

GRUPPE 4 Section	GE- WICHT	WIRKS. FLÄCHE	BALG- GRÖSSE	PN BALG	FLANSCHEN <sup>1)</sup> Abmessungen [mm]			BAU- LÄNGE	BESTELL- <sup>1)</sup> NUMMER
	Weight	Effect. Area	Size DN	Bellow	Flanges <sup>1)</sup> Measurements [mm]			Length [mm]	Part <sup>1)</sup> Number
	≈ kg	Q [cm <sup>2</sup> ]	in. mm	bar	D	k	n x l	BL	Type
	1,9	15	1" 25	16	115	85	4 x 14	130	ERV-W 25.16 <sup>2)</sup>
	3,4	15	1 ¼" 32		140	100	4 x 18		ERV-W 32.16
	4,0	20	1 ½" 40		150	110			ERV-W 40.16
	4,6	30	2" 50		165	125			ERV-W 50.16
	5,3	50	2 ½" 65		185	145			ERV-W 65.16
	6,9	85	3" 80		200	160	8 x 18		ERV-W 80.16
	8,0	125	4" 100		220	180			ERV-W 100.16
	9,9	185	5" 125		250	210	8 x 22		ERV-W 125.16
	12,3	250	6" 150		285	240			ERV-W 150.16
	16,5	400	8" 200		340	295	12 x 22		ERV-W 200.10
	21,6	600	10" 250	395	350	ERV-W 250.10			
	29,3	800	12" 300	445	400	16 x 22	ERV-W 300.10		
	43,0	1000	14" 350	505	460		ERV-W 350.10		
	46,0	1375	16" 400	565	515	16 x 26	200	ERV-W 400.10	
	50,0	1780	18" 450	615	565	20 x 26	250	ERV-W 450.10	
	53,0							ERV-W 450x250.10	
	57,0	2185	20" 500	10	670	620	20 x 26	200	ERV-W 500.10
	70,0	3080	24" 600		780	725	20 x 30	ERV-W 600.10	

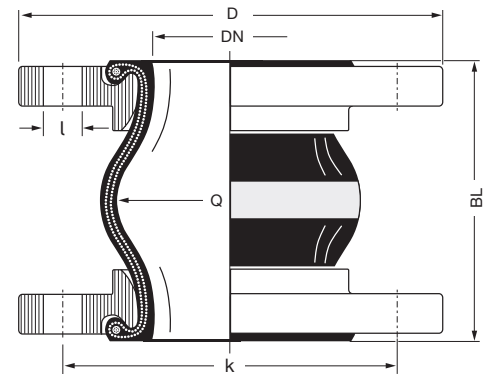
### Type

### ERV-W



**WHITE BAND** expansion joints for foodstuffs, also containing oil and fat. 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 light grey, 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 461 – 464.  
<sup>2)</sup> For rubber expansion joints DN 25 bellows DN 32 are used.

### ERV-W

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## Bewegungsbereich Type ERV-W · Range of Movement Type ERV-W

ERV-W		Allowable static range of movement in service with usage of collar flanges up to 50°C					
Length BL [mm]	Bellow Size DN [mm]	Installation Length EL		axial L		lateral l	angular α
		EL min. [mm]	EL max. [mm]	L min. [mm]	L max. [mm]	[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
250	450	240	260	205	285	± 35	± 10

## Zulässiger Unterdruck [mbar] · Permissible Vacuum [mbar]

DN	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
ohne / without VSD / VSR	max.	max.	max.	-700	-600	-400	-300	-300	-300	-200	-100									
mit / with VSD			max.	max.	max.	max.	max.	max.	-600	-400	-200									
mit / with VSR							max.	max.	max.	max.	max.	max.	max.	-700	-700	-700				
mit / with VSRV														max.	max.	max.				

Data measured at room temperature with new expansion joints in standard length 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 468).

Dependencies of overpressure, range of movement and temperature please see table on catalogue page 404.



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**WHANGAREI**  
43 PORT ROAD  
WHANGAREI  
P: 09 438 1598  
F: 09 438 1599

**AUCKLAND (HO)**  
144 NELSON ST  
ONEHUNGA  
P: 09 636 5902  
F: 09 636 6554

**HAMILTON**  
18 KING ST  
FRANKTON  
P: 07 847 7889  
F: 07 438 1599

**MT MAUNGANUI**  
69 HULL ROAD  
MT MAUNGANUI  
P: 07 575 5697  
F: 07 575 5297

**HASTINGS**  
102 McLEAN ST  
HASTINGS  
P: 06 878 5824  
F: 06 878 5860

**WELLINGTON**  
148 HUTT ROAD  
PETONE  
P: 04 560 3701  
F: 04 560 3705

**NELSON**  
70 PASCOE ST  
ANNESBROOK  
P: 03 547 0531  
F: 03 547 0532

**CHRISTCHURCH**  
72 HAYTON RD  
WIGRAM  
P: 03 348 8755  
F: 08 348 8756

**DUNEDIN**  
301 VOGEL ST  
DUNEDIN  
P: 03 455 7657  
F: 03 455 7687