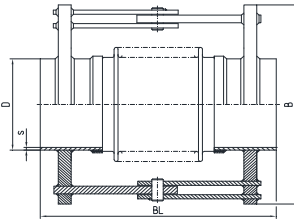




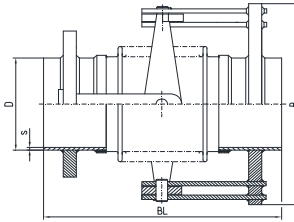
### Angularkompensatoren mit Schweißenden

Angular expansion joints with weld ends

**PN 16**



Typ WN/WF - ohne/mit Leitrohr  
type WN/WF - without/with inner sleeve  
einseitig beweglich  
single-side movable



Typ KN/KF - ohne/mit Leitrohr  
type KN/KF - without/with inner sleeve  
allseits beweglich  
all sides movable

WN/WF  
KN/KF  
  
PN 16  
16bar/20°C  
R / R

DN 50 - DN 1000 Ausgabe 06/2015

| Nennweite | Bewegungs-<br>aufnahme<br>(±50%) | Typ<br><br>Bestellbez.<br>des Herstellers | Bau-<br>länge<br>(± 3%) | Größte<br>Breite | Schweißende | Verstellkraftdaten   |                |                | Gewicht<br>gesamt<br>(± 5%)<br>WN/WF | Gewicht<br>gesamt<br>(± 5%)<br>KN/KF |
|-----------|----------------------------------|-------------------------------------------|-------------------------|------------------|-------------|----------------------|----------------|----------------|--------------------------------------|--------------------------------------|
|           |                                  |                                           |                         |                  |             | c <sub>r</sub>       | c <sub>w</sub> | c <sub>p</sub> |                                      |                                      |
| NB        | movement (±50%)                  | type                                      | fitting<br>length       | largest<br>width | weld<br>end | adjusting force rate |                |                | weight                               | weight                               |
| DN        | angular                          | -                                         | BL/FL                   | B                | D x s       | -                    | -              | -              | -                                    | -                                    |
| mm / inch | grd.                             | -                                         | mm                      | mm               | mm          | Nm/bar               | Nm/gr.         | Nm/gr./bar     | kg                                   | kg                                   |
| 50 / 2"   | 17                               | WN 50/ 16/ w 17/ R/ R                     | 200                     | 160              | 60,3 x 4,0  | 0,3                  | 1,9            | 0              | 3                                    | 4                                    |
|           | 25                               | WN 50/ 16/ w 25/ R/ R                     | 220                     | 160              |             | 0,2                  | 2,4            | 0,1            | 3                                    | 4                                    |
|           | 34                               | WN 50/ 16/ w 34/ R/ R                     | 240                     | 160              |             | 0,2                  | 2,5            | 0,1            | 4                                    | 5                                    |
| 65 / 2½"  | 17                               | WN 65/ 16/ w 17/ R/ R                     | 200                     | 180              | 76,1 x 4,0  | 0,5                  | 3,7            | 0,1            | 5                                    | 6                                    |
|           | 25                               | WN 65/ 16/ w 25/ R/ R                     | 220                     | 180              |             | 0,5                  | 3              | 0,1            | 5                                    | 7                                    |
|           | 34                               | WN 65/ 16/ w 34/ R/ R                     | 240                     | 180              |             | 0,5                  | 3,6            | 0,1            | 5                                    | 7                                    |
| 80 / 3"   | 15                               | WN 80/ 16/ w 15/ R/ R                     | 220                     | 200              | 88,9 x 4,0  | 0,7                  | 5,4            | 0,1            | 5                                    | 7                                    |
|           | 23                               | WN 80/ 16/ w 23/ R/ R                     | 250                     | 200              |             | 0,6                  | 8,3            | 0,3            | 8                                    | 10                                   |
|           | 32                               | WN 80/ 16/ w 32/ R/ R                     | 285                     | 200              |             | 0,6                  | 7,3            | 0,3            | 10                                   | 12                                   |
| 100 / 4"  | 14                               | WN 100/ 16/ w 14/ R/ R                    | 220                     | 280              | 114,3 x 4,0 | 1,1                  | 10,7           | 0,2            | 10                                   | 13                                   |
|           | 24                               | WN 100/ 16/ w 24/ R/ R                    | 245                     | 280              |             | 1,1                  | 10             | 0,3            | 11                                   | 15                                   |
|           | 33                               | WN 100/ 16/ w 33/ R/ R                    | 290                     | 300              |             | 1,1                  | 14,3           | 0,4            | 15                                   | 19                                   |
| 125 / 5"  | 15                               | WN 125/ 16/ w 15/ R/ R                    | 260                     | 330              | 139,7 x 4,0 | 1,6                  | 14,8           | 0,3            | 20                                   | 26                                   |
|           | 24                               | WN 125/ 16/ w 24/ R/ R                    | 290                     | 330              |             | 2                    | 11,9           | 0,4            | 21                                   | 28                                   |
