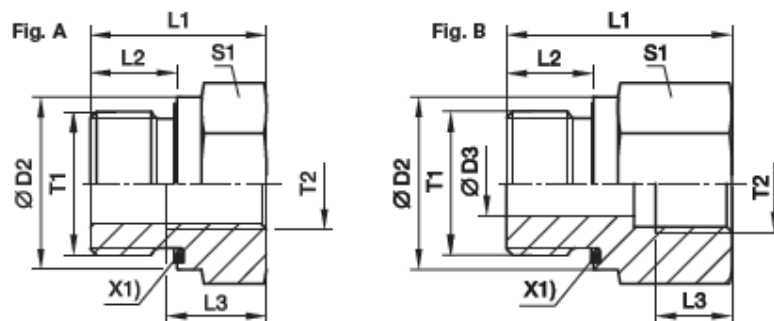


## RI-ED Thread reducer/expander

Male BSPP thread – ED-seal (ISO 1179) / Female BSPP thread (ISO 1179-1)



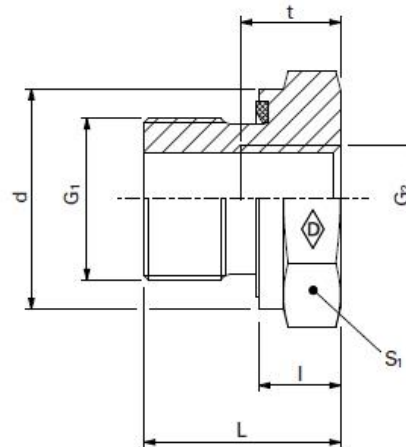
X1) Elastic-sealing ED

| Male Stud<br>T1 | Female Stud<br>T2 | D2 | D3 | L1   | L2 | L3   | S1 | Fig. | Weight<br>g/1 piece | Order code*   | PN (bar) <sup>1)</sup> |     |
|-----------------|-------------------|----|----|------|----|------|----|------|---------------------|---------------|------------------------|-----|
|                 |                   |    |    |      |    |      |    |      |                     |               | Steel                  | 71  |
| G 1/8 A         | G 1/4             | 14 | 4  | 31.0 | 8  | 12.0 | 19 | B    | 41                  | RI1/8EDX1/4   | 400                    | 400 |
| G 1/8 A         | G 3/8             | 14 | 4  | 32.0 | 8  | 12.0 | 24 | B    | 63                  | RI1/8EDX3/8   | 400                    | 400 |
| G 1/4 A         | G 1/8             | 19 | 5  | 29.0 | 12 | 8.0  | 19 | B    | 41                  | RI1/4EDX1/8   | 400                    | 400 |
| G 1/4 A         | G 3/8             | 19 | 5  | 36.0 | 12 | 12.0 | 24 | B    | 69                  | RI1/4EDX3/8   | 400                    | 400 |
| G 1/4 A         | G 1/2             | 19 | 5  | 40.0 | 12 | 14.0 | 30 | B    | 120                 | RI1/4EDX1/2   | 400                    | 400 |
| G 1/4 A         | G 3/4             | 19 | 5  | 43.0 | 12 | 16.0 | 36 | B    | 171                 | RI1/4EDX3/4   | 400                    | 400 |
| G 3/8 A         | G 1/8             | 22 |    | 22.5 | 12 | 8.0  | 22 | A    | 38                  | RI3/8EDX1/8   | 400                    | 400 |
| G 3/8 A         | G 1/4             | 22 | 8  | 36.0 | 12 | 12.0 | 22 | B    | 68                  | RI3/8EDX1/4   | 400                    | 400 |
| G 3/8 A         | G 1/2             | 22 | 8  | 41.0 | 12 | 14.0 | 30 | B    | 124                 | RI3/8EDX1/2   | 400                    | 400 |
| G 3/8 A         | G 3/4             | 22 | 8  | 44.0 | 12 | 16.0 | 36 | B    | 182                 | RI3/8EDX3/4   | 315                    | 315 |
| G 1/2 A         | G 1/8             | 27 |    | 24.0 | 14 | 8.0  | 27 | A    | 65                  | RI1/2EDX1/8   | 400                    | 400 |
| G 1/2 A         | G 1/4             | 27 |    | 24.0 | 14 | 12.0 | 27 | A    | 56                  | RI1/2EDX1/4   | 400                    | 400 |
| G 1/2 A         | G 3/8             | 27 | 12 | 37.0 | 14 | 12.0 | 27 | B    | 95                  | RI1/2EDX3/8   | 400                    | 400 |
| G 1/2 A         | G 3/4             | 27 | 12 | 46.0 | 14 | 16.0 | 36 | B    | 183                 | RI1/2EDX3/4   | 315                    | 315 |
| G 1/2 A         | G 1               | 27 | 12 | 49.0 | 14 | 18.0 | 41 | B    | 232                 | RI1/2EDX1     | 315                    | 315 |
| G 1/2 A         | G 1 1/4           | 27 | 10 | 53.0 | 14 | 20.0 | 55 | B    | 481                 | RI1/2EDX11/4  | 315                    | 315 |
