RUBBER EXPANSION JOINT TEGUFLEX® PDW RED-WHITE EPDM ACS

Rubber expansion joint Teguflex EPDM with swiveling flanges to absorb vibrations and noises on drinkable water networks.
Body in EPDM and carbon steel electro galvanized or stainless steel flanges.
For linear and angular compansion.
130 mm long for all DN.

ATTESTATION DE CONFORMITE SANITAIRE ACS

TRELLEBORG

PED/2014/68/UE
BUREAU VERITAS
Certification

CE

Size :	DN25 to DN300
Connection :	Flanges PN10/16
Min Temperature :	-25°C
Max Temperature :	+90°C
Max Pressure :	16 Bars (10 bars at 90°C)
Specifications :	Absorb vibrations and noise Linear and angular compansion EPDM Tube
Materials :	Electro galvanized steel or stainless steel flanges

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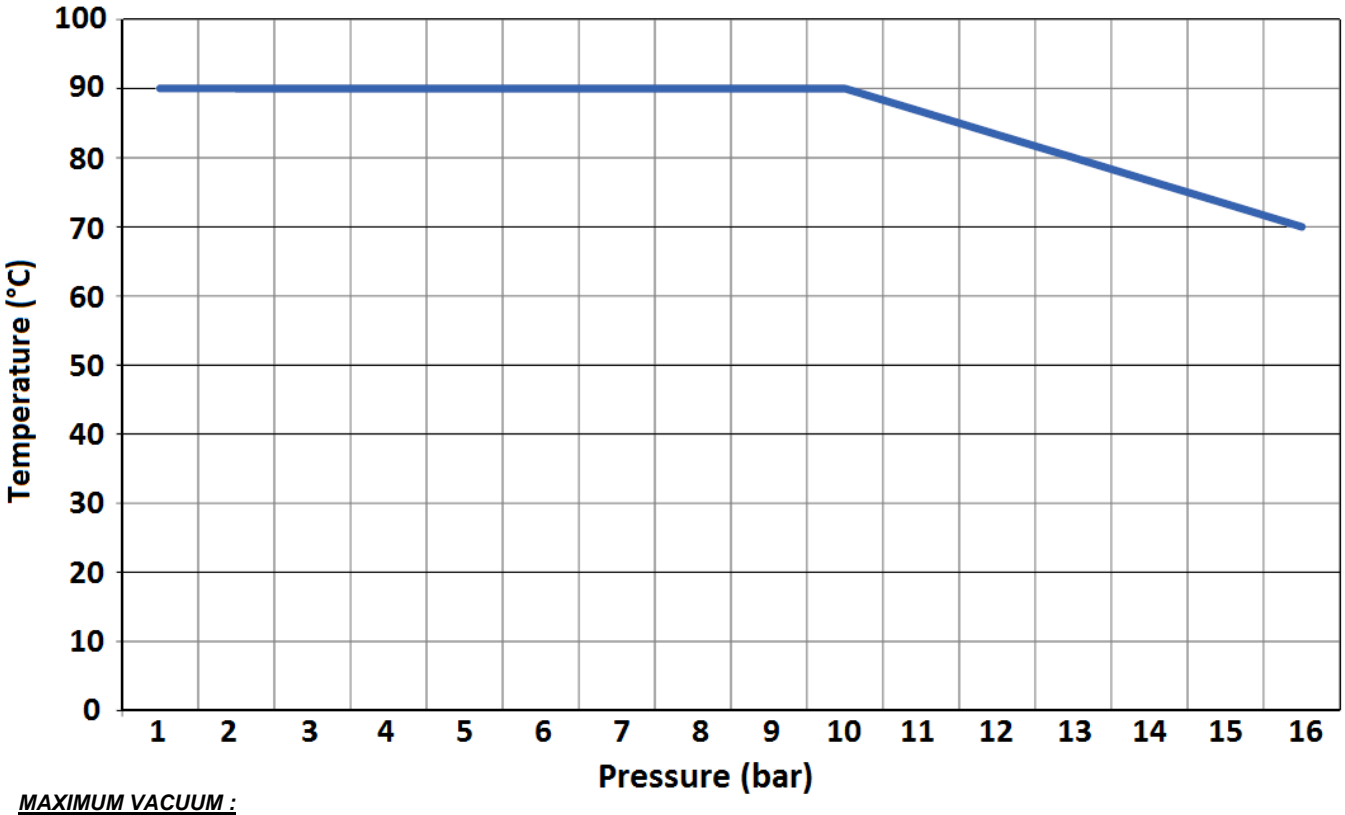
SPECIFICATIONS :

