

# AXIAL EXPANSION JOINTS WITH LOOSE FLANGES

AX1BU / ID no. 41

**PN 2,5** - with flange drilling according to EN 1092-1

**Weblink: 13102**

| DN<br>Nominal diameter | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo<br>mm | ID no.    | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|------------------------|-----------------|-----------------|-------------------|---------------------------------------|-----------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                        | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                       |           | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
| 50                     | 23              | 14              | 44                | 155                                   | 41.057.10 | 16                   | 90                | 69                           | 27,9                                       | 88               | 60               | 0,3                 | 3,3          |
| 50                     | 38              | 39              | 50                | 220                                   | 41.057.20 | 16                   | 90                | 69                           | 27,9                                       | 54               | 14               | 0,4                 | 3,4          |
| 65                     | 27              | 12              | 40                | 145                                   | 41.058.10 | 16                   | 107               | 87                           | 46,0                                       | 82               | 108              | 0,4                 | 4,1          |
| 65                     | 43              | 30              | 50                | 200                                   | 41.058.20 | 16                   | 107               | 87                           | 46,0                                       | 52               | 27               | 0,6                 | 4,3          |
| 65                     | 57              | 53              | 50                | 250                                   | 41.058.30 | 16                   | 107               | 87                           | 46,0                                       | 39               | 12               | 0,7                 | 4,4          |
| 80                     | 26              | 6               | 29                | 150                                   | 41.059.10 | 18                   | 122               | 114                          | 79,4                                       | 109              | 401              | 0,6                 | 6,4          |
| 80                     | 43              | 17              | 49                | 195                                   | 41.059.20 | 18                   | 122               | 114                          | 79,4                                       | 66               | 80               | 0,8                 | 6,6          |
| 80                     | 65              | 39              | 50                | 250                                   | 41.059.30 | 18                   | 122               | 114                          | 79,4                                       | 44               | 24               | 1,1                 | 6,7          |
| 100                    | 37              | 7               | 32                | 155                                   | 41.060.10 | 18                   | 147               | 145                          | 131  | 95               | 507              | 0,8                 | 7,2          |
| 100                    | 53              | 15              | 47                | 190                                   | 41.060.20 | 18                   | 147               | 144                          | 130  | 64               | 138              | 1,1                 | 7,4          |
| 100                    | 92              | 46              | 50                | 265                                   | 41.060.30 | 18                   | 147               | 144                          | 129  | 59               | 40               | 1,7                 | 8,4          |
| 125                    | 38              | 6               | 28                | 160                                   | 41.061.10 | 20                   | 178               | 171                          | 188  | 93               | 831              | 1,2                 | 9,5          |
| 125                    | 65              | 18              | 48                | 215                                   | 41.061.20 | 20                   | 178               | 171                          | 187  | 85               | 197              | 1,8                 | 10,5         |
| 125                    | 97              | 50              | 50                | 305                                   | 41.061.30 | 20                   | 178               | 172                          | 186  | 71               | 63               | 3,1                 | 12,2         |
| 150                    | 41              | 5               | 25                | 180                                   | 41.062.10 | 20                   | 202               | 204                          | 271  | 113              | 980              | 2                   | 10,5         |
| 150                    | 83              | 24              | 50                | 250                                   | 41.062.20 | 20                   | 202               | 204                          | 271  | 57               | 112              | 3,1                 | 11,1         |
| 150                    | 123             | 73              | 50                | 400                                   | 41.062.30 | 20                   | 202               | 203                          | 266  | 70               | 46               | 6                   | 14,5         |
| 200                    | 57              | 7               | 27                | 185                                   | 41.064.10 | 22                   | 258               | 257                          | 442  | 87               | 879              | 3,4                 | 15,4         |
| 200                    | 100             | 25              | 48                | 260                                   | 41.064.20 | 22                   | 258               | 256                          | 440  | 48               | 137              | 5,4                 | 16,2         |
| 200                    | 114             | 37              | 50                | 310                                   | 41.064.30 | 22                   | 258               | 259                          | 444  | 54               | 109              | 7,1                 | 17,6         |
| 250                    | 50              | 5               | 19                | 190                                   | 41.065.10 | 24                   | 312               | 309                          | 663  | 92               | 1860             | 5,3                 | 19,8         |
| 250                    | 109             | 28              | 42                | 310                                   | 41.065.20 | 24                   | 312               | 314                          | 673  | 56               | 207              | 11                  | 22,5         |
| 250                    | 149             | 56              | 50                | 405                                   | 41.065.30 | 24                   | 312               | 313                          | 667  | 64               | 117              | 15                  | 28,0         |
| 300                    | 63              | 6               | 21                | 205                                   | 41.066.10 | 24                   | 365               | 365                          | 927  | 124              | 3000             | 8                   | 27,4         |
| 300                    | 118             | 18              | 39                | 255                                   | 41.066.20 | 24                   | 365               | 370                          | 943  | 46               | 330              | 11                  | 27,4         |
| 300                    | 159             | 53              | 50                | 420                                   | 41.066.30 | 24                   | 365               | 365                          | 923  | 61               | 150              | 22                  | 35,9         |
| 350                    | 54              | 3               | 16                | 175                                   | 41.067.10 | 26                   | 410               | 404                          | 1132                                       | 87               | 4010             | 7,6                 | 36,3         |
| 350                    | 117             | 16              | 35                | 250                                   | 41.067.20 | 26                   | 410               | 402                          | 1126                                       | 45               | 426              | 13                  | 37,7         |
| 350                    | 167             | 48              | 50                | 405                                   | 41.067.30 | 26                   | 410               | 400                          | 1113                                       | 60               | 191              | 25                  | 46,9         |

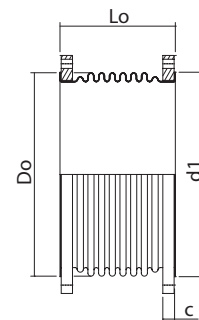
\* OFD= Outside face diameter

Design code: EN 14917

Temperature: Calculated at 20°C (EN 1333)

Minimum fatigue life: 1000 cycles

**Important:** The movements should be considered alternatives. The total accumulated coefficient of utilisation cannot exceed 1.



