

# 2026 MB | Xpansion Datasheet

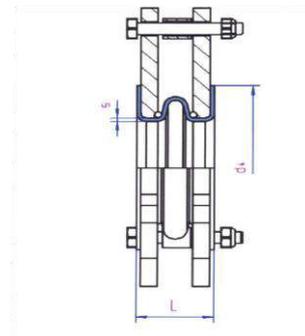
## PTFE Compensators Convolutions 1 – 6

High-quality PTFE expansion joints  
ANSI & DIN connections  
Carbon steel / Stainless steel flanges  
PTFE virgin white & antistatic black lining

MB Plastics  
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## MB | Xpansion PTFE Compensator 1 convolutions - Datasheet

To ensure a perfect installation, our compensators are equipped with 3 limiting screws. They prevent the bellows from being overstretched during operation. Flanges with 2 or without limiter-bolts are available.



### Technical Specifications

<b>Flange material:</b>	Flanges available in carbon steel, stainless steel and/or special steel
<b>Connection options:</b>	ANSI and DIN connection
<b>Lining options:</b>	PTFE virgin white and PTFE antistatic black
<b>Limited Screws:</b>	Flanges with 2 or without limiter-bolts are available
<b>Holes:</b>	Up to DN65 flange with thread. From DN80 with drill holes (customized possible)

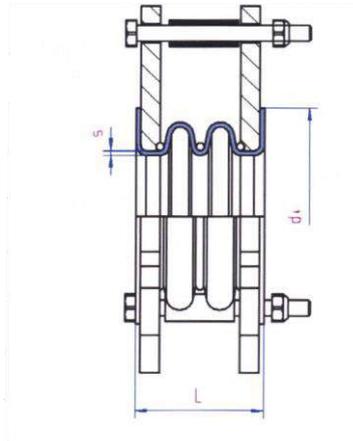
DN	Install length L (mm)	Extension Axial ± (mm)	Shifting Lateral ± (mm)	Deviation Angular +/-	Reicedface Dia. (mm)	Wallthicknes s (mm)	Wave's	
25	40	3	2	2	68	3,0	1	
32	40				78	3,0	1	
40	40				88	3,0	1	
50	48	5	3	3	102	3,5	1	
65	54	6			122	3,75	1	
80	60	7			138	4,0	1	
100	64	8	4	4	158	4,5	1	
125	70				9	188	4,5	1
150	75				10	212	5,0	1
200	85	10	5	3	268	5,0	1	
250	93				320	5,5	1	
300	100				370	5,5	1	
350	103	-16/+10	5	2	430	5,5	1	
400					482	6,0	1	
450					532	6,0	1	
500					585	6,0	1	
550					638	6,0	1	
600					685	6,0	1	

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## MB | Xpansion PTFE Compensator 2 convolutions - Datasheet

To ensure a perfect installation, our compensators are equipped with 3 limiting screws. They prevent the bellows from being overstretched during operation. Flanges with 2 or without limiter-bolts are available.



### Technical Specifications

<b>Flange material:</b>	Flanges available in carbon steel, stainless steel and/or special steel
<b>Connection options:</b>	ANSI and DIN connection
<b>Lining options:</b>	PTFE virgin white and PTFE antistatic black
<b>Limited Screws:</b>	Flanges with 2 or without limiter-bolts are available
<b>Holes:</b>	Up to DN65 flange with thread. From DN80 with drill holes (customized possible)

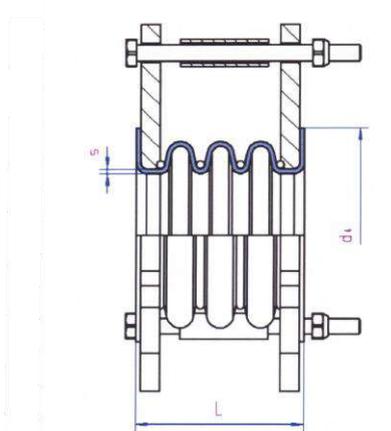
DN	Install length L (mm)	Extension Axial ± (mm)	Shifting Lateral ± (mm)	Deviation Angular +/-	Reicedface Dia. (mm)	Wallthicknes s (mm)	Wave's
25	54	6	3	4	68	3,0	2
32	56				78	3,0	2
40	56				88	3,0	2
50	68	10	5	5	102	3,5	2
65	78	12			122	3,75	2
80	88	15			8	6	138
100	88		158	4,5			2
125	95		188	4,5			2
150	105	20	10	5	212	5,0	2
200	110				268	5,0	2
250	128				320	5,5	2
300	140	145	12	4	370	5,5	2
350	145				430	5,5	2
400					482	6,0	2
450		532	6,0	2			
500	145	20	12	3	585	6,0	2
600					685	6,0	2

