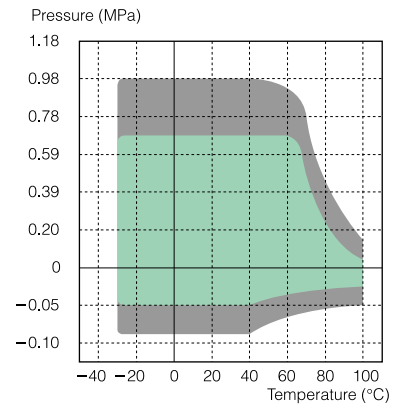
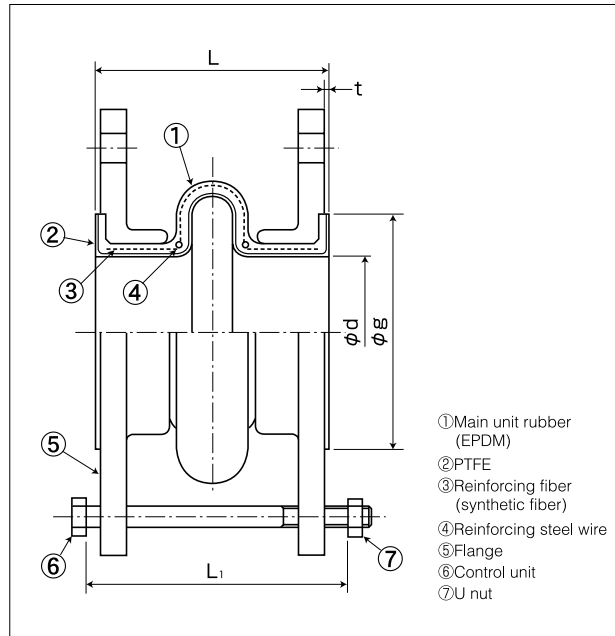


NAIGAI E-P JOINT

Pressure PF Type (small diameter)



Working range applicable when combined displacement is 50% or lower.

Working range applicable when combined displacement exceeds 50%.

Operating pressure: 0.98MPa (10kgf/cm²) or lower

Negative pressure: -0.09MPa (-0.9kgf/cm²) or higher

Operating temperature: -30°C~+100°C (Cooling and heating water)

● Before use, check that maximum working pressure and maximum working temperature are within operational ranges.

Standard dimensions and allowable displacements

| Nominal diameter | Unit dimensions | | | | Allowable displacement | | | | Allowable displacement upon installation | | | | Weight (kg) | Dimensions of control unit set | | | |
|------------------|-----------------|---------|--------|--------|------------------------|------------------|-------------------|-----------------|--|------------------|-------------------|-----------------|-------------|--------------------------------|-----------|---------------------|---------------------|
| | φd (mm) | φg (mm) | L (mm) | t (mm) | Expansion (mm) | Contraction (mm) | Eccentricity (mm) | Declination (°) | Expansion (mm) | Contraction (mm) | Eccentricity (mm) | Declination (°) | | Reference | Bolt used | L ₁ (mm) | L ₂ (mm) |
| 15 | 25 | 58 | 83 | 3.0 | 12 | 12 | 5 | 30 | 4 | 4 | 2 | 6 | 1.2 | - | - | - | - |
| 20 | 25 | 58 | 83 | 3.0 | 12 | 12 | 5 | 30 | 4 | 4 | 2 | 6 | 1.4 | - | - | - | - |
| 25 | 25 | 70 | 83 | 3.0 | 12 | 12 | 5 | 30 | 4 | 4 | 2 | 6 | 2.1 | - | - | - | - |
| 32 | 37 | 83 | 120 | 3.0 | 13 | 13 | 10 | 25 | 5 | 5 | 4 | 5 | 4.7 | M-12 | 127 | - | 2 |
| 40 | 37 | 83 | 120 | 3.0 | 13 | 13 | 10 | 25 | 5 | 5 | 4 | 5 | 5.0 | M-12 | 127 | - | 2 |
| 50 | 49 | 98 | 125 | 3.0 | 17 | 17 | 10 | 25 | 6 | 6 | 4 | 5 | 5.8 | M-12 | 136 | - | 2 |
| 65 | 62 | 118 | 130 | 3.0 | 18 | 18 | 10 | 20 | 6 | 6 | 4 | 4 | 8.0 | M-12 | 142 | - | 2 |
| 80 | 73 | 127 | 134 | 3.0 | 18 | 18 | 10 | 20 | 6 | 6 | 4 | 4 | 8.1 | M-12 | 146 | - | 2 |
| 100 | 98 | 152 | 156 | 3.0 | 21 | 21 | 15 | 15 | 7 | 7 | 5 | 3 | 9.9 | M-14 | 171 | - | 2 |
| 125 | 122 | 181 | 168 | 3.0 | 23 | 23 | 15 | 15 | 8 | 8 | 5 | 3 | 15.0 | M-14 | 185 | - | 2 |
| 150 | 147 | 211 | 180 | 4.5 | 24 | 24 | 15 | 10 | 8 | 8 | 5 | 2 | 19.7 | M-16 | 195 | - | 2 |
| 200 | 196 | 260 | 184 | 4.0 | 24 | 24 | 15 | 10 | 8 | 8 | 5 | 2 | 22.9 | M-16 | 200 | - | 2 |
| 250 | 245 | 319 | 192 | 4.0 | 24 | 24 | 15 | 5 | 8 | 8 | 5 | 1 | 33.4 | M-20 | 208 | - | 2 |
| 300 | 294 | 363 | 196 | 4.0 | 24 | 24 | 15 | 5 | 8 | 8 | 5 | 1 | 38.3 | M-20 | 212 | - | 2 |

● Weights with SS400 or JIS10K flanges (standard) mounted are indicated.

● Dimension allowances on installation are included in allowable displacements.

(Allowable displacement = Dimension allowances on installation + Displacement under operation)