| DN<br>Nominal diameter | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo mm | ID no.    | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|------------------------|-----------------|-----------------|-------------------|------------------------------------|-----------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                        | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                    |           | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
| 400                    | 78              | 7               | 20                | 230                                | 41.068.10 | 28                   | 465               | 461                          | 1478                                       | 107              | 2680             | 15                  | 44,7         |
| 400                    | 130             | 20              | 34                | 305                                | 41.068.20 | 28                   | 465               | 461                          | 1478                                       | 65               | 525              | 22                  | 46,7         |
| 400                    | 183             | 45              | 48                | 410                                | 41.068.30 | 28                   | 465               | 457                          | 1459                                       | 70               | 264              | 32                  | 54,9         |
| 450                    | 74              | 6               | 17                | 235                                | 41.069.10 | 30                   | 520               | 511                          | 1842                                       | 110              | 3750             | 19                  | 54,7         |
| 450                    | 124             | 17              | 29                | 305                                | 41.069.20 | 30                   | 520               | 511                          | 1842                                       | 66               | 795              | 26                  | 57,0         |
| 450                    | 191             | 42              | 45                | 415                                | 41.069.30 | 30                   | 520               | 510                          | 1832                                       | 68               | 325              | 40                  | 66,2         |
| 500                    | 82              | 6               | 17                | 255                                | 41.070.10 | 30                   | 570               | 566                          | 2263                                       | 131              | 4290             | 26                  | 59,1         |
| 500                    | 140             | 20              | 29                | 355                                | 41.070.20 | 30                   | 570               | 564                          | 2254                                       | 75               | 721              | 39                  | 61,6         |
| 500                    | 211             | 46              | 45                | 465                                | 41.070.30 | 30                   | 570               | 564                          | 2248                                       | 79               | 333              | 56                  | 71,7         |
| 600                    | 75              | 5               | 13                | 295                                | 41.072.10 | 32                   | 670               | 679                          | 3257                                       | 214              | 10600            | 44                  | 79,0         |
| 600                    | 132             | 15              | 23                | 385                                | 41.072.20 | 32                   | 670               | 679                          | 3257                                       | 123              | 1870             | 56                  | 82,8         |
| 600                    | 207             | 38              | 36                | 505                                | 41.072.30 | 32                   | 670               | 679                          | 3257                                       | 78               | 468              | 82                  | 88,6         |
| 700                    | 73              | 4               | 11                | 255                                | 41.074.10 | 24                   | 775               | 777                          | 4335                                       | 221              | 17300            | 58                  | 73,3         |
| 700                    | 131             | 13              | 20                | 345                                | 41.074.20 | 24                   | 775               | 778                          | 4341                                       | 124              | 2880             | 74                  | 77,7         |
| 700                    | 220             | 35              | 33                | 485                                | 41.074.30 | 24                   | 775               | 781                          | 4358                                       | 76               | 639              | 109                 | 84,4         |
| 800                    | 62              | 2               | 8                 | 250                                | 41.076.10 | 37                   | 880               | 886                          | 5654                                       | 268              | 52400            | 78                  | 132          |
| 800                    | 124             | 9               | 16                | 340                                | 41.076.20 | 37                   | 880               | 886                          | 5654                                       | 134              | 5380             | 86                  | 137          |
| 800                    | 219             | 31              | 29                | 490                                | 41.076.30 | 37                   | 880               | 884                          | 5640                                       | 76               | 891              | 140                 | 144          |
| 900                    | 63              | 2               | 7                 | 270                                | 41.078.10 | 37                   | 980               | 990                          | 7110                                       | 265              | 67800            | 98                  | 146          |
| 900                    | 126             | 8               | 15                | 360                                | 41.078.20 | 37                   | 980               | 990                          | 7110                                       | 133              | 6990             | 108                 | 151          |
| 900                    | 211             | 24              | 25                | 480                                | 41.078.30 | 37                   | 980               | 990                          | 7110                                       | 80               | 1440             | 162                 | 160          |
| 1000                   | 66              | 2               | 7                 | 280                                | 41.080.10 | 42                   | 1080              | 1096                         | 8749                                       | 255              | 81500            | 120                 | 177          |
| 1000                   | 115             | 5               | 12                | 340                                | 41.080.20 | 42                   | 1080              | 1098                         | 8765                                       | 149              | 13700            | 121                 | 183          |
| 1000                   | 211             | 22              | 22                | 490                                | 41.080.30 | 42                   | 1080              | 1093                         | 8724                                       | 80               | 1870             | 199                 | 193          |
| 1200                   | 80              | 2               | 7                 | 210                                | 41.082.10 | 42                   | 1280              | 1264                         | 11794                                      | 215              | 50600            | 159                 | 205          |
| 1200                   | 136             | 8               | 12                | 300                                | 41.082.20 | 42                   | 1280              | 1264                         | 11813                                      | 128              | 9570             | 203                 | 213          |
| 1200                   | 211             | 22              | 19                | 450                                | 41.082.30 | 42                   | 1280              | 1259                         | 11765                                      | 84               | 2200             | 321                 | 224          |

To be continued...

Please refer to WebLink 13102 or the QR code to access online tools and online inquiry/order form and more