- Absorb vibration, noises and expansion
- Linear and angular compansion
- Inner tube EPDM ACS
- 130 mm length
- Electro galvanized steel or stainless steel AISI 316 swiveling flanges
- PN10/16 up to DN150, PN10 over
- On request, PN6, PN16 and Class 150 PN20 flanges
- AISI 316 Ti vacuum ring on request (Ref.9815050 to 9815300)
- Inner liner PTFE on request (movements allowed by the expansion joints are then reduced by 50 % and pressure max is 6 bars)
- Bursting pressure >50 bar at 20°C
- Test pressure 25 bar at 20°C

USE :

- Drinkable water
- Not advisable for hydrocarbons, greasy product and abrasive products
- Min and max temperature Ts : - 25°C to + 90°C
- Max pressure Ps : 16 bars at 70°C and 10 bars at 90°C (6 bars with PTFE lining)

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED):



MAXIMUM VACUUM :

DN	25/32	40	50	65	80	100	125	150	200	250	300
Vacuum (bar)	-0.8	-0.8	-0.7	-0.6	-0.5	-0.5	-0.4	-0.3	-0.3	-0.2	-0.2

Information provided as an indication and subject to possible modification

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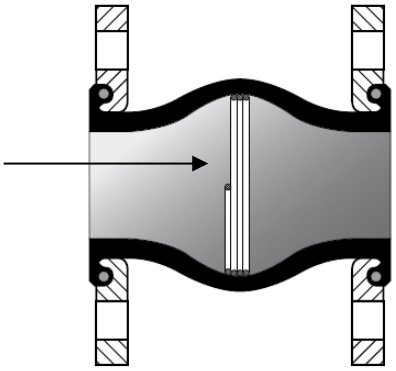
RANGE :

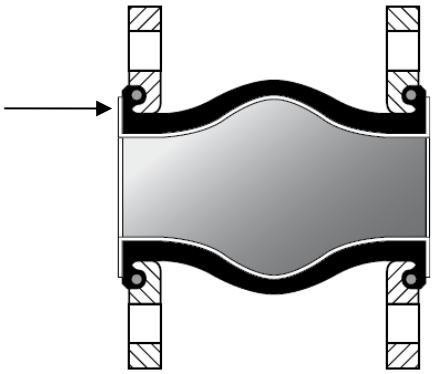
- EPDM ACS expansion joint with electro galvanized steel or AISI 316 flanges PN10/16 from DN 25 to DN 150, PN10 over **Ref. 1561**

	DN	25	32	40	50	65	80	100	125	150	200	250	300
Types	EPDM with steel flanges	1561025	1561032	1561040	1561050	1561065	1561080	1561100	1561125	1561150	1561200	1561250	1561300
	EPDM with stainless steel flanges			1561041	1561051	1561066	1561081	1561101	1561126	1561151	1561201		



- AISI 316 Ti vacuum ring (vacuum up to -1 bar) Ref.9815050 to 9815300

- **On Request :**



- Inner liner PTFE (movements allowed by the expansion joints are then reduced by 50 % and pressure max is 6 bars)

