MARINE EXPANSION JOINT

# KXT Single Ball Rubber Expansion Joint

ISO9001 Supplier

Class Certificate

Export Supply

They are used in all systems transporting fluids, slurries or gases under pressure, at ambient pressure or under vacuum over a wide range of temperatures. Rubber Expansion Joints are designed for piping systems ...




## Key Highlights

| | |
|---|---|
| **Category** | Marine Expansion Joint |
| **Standard** | EN |
| **Certificate** | ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS |

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

## Technical Specifications

| | | | |
|---|---|---|---|
| **Category** | Marine Expansion Joint | **Model / SKU** | KXT-Single-Ball-Rubber-Expansion-Joint |
| **Standard** | EN | **Certificate** | ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS |
| **Warranty** | 12 Months unless specified otherwise | **Origin** | China |

**CONTENTS**

- China KXT Single Ball Rubber Expansion Joint:
- KXT Single Ball Rubber Expansion Joint Main Specifications

## China KXT Single Ball Rubber Expansion Joint:

They are used in all systems transporting fluids, slurries or gases under pressure, at ambient pressure or under vacuum over a wide range of temperatures.

Rubber Expansion Joints are designed for piping systems to absorb pipe movements, relieve stress, reduce system noise/vibration, and compensate for misalignment/offset and to protect rotating mechanical equipment against start-up surge forces. Internal pressure within a “sphere” is exerted in all directions, distributing forces evenly over a larger area. The spherical design “flowing arch” reduces turbulence and sediment buildup.

## KXT Single Ball Rubber Expansion Joint Main Specifications

| Nominal Diameter | | Length | Flange | Bolt | Bolt hole | Bolt hole circle | Axial displacement | | Lateral | Deflection |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Thickness | Quantity | Diameter | Diameter | Stretching | Compression | Displacement | Angle |
| (mm) | (Inch) | (mm) | (mm) | (mm) | (mm) | (mm) | | (mm) | (a1 +a2 ) | |
| 40 | 1.5 | 95 | 18 | 4 | 18 | 110 | 6 | 10 | 9 | 15 |
| 50 | 2 | 105 | 18 | 4 | 18 | 125 | 7 | 10 | 10 | 15 |
| 65 | 2.5 | 115 | 20 | 4 | 18 | 145 | 7 | 13 | 11 | 15 |
| 80 | 3 | 135 | 20 | 4 | 18 | 160 | 8 | 15 | 12 | 15 |
| 100 | 4 | 150 | 22 | 8 | 18 | 180 | 10 | 19 | 13 | 15 |
| 125 | 5 | 165 | 24 | 8 | 18 | 210 | 12 | 19 | 13 | 15 |
| 150 | 6 | 180 | 24 | 8 | 23 | 240 | 12 | 20 | 14 | 15 |
| 200 | 8 | 210 | 24 | 8 | 23 | 295 | 16 | 25 | 22 | 15 |
| 250 | 10 | 230 | 26 | 12 | 23 | 350 | 16 | 25 | 22 | 15 |
| 300 | 12 | 245 | 28 | 12 | 23 | 400 | 16 | 25 | 22 | 15 |
| 350 | 14 | 255 | 28 | 16 | 23 | 460 | 16 | 25 | 22 | 15 |
| 400 | 16 | 255 | 30 | 16 | 25 | 515 | 16 | 25 | 22 | 15 |
| 450 | 18 | 255 | 30 | 20 | 25 | 565 | 16 | 25 | 22 | 15 |
| 500 | 20 | 255 | 32 | 20 | 25 | 620 | 6 | 25 | 22 | 15 |
| 600 | 24 | 260 | 36 | 20 | 30 | 725 | 6 | 25 | 22 | 15 |
| 700 | 28 | 260 | 36 | 24 | 30 | 840 | 16 | 25 | 22 | 15 |
| 800 | 32 | 260 | 38 | 24 | 34 | 950 | 16 | 25 | 22 | 15 |
| 900 | 36 | 260 | 42 | 28 | 34 | 1050 | 6 | 25 | 22 | 15 |
| 1000 | 40 | 260 | 44 | 28 | 34 | 1160 | 18 | 26 | 24 | 15 |
| 1200 | 48 | 260 | 48 | 32 | 41 | 1380 | 18 | 26 | 24 | 15 |
| 1400 | 56 | 350 | 44 | 36 | 34 | 1560 | 20 | 28 | 26 | 15 |
| 1600 | 64 | 350 | 46 | 40 | 34 | 1760 | 25 | 35 | 30 | 10 |
| 1800 | 72 | 350 | 52 | 44 | 41 | 1970 | 25 | 35 | 30 | 10 |
| 2000 | 80 | 420 | 54 | 48 | 48 | 2180 | 25 | 35 | 30 | 10 |
| 2200 | 88 | 400 | 40 | 52 | 48 | 2390 | 25 | 35 | 30 | 10 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2400 | 96 | 400 | 41 | 56 | 48 | 2600 | 25 | 35 | 30 | 10 |
| 2600 | 104 | 450 | 42 | 60 | 54 | 2810 | 25 | 35 | 30 | 10 |
| 2800 | 112 | 450 | 45 | 64 | 54 | 3020 | 25 | 35 | 30 | 10 |
| 3000 | 120 | 450 | 50 | 68 | 54 | 3220 | 25 | 35 | 30 | 10 |