



TECHNICAL DATASHEET

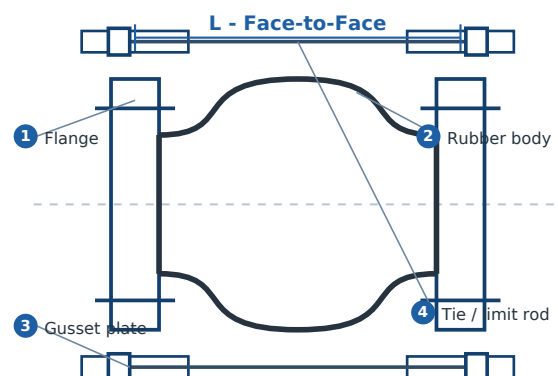
Restrained Rubber Expansion Joint with Tie Rods

Flanged rubber joint with adjustable restraint | Standard supply + fast custom production

Representative restrained configuration



Restraint arrangement schematic



Key Supply & Configuration Data

Configuration	Single- or double-sphere rubber body with external restraint hardware to project requirement
Size Range	Common sizes from DN25-DN300; larger and custom sizes available to approved requirements
Working Pressure	PN10 / PN16 common reference; final rating confirmed by DN, body, flange and restraint configuration
Rubber Options	EPDM / NBR / NR / CR / other compounds according to medium and service conditions
Flange Standards	GB / DIN / EN / ASME-ANSI / JIS / BS; drilling to specified standard or approved drawing
Flange Options	Carbon steel / galvanized steel / stainless steel / project-specific
Movement	Axial / lateral / angular movement within the selected restraint setting and piping design
Face-to-Face	Standard or custom length to approved drawing
Production	Common configurations in stock + fast custom production

Stock & Custom Production

- Common sizes and standard restrained configurations are kept in stock for immediate shipment.
- Custom production can start the same day after drawing and specification confirmation.
- Rubber, flange, length and restraint hardware can be customized to approved drawings.



TECHNICAL DATASHEET

Restraint & Project Selection Reference

Selection inputs for the rubber body, flange interface and external restraint arrangement.

Nominal Size	DN / NPS	Common stock range + custom size to approved requirement
Rubber Body	Single / double sphere / approved special form	Selected for movement, service and installation envelope
Working Pressure	PN / Class / actual working pressure	Complete joint and restraint reviewed together
Medium / Fluid	Water / sewage / air / oil / chemical / other	Rubber compound selected for actual service
Operating Temperature	Minimum / normal / maximum	Material and pressure rating confirmed for service condition
Face-to-Face Length	Required L	Standard or custom assembly length
Movement Requirement	Axial / lateral / angular	Allowable movement confirmed with selected rod setting
Flange Standard	GB / DIN / EN / ASME-ANSI / JIS / BS	Drilling and dimensions to specified standard or drawing
Restraint Function	Limit movement / continuous axial restraint	Limit-rod or tie-rod arrangement selected to piping requirement
Rod & Plate Design	Quantity / size / plate geometry / gap setting	Confirmed by DN, pressure thrust, movement and approved drawing
Materials / Coating	Flange / rods / plates / nuts / finish	Carbon steel, galvanized, stainless or project-specific options
Drawing & Quantity	CAD / sketch / sample / quantity	Fast custom production after specification confirmation

Engineering Note

Restraint hardware is selected as part of the complete joint and piping condition. Rod quantity, rod size, plate geometry and nut/gap setting are confirmed for the selected DN, pressure, movement requirement and anchoring arrangement. Do not treat one restraint layout as universal for all projects.

Available Configuration

Rubber	EPDM / NBR / NR / CR / other compatible compounds
Flanges	GB / DIN / EN / ASME-ANSI / JIS / BS; carbon steel / galvanized / stainless
Restraint Hardware	External limit/tie rods, nuts, plates and project-specific hardware arrangement
Supply	Stock items for immediate shipment; custom production after drawing confirmation

For Quotation

Please provide DN/NPS, flange standard/class, medium, working pressure, operating temperature, face-to-face length, required movement, restraint requirement, quantity and drawing if available.

For detailed technical requirements, custom configurations or project questions, please contact us.