   | 19   | 90                               | 7,10                                           | FI-GE-10LR1/2-WD-B-W3       |
|        | .39                      | 5800            |                                   | .31 | .55 | 1.34 | 1.65            | .51  | 1.06 | .75  | 66.6                             | 15.61                                          |                             |
|        | 12                       | 400             | G 1/8                             | 4   | 8   | 26,5 | 34,5            | 11,5 | 19   | 22   | 18                               | 2,55                                           | FI-GE-12LR1/8-WD-B-W3       |
|        | .47                      | 5800            |                                   | .16 | .31 | 1.04 | 1.36            | .45  | .75  | .87  | 13.3                             | 5.61                                           |                             |
|        | 12                       | 400             | G 1/4                             | 6   | 12  | 31   | 39              | 12   | 19   | 22   | 35                               | 3,05                                           | FI-GE-12LR1/4-WD-B-W3       |
|        | .47                      | 5800            |                                   | .24 | .47 | 1.22 | 1.54            | .47  | .75  | .87  | 25.9                             | 6.70                                           |                             |
|        | 12                       | 400             | G 3/8                             | 9   | 12  | 31,5 | 39,5            | 12,5 | 22   | 22   | 70                               | 4,14                                           | FI-GE-12LR-WD-B-W3          |
|        | .47                      | 5800            |                                   | .35 | .47 | 1.24 | 1.56            | .49  | .87  | .87  | 51.8                             | 9.10                                           |                             |
|        | 12                       | 400             | G 1/2                             | 10  | 14  | 34   | 42              | 13   | 27   | 22   | 90                               | 6,65                                           | FI-GE-12LR1/2-WD-B-W3       |
|        | .47                      | 5800            |                                   | .39 | .55 | 1.34 | 1.65            | .51  | 1.06 | .87  | 66.6                             | 14.63                                          |                             |
|        | 12                       | 250             | G 3/4                             | 10  | 16  | 37   | 45              | 14   | 32   | 22   | 180                              | 9,25                                           | FI-GE-12LR3/4-WD-B-W3       |
|        | .47                      | 3625            |                                   | .39 | .63 | 1.46 | 1.77            | .55  | 1.26 | .87  | 133.2                            | 20.34                                          |                             |
|        | 15                       | 400             | G 1/4                             | 7   | 12  | 31,5 | 39,5            | 12,5 | 22   | 27   | 35                               | 4,07                                           | FI-GE-15LR1/4-WD-B-W3       |
|        | .59                      | 5800            |                                   | .28 | .47 | 1.24 | 1.56            | .49  | .87  | 1.06 | 25.9                             | 8.95                                           |                             |
|        | 15                       | 400             | G 3/8                             | 9   | 12  | 32,5 | 40,5            | 13,5 | 24   | 27   | 70                               | 5,32                                           | FI-GE-15LR3/8-WD-B-W3       |
|        | .59                      | 5800            |                                   | .35 | .47 | 1.28 | 1.59            | .53  | .94  | 1.06 | 51.8                             | 11.70                                          |                             |
|        | 15                       | 400             | G 1/2                             | 12  | 14  | 35   | 43              | 14   | 27   | 27   | 90                               | 6,62                                           | FI-GE-15LR-WD-B-W3          |
|        | .59                      | 5800            |                                   | .47 | .55 | 1.38 | 1.69            | .55  | 1.06 | 1.06 | 66.6                             | 14.56                                          |                             |
|        | 15                       | 250             | G 3/4                             | 12  | 16  | 38   | 46              | 15   | 32   | 27   | 180                              | 11,80                                          | FI-GE-15LR3/4-WD-B-W3       |
|        | .59                      | 3625            |                                   | .47 | .63 | 1.50 | 1.81            | .59  | 1.26 | 1.06 | 133.2                            | 25.96                                          |                             |
|        | 18                       | 400             | G 3/8                             | 9   | 12  | 33,5 | 42,5            | 14   | 27   | 32   | 70                               | 6,56                                           | FI-GE-18LR3/8-WD-B-W3       |
|        | .71                      | 5800            |                                   | .35 | .47 | 1.32 | 1.67            | .55  | 1.06 | 1.26 | 51.8                             | 14.44                                          |                             |
|        | 18                       | 400             | G 1/2                             | 14  | 14  | 36   | 45              | 14,5 | 27   | 32   | 90                               | 7,01                                           | FI-GE-18LR-WD-B-W3          |
|        | .71                      | 5800            |                                   | .55 | .55 | 1.42 | 1.77            | .57  | 1.06 | 1.26 | 66.6                             | 15.41                                          |                             |
|        | 18                       | 250             | G 3/4                             | 15  | 16  | 38   | 47              | 14,5 | 32   | 32   | 180                              | 10,89                                          | FI-GE-18LR3/4-WD-B-W3       |
|        | .71                      | 3625            |                                   | .59 | .63 | 1.50 | 1.85            | .57  | 1.26 | 1.26 | 133.2                            | 23.96                                          |                             |

<sup>1</sup> Approximate dimension in assembled condition.

<sup>2</sup> Weight excluding cutting ring and union nut.

<sup>3</sup> Standard scope of delivery: Fitting body only.

Male stud acc. to ISO 1179-2 (Type E)

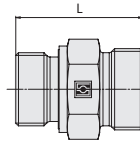
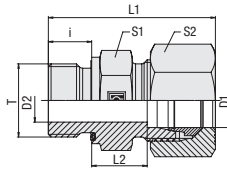
Port acc. to ISO 1179-1

Torque recommendations for Steel mating material.

Standard seal material is NBR (Buna-N®).



