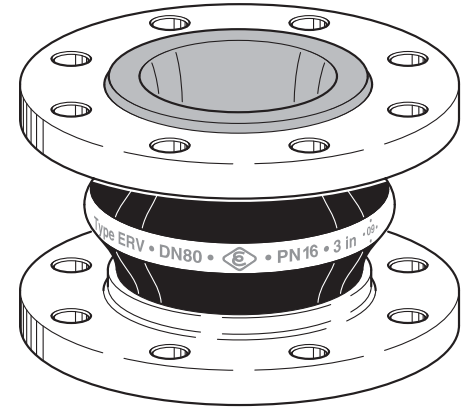




Section 1	Weight ≈ kg	Effect. Area Q [cm <sup>2</sup> ]	Size DN		Press bar	Flanges <sup>1)</sup> Measurements [mm]			Length mm BL	Part <sup>1)</sup> Number Type	
			in.	mm		D	k Ø	l x Ø			
	1,9	15	1"	<b>25</b>	16	115	85	4 x 14	130	ERV-W 25.16 <sup>2)</sup>	
	3,4	15	1 1/4"	<b>32</b>		140	100	4 x 18		ERV-W 32.16	
	4,0	20	1 1/2"	<b>40</b>		150	110			ERV-W 40.16	
	4,6	30	2"	<b>50</b>		165	125			ERV-W 50.16	
	5,3	50	2 1/2"	<b>65</b>		185	145			ERV-W 65.16	
	6,9	85	3"	<b>80</b>		200	160	8 x 18		ERV-W 80.16	
	8,0	125	4"	<b>100</b>		220	180			ERV-W 100.16	
	9,9	185	5"	<b>125</b>		250	210	8 x 22		ERV-W 125.16	
	12,3	250	6"	<b>150</b>		285	240			ERV-W 150.16	
	16,5	400	8"	<b>200</b>		340	295	12 x 22		ERV-W 200.10	
	21,6	600	10"	<b>250</b>		395	350			ERV-W 250.10	
	29,3	800	12"	<b>300</b>		445	400	200		ERV-W 300.10	
	43,0	1000	14"	<b>350</b>		505	460			16 x 22	ERV-W 350.10
	46,0	1375	16"	<b>400</b>		565	515			16 x 26	ERV-W 400.10
	57,0	2185	20"	<b>500</b>		670	620			20 x 26	ERV-W 500.10
	70,0	3080	24"	<b>600</b>		10	780	725		20 x 30	ERV-W 600.10

## Type ERV-W



**WHITE BAND** expansion joints for foodstuffs, also oil and fat containing food. Liner conforms to German foodstuff regulations. Not approved for drinking water. Temperature range (depending on medium) -20°C up to +90°C, temporarily up to 100°C. Electrically non-conductive.

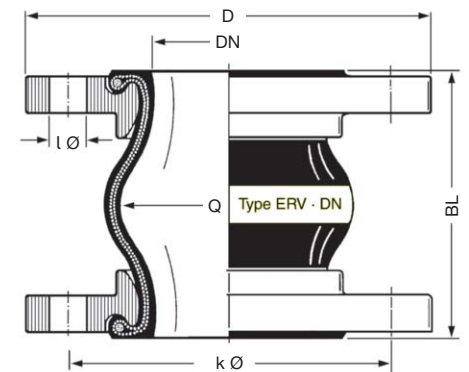
*Liner* : NBR bright coloured, seamless, abrasion resistant

*Reinforcement* : PA textile cord

*Cover* : Chloroprene (CR)

*Marking* : White band, ERV DN ..., PN ..., production date

*Flanges <sup>1)</sup>* : Swiveling, PN 10/16, carbon steel, zinc plated



<sup>1)</sup> Examples. - Other flange standards and materials see catalogue pages 1-31/3.

<sup>2)</sup> For rubber expansion joints DN 25 bellows DN 32 are used.

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## Range of Movement Type ERV-W

*Allowable static range of movement in service with usage of collar flanges up to 50° C*

ERV-W		installation length		axial		lateral	angular
Length <b>BL</b> [mm]	Bellow Size <b>DN</b> [mm]	<b>EL</b> min. [mm]	<b>EL</b> max. [mm]	<b>L</b> min. [mm]	<b>L</b> max. [mm]	<b>I</b> [mm]	
130	25 - 80	120	135	100	150	± 30	± 30
	100 - 150	120	135	100	150	± 30	± 20
	200	115	140	105	160	± 30	± 10
	250 - 300	125	140	120	160	± 15	± 5
200	350 - 600	190	210	160	235	± 30	± 8

### Permissible Vacuum [mbar]

DN	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600	700	800	900	1000
without VSD / VSR	max.	max.	max.	-700	-600	-400	-300	-300	-300	-200	-100								
with VSD			max.	max.	max.	max.	max.	max.	-600	-400	-200								
with VSR							max.	max.	max.	max.	max.	max.	max.	-700	-700				
with VSRV														max.	max.				

Data measured at room temperature with new expansion joints and non swelling media. For swelling media use a safety factor. A compressed installation improves the in the table listed vacuum resistance. The maximum permissible elongation (L max.) reduces the vacuum resistance by 50%. For this case we recommend to use vacuum support spirals or vacuum support rings (see catalogue page 1-36).

Dependencies of overpressure, range of movement and temperature please see table on catalogue page 1-6.

### Approvals

This certificate for type ERV-W can be downloaded from [www.flexej.co.uk](http://www.flexej.co.uk)



Overview of all certificates on catalogue page 1-2