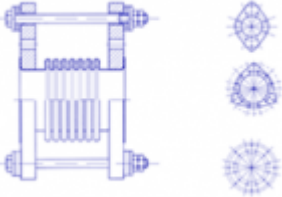


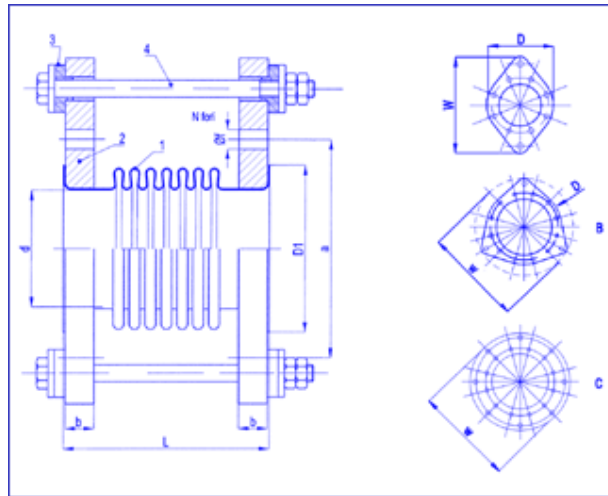
MB master bellows®

Vibration absorbers with floating flanges and tie-rods **N 80**

AVT BB PN 6 - AVT BB PN 10 - AVT BB PN 16

	<p>Description: Vibration absorbers with floating flanges and tie-rods on flared necks</p>
<p>Characteristics:</p>	<p>Excellent reliability, no ageing, absence of permeability, resistant to corrosion, high working temperature Absorption of vibrations</p>
<p>Size range:</p>	<p>From DN50 to DN300 Special and large diameters available upon request</p>
<p>Testing:</p>	<ul style="list-style-type: none"> - Pneumatic leak test (standard) - Hydraulic test, specific dimensional controls, non-destructive tests, material certificates of main pressure bearing parts (on request)
<p>Fittings:</p>	<p>Flanges conforming to EN1092-1 or ANSI B16.5 Special flanges upon request</p>
<p>Materials:</p>	<p>Bellows in stainless steel 1.4541 EN10028-7 (AISI 321) Flanges in zinc-plated carbon steel Tie rods in zinc-plated carbon steel On request, other grades of stainless steel</p>
<p>Construction:</p>	<ul style="list-style-type: none"> - Single or multi-ply metal corrugated bellows - Ends: flanges <p>The corrugations are formed by a PLC controlled automatic process. The special forming process, free from friction and lamination, allows constancy and accuracy of the corrugation profile with minimal material yielding</p>
<p>Use:</p>	<p>Absorption of vibrations</p>
<p>Applications:</p>	<p>Superheated water, diathermic oil lines; refrigeration plants</p>
<p>Working pressure:</p>	<p>From 6 to 16 bar</p>

