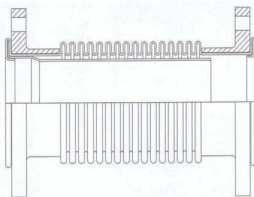


## Expansion Joint Flanged End Type 150 series



### CONSTRUCTION

| Item | Parts           | 150N | 150S | 150SG | Material   |
|------|-----------------|------|------|-------|------------|
| 1    | Bellows         | ☉    | ☉    | ☉     | SUS304/316 |
| 2    | Internal Sleeve |      | ☉    | ☉     | SUS304/316 |
| 3    | Flange          | ☉    | ☉    | ☉     | FCD400     |
| 4    | Limit Rods      |      |      | ☉     | S25C/SS304 |

**Features :** One ply stainless steel bellows connected with floating flanges. Internal sleeve and limit rods are optional. Designed to accommodate axial movement of pipeline in medium and low pressure and in medium and low working temperature. Size range is from 40mm to 300mm.

**Movement :** 50mm

**Flange :** according to DIN, JIS, ANSI

### SPECIFICATION

| NOMIAL BORE |       | TOTAL LENGTH |       | BELLOWS |       |     |     | AXIAL MOVEMENT |    | WORKING PRESSURE |       | AXIAL SPRING RATE | EFFECTIVE AREA |                 |                   |
|-------------|-------|--------------|-------|---------|-------|-----|-----|----------------|----|------------------|-------|-------------------|----------------|-----------------|-------------------|
| mm          | inch  | mm           | inch  | O.D.    | CORR. | PLY | No. | No.            | mm | inch             | bar   | psi               | N/mm           | cm <sup>2</sup> | inch <sup>2</sup> |
| 40          | 1 1/2 | 300          | 11.81 | 58.0    | 2.36  | 32  | 1   | 50             | 2  | 10               | 145.2 | 22.44             | 20.2           | 3.1             |                   |
| 50          | 2     | 300          | 11.81 | 74.0    | 3.07  | 24  | 1   | 50             | 2  | 10               | 145.2 | 18.42             | 32.8           | 5.1             |                   |
| 65          | 2 1/2 | 300          | 11.81 | 90.0    | 3.62  | 20  | 1   | 50             | 2  | 10               | 145.2 | 45.37             | 49.6           | 7.7             |                   |
| 80          | 3     | 300          | 11.81 | 104.0   | 4.25  | 20  | 1   | 50             | 2  | 10               | 145.2 | 45.08             | 67.8           | 10.5            |                   |
| 100         | 4     | 300          | 11.81 | 130.0   | 5.20  | 16  | 1   | 50             | 2  | 10               | 145.2 | 47.82             | 108.0          | 16.7            |                   |
| 125         | 5     | 300          | 11.81 | 160.0   | 6.42  | 15  | 1   | 50             | 2  | 10               | 145.2 | 84.87             | 166.5          | 25.8            |                   |
| 150         | 6     | 300          | 11.81 | 188.0   | 7.48  | 14  | 1   | 50             | 2  | 10               | 145.2 | 78.99             | 232.4          | 36.0            |                   |
| 200         | 8     | 300          | 11.81 | 242.0   | 9.57  | 13  | 1   | 50             | 2  | 10               | 145.2 | 136.42            | 394.1          | 61.1            |                   |
| 250         | 10    | 300          | 11.81 | 292.0   | 11.61 | 12  | 1   | 50             | 2  | 10               | 145.2 | 179.63            | 589.7          | 91.4            |                   |
| 300         | 12    | 300          | 11.81 | 344.0   | 13.58 | 12  | 1   | 50             | 2  | 10               | 145.2 | 183.95            | 829.6          | 128.6           |                   |