

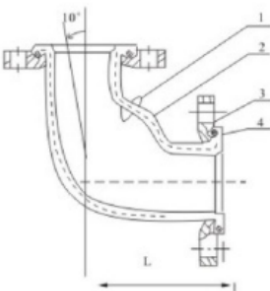


# WTX 90° Flexible Rubber Expansion Elbow

90-degree flexible elbow | Vibration isolation, movement accommodation and fast custom production



WTX 90° flexible rubber elbow



Dimensional / construction drawing

## Key Technical Data

|                             |                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Catalog Size Range          | DN50-DN300                                                                                                                           |
| Face-to-Face / Leg Length L | 150-320 mm by nominal size                                                                                                           |
| Working Pressure            | WTX-I: 1.0 MPa   WTX-II: 1.6 MPa   WTX-III: 2.5 MPa                                                                                  |
| Bursting Pressure           | WTX-I: 2.0 MPa   WTX-II: 3.2 MPa   WTX-III: 4.5 MPa                                                                                  |
| Vacuum                      | 53.3 / 86.7 / 100 kPa (400 / 650 / 750 mmHg), by WTX type                                                                            |
| Temperature                 | -15 to 115°C standard catalog range; special conditions can reach -30 to 250°C                                                       |
| Movement                    | 20 mm axial extension   20 mm axial compression   16 mm lateral   20° angular                                                        |
| Applicable Media            | Air, compressed air, water, sea water, hot water, oil, acid and alkali, etc.                                                         |
| Materials / Connection      | Main component materials follow JGD-type catalog configuration; flange/material details can be made to approved project requirements |

## Stock & Custom Production

- Common WTX sizes and standard configurations can be supplied quickly from stock.
- Custom production can start the same day after drawing and specification confirmation.
- Size, leg length, flange drilling, rubber/material configuration and project-specific geometry can be manufactured to approved drawings.



## Technical Conditions & Dimensions

WTX catalog reference data. Final selection is confirmed for the actual medium, temperature and piping arrangement.

### WTX Technical Conditions

| Item                    | WTX-I        | WTX-II       | WTX-III      |
|-------------------------|--------------|--------------|--------------|
| Working Pressure (MPa)  | 1.0          | 1.6          | 2.5          |
| Bursting Pressure (MPa) | 2.0          | 3.2          | 4.5          |
| Vacuum kPa (mmHg)       | 53.3 (400)   | 86.7 (650)   | 100 (750)    |
| Applicable Temperature  | -15 to 115°C | -15 to 115°C | -15 to 115°C |

Catalog note: for special operating conditions, temperature can be -30 to 250°C. Confirm material and pressure suitability for the actual service.

### Main Connection Dimensions

All dimensions in mm | Angle in degrees

| DN  | Inch | L   | Axial Extension | Axial Compression | Lateral Movement | Angular Deflection |
|-----|------|-----|-----------------|-------------------|------------------|--------------------|
| 50  | 2    | 150 | 20              | 20                | 16               | 20                 |
| 65  | 2.5  | 150 | 20              | 20                | 16               | 20                 |
| 80  | 3    | 160 | 20              | 20                | 16               | 20                 |
| 100 | 4    | 170 | 20              | 20                | 16               | 20                 |
| 125 | 5    | 200 | 20              | 20                | 16               | 20                 |
| 150 | 6    | 230 | 20              | 20                | 16               | 20                 |
| 200 | 8    | 265 | 20              | 20                | 16               | 20                 |
| 250 | 10   | 280 | 20              | 20                | 16               | 20                 |
| 300 | 12   | 320 | 20              | 20                | 16               | 20                 |

### Selection & Quotation Note

The values above are Mingchao catalog references for the WTX 90° elbow. Maximum axial, lateral and angular movements should not be assumed to occur simultaneously. For quotation, provide DN/NPS, flange standard, medium, working pressure, operating temperature, required leg length, movement requirement, quantity and drawing if available.

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