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## MB | Xpansion PTFE Compensator 3 convolutions - Datasheet

To ensure a perfect installation, our compensators are equipped with 3 limiting screws. They prevent the bellows from being overstretched during operation. Flanges with 2 or without limiter-bolts are available.



### Technical Specifications

<b>Flange material:</b>	Flanges available in carbon steel, stainless steel and/or special steel
<b>Connection options:</b>	ANSI and DIN connection
<b>Lining options:</b>	PTFE virgin white and PTFE antistatic black
<b>Limited Screws:</b>	Flanges with 2 or without limiter-bolts are available
<b>Holes:</b>	Up to DN65 flange with thread. From DN80 with drill holes (customized possible)

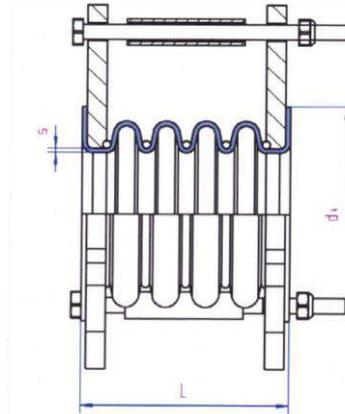
DN	Install length L (mm)	Extension Axial ± (mm)	Shifting Lateral ± (mm)	Deviation Angular +/-	Reicedface Dia. (mm)	Wallthicknes s (mm)	Wave's
25	70	10	5	6	68	3,0	3
32	75				78	3,0	3
40	80				88	3,0	3
50	85	15	8	8	102	3,5	3
65	100				122	3,75	3
80	110	20	12	10	138	4,0	3
100	110				158	4,5	3
125	120				188	4,5	3
150	130	25	14	8	212	5,0	3
200	140				268	5,0	3
250	165				320	5,5	3
300	175	30	14	6	370	5,5	3
350	190				430	5,5	3
400					482	6,0	3
450		532	6,0	3			
500	190	-44/+35	18	5	585	6,0	3
600					20	2	685

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## MB | Xpansion PTFE Compensator 4 convolutions - Datasheet

To ensure a perfect installation, our compensators are equipped with 3 limiting screws. They prevent the bellows from being overstretched during operation. Flanges with 2 or without limiter-bolts are available.



### Technical Specifications

<b>Flange material:</b>	Flanges available in carbon steel, stainless steel and/or special steel
<b>Connection options:</b>	ANSI and DIN connection
<b>Lining options:</b>	PTFE virgin white and PTFE antistatic black
<b>Limited Screws:</b>	Flanges with 2 or without limiter-bolts are available
<b>Holes:</b>	Up to DN65 flange with thread. From DN80 with drill holes (customized possible)

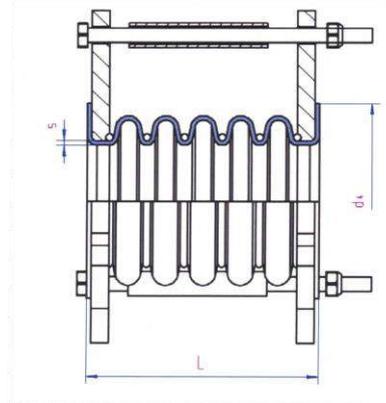
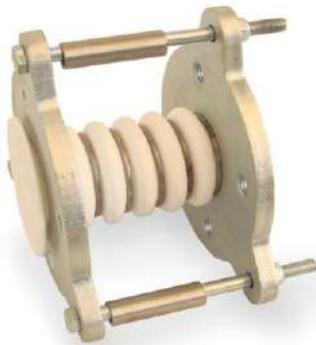
DN	Install length L (mm)	Extension Axial ± (mm)	Shifting Lateral ± (mm)	Deviation Angular +/-	Reicedface Dia. (mm)	Wallthicknes s (mm)	Wave's	
25	85	13	6	8	68	3,0	4	
32	90				78	3,0	4	
40	98				88	3,0	4	
50	105	20	10	9	102	3,5	4	
65	122	25		10	122	3,75	4	
80	135	26		12	11	138	4,0	4
100	137	33	15	13	158	4,5	4	
125	145				188	4,5	4	
150	155				212	5,0	4	
200	175	35	18	10	268	5,0	4	
250	195	40			9	320	5,5	4
300	215				370	5,5	4	
350	235	-60/+42	20	8	430	5,5	4	
400					482	6,0	4	
450					532	6,0	4	
500					585	6,0	4	
600					685	6,0	4	