information about: **Primer, connection ends, inner sleeve, cover etc.**



# AXIAL EXPANSION JOINTS WITH LOOSE FLANGES

AX1BU / ID no. 41

**PN 2,5** - with flange drilling according to EN 1092-1

**Weblink: 13102**

| DN<br>Nominal diameter | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo mm | ID no.    | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|------------------------|-----------------|-----------------|-------------------|------------------------------------|-----------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                        | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                    |           | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
| 1400                   | 62              | 1               | 4                 | 225                                | 41.084.10 | 42                   | 1466              | 1466                         | 15980                                      | 295              | 179900           | 234                 | 233          |
| 1400                   | 96              | 3               | 7                 | 240                                | 41.084.20 | 42                   | 1466              | 1464                         | 15980                                      | 194              | 42100            | 230                 | 237          |
| 1400                   | 179             | 12              | 14                | 360                                | 41.084.30 | 42                   | 1466              | 1464                         | 15958                                      | 103              | 6340             | 336                 | 251          |
| 1600                   | 59              | 1               | 4                 | 190                                | 41.086.10 | 47                   | 1666              | 1664                         | 20750                                      | 336              | 300600           | 308                 | 324          |
| 1600                   | 95              | 3               | 6                 | 250                                | 41.086.20 | 47                   | 1666              | 1664                         | 20776                                      | 212              | 61800            | 303                 | 330          |
| 1600                   | 178             | 10              | 12                | 370                                | 41.086.30 | 47                   | 1666              | 1664                         | 20750                                      | 112              | 9350             | 439                 | 344          |
| 1800                   | 56              | 1               | 3                 | 200                                | 41.088.10 | 52                   | 1866              | 1864                         | 26142                                      | 386              | 442300           | 402                 | 399          |
| 1800                   | 94              | 2               | 5                 | 260                                | 41.088.20 | 52                   | 1866              | 1864                         | 26199                                      | 231              | 86800            | 387                 | 406          |
| 1800                   | 170             | 9               | 10                | 380                                | 41.088.30 | 52                   | 1866              | 1864                         | 26142                                      | 128              | 14300            | 557                 | 422          |
| 2000                   | 53              | 0               | 3                 | 200                                | 41.090.10 | 52                   | 2066              | 2061                         | 32204                                      | 454              | 653200           | 519                 | 441          |
| 2000                   | 88              | 2               | 4                 | 260                                | 41.090.20 | 52                   | 2066              | 2061                         | 32204                                      | 273              | 129800           | 491                 | 447          |
| 2000                   | 159             | 7               | 9                 | 380                                | 41.090.30 | 52                   | 2066              | 2061                         | 32204                                      | 152              | 21700            | 693                 | 466          |
| 2200                   | 65              | 0               | 3                 | 215                                | 41.092.10 | 57                   | 2266              | 2260                         | 38865                                      | 424              | 646600           | 670                 | 575          |
| 2200                   | 109             | 2               | 5                 | 275                                | 41.092.20 | 57                   | 2266              | 2260                         | 38865                                      | 254              | 133500           | 610                 | 586          |
| 2200                   | 197             | 8               | 10                | 395                                | 41.092.30 | 57                   | 2266              | 2260                         | 38865                                      | 141              | 22600            | 847                 | 609          |

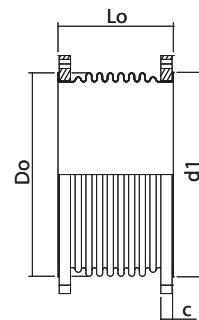
\* OFD= Outside face diameter

Design code: EN 14917

Temperature: Calculated at 20°C (EN 1333)

Minimum fatigue life: 1000 cycles

**Important:** The movements should be considered alternatives. The total accumulated coefficient of utilisation cannot exceed 1.



| DN<br>Nominal diameter                | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo<br>mm | ID no. | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|---------------------------------------|-----------------|-----------------|-------------------|---------------------------------------|--------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                                       | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                       |        | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
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# AXIAL EXPANSION JOINTS WITH LOOSE FLANGES

AX1BU / ID no. 41

**PN 6** - with flange drilling according to EN 1092-1

**Weblink: 13102**

| DN<br>Nominal diameter | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo<br>mm | ID no.    | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|------------------------|-----------------|-----------------|-------------------|---------------------------------------|-----------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                        | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                       |           | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
| 50                     | 23              | 14              | 44                | 155                                   | 41.107.10 | 16                   | 90                | 69                           | 27,9                                       | 88               | 60               | 0,6                 | 3,3          |
| 50                     | 40              | 48              | 50                | 255                                   | 41.107.20 | 16                   | 90                | 69                           | 27,9                                       | 79               | 15               | 1,1                 | 3,8          |
| 65                     | 26              | 11              | 38                | 145                                   | 41.108.10 | 16                   | 107               | 87                           | 46,0                                       | 84               | 108              | 0,9                 | 4,1          |
| 65                     | 43              | 32              | 50                | 210                                   | 41.108.20 | 16                   | 107               | 87                           | 46,0                                       | 81               | 39               | 1,4                 | 4,5          |
| 80                     | 25              | 6               | 28                | 150                                   | 41.109.10 | 18                   | 122               | 114                          | 79,4                                       | 110              | 401              | 1,1                 | 6,4          |
| 80                     | 42              | 17              | 47                | 195                                   | 41.109.20 | 18                   | 122               | 114                          | 79,4                                       | 66               | 80               | 1,7                 | 6,6          |
| 80                     | 59              | 37              | 50                | 260                                   | 41.109.30 | 18                   | 122               | 114                          | 77,3                                       | 100              | 52               | 2,5                 | 7,5          |
| 100                    | 35              | 6               | 31                | 155                                   | 41.110.10 | 18                   | 147               | 145                          | 131  | 94               | 507              | 1,7                 | 7,2          |
| 100                    | 53              | 15              | 47                | 200                                   | 41.110.20 | 18                   | 147               | 144                          | 129  | 98               | 179              | 2,6                 | 7,8          |
| 100                    | 76              | 42              | 50                | 280                                   | 41.110.30 | 18                   | 147               | 145                          | 127  | 118              | 82               | 4,4                 | 9,8          |
| 125                    | 35              | 5               | 25                | 160                                   | 41.111.10 | 20                   | 178               | 171                          | 188  | 92               | 831              | 2,4                 | 9,5          |
| 125                    | 62              | 17              | 46                | 215                                   | 41.111.20 | 20                   | 178               | 171                          | 187  | 85               | 197              | 4                   | 10,5         |
| 125                    | 82              | 43              | 50                | 310                                   | 41.111.30 | 20                   | 178               | 170                          | 182  | 111              | 103              | 7,2                 | 13,4         |
| 150                    | 38              | 5               | 23                | 180                                   | 41.112.10 | 20                   | 202               | 204                          | 271  | 112              | 980              | 4,1                 | 10,5         |
| 150                    | 65              | 20              | 40                | 255                                   | 41.112.20 | 20                   | 202               | 204                          | 267  | 131              | 306              | 7,7                 | 12,6         |
| 150                    | 103             | 53              | 50                | 364                                   | 41.112.30 | 20                   | 202               | 204                          | 262  | 152              | 126              | 13                  | 16,7         |
| 200                    | 51              | 6               | 24                | 185                                   | 41.114.10 | 22                   | 258               | 257                          | 442  | 86               | 879              | 7,4                 | 15,4         |
| 200                    | 88              | 23              | 42                | 275                                   | 41.114.20 | 22                   | 258               | 259                          | 441  | 106              | 311              | 14                  | 18,6         |
| 200                    | 110             | 38              | 50                | 330                                   | 41.114.30 | 22                   | 258               | 259                          | 435  | 154              | 265              | 18                  | 23,1         |
| 250                    | 46              | 5               | 18                | 190                                   | 41.115.10 | 24                   | 312               | 309                          | 663  | 94               | 1860             | 12                  | 19,8         |
| 250                    | 86              | 18              | 33                | 280                                   | 41.115.20 | 24                   | 312               | 314                          | 670  | 109              | 556              | 22                  | 23,8         |
| 250                    | 111             | 37              | 44                | 375                                   | 41.115.30 | 24                   | 312               | 310                          | 656  | 117              | 283              | 32                  | 28,6         |
| 300                    | 58              | 5               | 19                | 205                                   | 41.116.10 | 24                   | 365               | 365                          | 927  | 127              | 3000             | 17                  | 27,4         |
| 300                    | 84              | 12              | 28                | 240                                   | 41.116.20 | 24                   | 365               | 364                          | 924  | 87               | 877              | 24                  | 28,3         |
| 300                    | 115             | 24              | 38                | 305                                   | 41.116.30 | 24                   | 365               | 370                          | 933  | 121              | 629              | 34                  | 34,9         |
| 350                    | 55              | 4               | 16                | 200                                   | 41.117.10 | 26                   | 410               | 396                          | 1104                                       | 131              | 3900             | 21                  | 37,6         |
| 350                    | 89              | 11              | 27                | 245                                   | 41.117.20 | 26                   | 410               | 398                          | 1110                                       | 83               | 986              | 28                  | 39,6         |
| 350                    | 123             | 27              | 37                | 340                                   | 41.117.30 | 26                   | 410               | 400                          | 1108                                       | 112              | 582              | 46                  | 47,8         |