## Straight Male Stud Fitting Type FI-GE-...-R-WD • Series L



C

### Profile Sealing Ring

### Whitworth Parallel Pipe Thread (BSPP)

| Series | Tube OD                           | PN                                  | Dimensions                        |      |     |      |                 |      |      |      |          | Torque                                | Weight                                 | Ordering Codes <sup>3</sup> |
|--------|-----------------------------------|-------------------------------------|-----------------------------------|------|-----|------|-----------------|------|------|------|----------|---------------------------------------|----------------------------------------|-----------------------------|
|        | ( <sup>mm</sup> / <sub>in</sub> ) | ( <sup>bar</sup> / <sub>PSI</sub> ) | ( <sup>mm</sup> / <sub>in</sub> ) |      |     |      |                 |      |      |      |          | ( <sup>N-m</sup> / <sub>ft-lb</sub> ) | ( <sup>kg</sup> / <sub>lbs</sub> ) CA. |                             |
|        | D1                                |                                     | Thread T                          | D2   | i   | L    | L1 <sup>1</sup> | L2   | S1   | S2   | Thread T | per 100 <sup>2</sup>                  |                                        |                             |
| L      | 22                                | 250                                 | G 1/2                             | 14   | 14  | 38   | 47              | 16,5 | 32   | 36   | 90       | 8,75                                  | FI-GE-22LR1/2-WD-B-W3                  |                             |
|        | .87                               | 3625                                |                                   | .55  | .55 | 1.50 | 1.85            | .65  | 1.26 | 1.42 | 66.6     | 19.25                                 |                                        |                             |
|        | 22                                | 250                                 | G 3/4                             | 18   | 16  | 40   | 49              | 16.5 | 32   | 36   | 180      | 10,28                                 | FI-GE-22LR-WD-B-W3                     |                             |
|        | .87                               | 3625                                |                                   | .71  | .63 | 1.57 | 1.93            | .65  | 1.26 | 1.42 | 133.2    | 22.61                                 |                                        |                             |
|        | 22                                | 250                                 | G 1                               | 19   | 18  | 43   | 52              | 17,5 | 41   | 36   | 310      | 18,57                                 | FI-GE-22LR1-WD-B-W3                    |                             |
|        | .87                               | 3625                                |                                   | .75  | .71 | 1.69 | 2.05            | .69  | 1.61 | 1.42 | 229.4    | 40.85                                 |                                        |                             |
|        | 28                                | 250                                 | G 3/4                             | 18   | 16  | 41   | 50              | 17,5 | 41   | 41   | 180      | 14,97                                 | FI-GE-28LR3/4-WD-B-W3                  |                             |
|        | 1.10                              | 3625                                |                                   | .71  | .63 | 1.61 | 1.97            | .69  | 1.61 | 1.61 | 133.2    | 32.93                                 |                                        |                             |
|        | 28                                | 250                                 | G 1                               | 24   | 18  | 43   | 52              | 17,5 | 41   | 41   | 310      | 15,83                                 | FI-GE-28LR-WD-B-W3                     |                             |
|        | 1.10                              | 3625                                |                                   | .94  | .71 | 1.69 | 2.05            | .69  | 1.61 | 1.61 | 229.4    | 34.82                                 |                                        |                             |
|        | 28                                | 250                                 | G 1 1/4                           | 24   | 20  | 45   | 54              | 17,5 | 50   | 41   | 450      | 13,40                                 | FI-GE-28LR1-1/4-WD-B-W3                |                             |
|        | 1.10                              | 3625                                |                                   | .94  | .79 | 1.77 | 2.13            | .69  | 1.97 | 1.61 | 333.0    | 29.48                                 |                                        |                             |
|        | 35                                | 250                                 | G 3/4                             | 18   | 16  | 44   | 55              | 17   | 46   | 50   | 180      | 20,71                                 | FI-GE-35LR3/4-WD-B-W3                  |                             |
|        | 1.38                              | 3625                                |                                   | .71  | .63 | 1.73 | 2.17            | .67  | 1.81 | 1.97 | 133.2    | 45.56                                 |                                        |                             |
|        | 35                                | 250                                 | G 1                               | 23   | 18  | 46   | 57              | 17,5 | 46   | 50   | 310      | 22,15                                 | FI-GE-35LR1-WD-B-W3                    |                             |
|        | 1.38                              | 3625                                |                                   | .91  | .71 | 1.81 | 2.24            | .69  | 1.81 | 1.97 | 229.4    | 48.74                                 |                                        |                             |
|        | 35                                | 250                                 | G 1 1/4                           | 30   | 20  | 48   | 59              | 17,5 | 50   | 50   | 450      | 27,23                                 | FI-GE-35LR-WD-B-W3                     |                             |
|        | 1.38                              | 3625                                |                                   | 1.18 | .79 | 1.89 | 2.32            | .69  | 1.97 | 1.97 | 333.0    | 59.90                                 |                                        |                             |
|        | 35                                | 250                                 | G 1 1/2                           | 30   | 22  | 52   | 63              | 19,5 | 55   | 50   | 540      | 42,18                                 | FI-GE-35LR1-1/2-WD-B-W3                |                             |
|        | 1.38                              | 3625                                |                                   | 1.18 | .87 | 2.05 | 2.48            | .77  | 2.17 | 1.97 | 399.6    | 92.80                                 |                                        |                             |
|        | 42                                | 250                                 | G 1                               | 23   | 18  | 48   | 60              | 19   | 55   | 60   | 310      | 31,72                                 | FI-GE-42LR1-WD-B-W3                    |                             |
|        | 1.65                              | 3625                                |                                   | .91  | .71 | 1.89 | 2.36            | .75  | 2.17 | 2.36 | 229.4    | 69.78                                 |                                        |                             |
|        | 42                                | 250                                 | G 1 1/4                           | 30   | 20  | 50   | 62              | 19   | 55   | 60   | 450      | 34,03                                 | FI-GE-42LR1-1/4-WD-B-W3                |                             |
|        | 1.65                              | 3625                                |                                   | 1.18 | .79 | 1.97 | 2.44            | .75  | 2.17 | 2.36 | 333.0    | 74.87                                 |                                        |                             |
|        | 42                                | 250                                 | G 1 1/2                           | 36   | 22  | 52   | 64              | 19   | 55   | 60   | 540      | 34,37                                 | FI-GE-42LR-WD-B-W3                     |                             |
|        | 1.65                              | 3625                                |                                   | 1.42 | .87 | 2.05 | 2.52            | .75  | 2.17 | 2.36 | 399.6    | 75.62                                 |                                        |                             |

<sup>1</sup> Approximate dimension in assembled condition.

<sup>2</sup> Weight excluding cutting ring and union nut.

<sup>3</sup> Standard scope of delivery: Fitting body only.

Male stud acc. to ISO 1179-2 (Type E)

Port acc. to ISO 1179-1

Torque recommendations for Steel mating material.

Standard seal material is NBR (Buna-N®).

### Ordering Codes

**\*FI-GE\*-10\*L\*R\*-WD\*-B\*-W3\*-MS**

\* Straight Male Stud Fitting FI-GE

\* Outside Tube Diameter D1 (in mm) -10

\* Series Light Series (pages 44/45) L  
Heavy Series (pages 46/47) S

\* Thread Type Whitworth Parallel Pipe Thread (BSPP) R

If required, please indicate special sizes, e.g. R1/8!

\* Seal Type Profile Sealing Ring -WD

\* Seal Material NBR (Buna-N®) -B  
FKM (Viton®) -V  
EPDM -E

\* Material Code Steel, zinc/nickel-plated -W3

Please contact STAUFF for alternative materials and surface finishings.

\* Assembling / Kitting Fitting body only —

Fitting body supplied with cutting ring and union nut -MS

Fitting body supplied with soft-sealing cutting ring and union nut -MSV

### Connecting Parts


Cutting Ring  
Type FI-DS Page 26

Soft-Sealing Cutting Ring  
Type FI-WDDS Page 27

Support Sleeve  
Type FI-VH Page 28

STAUFF Form Ring  
Type FI-AR Page 30

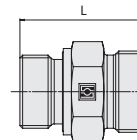
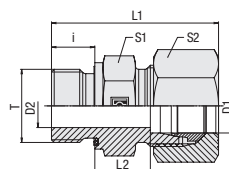
Union Nut  
Type FI-M Page 31

