VAG FLEXINOX® Dismantling Joint, rigid
with continuous threaded anchor bolts on one side, flanges made of stainless steel

PN 10/16 - DN 80...1200

KAT-A 5014-e-E

Product characteristics and benefits

- With flange ends on both sides 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

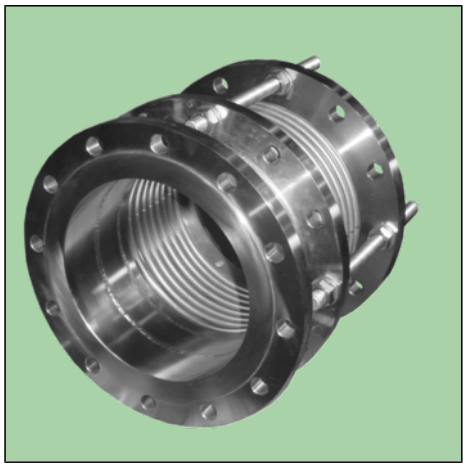
- Bellow: Stainless steel 1.4571
- Flanges: Stainless steel 1.4541
- Threaded anchor bolts: Stainless steel 1.4541

Versions

- Standard version as described
- For buried installation with protective jacket of stainless steel 1.4541
- 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



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”

Field of application

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
80...1200	16	16	200
80...1200	10	10	200

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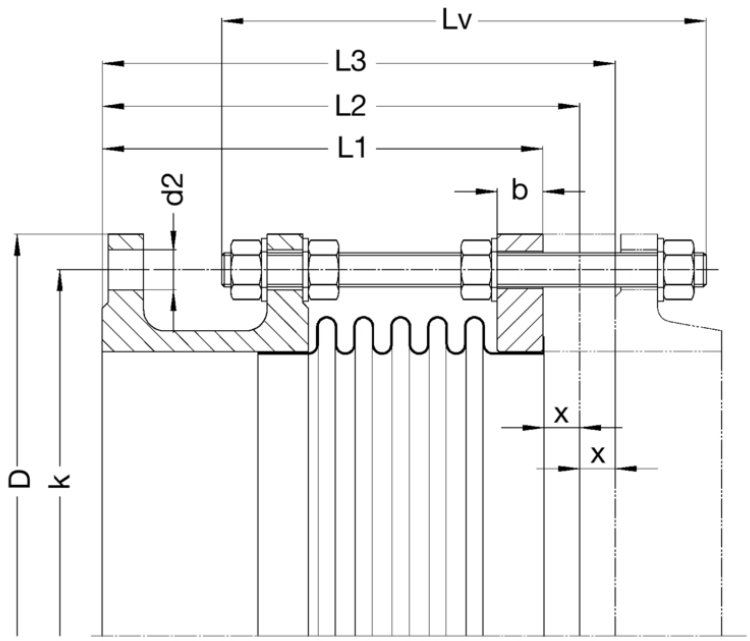
Drawing



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]	275	275	275	325	325	325	325	325	325	350	350	350
L2	[mm]	300	300	300	350	350	350	350	350	350	375	375	375
L3	[mm]	325	325	325	375	375	375	375	375	375	400	400	400
Lv	[mm]	325	325	323	381	375	375	371	359	359	388	410	396
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 dimensions +/-	[mm]	25	25	25	25	25	25	25	25	25	25	25	25
Weight approx.	[kg]	15.00	18.00	22.00	31.00	34.00	37.00	54.00	68.00	106.00	132.00	150.00	232.00

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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]	375	375	425	425	450	450	500
L2 [mm]	400	400	450	450	475	475	525
L3 [mm]	425	425	475	475	500	500	550
Lv [mm]	419	391	441	435	450	440	504
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]	300.00	320.00	418.00	510.00	615.00	725.00	870.00

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]	275	275	275	325	325	325	325	325	325	350	350	350
L2 [mm]	300	300	300	350	350	350	350	350	350	375	375	375
L3 [mm]	325	325	325	375	375	375	375	375	375	400	400	400
Lv [mm]	325	325	323	381	375	371	343	343	337	396	396	394
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	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]	14.00	16.00	22.00	30.00	32.00	36.00	48.00	60.00	87.00	100.00	125.00	150.00

PN 10

DN	600	700	800	900	1000	1100	1200
D [mm]	780	895	1015	1115	1230	1340	1455
L1 [mm]	375	375	425	425	450	450	500
L2 [mm]	400	400	450	450	475	475	525
L3 [mm]	425	425	475	475	500	500	550
Lv [mm]	419	413	447	441	472	450	496
b [mm]	36	30	32	34	34	38	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]	195.00	245.00	225.00	420.00	500.00	620.00	675.00

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