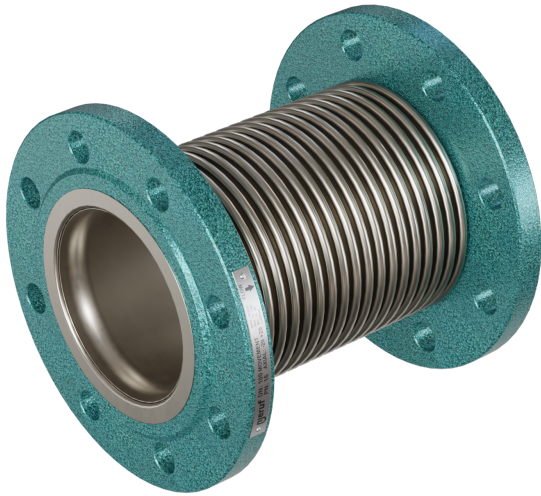


Compensators TYPE KP03



description:

A compensator is used whenever vibrations in a system have to be absorbed and movements have to be compensated.

features:

- suitable for common liquids
- compensation for tension in the system
- compensation for misalignment
- axial movement
- inner lining
- cannot be used with vacuum / low pressure

connection:
DN25 – DN250

construction:
straightway form

pressure:
0 – 16 bar – depending on design

design:

connection:

sleeve:

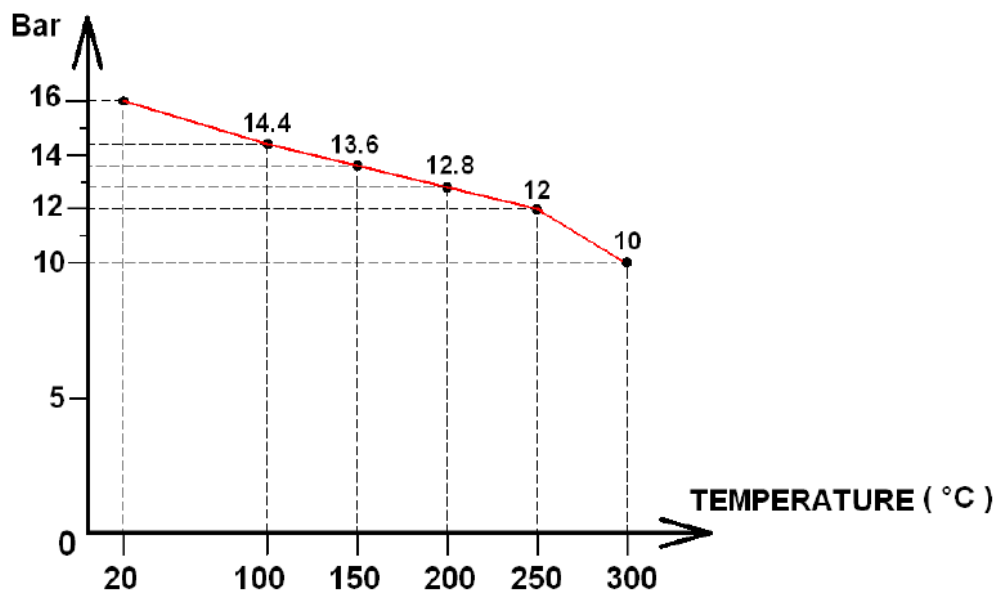
flange material:

pressure:

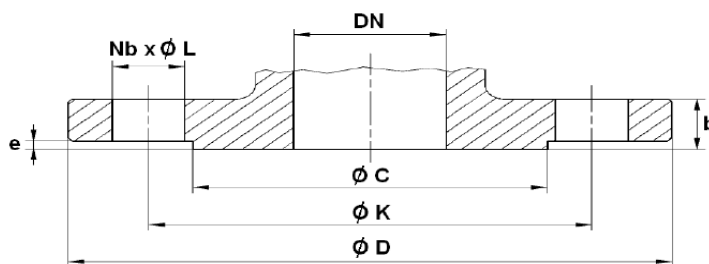
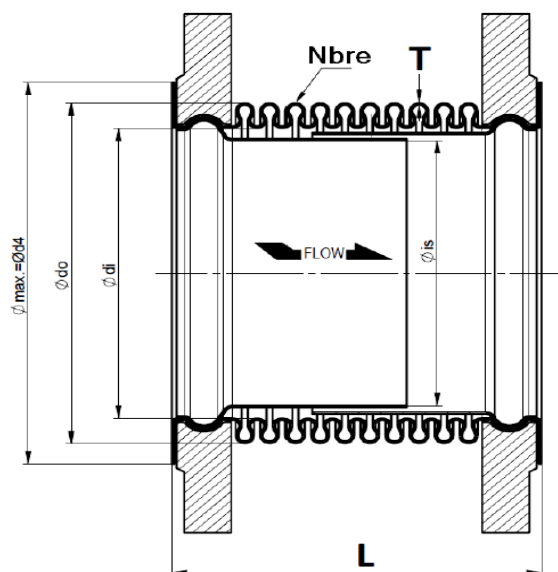
flow direction:

