

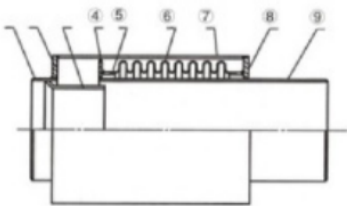


JZW Externally Pressurized Axial Expansion Joint

Externally pressurized bellows for long-stroke axial thermal movement | Pipe-end configuration



Exact JZW catalog product



Exact JZW structural drawing

Key Supply & Configuration Data

Model	JZW
Size Range	DN50-DN1500 catalog range
Primary Movement	Axial thermal compensation
Pressure Levels	0.6 / 1.0 / 1.6 MPa catalog levels
Configuration	Externally pressurized metal bellows
Axial Compensation	Up to 460 mm in specific catalog configurations
Connection	Pipe-end configuration; final end dimensions confirmed by project drawing
Standard	GB/T 12777-2019
System Design	Pressure thrust, anchors, guides, supports, flow direction and piping alignment must be reviewed for the actual system
Materials / Temperature	Confirmed for the selected medium, pressure, temperature and project requirements

Fast Supply & Custom Production

- Common configurations can be prepared for fast supply.
- Custom production can start the same day after drawing and specification confirmation.
- DN, pressure, movement, installed length, end dimensions and project configuration can be made to approved requirements.



Catalog Axial Compensation & Stiffness Reference

Exact Mingchao catalog values. Compensation is in mm; stiffness is in N/mm; maximum external diameter is in mm.
The source Effective Area column is intentionally omitted from this datasheet pending factory confirmation of the DN1000 source anomaly.

DN50-DN400

Pressure levels: 0.6 / 1.0 / 1.6 MPa

通径 DN Nominal diameter	长度 Length mm	波数 Wave number	压力等级MPa Pressure level			最大外径尺寸mm Maximum external diameter
			0.6	1.0	1.6	
			轴向补偿量mm/刚度N / m	轴向补偿量mm/刚度N / m	轴向补偿量mm/刚度N / m	
50	432	10	41 / 231	39 / 255	37 / 286	φ 270
	654	20	82 / 116	78 / 1 26	74 / 143	
65	488	10	41 / 231	39 / 255	37 / 286	φ 290
	756	20	82 / 116	78 / 1 26	74 / 143	
80	506	9	56 / 196	53 / 232	50 / 278	φ 308
	789	18	112 / 98	106 / 11 6	100 / 139	
100	532	8	61 / 167	57 / 218	54 / 256	φ 336
	789	16	122 / 84	114 / 109	108 / 128	
125	616	8	82 / 278	78 / 301	75 / 320	φ 368
	966	16	164 / 129	1 56 / 1 51	150 / 160	
150	950	8	124 / 125	11 2 / 1 54	89 / 330	φ 450
	1540	16	250 / 56	210 / 87	160 / 113	
200	950	8	130 / 155	100 / 1 26	70 / 409	φ 505
	1550	16	250 / 75	200 / 11 3	160 / 205	
250	1080	8	161 / 111	1 30 / 162	105 / 378	φ 566
	1800	16	320 / 51	260 / 94	201 / 179	
300	1090	8	161 / 138	1 30 / 1 94	100 / 338	φ 600
	1820	16	320 / 54	260 / 100	200 / 1 68	
350	1090	8	165 / 165	1 32 / 221	99 / 438	φ 676
	1820	16	320 / 71	250 / 1 21	200 / 218	
400	1110	8	162 / 164	1 32 / 290	101 / 468	φ 710
	1840	16	310 / 76	251 / 145	190 / 268	

DN450-DN1500 - Continued

Same catalog columns and units

通径 DN Nominal diameter	长度 Length mm	波数 Wave number	压力等级MPa Pressure level			最大外径尺寸mm Maximum external diameter
			0.6	1.0	1.6	
			轴向补偿量mm/刚度N / m	轴向补偿量mm/刚度N / m	轴向补偿量mm/刚度N / m	
450	1110	8	152 / 131	1 24 / 339	100 / 532	φ 768
	1840	16	301 / 81	251 / 1 70	190 / 245	
500	1475	6	190 / 180	1 50 / 51 5	150 / 765	φ 975
	2450	12	371 / 90	300 / 1 75	300 / 298	
600	1540	6	195 / 231	1 50 / 754	140 / 765	φ 1090
	2540	12	391 / 121	290 / 364	280 / 480	
700	1540	6	200 / 222	1 55 / 601	150 / 832	φ 1190
	2540	12	400 / 112	300 / 400	290 / 478	
800	1540	6	201 / 200	1 64 / 497	150 / 897	φ 1290
	2540	12	400 / 135	321 / 451	299 / 583	
900	1605	6	220 / 206	230 / 635	220 / 765	φ 1460
	2685	12	430 / 154	460 / 337	442 / 388	
1000	1605	6	220 / 356	230 / 61 5	220 / 763	φ 1560
	2685	12	430 / 268	460 / 303	442 / 418	
1100	1605	6	210 / 273	230 / 654	221 / 754	φ 1660
	2685	12	428 / 187	460 / 347	442 / 414	
1200	1605	6	210 / 308	230 / 757	221 / 832	φ 1760
	2685	12	420 / 104	460 / 488	443 / 601	
1300	1605	6	220 / 356	230 / 864	221 / 864	φ 1860
	2685	12	410 / 132	450 / 432	435 / 626	
1400	1605	6	212 / 398	231 / 645	226 / 889	φ 1960
	2685	12	410 / 198	450 / 466	430 / 665	
1500	1605	6	201 / 321	230/978	220/978	φ 2060
	2685	12	400/187	449/422	432/665	

Selection Note Compensation and stiffness are configuration-specific; confirm DN, pressure, required axial movement, length, medium, temperature, anchors/guides and flow direction.
For detailed technical requirements, custom configurations or project questions, please contact us.