| G 3/4 A         | G 1/4             | 32 |    | 26.0 | 16 | 12.0 | 32 | A    | 103                 | RI3/4EDX1/4   | 315                    | 315 |
| G 3/4 A         | G 3/8             | 32 |    | 26.0 | 16 | 12.0 | 32 | A    | 86                  | RI3/4EDX3/8   | 315                    | 315 |
| G 3/4 A         | G 1/2             | 32 | 16 | 43.0 | 16 | 14.0 | 32 | B    | 156                 | RI3/4EDX1/2   | 315                    | 315 |
| G 3/4 A         | G 1               | 32 | 16 | 51.0 | 16 | 18.0 | 41 | B    | 237                 | RI3/4EDX1     | 315                    | 315 |
| G 3/4 A         | G 1 1/4           | 32 | 16 | 55.0 | 16 | 20.0 | 55 | B    | 486                 | RI3/4EDX11/4  | 315                    | 315 |
| G 3/4 A         | G 1 1/2           | 32 | 16 | 57.0 | 16 | 22.0 | 60 | B    | 561                 | RI3/4EDX11/2  | 250                    | 250 |
| G 1 A           | G 1/4             | 40 |    | 29.0 | 18 | 12.0 | 41 | A    | 197                 | RI1EDX1/4     | 315                    | 315 |
| G 1 A           | G 3/8             | 40 |    | 29.0 | 18 | 12.0 | 41 | A    | 179                 | RI1EDX3/8     | 315                    | 315 |
| G 1 A           | G 1/2             | 40 |    | 29.0 | 18 | 14.0 | 41 | A    | 153                 | RI1EDX1/2     | 315                    | 315 |
| G 1 A           | G 3/4             | 40 | 20 | 49.0 | 18 | 16.0 | 41 | B    | 290                 | RI1EDX3/4     | 315                    | 315 |
| G 1 A           | G 1 1/4           | 40 | 20 | 57.0 | 18 | 20.0 | 55 | B    | 503                 | RI1EDX11/4    | 315                    | 315 |
| G 1 A           | G 1 1/2           | 40 | 20 | 59.0 | 18 | 22.0 | 60 | B    | 585                 | RI1EDX11/2    | 250                    | 250 |
| G 1 1/4 A       | G 1/2             | 50 |    | 32.0 | 20 | 14.0 | 50 | A    | 313                 | RI11/4EDX1/2  | 315                    | 315 |
| G 1 1/4 A       | G 3/4             | 50 |    | 32.0 | 20 | 16.0 | 50 | A    | 393                 | RI11/4EDX3/4  | 315                    | 315 |
| G 1 1/4 A       | G 1               | 50 | 25 | 52.0 | 20 | 18.0 | 50 | B    | 469                 | RI11/4EDX1    | 315                    | 315 |
| G 1 1/4 A       | G 1 1/2           | 50 | 25 | 60.0 | 20 | 22.0 | 60 | B    | 624                 | RI11/4EDX11/2 | 250                    | 250 |
| G 1 1/2 A       | G 1/2             | 55 |    | 36.0 | 22 | 14.0 | 55 | A    | 470                 | RI11/2EDX1/2  | 250                    | 250 |
| G 1 1/2 A       | G 3/4             | 55 |    | 36.0 | 22 | 16.0 | 55 | A    | 415                 | RI11/2EDX3/4  | 250                    | 250 |
| G 1 1/2 A       | G 1               | 55 |    | 36.0 | 22 | 18.0 | 55 | A    | 338                 | RI11/2EDX1    | 250                    | 250 |
| G 1 1/2 A       | G 1 1/4           | 55 | 32 | 58.0 | 22 | 20.0 | 55 | B    | 542                 | RI11/2EDX11/4 | 250                    | 250 |