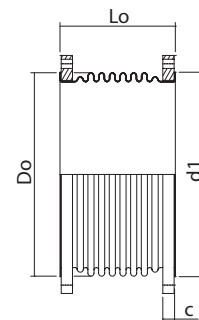
\* OFD= Outside face diameter

Design code: EN 14917

Temperature: Calculated at 20°C (EN 1333)

Minimum fatigue life: 1000 cycles

**Important:** The movements should be considered alternatives. The total accumulated coefficient of utilisation cannot exceed 1.



| DN<br>Nominal diameter | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo mm | ID no.    | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|------------------------|-----------------|-----------------|-------------------|------------------------------------|-----------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                        | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                    |           | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
| 400                    | 65              | 7               | 17                | 250                                | 41.118.10 | 28                   | 465               | 453                          | 1451                                       | 114              | 2380             | 36                  | 44,7         |
| 400                    | 117             | 19              | 31                | 315                                | 41.118.20 | 28                   | 465               | 458                          | 1462                                       | 105              | 846              | 52                  | 50,2         |
| 400                    | 147             | 42              | 39                | 460                                | 41.118.30 | 28                   | 465               | 455                          | 1441                                       | 145              | 505              | 87                  | 64,9         |
| 450                    | 54              | 4               | 12                | 235                                | 41.119.10 | 30                   | 520               | 510                          | 1836                                       | 179              | 7320             | 41                  | 56,2         |
| 450                    | 90              | 11              | 21                | 290                                | 41.119.20 | 30                   | 520               | 514                          | 1851                                       | 107              | 1770             | 56                  | 59,0         |
| 450                    | 157             | 34              | 37                | 420                                | 41.119.30 | 30                   | 520               | 513                          | 1830                                       | 140              | 742              | 96                  | 77,5         |
| 500                    | 61              | 5               | 13                | 260                                | 41.120.10 | 30                   | 570               | 568                          | 2273                                       | 196              | 7270             | 57                  | 60,7         |
| 500                    | 108             | 16              | 23                | 360                                | 41.120.20 | 30                   | 570               | 567                          | 2269                                       | 112              | 1210             | 93                  | 63,8         |
| 500                    | 171             | 36              | 36                | 460                                | 41.120.30 | 30                   | 570               | 569                          | 2259                                       | 161              | 819              | 130                 | 84,4         |
| 600                    | 63              | 5               | 11                | 305                                | 41.122.10 | 32                   | 670               | 666                          | 3191                                       | 237              | 8930             | 98                  | 79,0         |
| 600                    | 131             | 16              | 23                | 375                                | 41.122.20 | 32                   | 670               | 681                          | 3256                                       | 185              | 2420             | 134                 | 89,3         |
| 600                    | 189             | 34              | 33                | 480                                | 41.122.30 | 32                   | 670               | 679                          | 3235                                       | 180              | 1120             | 190                 | 108          |
| 700                    | 57              | 4               | 8                 | 325                                | 41.124.10 | 40                   | 775               | 762                          | 4248                                       | 279              | 14500            | 135                 | 115          |
| 700                    | 121             | 12              | 18                | 390                                | 41.124.20 | 40                   | 775               | 776                          | 4316                                       | 201              | 4200             | 178                 | 127          |
| 700                    | 195             | 33              | 30                | 530                                | 41.124.30 | 40                   | 775               | 775                          | 4298                                       | 175              | 1390             | 277                 | 148          |
| 800                    | 68              | 3               | 9                 | 305                                | 41.126.10 | 44                   | 880               | 878                          | 5586                                       | 364              | 34500            | 163                 | 160          |
| 800                    | 119             | 11              | 16                | 400                                | 41.126.20 | 44                   | 880               | 878                          | 5586                                       | 208              | 5920             | 233                 | 168          |
| 800                    | 208             | 28              | 28                | 500                                | 41.126.30 | 44                   | 880               | 885                          | 5618                                       | 171              | 2020             | 324                 | 192          |
| 900                    | 65              | 3               | 7                 | 310                                | 41.128.10 | 48                   | 980               | 979                          | 7011                                       | 390              | 50800            | 205                 | 192          |
| 900                    | 116             | 9               | 14                | 405                                | 41.128.20 | 48                   | 980               | 980                          | 7019                                       | 218              | 8460             | 289                 | 200          |
| 900                    | 199             | 24              | 24                | 510                                | 41.128.30 | 48                   | 980               | 986                          | 7047                                       | 178              | 2860             | 410                 | 227          |
| 1000                   | 62              | 2               | 6                 | 320                                | 41.130.10 | 52                   | 1080              | 1080                         | 8599                                       | 424              | 67600            | 258                 | 223          |
| 1000                   | 109             | 8               | 11                | 415                                | 41.130.20 | 52                   | 1080              | 1080                         | 8599                                       | 242              | 12000            | 360                 | 233          |
| 1000                   | 211             | 23              | 23                | 535                                | 41.130.30 | 52                   | 1080              | 1092                         | 8679                                       | 171              | 3390             | 499                 | 263          |
| 1200                   | 66              | 3               | 6                 | 285                                | 41.132.10 | 60                   | 1295              | 1248                         | 11652                                      | 452              | 68000            | 397                 | 351          |
| 1200                   | 114             | 8               | 10                | 380                                | 41.132.20 | 60                   | 1295              | 1251                         | 11681                                      | 254              | 14200            | 550                 | 362          |
| 1200                   | 214             | 22              | 20                | 480                                | 41.132.30 | 60                   | 1295              | 1263                         | 11781                                      | 175              | 4320             | 749                 | 399          |