37° Flared Tube Fitting Set  
Type FI-AB Page 35

### Spare Parts / Accessories


Profile Sealing Ring  
Type WDG Page 206


## Straight Male Stud Fitting Type FI-GE-...-R-WD • Series S



C

### Ordering Codes

#### \*FI-GE\*-10\*L\*R\*-WD\*-B\*-W3\*-MS

|                                                                         |                                                                                                                                                                                  |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| * Straight Male Stud Fitting                                            | FI-GE                                                                                                                                                                            |
| * Outside Tube Diameter D1 (in mm)                                      | -10                                                                                                                                                                              |
| * Series                                                                | Light Series (pages 44/45) <b>L</b><br>Heavy Series (pages 46/47) <b>S</b>                                                                                                       |
| * Thread Type                                                           | Whitworth Parallel Pipe Thread (BSPP) <b>R</b>                                                                                                                                   |
| If required, please indicate special sizes, e.g. R1/8!                  |                                                                                                                                                                                  |
| * Seal Type                                                             | Profile Sealing Ring <b>-WD</b>                                                                                                                                                  |
| * Seal Material                                                         | NBR (Buna-N®) <b>-B</b><br>FKM (Viton®) <b>-V</b><br>EPDM <b>-E</b>                                                                                                              |
| * Material Code                                                         | Steel, zinc/nickel-plated <b>-W3</b>                                                                                                                                             |
| Please contact STAUFF for alternative materials and surface finishings. |                                                                                                                                                                                  |
| * Assembling / Kitting                                                  | Fitting body only <b>—</b><br>Fitting body supplied with cutting ring and union nut <b>-MS</b><br>Fitting body supplied with soft-sealing cutting ring and union nut <b>-MSV</b> |

### Connecting Parts

|  |                                                  |         |
|--|--------------------------------------------------|---------|
|  | Cutting Ring<br>Type <b>FI-DS</b>                | Page 26 |
|  | Soft-Sealing Cutting Ring<br>Type <b>FI-WDDS</b> | Page 27 |
|  | Support Sleeve<br>Type <b>FI-VH</b>              | Page 28 |
|  | STAUFF Form Ring<br>Type <b>FI-AR</b>            | Page 30 |
|  | Union Nut<br>Type <b>FI-M</b>                    | Page 31 |
|  | 37° Flared Tube Fitting Set<br>Type <b>FI-AB</b> | Page 35 |

### Spare Parts / Accessories

|  |                                         |          |
|--|-----------------------------------------|----------|
|  | Profile Sealing Ring<br>Type <b>WDG</b> | Page 206 |
|--|-----------------------------------------|----------|

### Whitworth Parallel Pipe Thread (BSPP)

### Profile Sealing Ring

| Series | Tube OD<br>(mm/in)<br>D1 | PN<br>(bar/psi) | Dimensions<br>(mm/in)<br>Thread T | D2  | i   | L    | L1 <sup>1</sup> | L2   | S1   | S2   | Torque<br>(Nm/lb-ft)<br>Thread T | Weight<br>(kg/lbs) ca.<br>per 100 <sup>2</sup> | Ordering Codes <sup>3</sup> |
|--------|--------------------------|-----------------|-----------------------------------|-----|-----|------|-----------------|------|------|------|----------------------------------|------------------------------------------------|-----------------------------|
| S      | 6                        | 800             | G 1/8                             | 4   | 8   | 27,5 | 35,5            | 12,5 | 14   | 17   | 25                               | 2,49                                           | FI-GE-06SR1/8-WD-B-W3       |
|        | .24                      | 11600           |                                   | .16 | .31 | 1.08 | 1.40            | .49  | .55  | .67  | 18.5                             | 5.48                                           |                             |
|        | 6                        | 800             | G 1/4                             | 4   | 12  | 32   | 40              | 13   | 19   | 17   | 55                               | 3,46                                           | FI-GE-06SR-WD-B-W3          |
|        | .24                      | 11600           |                                   | .16 | .47 | 1.26 | 1.57            | .51  | .75  | .67  | 40.7                             | 7.61                                           |                             |
|        | 6                        | 800             | G 3/8                             | 4   | 12  | 34,5 | 42,5            | 15,5 | 22   | 17   | 80                               | 5,63                                           | FI-GE-06SR3/8-WD-B-W3       |
|        | .24                      | 11600           |                                   | .16 | .47 | 1.36 | 1.67            | .61  | .87  | .67  | 59.2                             | 12.38                                          |                             |
|        | 6                        | 800             | G 1/2                             | 4   | 14  | 39   | 47              | 18   | 27   | 17   | 115                              | 8,22                                           | FI-GE-06SR1/2-WD-B-W3       |
|        | .24                      | 11600           |                                   | .16 | .55 | 1.54 | 1.85            | .71  | 1.06 | .67  | 85.1                             | 18.09                                          |                             |
|        | 8                        | 800             | G 1/8                             | 4   | 8   | 29,5 | 37,5            | 14,5 | 19   | 19   | 25                               | 3,41                                           | FI-GE-08SR1/8-WD-B-W3       |
|        | .31                      | 11600           |                                   | .16 | .31 | 1.16 | 1.48            | .57  | .75  | .75  | 18.5                             | 7.49                                           |                             |
|        | 8                        | 800             | G 1/4                             | 5   | 12  | 34   | 42              | 15   | 19   | 19   | 55                               | 4,00                                           | FI-GE-08SR-WD-B-W3          |
|        | .31                      | 11600           |                                   | .20 | .47 | 1.34 | 1.65            | .59  | .75  | .75  | 40.7                             | 8.80                                           |                             |
|        | 8                        | 800             | G 3/8                             | 5   | 12  | 34,5 | 42,5            | 15,5 | 22   | 19   | 80                               | 5,72                                           | FI-GE-08SR3/8-WD-B-W3       |
|        | .31                      | 11600           |                                   | .20 | .47 | 1.36 | 1.67            | .61  | .87  | .75  | 59.2                             | 12.58                                          |                             |
