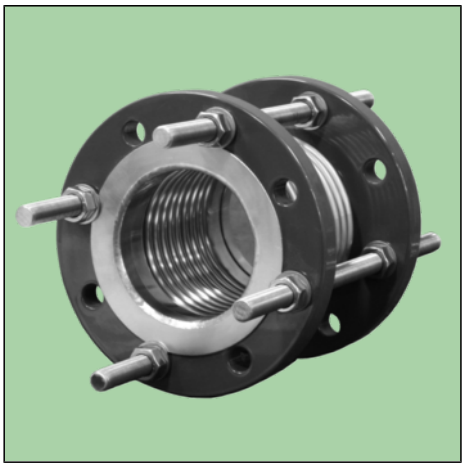
# VAG FLEXINOX® Dismantling Joint, rigid
with threaded anchor bolts through both ends, flanges made of steel - epoxy

Water

## PN 10/16 - DN 80...1200

KAT-A 5014-b-S



### Note

We recommend the use of the internal guide sleeves, if
- the medium can be expected to generate high-frequency vibrations and/or turbulence
- DN > 150 when the following flow velocities are exceeded: gaseous: 8 m/s
- liquid: 3.5 m/s

For proper installation and safe operation please follow the installation and operation instructions:
“Installation and Operating Instructions for Valves”

### Product characteristics and benefits

- With flange end acc. to EN 1092-2
- Suitable for transmission of pipe forces
- Axially adjustable
- For easy installation and dismantling of valves
- One piece stainless steel multilayer bellow
- Easy assembly/disassembly due to the elasticity of the pre-stress bellow
- Maintenance free

### Materials

- Bellow: Stainless steel 1.4571
- Flanges: Steel S235JRG2
- Threaded anchor bolts: Steel S235JRG2, galvanized

### Corrosion protection

- Flange: Epoxy coating

### Versions

- Standard version as described
- For buried installation with protective jacket of steel S235JRG2, galvanized
- Bigger sizes available on request
- Special designs available on request
- Other pressure ratings available on request
- Internal conduit of stainless steel 1.4541 to reduce friction loss and vibration

### Field of Application

- Underground installation
- Chamber installation
- Installation in plants

### Field of application

| DN | PN | Maximum operating pressure [bar] | Maximum operating temperature for neutral liquids [°C] |
|---|---|---|---|
| 80...1200 | 16 | 16 | 50 |
| 80...1200 | 10 | 10 | 50 |



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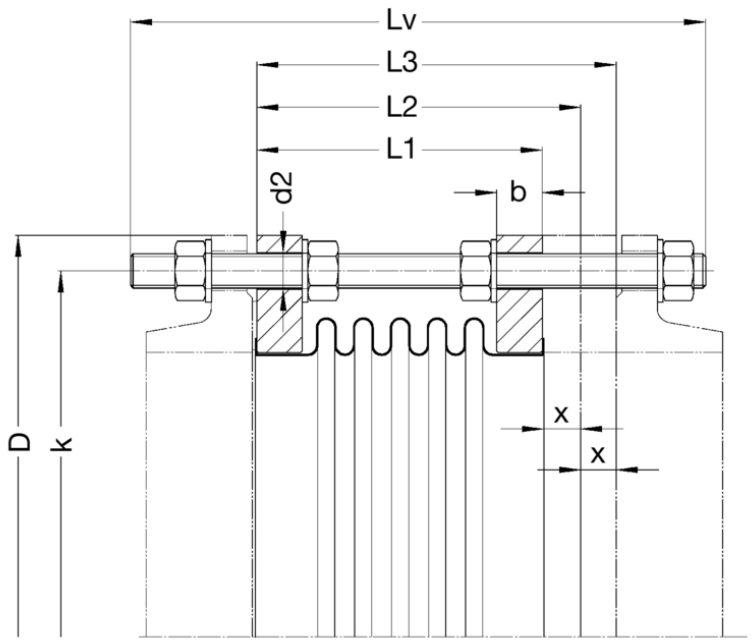
## Drawing




L1: Delivery length
L2: Length of installation
L3: Max. face-to-face length
Lv: Length of clamping
D: Outer diameter of flange
k: Bolt-circle diameter of flange

## Technical data

### PN 16

| DN | 80 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D [mm] | 200 | 220 | 250 | 285 | 315 | 340 | 405 | 460 | 520 | 580 | 640 | 715 |
| L1 [mm] | 175 | 175 | 175 | 175 | 195 | 195 | 205 | 225 | 235 | 245 | 245 | 255 |
| L2 [mm] | 200 | 200 | 200 | 200 | 220 | 220 | 230 | 250 | 260 | 270 | 270 | 280 |
| L3 [mm] | 225 | 225 | 225 | 225 | 245 | 245 | 255 | 275 | 285 | 295 | 295 | 305 |
| Lv [mm] | 325 | 330 | 335 | 340 | 365 | 365 | 395 | 415 | 435 | 455 | 470 | 490 |
| b [mm] | 20 | 22 | 24 | 24 | 26 | 26 | 32 | 32 | 36 | 38 | 42 | 44 |
| d2 [mm] | 18 | 18 | 18 | 22 | 22 | 22 | 26 | 26 | 26 | 30 | 30 | 33 |
| k [mm] | 160 | 180 | 210 | 240 | 270 | 295 | 355 | 410 | 470 | 525 | 585 | 650 |
| Thread M | 16 | 16 | 16 | 20 | 20 | 20 | 24 | 24 | 24 | 27 | 27 | 30 |
| Number of holes flange connection | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 12 | 16 | 16 | 20 | 20 |
| Number of holes of clamping | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| Adjustment [mm] dimensions +/- | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Weight approx. [kg] | 11.00 | 12.00 | 15.00 | 23.00 | 24.00 | 25.00 | 38.00 | 46.00 | 74.00 | 92.00 | 110.00 | 170.00 |

