NKI Leidingsystemen
Neede BV

Parallelweg 80
7161 AG Neede
+31 (0)545 293 515

info@nkineede.nl
www.nkineede.nl

Compensator 1132

APPLICATION

-Reduction of mechanical and thermal stresse on pipes and related systems : pumps, compressors, motors.
-Absorbsion of vibrations and noise
-Compensation of axial, lateral and angular movements
-Correction of misalignment of the piping.

Fluids : hot and cold water

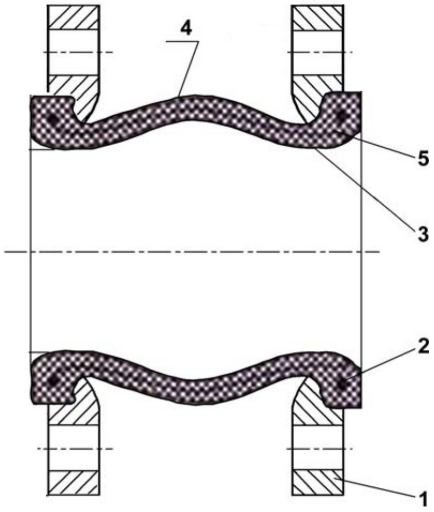
GENERAL CHARACTERISTICS

Range : from DN32 to DN600.
Universal expansion joint consisting of :
-EPDM elastomer bellows
-Swivel flanges made of carbon steel zinc plated.

-Identical face to face for all diameters.

CONSTRUCTION

Pos.	Quantity	Description	Material
1	2	Flange	Zinc plated steel
2	2	Reinforced wire	Steel
3	1	Internal bellow	EPDM
4	1	External bellow	EPDM
5	1	Reinforcement	Nylon tyre cord



STANDARDS

Connection	Flange connection according to standard EN 1092-1 : PN10/16 from DN32 to DN150 PN10 from DN200 to DN600.
Tests	Pressure test according to standards EN12266-1, DIN 3230, BS 5154 and ISO 5208:

PRODUCT APPROVALS

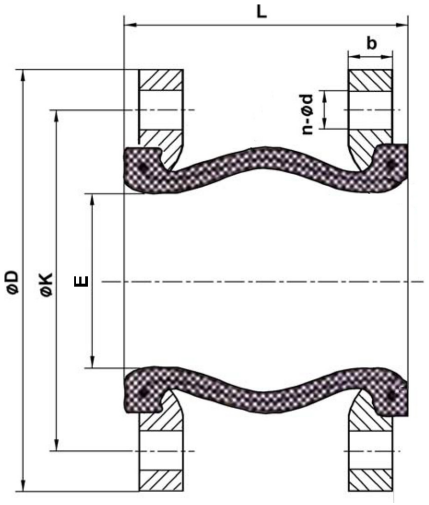
CE EAC

ISO 9001
ISO 14001
BUREAU VERITAS
Certification

DI7240N_EN // Réalisé le 22/12/2023 // Version B

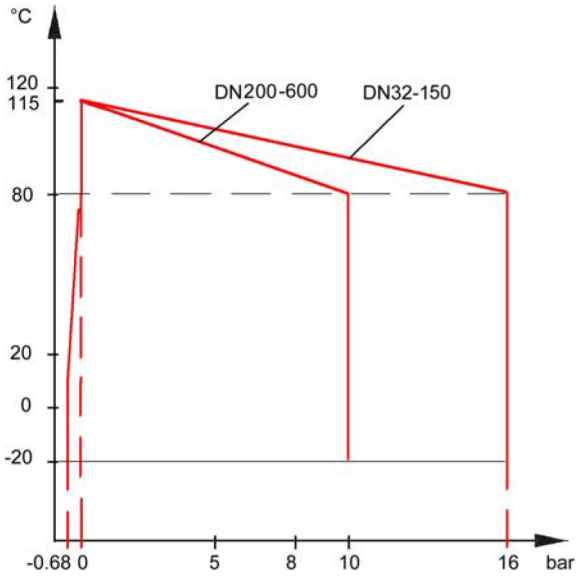
Compensator 1132

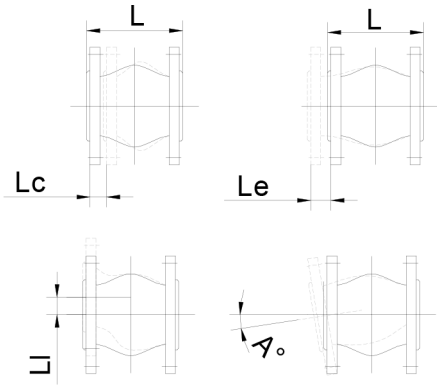
DIMENSIONS



DN		L	øK	E	n x ød	øD	b	Lc	Le	L i	A°	Weight (kg)
mm	inch											
32	1"1/4	95	100	32-38	4 x ø18	140	15	10	6	10	25	2.93
40	1"1/2	95	110	34-39	4 x ø18	150	15	10	6	10	25	3.60
50	2"	105	125	45-48	4 x ø18	165	15	10	6	10	25	4.23
65	2"1/2	115	145	60-63	4 x ø18	185	15	15	8	12	25	5.21
80	3"	135	160	72-75	8 x ø18	200	17	15	8	12	25	6.20
100	4"	135	180	95-98	8 x ø18	220	17	20	12	16	15	7.00
125	5"	165	210	122-124	8 x ø18	250	19	20	12	16	15	9.53
150	6"	180	240	146-148	8 x ø23	285	21	20	12	16	15	12.60
200	8"	205	295	194-196	8 x ø23	340	21	20	12	16	15	17.56
250	10"	240	350	240-245	12 x ø23	395	23	30	14	25	8	20.00
300	12"	260	400	286-290	12 x ø23	445	23	30	14	25	8	25.00
350	14"	265	460	335-340	16 x ø23	505	25	30	14	25	8	28.00
400	16"	265	515	393-395	16 x ø27	565	25	30	14	25	8	47.00
450	18"	265	565	445-448	20 x ø27	615	25	30	14	25	8	49.00
500	20"	265	620	480-485	20 x ø27	670	27	30	14	25	8	61.00
600	24"	265	725	594-596	20 x ø30	780	27	30	14	25	8	68.00

WORKING CONDITIONS





Lc : Axial compression
Le: Axial elongation
Li: Lateral movement
A°: Angle movement

ISO 9001
ISO 14001
BUREAU VERITAS
Certification