|           | 34                               | WN 125/ 16/ w 34/ R/ R                    | 335                     | 340              |             | 2                    | 20,5           | 0,7            | 29                                   | 37                                   |
| 150 / 6"  | 12                               | WN 150/ 16/ w 12/ R/ R                    | 260                     | 360              | 168,3 x 4,5 | 2,8                  | 31,4           | 0,4            | 24                                   | 32                                   |
|           | 22                               | WN 150/ 16/ w 22/ R/ R                    | 290                     | 360              |             | 2,8                  | 29             | 0,7            | 27                                   | 36                                   |
|           | 31                               | WN 150/ 16/ w 31/ R/ R                    | 345                     | 380              |             | 2,8                  | 29,4           | 1,1            | 36                                   | 45                                   |
| 200 / 8"  | 13                               | WN 200/ 16/ w 13/ R/ R                    | 320                     | 440              | 219,1 x 6,3 | 5,7                  | 56,7           | 1              | 46                                   | 61                                   |
|           | 22                               | WN 200/ 16/ w 22/ R/ R                    | 350                     | 450              |             | 5,7                  | 37,8           | 1,5            | 50                                   | 70                                   |
|           | 31                               | WN 200/ 16/ w 31/ R/ R                    | 435                     | 460              |             | 5,7                  | 57             | 2,3            | 64                                   | 79                                   |
| 250 / 10" | 9                                | WN 250/ 16/ w 9/ R/ R                     | 330                     | 530              | 273 x 6,3   | 11,1                 | 136            | 1,2            | 72                                   | 99                                   |
|           | 16                               | WN 250/ 16/ w 16/ R/ R                    | 375                     | 530              |             | 11,1                 | 81,6           | 2              | 76                                   | 107                                  |
|           | 23                               | WN 250/ 16/ w 23/ R/ R                    | 400                     | 530              |             | 11,1                 | 68             | 2,5            | 78                                   | 114                                  |
| 300 / 12" | 9                                | WN 300/ 16/ w 9/ R/ R                     | 350                     | 560              | 323,9 x 7,1 | 15,3                 | 190,5          | 1,8            | 83                                   | 120                                  |
|           | 16                               | WN 300/ 16/ w 16/ R/ R                    | 390                     | 580              |             | 15,4                 | 109,2          | 3              | 96                                   | 141                                  |
|           | 22                               | WN 300/ 16/ w 28/ R/ R                    | 430                     | 580              |             | 15,4                 | 113,8          | 3,7            | 114                                  | 164                                  |
| 350 / 14" | 10                               | WN 350/ 16/ w 10/ R/ R                    | 380                     | 600              | 355,6 x 8,0 | 18,5                 | 225,2          | 2,37           | 99                                   | 147                                  |
|           | 16                               | WN 350/ 16/ w 16/ R/ R                    | 440                     | 620              |             | 18,5                 | 168,9          | 3,2            | 128                                  | 186                                  |
|           | 22                               | WN 350/ 16/ w 22/ R/ R                    | 490                     | 640              |             | 23,2                 | 87,9           | 4,9            | 153                                  | 211                                  |
| 400 / 16" | 10                               | WN 400/ 16/ w 10/ R/ R                    | 425                     | 680              | 406,4 x 8,0 | 30                   | 304,2          | 3,3            | 144                                  | 216                                  |
|           | 16                               | WN 400/ 16/ w 16/ R/ R                    | 460                     | 700              |             | 30                   | 228,2          | 4,4            | 160                                  | 244                                  |
|           | 22                               | WN 400/ 16/ w 22/ R/ R                    | 520                     | 710              |             | 37,5                 | 152,1          | 6,6            | 189                                  | 287                                  |
| 450 / 18" | 9                                | WN 450/ 16/ w 9/ R/ R                     | 450                     | 740              | 457 x 8,0   | 46,9                 | 507            | 4,4            | 175                                  | 272                                  |
|           | 14                               | WN 450/ 16/ w 14/ R/ R                    | 515                     | 760              |             | 46,9                 | 304,2          | 7,3            | 200                                  | 309                                  |
|           | 22                               | WN 450/ 16/ w 22/ R/ R                    | 575                     | 780              |             | 46,9                 | 264,7          | 10,6           | 242                                  | 374                                  |