|        | 8                        | 800             | G 1/2                             | 5   | 14  | 39   | 47              | 18   | 27   | 19   | 115                              | 9,92                                           | FI-GE-08SR1/2-WD-B-W3       |
|        | .31                      | 11600           |                                   | .20 | .55 | 1.54 | 1.85            | .71  | 1.06 | .75  | 85.1                             | 21.82                                          |                             |
|        | 10                       | 800             | G 1/4                             | 5   | 12  | 34   | 43              | 14,5 | 19   | 22   | 55                               | 4,22                                           | FI-GE-10SR1/4-WD-B-W3       |
|        | .39                      | 11600           |                                   | .20 | .47 | 1.34 | 1.69            | .57  | .75  | .87  | 40.7                             | 9.28                                           |                             |
|        | 10                       | 800             | G 3/8                             | 7   | 12  | 34,5 | 43,5            | 15   | 22   | 22   | 80                               | 5,60                                           | FI-GE-10SR-WD-B-W3          |
|        | .39                      | 11600           |                                   | .28 | .47 | 1.36 | 1.71            | .59  | .87  | .87  | 59.2                             | 12.31                                          |                             |
|        | 10                       | 800             | G 1/2                             | 7   | 14  | 39   | 47              | 17,5 | 27   | 22   | 115                              | 9,57                                           | FI-GE-10SR1/2-WD-B-W3       |
|        | .39                      | 11600           |                                   | .28 | .55 | 1.54 | 1.85            | .69  | 1.06 | .87  | 85.1                             | 21.06                                          |                             |
|        | 12                       | 630             | G 1/4                             | 5   | 12  | 36   | 44              | 16,5 | 22   | 24   | 55                               | 5,60                                           | FI-GE-12SR1/4-WD-B-W3       |
|        | .47                      | 9135            |                                   | .20 | .47 | 1.42 | 1.73            | .65  | .87  | .94  | 40.7                             | 12.32                                          |                             |
|        | 12                       | 630             | G 3/8                             | 8   | 12  | 36,5 | 45              | 17   | 22   | 24   | 80                               | 6,25                                           | FI-GE-12SR-WD-B-W3          |
|        | .47                      | 9135            |                                   | .31 | .47 | 1.44 | 1.77            | .67  | .87  | .94  | 59.2                             | 13.75                                          |                             |
|        | 12                       | 630             | G 1/2                             | 8   | 14  | 39   | 48              | 17,5 | 27   | 24   | 115                              | 9,52                                           | FI-GE-12SR1/2-WD-B-W3       |
|        | .47                      | 9135            |                                   | .31 | .55 | 1.54 | 1.89            | .69  | 1.06 | .94  | 85.1                             | 20.95                                          |                             |
|        | 12                       | 630             | G 3/4                             | 8   | 16  | 41   | 50              | 17,5 | 32   | 24   | 180                              | 12,83                                          | FI-GE-12SR3/4-WD-B-W3       |
|        | .47                      | 9135            |                                   | .31 | .63 | 1.61 | 1.97            | .69  | 1.26 | .94  | 133.2                            | 28.22                                          |                             |
|        | 14                       | 630             | G 3/8                             | 8   | 12  | 38,5 | 48,5            | 18,5 | 24   | 27   | 80                               | 5,03                                           | FI-GE-14SR3/8-WD-B-W3       |
|        | .55                      | 9135            |                                   | .31 | .47 | 1.52 | 1.91            | .73  | .94  | 1.06 | 59.2                             | 11.07                                          |                             |
|        | 14                       | 630             | G 1/2                             | 10  | 14  | 41   | 51              | 19   | 27   | 27   | 115                              | 9,67                                           | FI-GE-14SR-WD-B-W3          |
|        | .55                      | 9135            |                                   | .39 | .55 | 1.61 | 2.01            | .75  | 1.06 | 1.06 | 85.1                             | 21.27                                          |                             |
|        | 14                       | 630             | G 3/4                             | 10  | 16  | 45   | 55              | 21   | 32   | 27   | 180                              | 14,90                                          | FI-GE-14SR3/4-WD-B-W3       |
|        | .55                      | 9135            |                                   | .39 | .63 | 1.77 | 2.17            | .83  | 1.26 | 1.06 | 133.2                            | 32.78                                          |                             |
|        | 16                       | 630             | G 1/4                             | 7   | 12  | 38   | 48              | 17,5 | 27   | 30   | 55                               | 8,12                                           | FI-GE-16SR1/4-WD-B-W3       |
|        | .63                      | 9135            |                                   | .28 | .47 | 1.50 | 1.89            | .69  | 1.06 | 1.18 | 40.7                             | 17.86                                          |                             |
|        | 16                       | 630             | G 3/8                             | 8   | 12  | 38,5 | 48,5            | 18   | 27   | 30   | 80                               | 7,53                                           | FI-GE-16SR3/8-WD-B-W3       |
|        | .63                      | 9135            |                                   | .31 | .47 | 1.52 | 1.91            | .71  | 1.06 | 1.18 | 59.2                             | 16.57                                          |                             |
|        | 16                       | 630             | G 1/2                             | 12  | 14  | 41   | 51              | 18,5 | 27   | 30   | 115                              | 9,08                                           | FI-GE-16SR-WD-B-W3          |
|        | .63                      | 9135            |                                   | .47 | .55 | 1.61 | 2.01            | .73  | 1.06 | 1.18 | 85.1                             | 19.98                                          |                             |
|        | 16                       | 630             | G 3/4                             | 12  | 16  | 45   | 55              | 20,5 | 32   | 30   | 180                              | 15,51                                          | FI-GE-16SR3/4-WD-B-W3       |
|        | .63                      | 9135            |                                   | .47 | .63 | 1.77 | 2.17            | .81  | 1.26 | 1.18 | 133.2                            | 34.13                                          |                             |
|        | 16                       | 400             | G 1                               | 12  | 18  | 49   | 59              | 22,5 | 41   | 30   | 310                              | 25,20                                          | FI-GE-16SR1-WD-B-W3         |
|        | .63                      | 5800            |                                   | .47 | .71 | 1.93 | 2.32            | .89  | 1.61 | 1.18 | 229.4                            | 55.43                                          |                             |