axial expansion joint with stainless steel sleeve according to EN 14917
flange DIN EN 1092-1 PN16
stainless steel bellow -20°C- + 300°C
steel
PN16
uni-lateral

pressure / temperature graph:



dimensions:

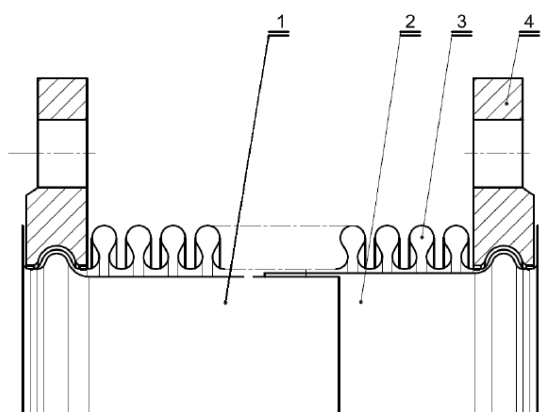


DN	25	32	40	50	65	80	100	125	150	200	250
L mm	105	105	120	150	140	155	220	190	270	275	285
ϕ_{do}	48,2	55,6	61	77	96	112	141	165	201	252	314
ϕ_{di}	38	42,4	48,3	60,3	76,1	88,9	114,3	139,7	168,3	219,1	273
$\phi_{d4} (max)$	68	78	88	102	122	138	158	188	212	268	320
ϕ_{is}	32	36	41,4	53,5	70	78	103,5	127,3	156	207	256
T	0,3	0,3	0,3	0,4	0,4	0,5	0,6	0,6	0,6	0,8	1
Shafts quantity	17	17	17	20	16	15	20	16	20	16	14
weight kg	2,05	3,09	3,38	4,62	5,65	7,02	8,77	11,24	15,11	21,07	31
ϕC	68	78	88	102	122	138	158	188	212	268	320
ϕD	115	140	150	165	185	200	220	250	285	340	405
ϕK	85	100	110	125	145	160	180	210	240	295	355
Nb x ϕL	4 x 14	4x18	4x18	4x18	4x18	8x18	8x18	8x18	8x23	12x23	12x27
b	16	16	16	18	18	20	20	22	22	24	26
e	2	2	3	3	3	3	3	3	3	3	4

movement:

DN	25	32	40	50	65	80	100	125	150	200	250
axiale movement	± 11	± 10	± 13	± 20	± 20	± 25	± 32	± 33	± 40	± 33	± 40
effective area (cm ²)	14,8	18,9	23,7	37,0	58,0	79,3	127,9	183,9	267,9	436,3	704,0

materials:



number	designation	material
1	inner lining	stainless steel 1.4541 / AISI 321
2	inner lining	stainless steel 1.4541 / AISI 321
3	bellows	stainless steel 1.4541 / AISI 321
4	flange	steel 1.0037 (St 37.2)

article number:

Type	Connection	Sleeve	Size
KP03	00 – flange DIN EN	02 – stainless steel	06 – DN32 07 – DN40 08 – DN50 09 – DN65 10 – DN80 11 – DN100 12 – DN125 13 – DN150 14 – DN200 15 – DN250 16 – DN300

Example Nr. KP03000210:

KP03	00	02	10
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compensators made of stainless steel and steel flanges

connection: flange acc. DIN EN 1092-1 PN16
 sleeve: stainless steel
 size: DN80
 flange: steel

illustration similar, technical and dimensional changes reserved.