Please refer to WebLink 13102 or the QR code to access online tools and online inquiry/order form and more

information about: **Primer, connection ends, inner sleeve, cover etc.**



# AXIAL EXPANSION JOINTS WITH LOOSE FLANGES

AX1BU / ID no. 41

**PN 10** - with flange drilling according to EN 1092-1

**Weblink: 13102**

| DN<br>Nominal diameter | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo<br>mm | ID no.    | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|------------------------|-----------------|-----------------|-------------------|---------------------------------------|-----------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                        | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                       |           | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
| 25                     | 12              | 9               | 40                | 115                                   | 41.154.10 | 16                   | 68                | 40                           | 9,2  | 96               | 45               | 0,3                 | 2,4          |
| 32                     | 15              | 8               | 41                | 110                                   | 41.155.10 | 18                   | 78                | 50                           | 13,6                                       | 89               | 68               | 0,3                 | 4,0          |
| 40                     | 19              | 16              | 46                | 155                                   | 41.156.10 | 18                   | 88                | 55                           | 17,0                                       | 102              | 39               | 0,6                 | 4,5          |
| 50                     | 18              | 9               | 34                | 145                                   | 41.157.10 | 20                   | 92                | 69                           | 27,9                                       | 110              | 110              | 0,8                 | 5,8          |
| 50                     | 31              | 28              | 50                | 210                                   | 41.157.20 | 20                   | 92                | 69                           | 27,9                                       | 105              | 35               | 1,3                 | 6,2          |
| 65                     | 25              | 11              | 37                | 150                                   | 41.158.10 | 20                   | 107               | 87                           | 46,0                                       | 85               | 115              | 1,3                 | 6,7          |
| 65                     | 35              | 24              | 50                | 210                                   | 41.158.20 | 20                   | 107               | 86                           | 45,4                                       | 99               | 53               | 2,1                 | 7,1          |
| 80                     | 23              | 5               | 26                | 155                                   | 41.159.10 | 20                   | 122               | 114                          | 79,4                                       | 111              | 401              | 1,7                 | 7,7          |
| 80                     | 33              | 11              | 37                | 180                                   | 41.159.20 | 20                   | 122               | 114                          | 78,4                                       | 128              | 240              | 2,3                 | 8,0          |
| 80                     | 46              | 29              | 50                | 265                                   | 41.159.30 | 20                   | 122               | 113                          | 76,7                                       | 127              | 83               | 4,1                 | 8,8          |
| 100                    | 30              | 5               | 26                | 155                                   | 41.160.10 | 22                   | 147               | 144                          | 130  | 95               | 539              | 2,7                 | 9,5          |
| 100                    | 43              | 13              | 39                | 195                                   | 41.160.20 | 22                   | 147               | 141                          | 126  | 107              | 248              | 4                   | 10,1         |
| 100                    | 57              | 32              | 50                | 295                                   | 41.160.30 | 22                   | 147               | 140                          | 122  | 152              | 123              | 7,3                 | 12,1         |
| 125                    | 30              | 4               | 22                | 155                                   | 41.161.10 | 22                   | 178               | 170                          | 187  | 96               | 886              | 3,8                 | 11,7         |
| 125                    | 45              | 11              | 33                | 195                                   | 41.161.20 | 22                   | 178               | 168                          | 183  | 105              | 378              | 5,7                 | 12,3         |
| 125                    | 63              | 27              | 47                | 280                                   | 41.161.30 | 22                   | 178               | 169                          | 181  | 144              | 193              | 10                  | 14,9         |
| 150                    | 28              | 3               | 17                | 165                                   | 41.162.10 | 24                   | 208               | 203                          | 268  | 220              | 3380             | 5,8                 | 15,7         |
| 150                    | 61              | 17              | 37                | 250                                   | 41.162.20 | 24                   | 208               | 206                          | 270  | 139              | 351              | 12                  | 17,4         |
| 150                    | 71              | 33              | 45                | 345                                   | 41.162.30 | 24                   | 208               | 198                          | 256  | 172              | 213              | 19                  | 19,2         |
| 200                    | 35              | 4               | 17                | 185                                   | 41.164.10 | 24                   | 258               | 257                          | 437  | 251              | 4150             | 12                  | 21,3         |
| 200                    | 67              | 13              | 32                | 230                                   | 41.164.20 | 24                   | 258               | 262                          | 446  | 139              | 703              | 18                  | 22,5         |
| 200                    | 91              | 26              | 44                | 300                                   | 41.164.30 | 24                   | 258               | 259                          | 435  | 185              | 440              | 25                  | 26,5         |
| 250                    | 35              | 3               | 13                | 190                                   | 41.165.10 | 26                   | 320               | 313                          | 667  | 258              | 6760             | 19                  | 27,6         |
| 250                    | 65              | 10              | 25                | 235                                   | 41.165.20 | 26                   | 320               | 317                          | 677  | 142              | 1280             | 26                  | 28,6         |
| 250                    | 95              | 24              | 37                | 325                                   | 41.165.30 | 26                   | 320               | 313                          | 659  | 180              | 621              | 42                  | 35,3         |
| 300                    | 39              | 3               | 12                | 185                                   | 41.166.10 | 26                   | 370               | 368                          | 932  | 238              | 9460             | 25                  | 32,0         |
| 300                    | 91              | 16              | 30                | 275                                   | 41.166.20 | 26                   | 370               | 370                          | 933  | 150              | 1100             | 47                  | 36,7         |
| 300                    | 115             | 28              | 38                | 350                                   | 41.166.30 | 26                   | 370               | 373                          | 930  | 200              | 805              | 65                  | 47,2         |

