

1. Standards

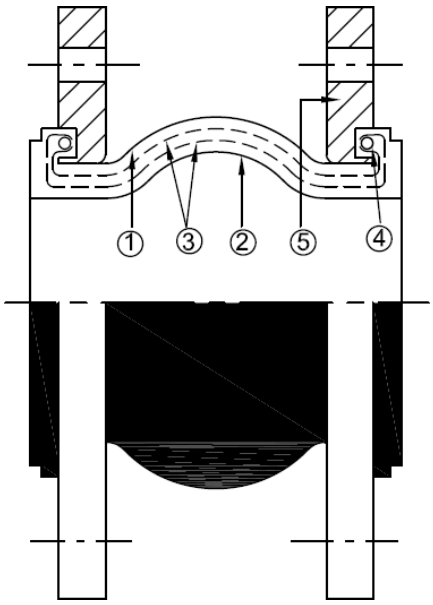
- ✓ Manufacturer certified ISO 9001 : 2015
- ✓ DIRECTIVE 2014/68/EU : Products excluded from directive (Article 4, § 3)
- ✓ Flanges according to EN 1092-1 PN10/16
- ✓ Approval certificate Marine LLOYD'S REGISTER

2. Features

Use :	Water distribution, heating and HVAC
Size :	DN32 to DN600
Raccordement :	Flanges PN10/16
Min Temperature :	-10°C
Max Temperature :	+100°C
Max Pressure :	16 Bars up to DN300
Specifications :	Absorb vibrations and noises Linear and angular compansion Single sphere EPDM tube Swiveling flanges
Materials :	Electro galvanized steel flanges

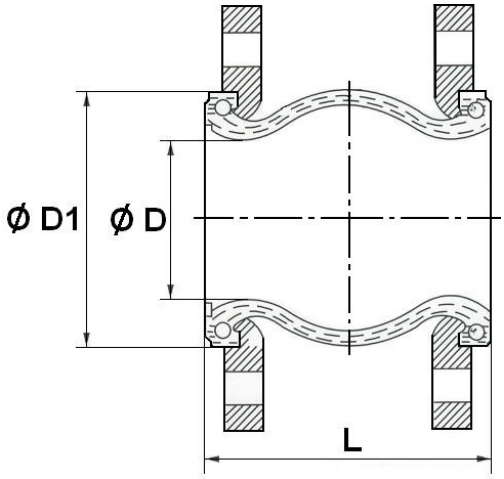
Information provided as an indication and subject to possible modification

3. Materials



Item	Designation	Materials
1	Cover	EPDM
2	Inner tube	EPDM
3	Reinforcement	Nylon cord
4	Brace	Hard steel
5	Flanges	Electro galvanized steel

4. Size (in mm)

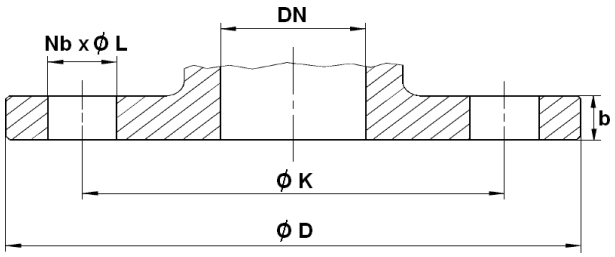


DN	32	40	50	65	80	100	125	150
L	95	95	105	115	130	135	170	180
Ø D	29	37	47	57	74	91	119	145
Ø D1	69	79	90	108	124	145	179	209
Weight (Kg)	2.85	3.15	4.15	4.95	6.05	6.95	9.6	11.85

DN	200	250	300	350	400	450	500	600
L	205	240	260	265	265	200	200	250
Ø D	199	241	294	331	372	431	486	591
Ø D1	261	320	370	420	473	532	587	685
Weight (Kg)	16.9	22.6	25.5	37.8	47.85	55.18	62.35	82.75

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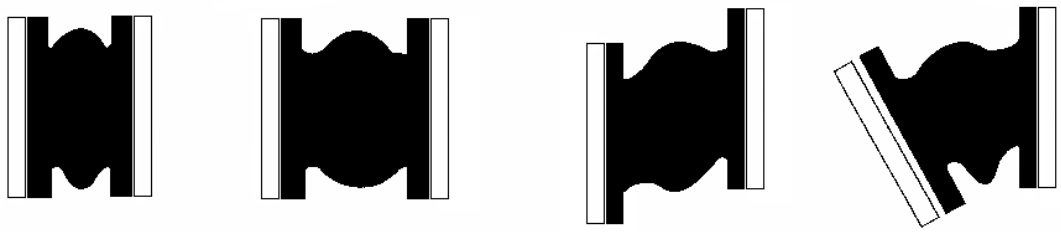
Flanges size PN10/16 up to DN150, PN10 over (in mm)



DN	32	40	50	65	80	100	125	150	200	250	300
Ø D	140	150	165	185	200	220	250	285	340	395	445
Ø K	100	110	125	145	160	180	210	240	295	350	400
Nb x Ø L	4 x 19	4 x 19	4 x 19	4 x 19	8 x 19	8 x 19	8 x 19	8 x 23	8 x 23	12 x 23	12 x 23
b	14	14	15	15	17	17	19	19	20	22	22

DN	350	400	450	500	600
Ø D	505	565	615	670	780
Ø K	460	515	565	620	725
Nb x Ø L	16 x 23	16 x 28	20 x 28	20 x 28	20 x 31
b	26	28	28	30	32

5. Movements (in mm)



Compansion **Expansion** **Lateral** **Angular**

DN	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Compansion	8	8	8	12	12	12	16	16	20	20	20	25	25	20	20	20
Expansion	4	4	4	6	6	10	10	10	14	14	14	16	16	12	12	12
Lateral	8	8	8	10	10	12	12	12	18	18	18	18	18	18	18	18
Angular	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°

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