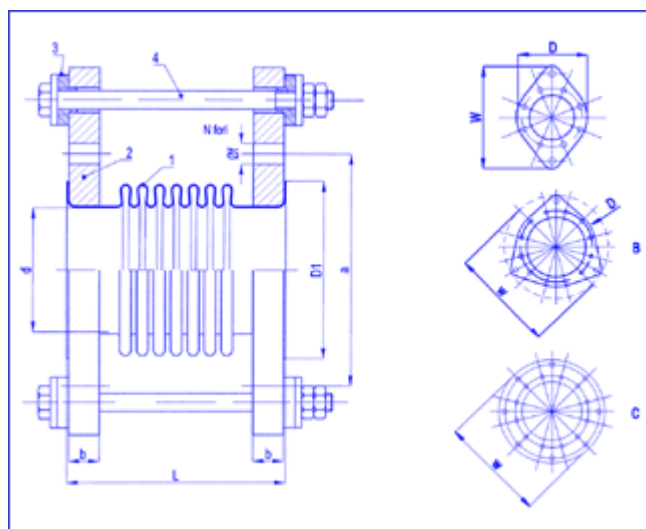
Temperature:	Stainless steel: -200° ÷ 550°C For expansion joints with flanges in carbon steel: -20° ÷ 350°C For a temperature range 50° ÷ 550°C performances (movements, working pressure, n° of cycles) must be reduced by applying the relevant coefficients (See document " N205 Derating factors" available in the attachments in the Technical Data section of this product) For a temperature range higher than 550°C, please contact our Technical Department
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AVT BB PN 6																
DN	L	b	D	Holes	f	a	d	D1	Tie-rods	W	Type	Spring rate ± 20%		Effective Area A	Weight	Product Code Part Number
												Axial Ka	Lateral Kl			
mm	mm	mm	mm	n°	mm	mm	mm	cm ²	mm	mm		N/mm	N/mm	cm ²	kg	n°
50	130	16	140	4	14	110	58	58	2	230	A	62	42	35	4.6	MB.EJ.AVT0.24.050.06.ZBBC3 T20427
65	130	16	160	4	14	130	74	74	2	250	A	58	61	55	5.4	MB.EJ.AVT0.24.065.06.ZBBC3 T20428
80	130	18	190	4	18	150	87	87	2	280	A	51	83	76	7.0	MB.EJ.AVT0.24.080.06.ZBBC3 T20429
100	130	18	210	4	18	170	111	111	2	300	A	62	156	119	7.6	MB.EJ.AVT0.24.100.06.ZBBC3 T20430
125	130	20	240	8	18	200	130	130	2	330	A	43	170	167	11.0	MB.EJ.AVT0.24.125.06.ZBBC3 T20431
150	130	18	265	8	18	225	158	158	2	395	A	49	309	238	14.1	MB.EJ.AVT0.24.150.06.ZBBC3 T20432
175	130	18	295	8	M16	255	191	191	2	425	A	57	500	336	16.2	MB.EJ.AVT0.24.175.06.ZBBC3 T20433
200	130	22	320	8	18	280	213	213	2	450	A	82	953	410	20.8	MB.EJ.AVT0.24.200.06.ZBBC3 T20434
250	130	23	375	12	18	335	263	263	2	505	A	97	1988	620	26.0	MB.EJ.AVT0.24.250.06.ZBBC3 T20435
300	130	23	440	12	22	395	313	313	3	570	B	112	3182	860	36.0	MB.EJ.AVT0.24.300.06.ZBBC3 T20436

Material

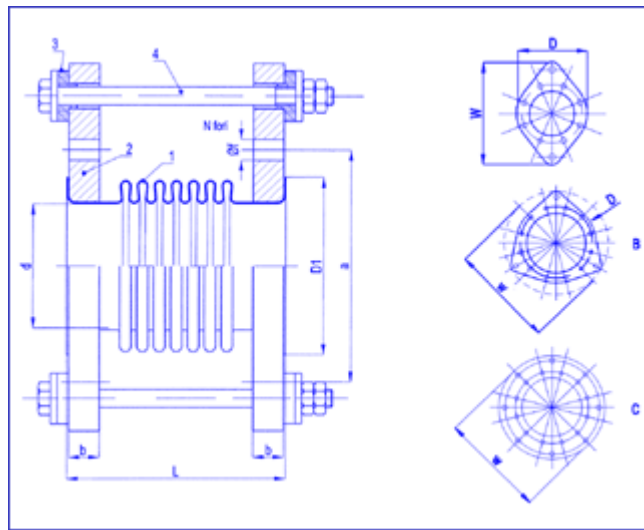
24 = X2CrNiMo 17-12-2 N° 1.4404 EN10028-7