<sup>1</sup> Approximate dimension in assembled condition.

<sup>2</sup> Weight excluding cutting ring and union nut.

<sup>3</sup> Standard scope of delivery: Fitting body only.

Male stud acc. to ISO 1179-2 (Type E)

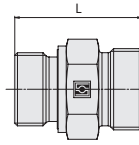
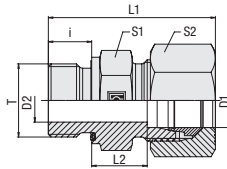
Port acc. to ISO 1179-1

Torque recommendations for Steel mating material.

Standard seal material is NBR (Buna-N®).



# Straight Male Stud Fitting Type FI-GE-...-R-WD • Series S



C

## Profile Sealing Ring

## Whitworth Parallel Pipe Thread (BSPP)

| Series | Tube OD                           | PN                                  | Dimensions                        |        |      |      |      |      |                 |       |        | Torque | Weight                                | Ordering Codes <sup>3</sup> |                                        |
|--------|-----------------------------------|-------------------------------------|-----------------------------------|--------|------|------|------|------|-----------------|-------|--------|--------|---------------------------------------|-----------------------------|----------------------------------------|
|        | ( <sup>mm</sup> / <sub>in</sub> ) | ( <sup>bar</sup> / <sub>PSI</sub> ) | ( <sup>mm</sup> / <sub>in</sub> ) | Thread | T    | D2   | i    | L    | L1 <sup>1</sup> | L2    | S1     | S2     | ( <sup>N·m</sup> / <sub>ft·lb</sub> ) |                             | ( <sup>kg</sup> / <sub>lbs</sub> ) ca. |
| S      | D1                                |                                     |                                   |        |      |      |      |      |                 |       |        |        | Thread T                              | per 100 <sup>2</sup>        |                                        |
|        | 20                                | 400                                 | G1/2                              | 12     | 14   | 45   | 56   | 2.5  | 32              | 36    | 115    | 13,76  | FI-GE-20SR1/2-WD-B-W3                 |                             |                                        |
|        | .79                               | 5800                                |                                   | .47    | .55  | 1.77 | 2.20 | .81  | 1.26            | 1.42  | 85.1   | 30.28  |                                       |                             |                                        |
|        | 20                                | 400                                 | G3/4                              | 16     | 16   | 47   | 58   | 2.5  | 32              | 36    | 180    | 14,86  | FI-GE-20SR-WD-B-W3                    |                             |                                        |
|        | .79                               | 5800                                |                                   | .63    | .63  | 1.85 | 2.28 | .81  | 1.26            | 1.42  | 133.2  | 32.70  |                                       |                             |                                        |
|        | 20                                | 400                                 | G1                                | 16     | 18   | 51   | 62   | 22,5 | 41              | 36    | 310    | 21,90  | FI-GE-20SR1-WD-B-W3                   |                             |                                        |
|        | .79                               | 5800                                |                                   | .63    | .71  | 2.01 | 2.44 | .89  | 1.61            | 1.42  | 229.4  | 48.19  |                                       |                             |                                        |
|        | 20                                | 400                                 | G1 1/4                            | 16     | 20   | 53   | 64   | 22,5 | 50              | 36    | 450    | 13,50  | FI-GE-20SR1-1/4-WD-B-W3               |                             |                                        |
|        | .79                               | 5800                                |                                   | .63    | .79  | 2.09 | 2.52 | .89  | 1.97            | 1.42  | 333.0  | 29.70  |                                       |                             |                                        |
|        | 25                                | 400                                 | G1/2                              | 12     | 14   | 49   | 61   | 23   | 41              | 46    | 115    | 23,49  | FI-GE-25SR1/2-WD-B-W3                 |                             |                                        |
|        | .98                               | 5800                                |                                   | .47    | .55  | 1.93 | 2.40 | .91  | 1.61            | 1.81  | 85.1   | 51.68  |                                       |                             |                                        |
|        | 25                                | 400                                 | G3/4                              | 16     | 16   | 51   | 63   | 23   | 41              | 46    | 180    | 20,33  | FI-GE-25SR3/4-WD-B-W3                 |                             |                                        |
|        | .98                               | 5800                                |                                   | .63    | .63  | 2.01 | 2.48 | .91  | 1.61            | 1.81  | 133.2  | 44.73  |                                       |                             |                                        |
|        | 25                                | 400                                 | G1                                | 20     | 18   | 53   | 65   | 23   | 41              | 46    | 310    | 26,75  | FI-GE-25SR-WD-B-W3                    |                             |                                        |
|        | .98                               | 5800                                |                                   | .79    | .71  | 2.09 | 2.56 | .91  | 1.61            | 1.81  | 229.4  | 58.84  |                                       |                             |                                        |
|        | 25                                | 400                                 | G1 1/4                            | 20     | 20   | 55   | 67   | 23   | 50              | 46    | 450    | 23,28  | FI-GE-25SR1-1/4-WD-B-W3               |                             |                                        |
|        | .98                               | 5800                                |                                   | .79    | .79  | 2.17 | 2.64 | .91  | 1.97            | 1.81  | 333.0  | 51.22  |                                       |                             |                                        |
|        | 30                                | 400                                 | G3/4                              | 16     | 16   | 53   | 66   | 23,5 | 46              | 50    | 180    | 31,16  | FI-GE-30SR3/4-WD-B-W3                 |                             |                                        |
|        | 1.18                              | 5800                                |                                   | .63    | .63  | 2.09 | 2.60 | .93  | 1.81            | 1.97  | 133.2  | 68.56  |                                       |                             |                                        |
|        | 30                                | 400                                 | G1                                | 20     | 18   | 55   | 68   | 23,5 | 46              | 50    | 310    | 33,20  | FI-GE-30SR1-WD-B-W3                   |                             |                                        |
|        | 1.18                              | 5800                                |                                   | .79    | .71  | 2.17 | 2.68 | .93  | 1.81            | 1.97  | 229.4  | 73.04  |                                       |                             |                                        |
|        | 30                                | 400                                 | G1 1/4                            | 25     | 20   | 57   | 70   | 23,5 | 50              | 50    | 450    | 41,74  | FI-GE-30SR-WD-B-W3                    |                             |                                        |
|        | 1.18                              | 5800                                |                                   | .98    | .79  | 2.24 | 2.76 | .93  | 1.97            | 1.97  | 333.0  | 91.82  |                                       |                             |                                        |
|        | 30                                | 400                                 | G1 1/2                            | 25     | 22   | 62   | 75   | 26,5 | 55              | 50    | 540    | 54,30  | FI-GE-30SR1-1/2-WD-B-W3               |                             |                                        |
|        | 1.18                              | 5800                                |                                   | .98    | .87  | 2.44 | 2.95 | 1.04 | 2.17            | 1.97  | 399.6  | 119.46 |                                       |                             |                                        |
|        | 38                                | 400                                 | G1                                | 20     | 18   | 60   | 75   | 26   | 55              | 50    | 310    | 52,00  | FI-GE-38SR1-WD-B-W3                   |                             |                                        |
|        | 1.50                              | 5800                                |                                   | .79    | .71  | 2.36 | 2.95 | 1.02 | 2.17            | 1.97  | 229.4  | 114.40 |                                       |                             |                                        |
|        | 38                                | 400                                 | G1 1/4                            | 25     | 20   | 62   | 77   | 26   | 55              | 60    | 450    | 57,22  | FI-GE-38SR1-1/4-WD-B-W3               |                             |                                        |
|        | 1.50                              | 5800                                |                                   | .98    | .79  | 2.44 | 3.03 | 1.02 | 2.17            | 2.36  | 333.0  | 125.88 |                                       |                             |                                        |
|        | 38                                | 400                                 | G1 1/2                            | 32     | 22   | 64   | 79   | 26   | 55              | 60    | 540    | 55,90  | FI-GE-38SR-WD-B-W3                    |                             |                                        |
| 1.50   | 5800                              | 1.26                                |                                   | .87    | 2.52 | 3.11 | 1.02 | 2.17 | 2.36            | 399.6 | 122.98 |        |                                       |                             |                                        |

<sup>1</sup> Approximate dimension in assembled condition.

<sup>2</sup> Weight excluding cutting ring and union nut.

<sup>3</sup> Standard scope of delivery: Fitting body only.

Standard seal material is NBR (Buna-N®).

Male stud acc. to ISO 1179-2 (Type E)

Port acc. to ISO 1179-1

Torque recommendations for Steel mating material.

## Connecting Parts


Cutting Ring  
Type **FI-DS** Page 26

Soft-Sealing Cutting Ring  
Type **FI-WDDS** Page 27

Support Sleeve  
Type **FI-VH** Page 28

STAUFF Form Ring  
Type **FI-AR** Page 30

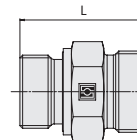
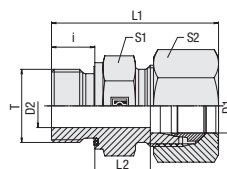
Union Nut  
Type **FI-M** Page 31

37° Flared Tube Fitting Set  
Type **FI-AB** Page 35

## Spare Parts / Accessories


Profile Sealing Ring  
Type **WDG** Page 206


## Straight Male Stud Fitting Type FI-GE-...-M-WD • Series L



C

### Ordering Codes

#### \*FI-GE\*-10\*L\*M\*-WD\*-B\*-W3\*-MS

|                                                                         |                                                                                |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| * Straight Male Stud Fitting                                            | FI-GE                                                                          |
| * Outside Tube Diameter D1 (in mm)                                      | -10                                                                            |
| * Series                                                                | Light Series (page 48) <b>L</b><br>Heavy Series (page 49) <b>S</b>             |
| * Thread Type                                                           | Metric Parallel Thread <b>M</b>                                                |
| If required, please indicate special sizes, e.g. M12x1.5!               |                                                                                |
| * Seal Type                                                             | Profile Sealing Ring <b>-WD</b>                                                |
| * Seal Material                                                         | NBR (Buna-N®) <b>-B</b><br>FKM (Viton®) <b>-V</b><br>EPDM <b>-E</b>            |
| * Material Code                                                         | Steel, zinc/nickel-plated <b>-W3</b>                                           |
| Please contact STAUFF for alternative materials and surface finishings. |                                                                                |
| * Assembling / Kitting                                                  | Fitting body only <b>—</b>                                                     |
|                                                                         | Fitting body supplied with cutting ring and union nut <b>-MS</b>               |
|                                                                         | Fitting body supplied with soft-sealing cutting ring and union nut <b>-MSV</b> |

