

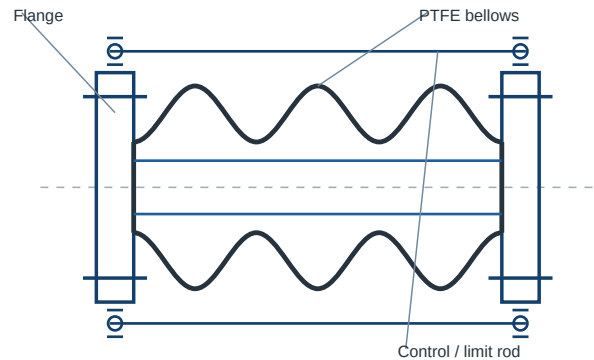


PTFE Bellows Expansion Joint

Corrosion-resistant PTFE flexible element | Flanged configuration | Axial, lateral and angular movement



Exact Mingchao catalog PTFE bellows product



Non-dimensional structural schematic - final geometry follows approved drawing
Three-convolution structural schematic

Key Supply & Configuration Data

Product Type	PTFE Bellows Expansion Joint
Size Range	DN25-DN1600 catalog three-convolution reference
Product Standard	GB/T 15700-2008
Flexible Element	PTFE bellows
Connection	Flanged; final flange specification and drilling confirmed for the project
Movement	Axial / lateral / angular; torsion is not an intended movement mode
Configuration	Three-convolution catalog data available; final convolution arrangement follows project requirements
Typical Service	Corrosive chemical and process piping after medium / concentration compatibility review
Selection Inputs	Pressure / temperature / medium / concentration / movement / vacuum / flange / piping layout
Production	Standard configurations + fast custom production after specification and drawing confirmation

Stock & Custom Production

- Common configurations can be supplied quickly; custom production can start after drawing and specification confirmation.
- DN, movement, installed length, flange, control hardware and other project details can be configured to approved requirements.



Three-Convolution Movement Reference

Exact Mingchao catalog movement and three-wave length data. Values are configuration-specific and shown by nominal size.

DN25-DN400 Movement / length in mm | Angle in degrees

DN	Axial Delta X	Lateral TF02-1	Lateral TF02-2	Angular Delta theta	3-Wave Length L
25	12	8	10	20	65
32	14	12	16	20	70
40	17	14	18	20	75
50	20	17	22	20	82
65	22	20	26	20	88
80	24	24	32	20	92
100	26	25	33	20	95
125	29	25	33	20	105
150	32	20	26	20	115
200	40	20	26	20	125
250	42	20	27	20	135
300	44	20	27	20	145
350	46	20	27	20	150
400	46	20	27	20	160

DN450-DN1600 - Continued Same columns and units

DN	Axial Delta X	Lateral TF02-1	Lateral TF02-2	Angular Delta theta	3-Wave Length L
450	48	12	16	15	180
500	48	12	16	15	200
600	49	12	16	15	220
700	50	12	16	15	240
800	50	12	16	15	260
900	50	10	13	15	280
1000	52	10	13	15	300
1200	52	10	13	15	320
1400	54	8	10	15	340
1600	54	8	10	15	360

Selection Note
Movement values are size-specific catalog references and should not be added together or assumed to occur simultaneously. Final pressure, temperature, vacuum condition, flange specification and control-hardware arrangement are confirmed for the selected assembly and piping system.

For detailed technical requirements, custom configurations or project questions, please contact us.