

EXPANSION JOINT

# Double ball rubber expansion joint

REF **EFC-259** ISSUED 05 Jun 2026

## SPECIFICATIONS

Size	<b>DN50–DN400</b>
Pressure	<b>PN10–PN16</b>
End connection	<b>flanged / flanged / threaded</b>
Temperature	<b>null°C to null°C</b>
Media	<b>water, wastewater, chemicals</b>

## APPROVALS & CERTIFICATIONS

- CE
- EAC
- ISO
- Lloyd's Register (LR)
- Bureau Veritas
- ACS (Attestation de Conformité Sanitaire)
- WRAS Approved Product
- ECM (Ente Certificazione Macchine)

## APPLICATIONS

- HVAC systems
- Wastewater treatment
- Chemical plants
- Pump installations
- Industrial piping systems
- Water networks



## MATERIALS

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sphere	<b>Elastomer</b>	flange	<b>Carbon Steel</b>
reinforcement	<b>Synthetic Fabric</b>	rubber body	<b>EPDM (label visible on product)</b>

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## FEATURES

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- Dual-sphere design for axial, lateral, and angular displacement absorption
  - Vibration absorption and noise reduction
  - Thermal expansion compensation
  - Flanged or threaded end connections
  - Compatible with a variety of pipeline materials
  - Rubber sphere reinforced with synthetic fabric
  - Double-sphere flanged rubber expansion joint
  - Galvanised / zinc-plated steel flanges
  - Central steel retaining ring between the two spheres
  - Bolt holes visible on flanges (8-hole pattern on larger sizes)
  - Flanged end connections

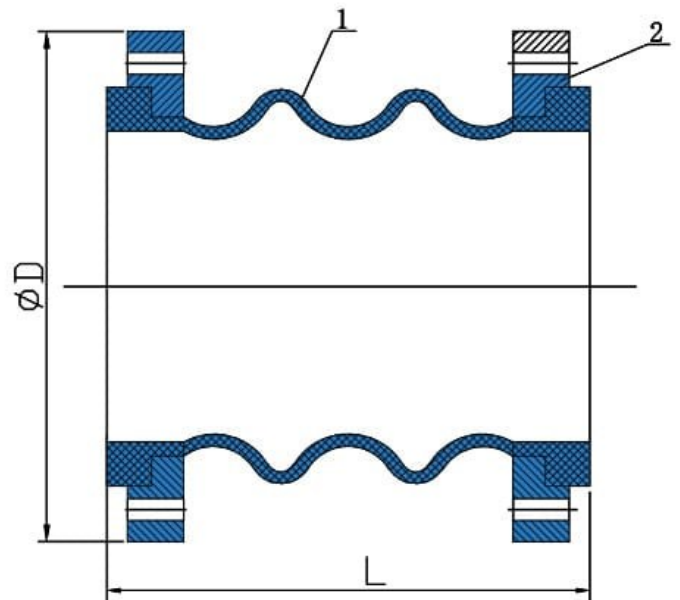
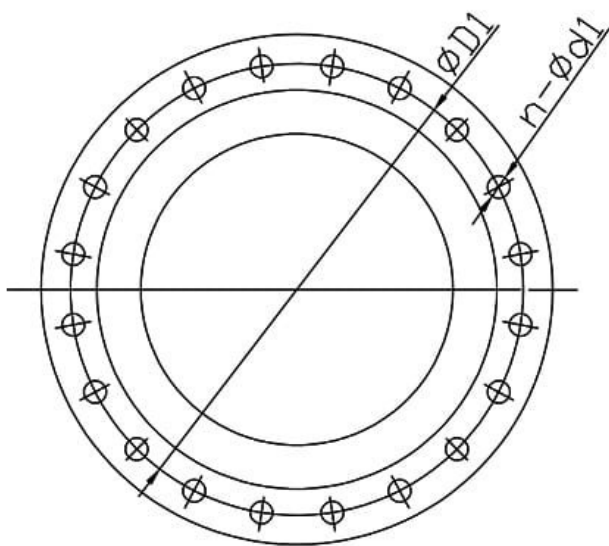
## OPTIONS & NOTES

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- Products hold up to 10 international authoritative certification certificates

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SECTION Technical drawing REF EFC-259



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# Double ball rubber expansion joint

SECTION Dimensions per size REF EFC-259

SIZE	L	AXI- AL_STRETCH	AXIAL_COM- PRESSION	LATER- AL_DIS- PLACEMENT	PN16_D	PN16_D1	PN16_N-D1	PN10_D	PN10_D1	PN10_N-D1
DN50	165	30	50	45	165	125	4-18	165	125	4-18
DN65	175	30	50	45	185	145	4-18	185	145	4-18
DN80	175	35	50	45	200	160	8-18	200	160	8-18
DN100	225	35	50	40	220	180	8-18	220	180	8-18
DN125	225	35	50	40	250	120	8-18	250	210	8-18
DN150	225	35	50	40	285	240	8-23	285	240	8-23
DN200	325	35	50	40	340	295	12-23	340	295	8-23
DN250	325	35	60	35	405	355	12-27	395	350	12-23
DN300	325	35	60	35	460	410	12-27	445	400	12-23
DN350	325	35	60	40	520	470	16-27	505	460	16-23
DN400	325	35	50	40	580	525	16-30	565	515	16-27

All dimensions in millimetres unless stated otherwise. Values are nominal; tolerances confirmed at quote.