### RED ... -WD/...

#### RED ... -WD/...-1.4571

- With soft seal made from NBR\*\* (e.g. Perbunan) for steel
- With soft seal made from FKM (e.g. Viton) for stainless steel (1.4571)
- Inch studs type E to DIN EN ISO 1179-2

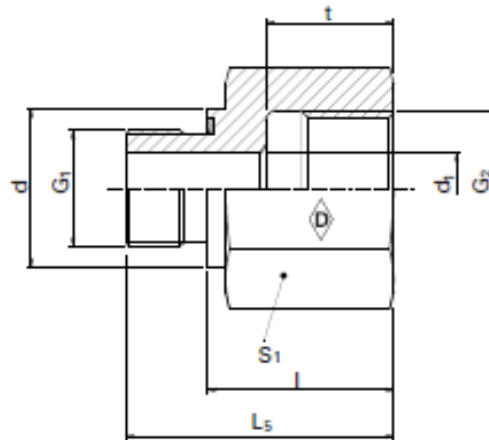


| PN<br>bar (psi) | DIN - ISO 228<br>(R..., DIN 259)<br>G <sub>1</sub> | G <sub>2</sub> | Model                | kg/<br>100<br>pc. | L    | I    | d    | t  | S <sub>1</sub> | Stud<br>RED ... -WD/... | Stud<br>Stainless steel (1.4571)<br>RED ... -WD/...VI-1.4571 |
|-----------------|----------------------------------------------------|----------------|----------------------|-------------------|------|------|------|----|----------------|-------------------------|--------------------------------------------------------------|
|                 |                                                    |                |                      |                   |      |      |      |    |                | Part no.                | Part no.                                                     |
| 630<br>(9137)   | G 3/8 A                                            | G 1/8          | RED-R 3/8-WD/R 1/8   | 4.0               | 22.5 | 10.5 | 21.9 | 8  | 22             | WAL606600               | WAL612428                                                    |
|                 | G 1/2 A                                            | G 1/8          | RED-R 1/2-WD/R 1/8   | 6.6               | 24   | 10   | 26.9 | 8  | 27             | WAL606601               | WAL617813                                                    |
|                 |                                                    | G 1/4          | RED-R 1/2-WD/R 1/4   | 6.0               | 24   | 10   | 26.9 | 12 | 27             | WAL606602               | WAL610622                                                    |
| 400<br>(5801)   | G 3/4 A                                            | G 1/4          | RED-R 3/4-WD/R 1/4   | 9.5               | 26   | 10   | 31.9 | 12 | 32             | WAL606603               | WAL611180                                                    |
|                 |                                                    | G 3/8          | RED-R 3/4-WD/R 3/8   | 9.0               | 26   | 10   | 31.9 | 12 | 32             | WAL606604               | WAL612089                                                    |
|                 | G 1 A                                              | G 1/4          | RED-R 1 - WD/R 1/4   | 20.0              | 29   | 11   | 39.9 | 12 | 41             | WAL606605               | WAL615116                                                    |
|                 |                                                    | G 3/8          | RED-R 1 - WD/R 3/8   | 18.0              | 29   | 11   | 39.9 | 12 | 41             | WAL606606               | WAL617814                                                    |
|                 |                                                    | G 1/2          | RED-R 1 - WD/R 1/2   | 16.0              | 29   | 11   | 39.9 | 14 | 41             | WAL606607               | WAL611254                                                    |
|                 |                                                    | G 1/2          | RED-R 1 1/4-WD/R 1/2 | 31.0              | 32   | 12   | 49.9 | 14 | 50             | WAL606608               | WAL613813                                                    |
|                 | G 1 1/4 A                                          | G 3/4          | RED-R 1 1/4-WD/R 3/4 | 27.0              | 32   | 12   | 49.9 | 16 | 50             | WAL606609               | WAL612044                                                    |
|                 |                                                    | G 1/2          | RED-R 1 1/2-WD/R 1/2 | 47.0              | 36   | 12   | 54.9 | 14 | 55             | WAL606610               | WAL613127                                                    |
|                 | G 1 1/2 A                                          | G 3/4          | RED-R 1 1/2-WD/R 3/4 | 43.0              | 36   | 14   | 54.9 | 16 | 55             | WAL606611               | WAL615258                                                    |
|                 |                                                    | G 1            | RED-R 1 1/2-WD/R 1   | 34.5              | 36   | 14   | 54.9 | 18 | 55             | WAL606612               | WAL612103                                                    |