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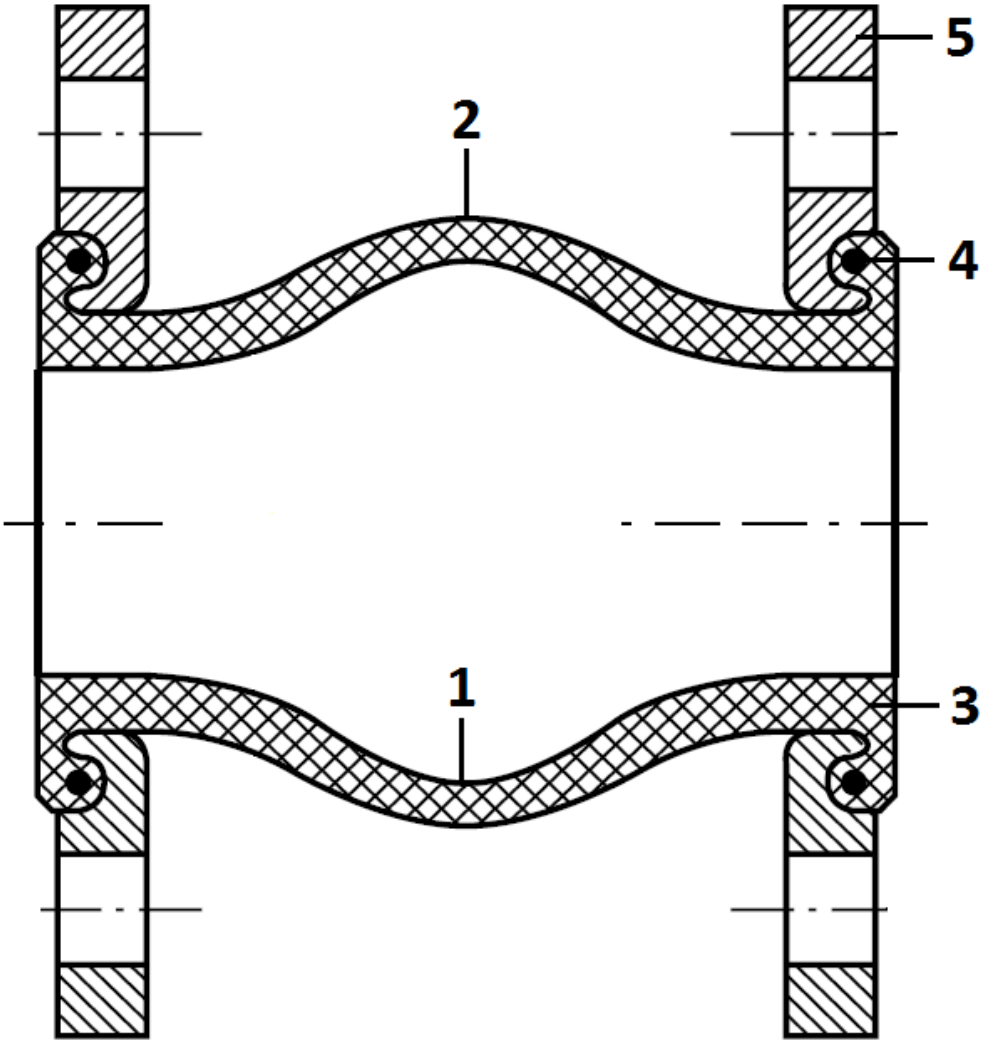
MATERIALS :



Item	Designation	Materials
1	Inner tube	EPDM ACS
2	Outer cover	EPDM
3	Reinforcement	Synthetic textile
4	Brace	Carbon steel
5	Swiveling flanges	Electro galvanized steel or AISI 316

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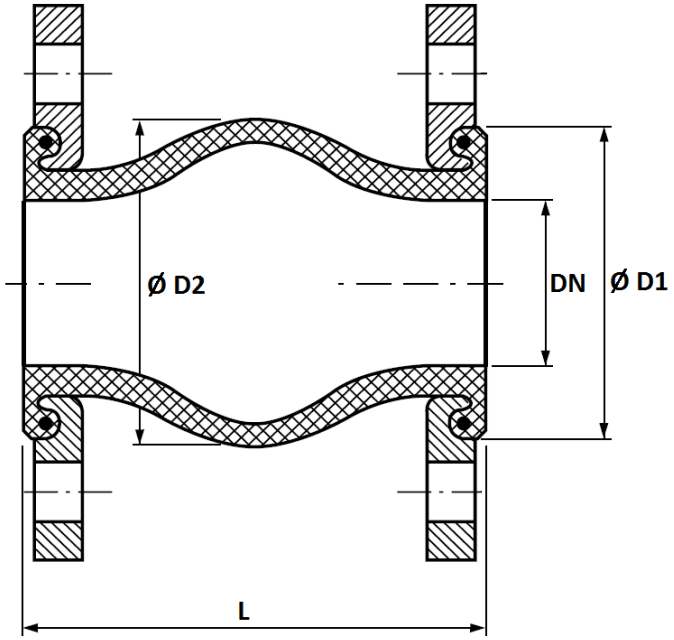
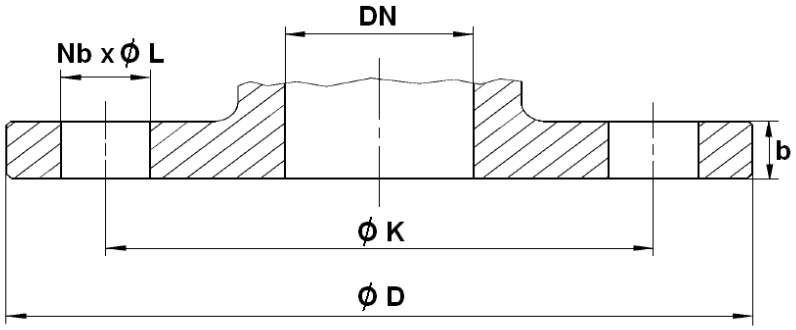
SIZE (in mm) :