### Connecting Parts

|  |                                                  |         |
|--|--------------------------------------------------|---------|
|  | Cutting Ring<br>Type <b>FI-DS</b>                | Page 26 |
|  | Soft-Sealing Cutting Ring<br>Type <b>FI-WDDS</b> | Page 27 |
|  | Support Sleeve<br>Type <b>FI-VH</b>              | Page 28 |
|  | STAUFF Form Ring<br>Type <b>FI-AR</b>            | Page 30 |
|  | Union Nut<br>Type <b>FI-M</b>                    | Page 31 |
|  | 37° Flared Tube Fitting Set<br>Type <b>FI-AB</b> | Page 35 |

### Spare Parts / Accessories

|  |                                         |          |
|--|-----------------------------------------|----------|
|  | Profile Sealing Ring<br>Type <b>WDG</b> | Page 206 |
|--|-----------------------------------------|----------|

### Metric Parallel Thread

### Profile Sealing Ring

| Series | Tube OD<br>(mm/in) | PN<br>(bar/psi) | Dimensions<br>(mm/in) | Thread T | D2  | i    | L    | L1 <sup>1</sup> | L2   | S1   | S2    | Torque<br>(Nm/ft-lb) | Weight<br>(kg/lbs) ca.<br>per 100 <sup>2</sup> | Ordering Codes <sup>3</sup> |
|--------|--------------------|-----------------|-----------------------|----------|-----|------|------|-----------------|------|------|-------|----------------------|------------------------------------------------|-----------------------------|
| L      | 6                  | 500             | M 10 x 1              | 4        | 8   | 23,5 | 31,5 | 8,5             | 14   | 14   | 18    | 1,36                 |                                                | FI-GE-06LM-WD-B-W3          |
|        | .24                | 7250            | M 10 x 1              | .16      | .31 | .93  | 1.24 | .33             | .55  | .55  | 13.3  | 2.99                 |                                                |                             |
|        | 6                  | 500             | M 12 x 1,5            | 4        | 12  | 29   | 37   | 10              | 17   | 14   | 25    | 2,26                 |                                                | FI-GE-06LM12x1.5-WD-B-W3    |
|        | .24                | 7250            | M 12 x 1,5            | .16      | .47 | 1.14 | 1.46 | .39             | .67  | .55  | 18.5  | 4.98                 |                                                |                             |
|        | 8                  | 500             | M 10 x 1              | 4        | 8   | 23,5 | 31,5 | 8,5             | 14   | 17   | 18    | 1,54                 |                                                | FI-GE-08LM10x1-WD-B-W3      |
|        | .31                | 7250            | M 10 x 1              | .16      | .31 | .93  | 1.24 | .33             | .55  | .67  | 13.3  | 3.39                 |                                                |                             |
|        | 8                  | 500             | M 12 x 1,5            | 6        | 12  | 29   | 37   | 10              | 17   | 17   | 25    | 2,16                 |                                                | FI-GE-08LM-WD-B-W3          |
|        | .31                | 7250            | M 12 x 1,5            | .24      | .47 | 1.14 | 1.46 | .39             | .67  | .67  | 18.5  | 4.75                 |                                                |                             |
|        | 8                  | 500             | M 14 x 1,5            | 6        | 12  | 29   | 37   | 10              | 19   | 17   | 45    | 3,11                 |                                                | FI-GE-08LM14x1.5-WD-B-W3    |
|        | .31                | 7250            | M 14 x 1,5            | .24      | .47 | 1.14 | 1.46 | .39             | .75  | .67  | 33.3  | 6.83                 |                                                |                             |
|        | 8                  | 400             | M 16 x 1,5            | 6        | 12  | 30   | 38   | 11              | 22   | 17   | 55    | 4,05                 |                                                | FI-GE-08LM16x1.5-WD-B-W3    |
|        | .31                | 5800            | M 16 x 1,5            | .24      | .47 | 1.18 | 1.50 | .43             | .87  | .67  | 40.7  | 8.91                 |                                                |                             |
|        | 10                 | 400             | M 12 x 1,5            | 6        | 12  | 30   | 38   | 11              | 17   | 19   | 25    | 2,38                 |                                                | FI-GE-10LM12x1.5-WD-B-W3    |
|        | .39                | 5800            | M 12 x 1,5            | .24      | .47 | 1.18 | 1.50 | .43             | .67  | .75  | 18.5  | 5.23                 |                                                |                             |
|        | 10                 | 400             | M 14 x 1,5            | 7        | 12  | 30   | 38   | 11              | 19   | 19   | 45    | 2,88                 |                                                | FI-GE-10LM-WD-B-W3          |
|        | .39                | 5800            | M 14 x 1,5            | .28      | .47 | 1.18 | 1.50 | .43             | .75  | .75  | 33.3  | 6.33                 |                                                |                             |
|        | 10                 | 400             | M 16 x 1,5            | 8        | 12  | 31,5 | 39,5 | 12,5            | 22   | 19   | 55    | 4,05                 |                                                | FI-GE-10LM16x1.5-WD-B-W3    |
|        | .39                | 5800            | M 16 x 1,5            | .31      | .47 | 1.24 | 1.56 | .49             | .87  | .75  | 40.7  | 8.91                 |                                                |                             |
|        | 10                 | 400             | M 18 x 1,5            | 8        | 12  | 31,5 | 39,5 | 12,5            | 24   | 19   | 70    | 4,94                 |                                                | FI-GE-10LM18x1.5-WD-B-W3    |
|        | .39                | 5800            | M 18 x 1,5            | .31      | .47 | 1.24 | 1.56 | .49             | .94  | .75  | 51.8  | 10.86                |                                                |                             |
|        | 10                 | 400             | M 22 x 1,5            | 8        | 14  | 34   | 42   | 13              | 27   | 19   | 125   | 7,36                 |                                                | FI-GE-10LM22x1.5-WD-B-W3    |
|        | .39                | 5800            | M 22 x 1,5            | .31      | .55 | 1.34 | 1.65 | .51             | 1.06 | .75  | 92.5  | 16.19                |                                                |                             |
|        | 12                 | 400             | M 12 x 1,5            | 4        | 12  | 32   | 40   | 11              | 19   | 22   | 25    | 2,84                 |                                                | FI-GE-12LM12x1.5-WD-B-W3    |