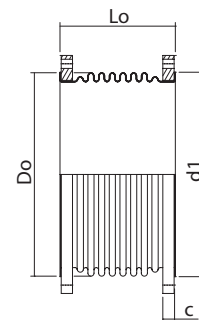
\* OFD= Outside face diameter

Design code: EN 14917

Temperature: Calculated at 20°C (EN 1333)

Minimum fatigue life: 1000 cycles

**Important:** The movements should be considered alternatives. The total accumulated coefficient of utilisation cannot exceed 1.



| DN<br>Nominal diameter | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo mm | ID no.    | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|------------------------|-----------------|-----------------|-------------------|------------------------------------|-----------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                        | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                    |           | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Dø<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
| 350                    | 37              | 2               | 11                | 195                                | 41.167.10 | 30                   | 410               | 399                          | 1110                                       | 257              | 12800            | 30                  | 49,0         |
| 350                    | 82              | 10              | 24                | 250                                | 41.167.20 | 30                   | 410               | 407                          | 1129                                       | 171              | 2240             | 45                  | 54,2         |
| 350                    | 106             | 21              | 32                | 330                                | 41.167.30 | 30                   | 410               | 400                          | 1103                                       | 170              | 1030             | 69                  | 59,0         |
| 400                    | 47              | 3               | 12                | 210                                | 41.168.10 | 32                   | 465               | 459                          | 1459                                       | 357              | 19200            | 44                  | 63,0         |
| 400                    | 93              | 15              | 24                | 330                                | 41.168.20 | 32                   | 465               | 459                          | 1461                                       | 159              | 1410             | 88                  | 68,1         |
| 400                    | 123             | 27              | 32                | 400                                | 41.168.30 | 32                   | 465               | 458                          | 1443                                       | 228              | 1160             | 115                 | 80,1         |
| 450                    | 66              | 6               | 15                | 260                                | 41.169.10 | 36                   | 520               | 508                          | 1818                                       | 255              | 7310             | 72                  | 78,4         |
| 450                    | 101             | 14              | 23                | 330                                | 41.169.20 | 36                   | 520               | 515                          | 1838                                       | 215              | 2530             | 106                 | 86,8         |
| 450                    | 143             | 34              | 34                | 465                                | 41.169.30 | 36                   | 520               | 515                          | 1822                                       | 247              | 1170             | 173                 | 110          |
| 500                    | 39              | 2               | 8                 | 235                                | 41.170.10 | 38                   | 570               | 562                          | 2236                                       | 531              | 49400            | 80                  | 90,5         |
| 500                    | 96              | 10              | 20                | 320                                | 41.170.20 | 38                   | 570               | 568                          | 2254                                       | 296              | 4780             | 117                 | 99,3         |
| 500                    | 141             | 26              | 30                | 435                                | 41.170.30 | 38                   | 570               | 569                          | 2249                                       | 251              | 1670             | 186                 | 112          |
| 600                    | 42              | 2               | 7                 | 265                                | 41.172.10 | 37                   | 670               | 660                          | 3147                                       | 663              | 58900            | 135                 | 108          |
| 600                    | 106             | 11              | 19                | 365                                | 41.172.20 | 37                   | 670               | 669                          | 3183                                       | 327              | 5710             | 197                 | 119          |
| 600                    | 175             | 37              | 31                | 550                                | 41.172.30 | 37                   | 670               | 678                          | 3208                                       | 295              | 1580             | 362                 | 153          |
| 700                    | 62              | 3               | 9                 | 310                                | 41.174.10 | 42                   | 780               | 772                          | 4280                                       | 536              | 33900            | 207                 | 160          |
| 700                    | 109             | 12              | 16                | 405                                | 41.174.20 | 42                   | 780               | 772                          | 4280                                       | 306              | 6150             | 302                 | 169          |
| 700                    | 183             | 30              | 28                | 525                                | 41.174.30 | 42                   | 780               | 784                          | 4327                                       | 294              | 2430             | 444                 | 205          |

Please refer to WebLink 13102 or the QR code to access online tools and online inquiry/order form and more