technische Änderungen vorbehalten  
technical changes reserved

Balg - Werkstoff 1.4541 / 1.4571; andere Werkstoffe auf Anfrage  
below - material 1.4541 / 1.4571; additional materials by request  
Verspannungsteile - Werkstoff C-Stahl; andere Werkstoffe auf Anfrage  
braicing parts - material carbon steel; additional materials by request  
Rohrstutzen - Werkstoff C-Stahl; andere Werkstoffe auf Anfrage  
braicing parts - material carbon steel; additional materials by request

FLEXOMAT GmbH  
Lindigtstraße 2  
Gewerbegebiet Heynitz-Lehden  
01683 Nossen

Tel.: (035242) 4394 - 100  
Fax: (035242) 4394 - 140  
E-Mail: service@flexomat.de  
Web: www.flexomat.de/shop

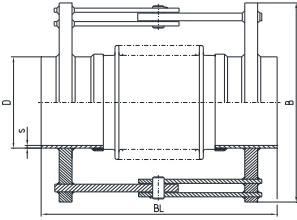




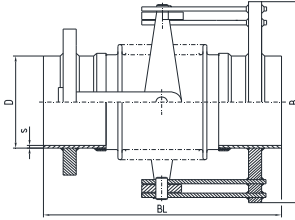
## Angularkompensatoren mit Schweißenden

Angular expansion joints with weld ends

PN 16



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Typ KN/KF - ohne/mit Leitrohr  
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all sides movable