### RED ... -WD/...

#### RED ... -WD/...-1.4571

- With soft seal made from NBR\*\* (e.g. Perbunan) for steel
- With soft seal made from FKM (e.g. Viton) for stainless steel (1.4571)
- Inch studs type E to DIN EN ISO 1179-2



|                 |                                                   |                |                        |                   |    |    |      |                |      |                |           | Stud<br>RED ... -WD/... | Stud<br>Stainless steel (1.4571)<br>RED ... -WD/...VI-1.4571 |
|-----------------|---------------------------------------------------|----------------|------------------------|-------------------|----|----|------|----------------|------|----------------|-----------|-------------------------|--------------------------------------------------------------|
| PN<br>bar (psi) | DIN - ISO 228<br>(R... DIN 259)<br>G <sub>1</sub> | G <sub>2</sub> | Model                  | kg/<br>100<br>pc. | L  | I  | d    | d <sub>1</sub> | t    | S <sub>1</sub> | Part no.  | Part no.                |                                                              |
| 400<br>(5801)   | G 1/8 A                                           | G 1/4          | RED-R 1/8-WD/R 1/4     | 3.6               | 31 | 23 | 13.9 | 4              | 17   | 19             | WAL606613 | WAL612430               |                                                              |
|                 |                                                   | G 3/8          | RED-R 1/8-WD/R 3/8     | 4.5               | 32 | 24 | 13.9 | 4              | 17   | 24             | WAL606614 | WAL612431               |                                                              |
|                 | G 1/4 A                                           | G 1/8          | RED-R 1/4-WD/R 1/8     | 3.6               | 29 | 17 | 18.9 | 5              | 12   | 19             | WAL606615 | WAL615402               |                                                              |
|                 |                                                   | G 3/8          | RED-R 1/4-WD/R 3/8     | 6.6               | 36 | 24 | 18.9 | 5              | 17   | 24             | WAL606616 | WAL610621               |                                                              |
|                 |                                                   | G 1/2          | RED-R 1/4-WD/R 1/2     | 8.5               | 40 | 28 | 18.9 | 5              | 20   | 30             | WAL606617 | WAL610620               |                                                              |
|                 |                                                   | G 3/4          | RED-R 1/4-WD/R 3/4     | 17.3              | 43 | 31 | 18.9 | 5              | 22   | 36             | WAL606618 | WAL617815               |                                                              |
|                 | G 3/8 A                                           | G 1/4          | RED-R 3/8-WD/R 1/4     | 3.0               | 36 | 24 | 21.9 | 8              | 17   | 22             | WAL606619 | WAL615403               |                                                              |
|                 |                                                   | G 1/2          | RED-R 3/8-WD/R 1/2     | 9.0               | 41 | 29 | 21.9 | 8              | 20   | 30             | WAL606620 | WAL612429               |                                                              |
|                 |                                                   | G 3/4          | RED-R 3/8-WD/R 3/4     | 17.5              | 44 | 32 | 21.9 | 8              | 22   | 36             | WAL606621 | WAL615482               |                                                              |
|                 | G 1/2 A                                           | G 3/8          | RED-R 1/2-WD/R 3/8     | 9.5               | 37 | 23 | 26.9 | 12             | 17   | 27             | WAL606622 | WAL612095               |                                                              |
