

## Double Sphere Union Type Rubber Expansion Joint

Fig. W620

### Specification

Design in accordance with GB/T26121,HCRJ-070

Thread comply with ISO228/1

Testing standards comply with GB/T26121

### Technical data

**Working Pressure:** 16Kg/cm<sup>2</sup> / 10Kg/cm<sup>2</sup>

**Burst Pressure:** 48Kg/cm<sup>2</sup> / 30Kg/cm<sup>2</sup>

**Vacuum Rating:** 500 mmHg / 400 mmHg

**Size:** 15mm(1/2")~50mm(2")

**Medium Temperature:** -15°C ~ 115°C  
(according to material)

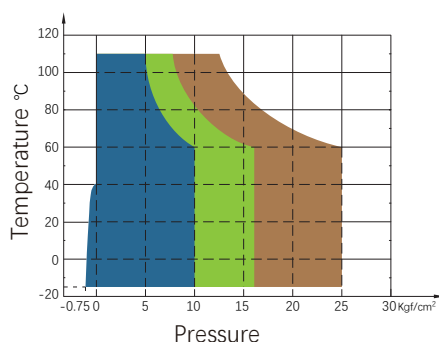
**Ambient Temperature:** -40°C ~ 60°C

**Working medium:** Cold/hot water or 50% glycol solution

### Material Specifications

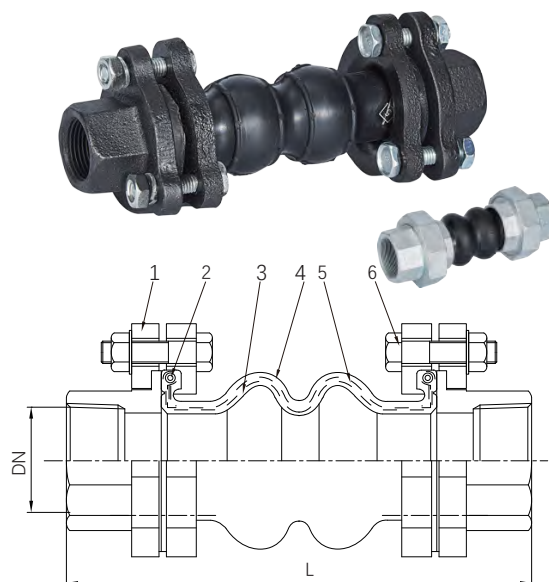
| Part Name        | Materials              | Material    |
|------------------|------------------------|-------------|
| Union            | Malleable Ductile Iron | - QT450     |
| Reinforcing Ring | Carbon Steel           | Steel wire  |
| Inner Rubber     | Rubber                 | EPDM/NBR/CR |
| Outer Rubber     | Rubber                 | EPDM/NBR/CR |
| Reinforcing Cord | Synthetic Fibre        | -           |
| Bolt             | Carbon Steel           | -           |

### Performance Table



Working Temperature vs. Working Pressure

### Schematic



### Dimensions

| DN<br>mm | NPS<br>inch | length<br>L | Allowable displacement value |                     |                              |                             | Allowable installation deviation |                     |                              |                             |
|----------|-------------|-------------|------------------------------|---------------------|------------------------------|-----------------------------|----------------------------------|---------------------|------------------------------|-----------------------------|
|          |             |             | Stretch<br>A.E.              | Compression<br>A.C. | Lateral Displacement<br>T.M. | Angle of deflection<br>A.M. | Stretch<br>A.E.                  | Compression<br>A.C. | Lateral Displacement<br>T.M. | Angle of deflection<br>A.M. |
| 15       | 1/2"        | 180         | 10                           | 15                  | 15                           | 30°                         | 3                                | 4                   | 6                            | 10°                         |
| 20       | 3/4"        | 180         | 10                           | 15                  | 15                           | 30°                         | 3                                | 4                   | 6                            | 10°                         |
| 25       | 1"          | 180         | 10                           | 15                  | 15                           | 30°                         | 3                                | 4                   | 6                            | 10°                         |
| 32       | 1 1/4"      | 245         | 10                           | 20                  | 20                           | 30°                         | 3                                | 6                   | 8                            | 10°                         |
| 40       | 1 1/2"      | 245         | 10                           | 20                  | 20                           | 30°                         | 3                                | 6                   | 8                            | 10°                         |
| 50       | 2"          | 245         | 10                           | 20                  | 20                           | 30°                         | 3                                | 6                   | 8                            | 10°                         |

Size: mm  
Angle: °