|        | .47                | 5800            | M 12 x 1,5            | .16      | .47 | 1.26 | 1.57 | .43             | .75  | .87  | 18.5  | 6.25                 |                                                |                             |
|        | 12                 | 400             | M 14 x 1,5            | 7        | 12  | 30   | 38   | 11              | 19   | 22   | 45    | 3,06                 |                                                | FI-GE-12LM14x1.5-WD-B-W3    |
|        | .47                | 5800            | M 14 x 1,5            | .28      | .47 | 1.18 | 1.50 | .43             | .75  | .87  | 33.3  | 6.72                 |                                                |                             |
|        | 12                 | 400             | M 16 x 1,5            | 9        | 12  | 31,5 | 39,5 | 12,5            | 22   | 22   | 55    | 3,94                 |                                                | FI-GE-12LM-WD-B-W3          |
|        | .47                | 5800            | M 16 x 1,5            | .35      | .47 | 1.24 | 1.56 | .49             | .87  | .87  | 40.7  | 8.66                 |                                                |                             |
|        | 12                 | 400             | M 18 x 1,5            | 10       | 12  | 31,5 | 39,5 | 12,5            | 24   | 22   | 70    | 4,90                 |                                                | FI-GE-12LM18x1.5-WD-B-W3    |
|        | .47                | 5800            | M 18 x 1,5            | .39      | .47 | 1.24 | 1.56 | .49             | .94  | .87  | 51.8  | 10.78                |                                                |                             |
|        | 12                 | 400             | M 22 x 1,5            | 10       | 14  | 34   | 42   | 13              | 27   | 22   | 125   | 6,96                 |                                                | FI-GE-12LM22x1.5-WD-B-W3    |
|        | .47                | 5800            | M 22 x 1,5            | .39      | .55 | 1.34 | 1.65 | .51             | 1.06 | .87  | 92.5  | 15.31                |                                                |                             |
|        | 15                 | 400             | M 16 x 1,5            | 9        | 12  | 32,5 | 40,5 | 13,5            | 24   | 27   | 55    | 5,15                 |                                                | FI-GE-15LM16x1.5-WD-B-W3    |
|        | .59                | 5800            | M 16 x 1,5            | .35      | .47 | 1.28 | 1.59 | .53             | .94  | 1.06 | 40.7  | 11.33                |                                                |                             |
|        | 15                 | 400             | M 18 x 1,5            | 11       | 12  | 32,5 | 40,5 | 13,5            | 24   | 27   | 70    | 5,05                 |                                                | FI-GE-15LM-WD-B-W3          |
|        | .59                | 5800            | M 18 x 1,5            | .43      | .47 | 1.28 | 1.59 | .53             | .94  | 1.06 | 51.8  | 11.11                |                                                |                             |
|        | 15                 | 400             | M 22 x 1,5            | 12       | 14  | 35   | 43   | 14              | 27   | 27   | 125   | 7,15                 |                                                | FI-GE-15LM22x1.5-WD-B-W3    |
|        | .59                | 5800            | M 22 x 1,5            | .47      | .55 | 1.38 | 1.69 | .55             | 1.06 | 1.06 | 92.5  | 15.73                |                                                |                             |
|        | 18                 | 400             | M 18 x 1,5            | 11       | 12  | 33,5 | 42,5 | 14              | 27   | 32   | 90    | 6,26                 |                                                | FI-GE-18LM18x1.5-WD-B-W3    |
|        | .71                | 5800            | M 18 x 1,5            | .43      | .47 | 1.32 | 1.67 | .55             | 1.06 | 1.26 | 66.6  | 13.77                |                                                |                             |
|        | 18                 | 400             | M 22 x 1,5            | 14       | 14  | 36   | 45   | 14,5            | 27   | 32   | 125   | 7,43                 |                                                | FI-GE-18LM-WD-B-W3          |
|        | .71                | 5800            | M 22 x 1,5            | .55      | .55 | 1.42 | 1.77 | .57             | 1.06 | 1.26 | 92.5  | 16.35                |                                                |                             |
|        | 22                 | 250             | M 22 x 1,5            | 14       | 14  | 38   | 47   | 16,5            | 32   | 36   | 125   | 9,10                 |                                                | FI-GE-22LM22x1.5-WD-B-W3    |
|        | .87                | 3625            | M 22 x 1,5            | .55      | .55 | 1.50 | 1.85 | .65             | 1.26 | 1.42 | 92.5  | 20.02                |                                                |                             |
|        | 22                 | 250             | M 26 x 1,5            | 18       | 16  | 40   | 49   | 16,5            | 32   | 36   | 180   | 10,23                |                                                | FI-GE-22LM-WD-B-W3          |
|        | .87                | 3625            | M 26 x 1,5            | .71      | .63 | 1.57 | 1.93 | .65             | 1.26 | 1.42 | 133.2 | 22.51                |                                                |                             |
|        | 28                 | 250             | M 33 x 2              | 23       | 18  | 43   | 52   | 17,5            | 41   | 41   | 310   | 16,76                |                                                | FI-GE-28LM-WD-B-W3          |
|        | 1.10               | 3625            | M 33 x 2              | .91      | .71 | 1.69 | 2.05 | .69             | 1.61 | 1.61 | 229.4 | 36.87                |                                                |                             |
|        | 35                 | 250             | M 42 x 2              | 30       | 20  | 48   | 59   | 17,5            | 50   | 50   | 450   | 27,63                |                                                | FI-GE-35LM-WD-B-W3          |
|        | 1.38               | 3625            | M 42 x 2              | 1.18     | .79 | 1.89 | 2.32 | .69             | 1.97 | 1.97 | 333.0 | 60.79                |                                                |                             |
|        | 42                 | 250             | M 48 x 2              | 36       | 22  | 52   | 64   | 19              | 55   | 60   | 540   | 34,63                |                                                | FI-GE-42LM-WD-B-W3          |
|        | 1.65               | 3625            | M 48 x 2              | 1.42     | .87 | 2.05 | 2.52 | .75             | 2.17 | 2.36 | 399.6 | 76.19                |                                                |                             |