WN/WF  
KN/KF

PN 16  
16bar/20°C  
R / R

DN 50 - DN 1000

Ausgabe 06/2015

| Nennweite  | Bewegungs-<br>aufnahme<br>(±50%) | Typ<br>Bestellbez.<br>des Herstellers | Bau-<br>länge<br>(± 3%) | Größte<br>Breite | Schweißende | Verstellkraftraten   |                |                | Gewicht<br>gesamt<br>(± 5%)<br>WN/WF | Gewicht<br>gesamt<br>(± 5%)<br>KN/KF |
|------------|----------------------------------|---------------------------------------|-------------------------|------------------|-------------|----------------------|----------------|----------------|--------------------------------------|--------------------------------------|
|            |                                  |                                       |                         |                  |             | c <sub>r</sub>       | c <sub>w</sub> | c <sub>p</sub> |                                      |                                      |
| NB         | movement (±50%)                  | type                                  | fitting<br>length       | largest<br>width | weld<br>end | adjusting force rate |                |                | weight                               | weight                               |
| DN         | angular                          | -                                     | BL/FL                   | B                | D x s       | -                    | -              | -              | -                                    | -                                    |
| mm / inch  | grd.                             | -                                     | mm                      | mm               | mm          | Nm/bar               | Nm/gr.         | Nm/gr./bar     | kg                                   | kg                                   |
| 500 / 20"  | 10                               | WN 500/ 16/ w 10/ R/ R                | 475                     | 820              | 508 x 8,0   | 57,9                 | 620,2          | 5,9            | 231                                  | 361                                  |
|            | 16                               | WN 500/ 16/ w 16/ R/ R                | 530                     | 840              |             | 57,9                 | 372,1          | 9,9            | 272                                  | 425                                  |
|            | 22                               | WN 500/ 16/ w 22/ R/ R                | 600                     | 880              |             | 57,9                 | 367,6          | 12,3           | 320                                  | 500                                  |
| 600 / 24"  | 8                                | WN 600/ 16/ w 8/ R/ R                 | 550                     | 960              | 610 x 8,0   | 97,9                 | 1033           | 8,7            | 383                                  | 591                                  |
|            | 12                               | WN 600/ 16/ w 12/ R/ R                | 610                     | 970              |             | 98                   | 620            | 14,6           | 403                                  | 631                                  |
|            | 16                               | WN 600/ 16/ w 16/ R/ R                | 650                     | 990              |             | 98                   | 516,7          | 17,5           | 436                                  | 690                                  |
| 700 / 28"  | 7                                | WN 700/ 16/ w 7/ R/ R                 | 600                     | 1090             | 711 x 10,0  | 175,9                | 1533           | 12,7           | 535                                  | 858                                  |
|            | 12                               | WN 700/ 16/ w 12/ R/ R                | 640                     | 1110             |             | 175,9                | 919,6          | 21,2           | 566                                  | 932                                  |
|            | 16                               | WN 700/ 16/ w 16/ R/ R                | 680                     | 1130             |             | 175,9                | 766,3          | 25,4           | 616                                  | 1018                                 |
| 800 / 32"  | 6                                | WN 800/ 16/ w 6/ R/ R                 | 630                     | 1220             | 813 x 10,0  | 227,1                | 2195           | 17,1           | 699                                  | 1128                                 |
|            | 12                               | WN 800/ 16/ w 12/ R/ R                | 700                     | 1250             |             | 227,1                | 1317           | 28,4           | 759                                  | 1270                                 |
|            | 16                               | WN 800/ 16/ w 16/ R/ R                | 800                     | 1250             |             | 227,1                | 940,5          | 39,8           | 805                                  | 1356                                 |
| 900 / 36"  | 6                                | WN 900/ 16/ w 6/ R/ R                 | 735                     | 1370             | 914 x 10,0  | 356,8                | 3009           | 23,2           | 976                                  | 1622                                 |
|            | 12                               | WN 900/ 16/ w 12/ R/ R                | 800                     | 1370             |             | 356,8                | 1805           | 38,7           | 1007                                 | 1732                                 |
|            | 16                               | WN 900/ 16/ w 16/ R/ R                | 900                     | 1410             |             | 356,8                | 1504           | 46,5           | 1139                                 | 1935                                 |
| 1000 / 40" | 6                                | WN 1000/ 16/ w 6/ R/ R                | 880                     | 1510             | 1016 x 10,0 | 437,3                | 4029           | 30,1           | 1277                                 | 2108                                 |
|            | 10                               | WN 1000/ 16/ w 10/ R/ R               | 940                     | 1550             |             | 437,3                | 2417           | 50,2           | 1400                                 | 2332                                 |
|            | 14                               | WN 1000/ 16/ w 14/ R/ R               | 990                     | 1550             |             | 438,1                | 2392           | 63,4           | 1530                                 | 2551                                 |

technische Änderungen vorbehalten  
technical changes reserved

Zur Beantwortung weiterer Fragen steht Ihnen das Team der Flexomat GmbH jederzeit zur Verfügung!

Zu unserem Kontaktformular

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