



Water/Waste water

Drinking water, Hot water for heating systems, Swimming pool water, Sea water

ROTEX

Properties

- Expansion joints suitable for permanent use with hot heating water, cooling water and hot air. Approved according to DIN up to 100° C by 10 bar and up to 110° C by 6 bar. Temperature range (depending on medium) - 40° C up to + 130° C, temporarily up to +150°C.
- Electrically dissipative.
- **Not suitable** for drinking water, cooling water with oil containing additives, oily compressor air, permanent effect of steam.



Code - E2G....

Liner - EPDM, hot water resistant, seamless, high abrasion resistance

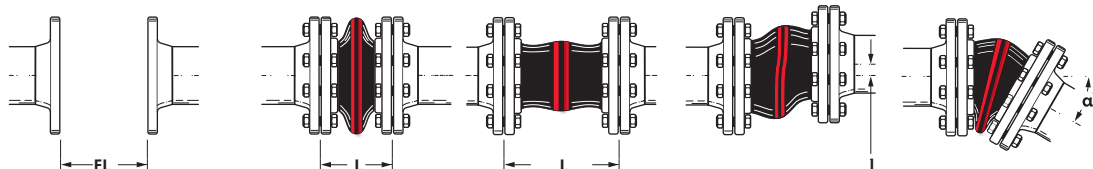
Reinforcement - Polymertextilecord, hotwaterand hydrolysis proof

Cover - :EPDM, ozone proof, heat resistant

Marking - 2 red bands, ERV DN... , PN... , production date

Flanges - Swiveling, DIN PN 10/16, carbon steel, zinc plated

ALLOWABLE STATIC RANGE OF MOVEMENT IN SERVICE WITH USAGE OF COLLAR FLANGES UP TO 50° C



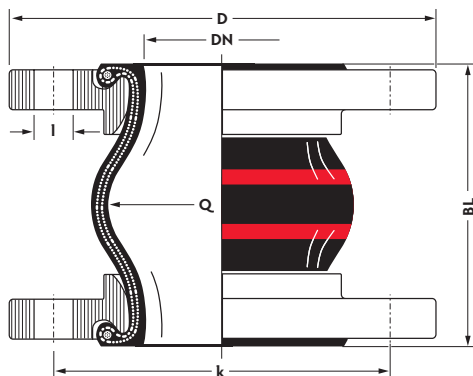
ROTEX		EL		L		I	α°
Length	Ø BELLOW	INSTALLATION LENGHT		AXIAL		LATERAL	ANGULAR
		min	max	min	max	± mm	±α°
130	25 – 80	120	135	100	150	± 30	± 30
	100 – 150	120	135	100	150	± 30	± 20
	200	115	140	105	160	± 25	± 10
	250 – 300	125	140	115	160	± 25	± 5
150	80 – 200	140	160	120	170	± 30	± 5
160	32 – 200	150	170	130	185	± 25	± 15
175	200 -250	165	185	145	205	± 30	± 10
200	250 - 300	190	210	170	225	± 25	± 10
	350 – 600	190	210	160	225	± 25	± 8
250	800	240	260	210	280	± 25	± 5
260	700	250	270	220	290	± 25	± 5
300	900 - 1000	290	310	260	335	± 30	± 5



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**PRESSURE/TEMPERATURE
RATING CORRECTION CHART**

working temperature

70°C 100°C 130°C

**allowed movements
depending on temperature**

100% 75% 50%

**working pressure
depending on tem-
perature**

PN 10	10 Bar	7,5 Bar	5 Bar
PN 16	16 Bar	12 Bar	8 Bar
PN 25	--	--	--



DN diameter	Q area	D k Ø l Ø			PN bellows	BL length
		mm	mm	mm		
1" 25	15	115	85	4 x 14	16	130
1 ¼" 32	15	140	100	4 x 18	16	130
						160
1 ½" 40	20	150	110	4 x 18	16	130
						160
2" 50	30	165	125	4 x 18	16	130
						160
2 ½" 65	50	185	145	4 x 18	16	130
						160
3" 80	85	200	160	8 x 18	16	130
						150
						160
4" 100	125	220	180	8 x 18	16	130
						150
						160
5" 125	185	250	210	8 x 18	16	130
						150
						160
6" 150	250	285	240	8 x 22	16	130
						150
						160
8" 200	400	340	295	8 x 22	16	130
						150
						160
						175
10" 250	600	395	350	12 x 22	16	130
						175
					10	200
12" 300	800	445	400	12 x 22	16	130
						10
					10	200
14" 350	1000	505	460	16 x 22	10	200
16" 400	1375	565	515	16 x 26	10	200
20" 500	2185	670	620	20 x 26	10	200
24" 600	3080	780	725	20 x 30	10	200
28" 700	4800	895	840	24 x 30	10	260
32" 800	5440	1015	950	24 x 33	10	250
36" 900	7100	1115	1050	28 x 33	10	300
40" 1000	8700	1230	1160	28 x 36	10	300

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