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## MB | Xpansion PTFE Compensator 5 convolutions - Datasheet

To ensure a perfect installation, our compensators are equipped with 3 limiting screws. They prevent the bellows from being overstretched during operation. Flanges with 2 or without limiter-bolts are available.



### Technical Specifications

<b>Flange material:</b>	Flanges available in carbon steel, stainless steel and/or special steel
<b>Connection options:</b>	ANSI and DIN connection
<b>Lining options:</b>	PTFE virgin white and PTFE antistatic black
<b>Limited Screws:</b>	Flanges with 2 or without limiter-bolts are available
<b>Holes:</b>	Up to DN65 flange with thread. From DN80 with drill holes (customized possible)

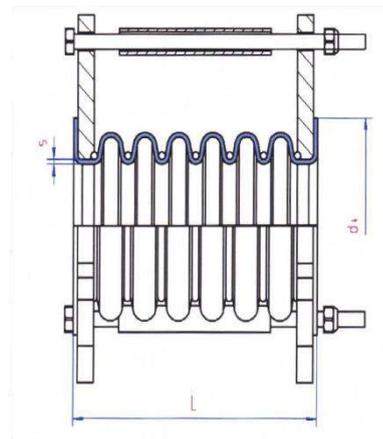
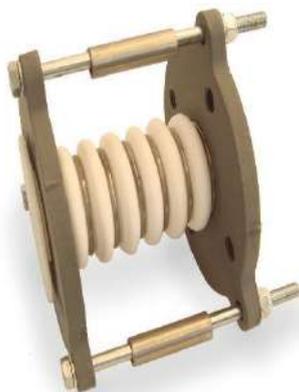
DN	Install length L (mm)	Extension Axial ± (mm)	Shifting Lateral ± (mm)	Deviation Angular +/-	Reicedface Dia. (mm)	Wallthicknes s (mm)	Wave's
25	100	15	8	10	68	3,0	5
32	105				78	3,0	5
40	115				88	3,0	5
50	125	25	12	12	102	3,5	5
65	145	30			122	3,75	5
80	160	35	15	16	138	4,0	5
100	165	40	18		158	4,5	5
125	170				188	4,5	5
150	180			212	5,0	5	
200	210	50	22	13	268	5,0	5
250	240				320	5,5	5
300	250				370	5,5	5
350	265	-62/+56	50	10	430	5,5	5
400					482	6,0	5
450					532	6,0	5
500	280	-75/+50	50	7	585	6,0	5
600					685	6,0	5

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## MB | Xpansion PTFE Compensator 6 convolutions - Datasheet

To ensure a perfect installation, our compensators are equipped with 3 limiting screws. They prevent the bellows from being overstretched during operation. Flanges with 2 or without limiter-bolts are available.



### Technical Specifications

<b>Flange material:</b>	Flanges available in carbon steel, stainless steel and/or special steel
<b>Connection options:</b>	ANSI and DIN connection
<b>Lining options:</b>	PTFE virgin white and PTFE antistatic black
<b>Limited Screws:</b>	Flanges with 2 or without limiter-bolts are available
<b>Holes:</b>	Up to DN65 flange with thread. From DN80 with drill holes (customized possible)

DN	Install length L (mm)	Extension Axial ± (mm)	Shifting Lateral ± (mm)	Deviation Angular +/-	Reicedface Dia. (mm)	Wallthicknes s (mm)	Wave's
25	115	20	10	13	68	3,0	6
32	125				78	3,0	6
40	132	30	14	16	88	3,0	6
50	145				102	3,5	6
65	168	40	18	20	122	3,75	6
80	185				138	4,0	6
100	192	50	22	18	158	4,5	6
125	200				188	4,5	6
150	210				212	5,0	6

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