<sup>1</sup> Approximate dimension in assembled condition.

<sup>2</sup> Weight excluding cutting ring and union nut.

<sup>3</sup> Standard scope of delivery: Fitting body only.

Male stud acc. to ISO 9974-2 (Type E)

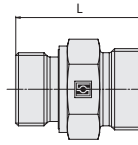
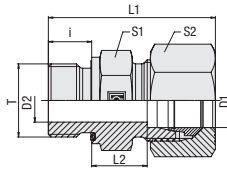
Port acc. to ISO 9974-1

Torque recommendations for Steel mating material.

Standard seal material is NBR (Buna-N®).



# Straight Male Stud Fitting Type FI-GE-...-M-WD • Series S



C

## Profile Sealing Ring

## Metric Parallel Thread

| Series | Tube OD<br>(mm/in) | PN<br>(bar/psi) | Dimensions<br>(mm/in) | Thread T | D2  | i    | L    | L1 <sup>1</sup> | L2   | S1   | S2 | Torque<br>(N·m/ft·lb) | Weight<br>(kg/lbs) Ca. | Ordering Codes <sup>3</sup> |
|--------|--------------------|-----------------|-----------------------|----------|-----|------|------|-----------------|------|------|----|-----------------------|------------------------|-----------------------------|
| S      | D1                 |                 |                       |          |     |      |      |                 |      |      |    | Thread T              | per 100 <sup>2</sup>   |                             |
|        | 6                  | 800             | M 12 x 1,5            |          | 4   | 12   | 32   | 40              | 13   | 17   | 17 | 35                    | 2,93                   | FI-GE-06SM-WD-B-W3          |
|        | .24                | 11600           |                       | .16      | .47 | 1.26 | 1.57 | .51             | .67  | .67  |    | 25.9                  | 6.44                   |                             |
|        | 8                  | 800             | M 14 x 1,5            |          | 5   | 12   | 34   | 42              | 15   | 19   | 19 | 55                    | 4,16                   | FI-GE-08SM-WD-B-W3          |
|        | .31                | 11600           |                       | .20      | .47 | 1.34 | 1.65 | .59             | .75  | .75  |    | 40.7                  | 9.16                   |                             |
|        | 10                 | 800             | M 14 x 1,5            |          | 5   | 12   | 34,5 | 43,5            | 15   | 19   | 22 | 55                    | 4,97                   | FI-GE-10SM14x1.5-WD-B-W3    |
|        | .39                | 11600           |                       | .20      | .47 | 1.36 | 1.71 | .59             | .75  | .87  |    | 40.7                  | 10.93                  |                             |
|        | 10                 | 800             | M 16 x 1,5            |          | 7   | 12   | 34,5 | 43,5            | 15   | 22   | 22 | 70                    | 5,36                   | FI-GE-10SM-WD-B-W3          |
|        | .39                | 11600           |                       | .28      | .47 | 1.36 | 1.71 | .59             | .87  | .87  |    | 51.8                  | 11.79                  |                             |
|        | 12                 | 630             | M 14 x 1,5            |          | 5   | 12   | 36   | 45              | 16,5 | 22   | 24 | 55                    | 6,00                   | FI-GE-12SM14x1.5-WD-B-W3    |
|        | .47                | 9135            |                       | .20      | .47 | 1.42 | 1.77 | .65             | .87  | .94  |    | 40.7                  | 13.20                  |                             |
|        | 12                 | 630             | M 16 x 1,5            |          | 8   | 12   | 36   | 45              | 16,5 | 22   | 24 | 70                    | 6,12                   | FI-GE-12SM16x1.5-WD-B-W3    |
|        | 0,47               | 9135            |                       | .31      | .47 | 1.42 | 1.77 | .65             | .87  | .94  |    | 51.8                  | 13.47                  |                             |
|        | 12                 | 630             | M 18 x 1,5            |          | 8   | 12   | 36,5 | 45,5            | 17   | 24   | 24 | 90                    | 7,12                   | FI-GE-12SM-WD-B-W3          |
|        | .47                | 9135            |                       | .31      | .47 | 1.44 | 1.79 | .67             | .94  | .94  |    | 66.6                  | 15.67                  |                             |
|        | 12                 | 630             | M 22 x 1,5            |          | 8   | 14   | 39   | 48              | 17,5 | 27   | 24 | 135                   | 9,28                   | FI-GE-12SM22x1.5-WD-B-W3    |
|        | .47                | 9135            |                       | .31      | .55 | 1.54 | 1.89 | .69             | 1.06 | .94  |    | 99.9                  | 20.42                  |                             |
|        | 14                 | 630             | M 20 x 1,5            |          | 10  | 14   | 41   | 51              | 19   | 27   | 27 | 125                   | 9,46                   | FI-GE-14SM-WD-B-W3          |
|        | .55                | 9135            |                       | .39      | .55 | 1.61 | 2.01 | .75             | 1.06 | 1.06 |    | 92.5                  | 20.82                  |                             |
|        | 16                 | 630             | M 18 x 1,5            |          | 8   | 12   | 38,5 | 48,5            | 18   | 24   | 30 | 90                    | 7,82                   | FI-GE-16SM18x1.5-WD-B-W3    |
|        | .63                | 9135            |                       | .31      | .47 | 1.52 | 1.91 | .71             | .94  | 1.18 |    | 66.6                  | 17.20                  |                             |
|        | 16                 | 630             | M 22 x 1,5            |          | 12  | 14   | 41   | 51              | 18,5 | 27   | 30 | 135                   | 9,52                   | FI-GE-16SM-WD-B-W3          |
|        | .63                | 9135            |                       | .47      | .55 | 1.61 | 2.01 | .73             | 1.06 | 1.18 |    | 99.9                  | 20.95                  |                             |
|        | 20                 | 400             | M 27 x 2              |          | 16  | 16   | 47   | 58              | 20,5 | 32   | 36 | 180                   | 15,10                  | FI-GE-20SM-WD-B-W3          |
|        | .79                | 5800            |                       | .63      | .63 | 1.85 | 2.28 | .81             | 1.26 | 1.42 |    | 133.2                 | 33.22                  |                             |
|        | 25                 | 400             | M 33 x 2              |          | 20  | 18   | 53   | 65              | 23   | 41   | 46 | 310                   | 26,43                  | FI-GE-25SM-WD-B-W3          |
|        | .98                | 5800            |                       | .79      | .71 | 2.09 | 2.56 | .91             | 1.61 | 1.81 |    | 229.4                 | 58.15                  |                             |
|        | 30                 | 400             | M 42 x 2              |          | 25  | 20   | 57   | 70              | 23,5 | 50   | 50 | 450                   | 41,84                  | FI-GE-30SM-WD-B-W3          |
|        | 1.18               | 5800            |                       | .98      | .79 | 2.24 | 2.76 | .93             | 1.97 | 1.97 |    | 333.0                 | 92.06                  |                             |
|        | 38                 | 400             | M 48 x 2              |          | 32  | 22   | 64   | 79              | 26   | 55   | 60 | 540                   | 57,00                  | FI-GE-38SM-WD-B-W3          |
|        | 1.50               | 5800            |                       | 1.26     | .87 | 2.52 | 3.11 | 1.02            | 2.17 | 2.36 |    | 399.6                 | 125.40                 |                             |

<sup>1</sup> Approximate dimension in assembled condition.

<sup>2</sup> Weight excluding cutting ring and union nut.

<sup>3</sup> Standard scope of delivery: Fitting body only.

Standard seal material is NBR (Buna-N®).

Male stud acc. to ISO 9974-2 (Type E)

Port acc. to ISO 9974-1

Torque recommendations for Steel mating material.

## Ordering Codes

\*FI-GE\*-10\*L\*M\*-WD\*-B\*-W3\*-MS

\* Straight Male Stud Fitting FI-GE

\* Outside Tube Diameter D1 (in mm) -10

\* Series Light Series (page 48) L  
Heavy Series (page 49) S

\* Thread Type Metric Parallel Thread M

If required, please indicate special sizes, e.g. M12x1.5!

\* Seal Type Profile Sealing Ring -WD

\* Seal Material NBR (Buna-N®) -B  
FKM (Viton®) -V  
EPDM -E

\* Material Code Steel, zinc/nickel-plated -W3

Please contact STAUFF for alternative materials and surface finishings.

\* Assembling / Kitting Fitting body only —

Fitting body supplied with cutting ring and union nut -MS

Fitting body supplied with soft-sealing cutting ring and union nut -MSV

## Connecting Parts



Cutting Ring Type FI-DS Page 26



Soft-Sealing Cutting Ring Type FI-WDDS Page 27



Support Sleeve Type FI-VH Page 28



STAUFF Form Ring Type FI-AR Page 30



Union Nut Type FI-M Page 31



37° Flared Tube Fitting Set Type FI-AB Page 35

## Spare Parts / Accessories



Profile Sealing Ring Type WDG Page 206