DN	25	32	40	50	65	80	100	125	150	200	250	300
L	130											
Ø D1	72		80	90	105	120	140	165	190	240	290	340
Ø D2	77		85	95	110	125	145	170	195	245	295	345
Weight (Kg)	1.8	2.8	3.3	3.7	4.8	5.3	6.2	8.2	11.2	16.8	21.6	30.1
Ref.	1561025	1561032	1561040	1561050	1561065	1561080	1561100	1561125	1561150	1561200	1561250	1561300

STANDARD FLANGES PN10 (PN10/16 UP TO DN150) SIZE (in mm) :



DN	25	32	40	50	65	80	100	125	150	200	250	300
Ø D	115	140	150	165	185	200	220	250	285	340	395	445
Ø K	85	100	110	125	145	160	180	210	240	295	350	400
Nb x Ø L	4x14	4 x 18	4 x 18	4 x 18	4 x 18 or 8 x 18	8 x 18	8 x 18	8 x 18	8 x 22	8 x 22	12 x 22	12 x 22
b	13.8	13.8	14	14.1	14.4	14.8	15.2	16	17.8	20.2	22.6	26.5

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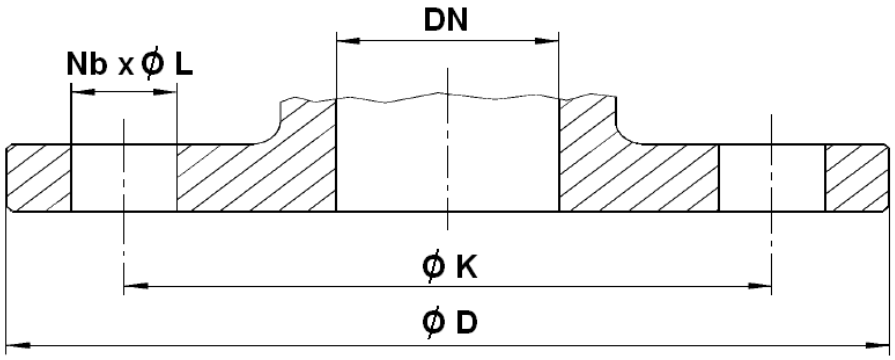
SIZE OF FLANGES ON REQUEST :



PN6 FLANGES (in mm) :

DN	25	32	40	50	65	80	100	125	150	200	250	300
Ø D	100	120	130	140	160	190	210	240	265	320	375	440
Ø K	75	90	100	110	130	150	170	200	225	280	335	395
Nb x Ø L	4 x 11	4 x 14	4 x 14	4 x 14	4 x 14	4 x 18	4 x 18	8 x 18	8 x 18	8 x 18	12 x 18	12 x 22

PN16 FLANGES (in mm) :

DN	200	250	300
Ø D	340	405	460
Ø K	295	355	410
Nb x Ø L	12 x 22	12 x 26	12 x 26

Class 150 PN20 FLANGES (in mm) :

DN (mm)	25	32	40	50	65	80	100	125	150	200	250	300
NPS (")	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"	5"	6"	8"	10"	12"
Ø D	108	117	127	152	178	190	229	254	279	343	406	483
Ø K	79.4	88.9	98.4	120.6	139.7	152.4	190.5	215.9	241.3	298.4	361.9	431.8
Nb x Ø L	4 x 15.9	4 x 15.9	4 x 15.9	4 x 19	4 x 19	4 x 19	8 x 19	8 x 22.2	8 x 22.2	8 x 22.2	12 x 25.4	