information about: **Primer, connection ends, inner sleeve, cover etc.**





# AXIAL EXPANSION JOINTS WITH LOOSE FLANGES

AX1BU / ID no. 41

**PN 16** - with flange drilling according to EN 1092-1

**Weblink: 13102**

| DN<br>Nominal diameter | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo<br>mm | ID no.    | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|------------------------|-----------------|-----------------|-------------------|---------------------------------------|-----------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                        | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                       |           | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
| 25                     | 12              | 9               | 40                | 115                                   | 41.204.10 | 16                   | 68                | 40                           | 9,2  | 97               | 45               | 0,4                 | 2,4          |
| 32                     | 15              | 8               | 41                | 110                                   | 41.205.10 | 18                   | 78                | 50                           | 13,6                                       | 89               | 68               | 0,5                 | 4,0          |
| 40                     | 18              | 16              | 44                | 165                                   | 41.206.10 | 18                   | 88                | 55                           | 17,0                                       | 174              | 56               | 1,1                 | 4,6          |
| 50                     | 18              | 9               | 34                | 145                                   | 41.207.10 | 20                   | 92                | 69                           | 27,9                                       | 111              | 110              | 1,2                 | 5,8          |
| 50                     | 28              | 27              | 50                | 220                                   | 41.207.20 | 20                   | 92                | 68                           | 27,1                                       | 173              | 53               | 2,1                 | 6,4          |
| 65                     | 20              | 8               | 30                | 145                                   | 41.208.10 | 20                   | 107               | 86                           | 45,4                                       | 107              | 171              | 1,9                 | 6,7          |
| 65                     | 37              | 27              | 50                | 215                                   | 41.208.20 | 20                   | 107               | 87                           | 45,3                                       | 176              | 87               | 3,4                 | 7,7          |
| 80                     | 21              | 5               | 24                | 155                                   | 41.209.10 | 20                   | 122               | 113                          | 78,6                                       | 119              | 440              | 2,7                 | 7,7          |
| 80                     | 40              | 21              | 47                | 235                                   | 41.209.20 | 20                   | 122               | 112                          | 74,9                                       | 190              | 161              | 5,2                 | 8,8          |
| 100                    | 29              | 5               | 26                | 160                                   | 41.210.10 | 22                   | 147               | 143                          | 128  | 152              | 775              | 4,4                 | 9,8          |
| 100                    | 43              | 14              | 39                | 210                                   | 41.210.20 | 22                   | 147               | 141                          | 123  | 190              | 354              | 6,8                 | 10,9         |
| 125                    | 19              | 2               | 14                | 150                                   | 41.211.10 | 22                   | 178               | 170                          | 186  | 198              | 2810             | 5,6                 | 11,8         |
| 125                    | 40              | 9               | 29                | 190                                   | 41.211.20 | 22                   | 178               | 173                          | 187  | 163              | 684              | 8,8                 | 12,9         |
| 125                    | 50              | 15              | 37                | 225                                   | 41.211.30 | 22                   | 178               | 172                          | 184  | 183              | 431              | 12                  | 14,2         |
| 150                    | 24              | 3               | 14                | 170                                   | 41.212.10 | 24                   | 208               | 205                          | 269  | 330              | 4890             | 9,6                 | 16,2         |
| 150                    | 40              | 7               | 24                | 200                                   | 41.212.20 | 24                   | 208               | 208                          | 273  | 202              | 1140             | 13                  | 16,8         |
| 150                    | 63              | 19              | 39                | 265                                   | 41.212.30 | 24                   | 208               | 206                          | 265  | 247              | 526              | 20                  | 19,4         |
| 200                    | 32              | 3               | 15                | 180                                   | 41.214.10 | 26                   | 258               | 261                          | 442  | 393              | 8190             | 17                  | 21,7         |
| 200                    | 60              | 12              | 29                | 245                                   | 41.214.20 | 26                   | 258               | 259                          | 438  | 206              | 1010             | 29                  | 23,4         |
| 200                    | 75              | 25              | 36                | 340                                   | 41.214.30 | 26                   | 258               | 257                          | 427  | 278              | 597              | 46                  | 29,7         |
| 250                    | 34              | 4               | 13                | 220                                   | 41.215.10 | 29                   | 320               | 309                          | 658  | 269              | 5220             | 32                  | 30,4         |
| 250                    | 59              | 9               | 23                | 260                                   | 41.215.20 | 29                   | 320               | 314                          | 666  | 218              | 1820             | 43                  | 33,1         |
| 250                    | 80              | 24              | 31                | 360                                   | 41.215.30 | 29                   | 320               | 312                          | 652  | 282              | 895              | 74                  | 41,0         |
| 300                    | 28              | 1               | 9                 | 200                                   | 41.216.10 | 32                   | 375               | 365                          | 919  | 469              | 26000            | 36                  | 40,6         |
| 300                    | 63              | 8               | 21                | 255                                   | 41.216.20 | 32                   | 375               | 370                          | 928  | 282              | 3840             | 55                  | 44,9         |
| 300                    | 89              | 20              | 29                | 345                                   | 41.216.30 | 32                   | 375               | 369                          | 920  | 259              | 1270             | 96                  | 55,0         |
| 350                    | 34              | 2               | 10                | 215                                   | 41.217.10 | 35                   | 410               | 396                          | 1096                                       | 406              | 16500            | 50                  | 59,9         |
| 350                    | 60              | 7               | 18                | 250                                   | 41.217.20 | 35                   | 410               | 401                          | 1106                                       | 299              | 5330             | 66                  | 63,8         |
| 350                    | 90              | 19              | 27                | 350                                   | 41.217.30 | 35                   | 410               | 402                          | 1103                                       | 262              | 1580             | 114                 | 74,9         |

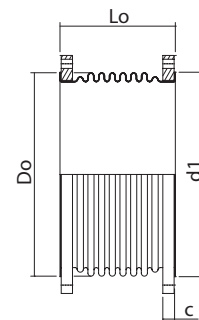
\* OFD= Outside face diameter

Design code: EN 14917

Temperature: Calculated at 20°C (EN 1333)

Minimum fatigue life: 1000 cycles

**Important:** The movements should be considered alternatives. The total accumulated coefficient of utilisation cannot exceed 1.



| DN<br>Nominal diameter | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo<br>mm | ID no.    | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|------------------------|-----------------|-----------------|-------------------|---------------------------------------|-----------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                        | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                       |           | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
| 400                    | 45              | 4               | 12                | 250                                   | 41.218.10 | 38                   | 465               | 458                          | 1451                                       | 464              | 15100            | 81                  | 80,2         |
| 400                    | 71              | 10              | 18                | 315                                   | 41.218.20 | 38                   | 465               | 457                          | 1447                                       | 297              | 3670             | 119                 | 82,7         |
| 400                    | 97              | 16              | 25                | 345                                   | 41.218.30 | 38                   | 465               | 462                          | 1457                                       | 288              | 2300             | 139                 | 89,5         |
| 450                    | 42              | 3               | 10                | 260                                   | 41.219.10 | 42                   | 520               | 507                          | 1808                                       | 525              | 22800            | 103                 | 102          |
| 450                    | 68              | 8               | 16                | 320                                   | 41.219.20 | 42                   | 520               | 507                          | 1808                                       | 326              | 5530             | 147                 | 105          |
| 450                    | 95              | 14              | 22                | 355                                   | 41.219.30 | 42                   | 520               | 513                          | 1822                                       | 300              | 3120             | 175                 | 113          |
| 500                    | 49              | 4               | 10                | 310                                   | 41.220.10 | 46                   | 570               | 559                          | 2217                                       | 562              | 18400            | 158                 | 138          |
| 500                    | 68              | 8               | 14                | 365                                   | 41.220.20 | 46                   | 570               | 559                          | 2217                                       | 404              | 6450             | 209                 | 142          |
| 500                    | 103             | 15              | 22                | 400                                   | 41.220.30 | 46                   | 570               | 568                          | 2245                                       | 337              | 3310             | 243                 | 150          |

