

**BLAZE**

# Double-Sphere Rubber Joint

**Model : BT-RFC-DS**

## Description:

The BT-RFC-DS Double-Sphere Flexible Rubber Joint is designed to reduce vibration and noise while compensating for thermal expansion, contraction and pipeline misalignment. Its double-sphere design provides greater flexibility than a single-sphere joint, making it ideal for water supply, HVAC, fire protection and industrial piping systems. Manufactured from reinforced EPDM rubber, it ensures reliable sealing, durability and a long service life.

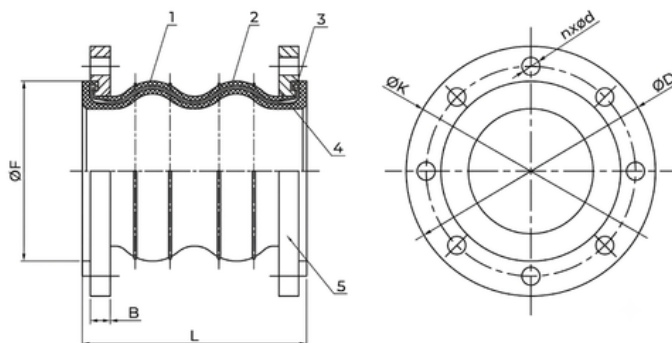
## Specifications:

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| <b>Size</b>             | DN50 to DN600                                      |
| <b>Standard</b>         | BS EN12266 / GB/T13927                             |
| <b>End Connection</b>   | BS EN1092-2 PN16 / PN25                            |
| <b>Suitable Medium</b>  | Water Concentration ≤ 50% Ethylene Glycol Solution |
| <b>Temperature</b>      | -15°C to 115°C                                     |
| <b>Working Pressure</b> | 232 psi (PN 16) / 363 psi (PN 25)                  |



## Materials Specifications :

| Item | Part Name        | Material                  |
|------|------------------|---------------------------|
| 1    | Outer Rubber     | Rubber                    |
| 2    | Reinforcing Cord | Synthetic Fiber           |
| 3    | Steel Wire       | Carbon Steel              |
| 4    | Inner Rubber     | Rubber                    |
| 5    | Flange           | Mild Steel / Ductile Iron |



| Size |      | L (mm) |      | ΦD   |      | ΦK   |      | ΦF   |      | B(mm) |      | n*Φd   |        |
|------|------|--------|------|------|------|------|------|------|------|-------|------|--------|--------|
| DN   | Inch | PN16   | PN25 | PN16 | PN25 | PN16 | PN25 | PN16 | PN25 | PN16  | PN25 | PN16   | PN25   |
| 50   | 2"   | 175    | 175  | Φ165 | Φ165 | Φ125 | Φ125 | Φ88  | Φ88  | 16    | 16   | 4*Φ18  | 4*Φ18  |
| 65   | 2½"  | 175    | Φ175 | Φ185 | Φ185 | Φ145 | Φ145 | Φ106 | Φ106 | 16    | 18   | 4*Φ18  | 8*Φ18  |
| 80   | 3"   | 175    | Φ175 | Φ200 | Φ200 | Φ160 | Φ160 | Φ120 | Φ120 | 18    | 18   | 8*Φ18  | 8*Φ18  |
| 100  | 4"   | 225    | Φ225 | Φ220 | Φ235 | Φ180 | Φ190 | Φ150 | Φ150 | 18    | 20   | 8*Φ18  | 8*Φ22  |
| 125  | 5"   | 225    | Φ225 | Φ250 | Φ270 | Φ210 | Φ220 | Φ180 | Φ180 | 20    | 20   | 8*Φ18  | 8*Φ26  |
| 150  | 6"   | 225    | Φ225 | Φ285 | Φ300 | Φ240 | Φ250 | Φ212 | Φ212 | 22    | 24   | 8*Φ23  | 8*Φ26  |
| 200  | 8"   | 325    | Φ325 | Φ340 | Φ360 | Φ295 | Φ310 | Φ264 | Φ264 | 22    | 24   | 12*Φ23 | 12*Φ26 |
| 250  | 10"  | 325    | Φ325 | Φ405 | Φ425 | Φ355 | Φ370 | Φ324 | Φ324 | 24    | 26   | 12*Φ27 | 12*Φ30 |
| 300  | 12"  | 325    | Φ325 | Φ460 | Φ485 | Φ410 | Φ430 | Φ372 | Φ372 | 26    | 26   | 12*Φ27 | 16*Φ30 |
| 350  | 14"  | 345    | -    | Φ520 | -    | Φ470 | -    | Φ415 | -    | 26    | -    | 16*Φ27 | -      |
| 400  | 16"  | 345    | -    | Φ580 | -    | Φ525 | -    | Φ466 | -    | 28    | -    | 16*Φ30 | -      |
| 450  | 18"  | 345    | -    | Φ640 | -    | Φ585 | -    | Φ526 | -    | 30    | -    | 20*Φ30 | -      |
| 500  | 20"  | 345    | -    | Φ715 | -    | Φ650 | -    | Φ575 | -    | 30    | -    | 20*Φ33 | -      |
| 600  | 24"  | 345    | -    | Φ840 | -    | Φ770 | -    | Φ690 | -    | 30    | -    | 20*Φ36 | -      |

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Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.

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