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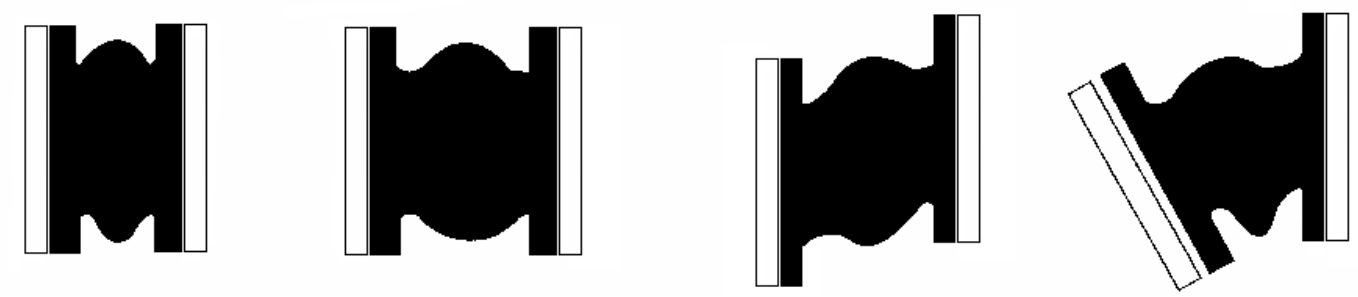
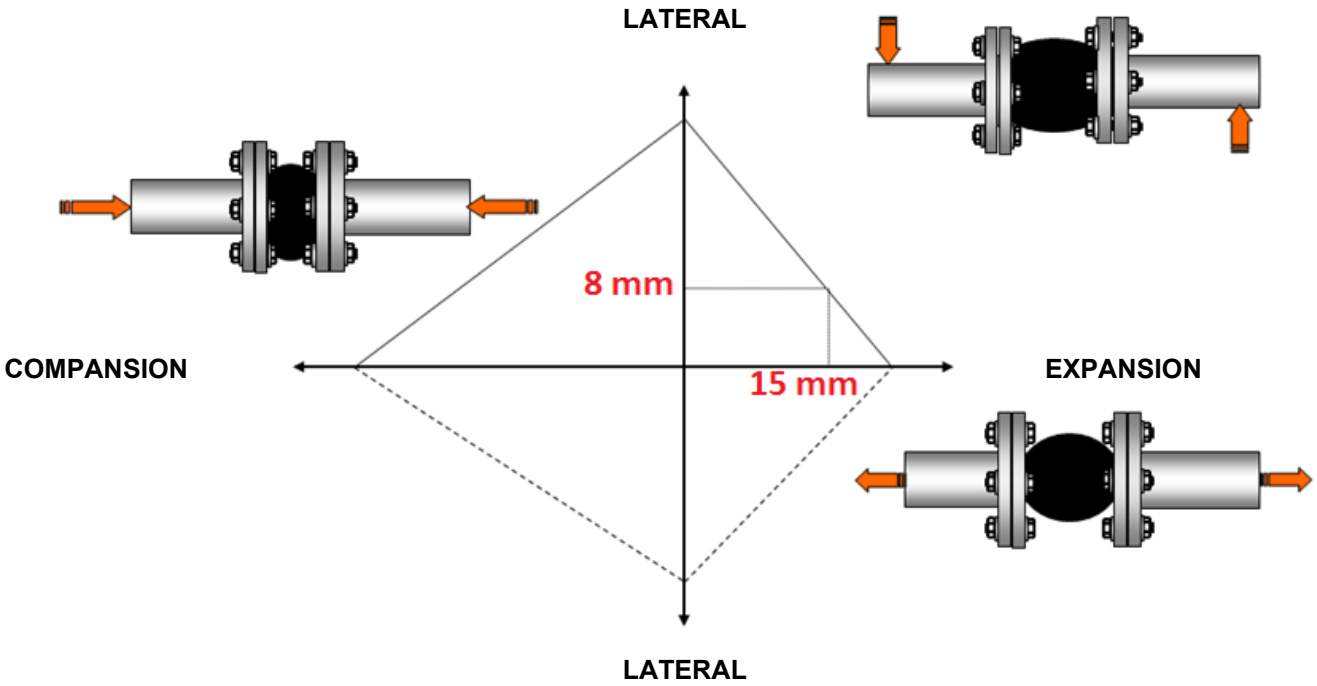
MOVEMENTS (in mm) :



DN	25-50	65	80	100	125	150	200	250	300
Compansion	30	30	30	30	30	30	30	30	30
Expansion	20	20	20	20	20	20	20	20	20
Lateral	20	20	20	20	20	20	20	20	20
Angular	35°	30°	30°	25°	25°	15°	15°	10°	10°

Maximum movements can't be applied simultaneously.
For example, with an expansion of 15mm, the maximum lateral movement will be 8 mm :



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MARKING :

STANDARDS :

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 : 2015
- DIRECTIVE 2014/68/EU : For liquids of Group 2
    - DN32-300 : Article 4, §3 (SEP), no CE marking
- Flanges according to EN 1092-1 PN10/16
- French water agreement **ACS N° 21 MAT NY 122**

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.