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## Technical data

### PN 16

| DN | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 |
|---|---|---|---|---|---|---|---|
| D [mm] | 840 | 910 | 1025 | 1125 | 1255 | 1355 | 1485 |
| L1 [mm] | 275 | 275 | 295 | 295 | 315 | 290 | 310 |
| L2 [mm] | 300 | 300 | 320 | 320 | 340 | 315 | 335 |
| L3 [mm] | 325 | 325 | 345 | 345 | 365 | 340 | 360 |
| Lv [mm] | 525 | 500 | 530 | 535 | 565 | 550 | 590 |
| b [mm] | 48 | 36 | 38 | 40 | 42 | 42 | 48 |
| d2 [mm] | 36 | 36 | 39 | 39 | 42 | 42 | 48 |
| k [mm] | 770 | 840 | 950 | 1050 | 1170 | 1270 | 1390 |
| Thread M | 33 | 33 | 36 | 36 | 39 | 39 | 45 |
| Number of holes flange connection | 20 | 24 | 24 | 28 | 28 | 32 | 32 |
| Number of holes of clamping | 6 | 8 | 12 | 12 | 12 | 12 | 12 |
| Adjustment [mm] dimensions +/- | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Weight approx. [kg] | 220.00 | 240.00 | 315.00 | 385.00 | 450.00 | 520.00 | 625.00 |

### PN 10

| DN | 80 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D [mm] | 200 | 220 | 250 | 285 | 315 | 340 | 395 | 445 | 505 | 565 | 615 | 670 |
| L1 [mm] | 175 | 175 | 175 | 175 | 195 | 195 | 195 | 195 | 205 | 205 | 225 | 235 |
| L2 [mm] | 200 | 200 | 200 | 200 | 220 | 220 | 220 | 220 | 230 | 230 | 250 | 260 |
| L3 [mm] | 225 | 225 | 225 | 225 | 245 | 245 | 245 | 245 | 255 | 255 | 275 | 285 |
| Lv [mm] | 330 | 330 | 335 | 340 | 370 | 370 | 370 | 370 | 385 | 395 | 425 | 440 |
| b [mm] | 20 | 22 | 24 | 24 | 26 | 26 | 28 | 28 | 30 | 32 | 32 | 34 |
| d2 [mm] | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 | 22 | 26 | 26 | 26 |
| k [mm] | 160 | 180 | 210 | 240 | 270 | 295 | 350 | 400 | 460 | 515 | 565 | 620 |
| Thread M | 16 | 16 | 16 | 20 | 20 | 20 | 20 | 20 | 20 | 24 | 24 | 24 |
| Number of holes flange connection | 8 | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 16 | 16 | 20 | 20 |
| Number of holes of clamping | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| Adjustment [mm] dimensions +/- | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Weight approx. [kg] | 10.00 | 11.00 | 14.00 | 22.00 | 23.00 | 24.00 | 32.00 | 42.00 | 63.00 | 68.00 | 86.00 | 110.00 |

### PN 10

| DN | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 |
|---|---|---|---|---|---|---|---|
| D [mm] | 780 | 895 | 1015 | 1115 | 1230 | 1340 | 1455 |
| L1 [mm] | 235 | 235 | 265 | 265 | 265 | 280 | 300 |
| L2 [mm] | 260 | 260 | 290 | 290 | 290 | 305 | 325 |
| L3 [mm] | 285 | 285 | 315 | 315 | 315 | 330 | 350 |
| Lv [mm] | 450 | 440 | 475 | 480 | 490 | 510 | 540 |
| b [mm] | 36 | 30 | 32 | 34 | 34 | 34 | 38 |
| d2 [mm] | 30 | 30 | 33 | 33 | 36 | 36 | 39 |
| k [mm] | 725 | 840 | 950 | 1050 | 1160 | 1270 | 1380 |
| Thread M | 27 | 27 | 30 | 30 | 33 | 33 | 36 |
| Number of holes flange connection | 20 | 24 | 24 | 28 | 28 | 32 | 32 |
| Number of holes of clamping | 7 | 8 | 8 | 10 | 10 | 12 | 12 |
| Adjustment [mm] dimensions +/- | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Weight approx. [kg] | 150.00 | 180.00 | 240.00 | 320.00 | 380.00 | 450.00 | 490.00 |



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