Please refer to WebLink 13102 or the QR code to access online tools and online inquiry/order form and more

information about: **Primer, connection ends, inner sleeve, cover etc.**



# AXIAL EXPANSION JOINTS WITH LOOSE FLANGES

AX1BU / ID no. 41

**PN 25** - with flange drilling according to EN 1092-1

**Weblink: 13102**

| DN<br>Nominal diameter | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo<br>mm | ID no.    | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|------------------------|-----------------|-----------------|-------------------|---------------------------------------|-----------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                        | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                       |           | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
| 50                     | 15              | 6               | 28                | 135                                   | 41.257.10 | 20                   | 92                | 69                           | 27,9                                       | 130              | 157              | 1,7                 | 5,2          |
| 50                     | 22              | 17              | 43                | 190                                   | 41.257.20 | 20                   | 92                | 68                           | 27,1                                       | 222              | 99               | 2,7                 | 5,6          |
| 65                     | 16              | 6               | 24                | 140                                   | 41.258.10 | 22                   | 107               | 85                           | 43,6                                       | 150              | 268              | 2,6                 | 6,7          |
| 65                     | 29              | 24              | 45                | 235                                   | 41.258.20 | 22                   | 107               | 84                           | 42,4                                       | 270              | 112              | 5,4                 | 7,7          |
| 80                     | 20              | 5               | 23                | 165                                   | 41.259.10 | 24                   | 122               | 113                          | 77,6                                       | 191              | 655              | 4,2                 | 8,7          |
| 80                     | 31              | 13              | 36                | 215                                   | 41.259.20 | 24                   | 122               | 112                          | 74,9                                       | 241              | 305              | 6,6                 | 9,6          |
| 100                    | 23              | 4               | 20                | 165                                   | 41.260.10 | 26                   | 147               | 142                          | 126  | 266              | 1650             | 6,3                 | 12,5         |
| 100                    | 36              | 12              | 33                | 220                                   | 41.260.20 | 26                   | 147               | 138                          | 120  | 230              | 460              | 11                  | 13,3         |
| 125                    | 28              | 5               | 21                | 190                                   | 41.261.10 | 28                   | 178               | 170                          | 184  | 223              | 1300             | 12                  | 17,3         |
| 125                    | 43              | 12              | 32                | 235                                   | 41.261.20 | 28                   | 178               | 171                          | 181  | 279              | 703              | 17                  | 19,4         |
| 150                    | 25              | 3               | 15                | 195                                   | 41.262.10 | 30                   | 208               | 206                          | 268  | 452              | 6060             | 15                  | 21,9         |
| 150                    | 47              | 13              | 29                | 265                                   | 41.262.20 | 30                   | 208               | 203                          | 261  | 321              | 873              | 29                  | 24,3         |
| 200                    | 27              | 2               | 13                | 195                                   | 41.264.10 | 32                   | 258               | 257                          | 431  | 585              | 12300            | 26                  | 31,3         |
| 200                    | 51              | 9               | 24                | 250                                   | 41.264.20 | 32                   | 258               | 259                          | 435  | 313              | 1690             | 41                  | 33,6         |
| 200                    | 60              | 17              | 29                | 315                                   | 41.264.30 | 32                   | 258               | 257                          | 427  | 352              | 1040             | 60                  | 36,9         |
| 250                    | 24              | 2               | 9                 | 205                                   | 41.265.10 | 35                   | 320               | 309                          | 650  | 718              | 22500            | 42                  | 43,8         |
| 250                    | 46              | 7               | 18                | 255                                   | 41.265.20 | 35                   | 320               | 311                          | 655  | 372              | 3740             | 62                  | 46,6         |
| 250                    | 63              | 14              | 24                | 330                                   | 41.265.30 | 35                   | 320               | 314                          | 657  | 358              | 1670             | 92                  | 50,7         |
| 300                    | 30              | 2               | 10                | 225                                   | 41.266.10 | 38                   | 375               | 360                          | 901  | 622              | 19800            | 65                  | 57,9         |
| 300                    | 48              | 7               | 16                | 280                                   | 41.266.20 | 38                   | 375               | 360                          | 901  | 389              | 4410             | 97                  | 59,9         |
| 300                    | 65              | 11              | 21                | 305                                   | 41.266.30 | 38                   | 375               | 370                          | 922  | 358              | 2820             | 114                 | 64,9         |
| 350                    | 28              | 2               | 8                 | 235                                   | 41.267.10 | 42                   | 410               | 391                          | 1076                                       | 702              | 25600            | 80                  | 87,9         |
| 350                    | 45              | 6               | 13                | 285                                   | 41.267.20 | 42                   | 410               | 391                          | 1076                                       | 438              | 6410             | 114                 | 90,1         |
| 350                    | 62              | 9               | 18                | 315                                   | 41.267.30 | 42                   | 410               | 401                          | 1100                                       | 392              | 3780             | 138                 | 95,5         |
| 400                    | 28              | 2               | 7                 | 260                                   | 41.268.10 | 48                   | 465               | 450                          | 1416                                       | 1060             | 49400            | 115                 | 123          |
| 400                    | 46              | 5               | 12                | 300                                   | 41.268.20 | 48                   | 465               | 452                          | 1423                                       | 637              | 13400            | 148                 | 126          |
| 400                    | 82              | 15              | 21                | 400                                   | 41.268.30 | 48                   | 465               | 459                          | 1441                                       | 435              | 2940             | 245                 | 140          |

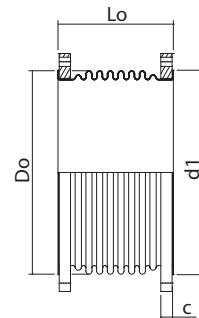
\* OFD= Outside face diameter

Design code: EN 14917

Temperature: Calculated at 20°C (EN 1333)

Minimum fatigue life: 1000 cycles

**Important:** The movements should be considered alternatives. The total accumulated coefficient of utilisation cannot exceed 1.



| DN<br>Nominal diameter                | MOVEMENT        |                 |                   | LENGTH<br>Built-in length<br>Lo<br>mm | ID no. | FLANGE               |                   | BELLOW                       |  | ADJUSTING FORCES |                  |                     | WEIGHT<br>kg |
|---------------------------------------|-----------------|-----------------|-------------------|---------------------------------------|--------|----------------------|-------------------|------------------------------|--|------------------|------------------|---------------------|--------------|
|                                       | AX<br>2δN<br>mm | LA<br>2λN<br>mm | AN<br>2αN<br>deg. |                                       |        | Thickness<br>c<br>mm | OFD *<br>d1<br>mm | Outside diameter<br>Do<br>mm | Eff. cross-section<br>A<br>cm <sup>2</sup> | AX<br>Cδ<br>N/mm | LA<br>Cλ<br>N/mm | AN<br>Cα<br>Nm/deg. |              |
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Please refer to WebLink 13102 or the QR code to access online tools and online inquiry/order form and more

information about: **Primer, connection ends, inner sleeve, cover etc.**