AVT BB PN 10																
DN	L	b	D	Holes	f	a	d	D1	Tie-rods	W	Type	Spring rate ± 20%		Effective Area A	Weight	Product Code Part Number
												Axial Ka	Lateral Kl			
mm	mm	mm	mm	n°	mm	mm	mm	cm ²	mm	mm		N/mm	N/mm	cm ²	kg	n°
50	130	19	165	4	18	125	58	78	2	255	A	114	91	35	7.5	MB.EJ.AVT0.24.050.10.ZBBC3
65	130	20	185	4	18	145	74	97	2	275	A	99	138	55	8.8	MB.EJ.AVT0.24.065.10.ZBBC3
80	130	18	200	8	18	160	87	114	2	290	A	98	189	76	9.5	MB.EJ.AVT0.24.080.10.ZBBC3
100	130	22	220	8	18	180	11	141	2	350	A	98	330	121	14.7	MB.EJ.AVT0.24.100.10.ZBBC3
125	130	23	250	8	18	210	130	166	2	380	A	106	600	167	18.2	MB.EJ.AVT0.24.125.10.ZBBC3
150	130	23	285	8	22	240	158	194	3	415	B	154	1260	238	24.4	MB.EJ.AVT0.24.150.10.ZBBC3
175	130	26	315	8	22	270	191	228	3	445	B	174	2307	336	30.7	MB.EJ.AVT0.24.175.10.ZBBC3
200	130	24	340	8	22	295	213	255	3	470	B	135	2042	419	32.5	MB.EJ.AVT0.24.200.10.ZBBC3 T20437
250	130	26	395	12	22	350	263	309	3	525	B	157	4140	620	40.0	MB.EJ.AVT0.24.250.10.ZBBC3 T20438
300	130	26	.	12	22	400	313	362	4	575	C	226	8800	860	82.3	MB.EJ.AVT0.24.300.10.ZBBC3 T20439

Material:

24 = X2CrNiMo 17-12-2 N° 1.4404 EN10028-7



AVT BB PN 16

DN	L	b	D	Holes	f	a	d	D1	Tie-rods	W	Type	Spring rate ± 20%		Effective Area A	Weight	Product Code Part Number
												Axial Ka	Lateral Kl			
mm	mm	mm	mm	n°	mm	mm	mm	cm ²	mm	mm		N/mm	N/mm	cm ²	kg	n°
50	130	19	165	4	18	125	58	78	2	255	A	114	91	35	7.5	MB.EJ.AVT0.24.050.16.ZBBC3 T20440
65	130	20	185	4	18	145	74	97	2	275	A	99	138	55	8.8	MB.EJ.AVT0.24.065.16.ZBBC3 T20441
80	130	18	200	8	18	160	87	114	2	290	A	98	189	76	9.5	MB.EJ.AVT0.24.080.16.ZBBC3 T20442
100	130	22	220	8	18	180	11	141	2	350	A	98	330	121	14.7	MB.EJ.AVT0.24.100.16.ZBBC3 T20443
125	130	22	250	8	18	210	130	166	2	380	A	106	600	167	18.2	MB.EJ.AVT0.24.125.16.ZBBC3 T20444
150	130	23	285	8	22	240	158	194	3	415	B	154	1260	238	24.4	MB.EJ.AVT0.24.150.16.ZBBC3 T20445
175	130	26	315	8	22	270	191	228	3	445	B	174	2307	336	30.7	MB.EJ.AVT0.24.175.16.ZBBC3 T20446
200	130	26		12	22	295	213	255	4	470	C	221	3435	414	58.3	MB.EJ.AVT0.24.200.16.ZBBC3 T20447
250	130	29		12	25	355	263	309	6	535	C	302	10500	620	77.1	MB.EJ.AVT0.24.250.16.ZBBC3 T20448
300	130	28		12	25	410	313	362	8	590	C	400	20050	855	89.3	MB.EJ.AVT0.24.300.16.ZBBC3 T20449

Material

24 = X2CrNiMo 17-12-2 N° 1.4404 EN10028-7