# DOUBLE SPHERE RUBBER FLEXIBLE JOINT

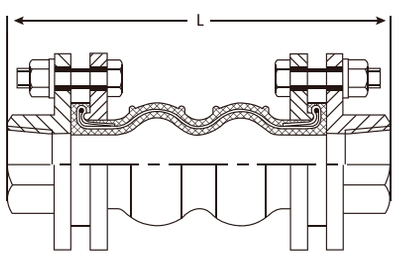
PN16 F85DJ16

## GENERAL

- Absorbs and reduces vibration and shock in the system
- Absorbs the stress generated by the expansion and compression of the pipe line
- Provides flexibility to the system as allowance connection and installation error
- Excellent resistance against pressure

## FEATURES

- Molded and vulcanised in hydraulic presses
- Solid carbon steel internal reinforcing ring
- 3-pin ductile iron screwed connection to EN10226-1 (ISO 7)



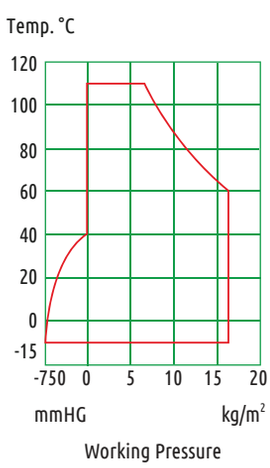

## APPLICATIONS

- Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, General Industries
- Suitable for suction and discharge within specify working pressure

## MATERIAL SPECIFICATIONS

| Part | Material |
|---|---|
| Union Flange | Ductile Iron |
| Bolt | Mild Steel |
| Nut | Mild Steel |
| Washer | Mild Steel |
| Inner Rubber | EPDM |
| Outer Rubber | EPDM |
| Reinforcing Cord | Nylon |
| Union Edge | Melleable Iron |

## OPERATING PRESSURE & TEMPERATURE




F85DJ16
DN15 ... DN50
Burst Pressure 48bar

## DIMENSIONS AND MOVEMENTS

| Diameter | | Dimension | Allowable Movements(mm) | | | |
|---|---|---|---|---|---|---|
| mm | inch | L(mm) | Axial Elongation (mm) | Axial Compression (mm) | Lateral Displacement (mm) | Angle of Deflection (°) |
| 15 | ½ | 180 | 10 | 15 | 15 | 30 |
| 20 | ¾ | 180 | 10 | 15 | 15 | 30 |
| 25 | 1 | 180 | 10 | 15 | 15 | 30 |
| 32 | 1¼ | 245 | 10 | 15 | 15 | 30 |
| 40 | 1½ | 245 | 10 | 15 | 15 | 30 |
| 50 | 2 | 255 | 10 | 15 | 15 | 30 |