|                 |                                                   | G 3/4          | RED-R 1/2-WD/R 3/4     | 18.0              | 46 | 32 | 26.9 | 12             | 22   | 36             | WAL606623 | WAL611320               |                                                              |
|                 |                                                   | G 1            | RED-R 1/2-WD/R 1       | 22.5              | 49 | 35 | 26.9 | 12             | 24.5 | 41             | WAL606624 | WAL612928               |                                                              |
| 250<br>(3626)   | G 1/2 A                                           | G 1 1/4        | RED-R 1/2-WD/R 1 1/4   | 47.0              | 53 | 39 | 26.9 | 12             | 26.5 | 55             | WAL606625 | WAL615487               |                                                              |
| 400<br>(5801)   | G 3/4 A                                           | G 1/2          | RED-R 3/4-WD/R 1/2     | 15.0              | 43 | 27 | 31.9 | 16             | 20   | 32             | WAL606626 | WAL612017               |                                                              |
|                 |                                                   | G 1            | RED-R 3/4-WD/R 1       | 23.5              | 51 | 35 | 31.9 | 16             | 24.5 | 41             | WAL606627 | WAL615220               |                                                              |
| 250<br>(3626)   | G 3/4 A                                           | G 1 1/4        | RED-R 3/4-WD/R 1 1/4   | 48.3              | 55 | 39 | 31.9 | 16             | 26.5 | 55             | WAL606628 | WAL615412               |                                                              |
|                 |                                                   | G 1 1/2        | RED-R 3/4-WD/R 1 1/2   | 54.5              | 57 | 41 | 31.9 | 16             | 28.5 | 60             | WAL606629 | WAL615508               |                                                              |
| 400<br>(5801)   | G 1 A                                             | G 3/4          | RED-R 1-WD/R 3/4       | 28.0              | 49 | 31 | 39.9 | 20             | 22   | 41             | WAL606630 | WAL611989               |                                                              |
| 250<br>(3626)   | G 1 A                                             | G 1 1/4        | RED-R 1-WD/R 1 1/4     | 51.0              | 57 | 39 | 39.9 | 20             | 26.5 | 55             | WAL606631 | WAL611321               |                                                              |
|                 |                                                   | G 1 1/2        | RED-R 1-WD/R 1 1/2     | 56.5              | 59 | 41 | 39.9 | 20             | 28.5 | 60             | WAL606632 | WAL615411               |                                                              |
| 400<br>(5801)   | G 1 1/4 A                                         | G 1            | RED-R 1 1/4-WD/R 1     | 45.5              | 53 | 33 | 49.9 | 25             | 24.5 | 50             | WAL606633 | WAL611629               |                                                              |
| 250<br>(3626)   | G 1 1/4 A                                         | G 1 1/2        | RED-R 1 1/4-WD/R 1 1/2 | 58.0              | 60 | 40 | 49.9 | 25             | 28.5 | 60             | WAL606634 | WAL615483               |                                                              |
|                 | G 1 1/2 A                                         | G 1 1/4        | RED-R 1 1/2-WD/R 1 1/4 | 53.0              | 58 | 36 | 54.9 | 32             | 26.5 | 55             | WAL606635 | WAL615231               |                                                              |