

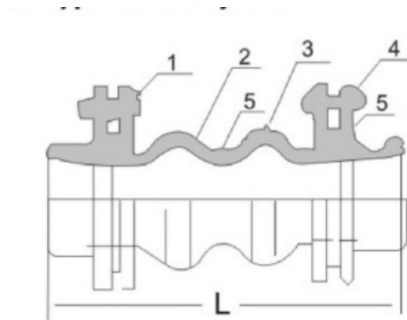


JGD-B Restrained Threaded Rubber Expansion Joint

Threaded union rubber joint with external restraint | Standard stock + fast custom production



JGD-B restrained threaded configuration



Structural / dimensional drawing

Key Supply & Configuration Data

Catalog Size Range	DN15-DN80 / 1/2-3 inch
Connection	Threaded union connection with external restraint hardware; final thread form and engagement dimensions confirmed by order specification or drawing
Face-to-Face L	203 mm for DN15-DN50; DN65: 265 mm; DN80: 285 mm
Working Pressure	16 bar / 232 psi catalog reference
Rubber Materials	Neoprene / NBR / EPDM
Reinforcement	Nylon cord fabric + steel wire pressurized ring
Metal Parts	Bolt-on flange: malleable iron Bolts / nuts: low carbon steel
Movement	Axial extension / axial compression / lateral displacement / 45 deg angular deflection
Restraint Function	External hardware limits excessive joint movement; final restraint arrangement is confirmed for the project

Drawing Key

- | | |
|------------------------|--------------------|
| 1 Bolt-on flange | 4 Bolts / nuts |
| 2 Key frame | 5 Pressurized ring |
| 3 Outer / inner rubber | |

Stock & Custom Production

- Common sizes: fast supply / immediate shipment.
- Custom production can start after drawing confirmation.
- Thread interface, L, rubber and restraint hardware can be customized.



Technical Conditions & Size Reference

JGD-B restrained threaded catalog data. Final thread and restraint configuration is confirmed for the actual project.

Technical Conditions

Working Pressure	16 bar / 232 psi
Bursting Pressure	48 bar / 696 psi
Vacuum Rating	400 mmHg
EPDM Temperature	-10 to +90 C
NBR Temperature	-10 to +80 C
Neoprene Temperature	-10 to +90 C
Applicable Media	Air / water / oil / acid / alkali / sea water

Catalog temperature values are material-specific. Confirm pressure, temperature, medium and restraint requirements for the final configuration.

Main Connection Dimensions

L / movement in mm | Angular deflection in degrees

DN	Inch	L	Axial Extension	Axial Compression	Lateral Movement	Angular Deflection
15	1/2	203	5-6	22	22	45
20	3/4	203	5-6	22	22	45
25	1	203	5-6	22	22	45
32	1 1/4	203	5-6	22	22	45
40	1 1/2	203	5-6	22	22	45
50	2	203	5-6	22	22	45
65	2 1/2	265	8-10	24	24	45
80	3	285	8-10	24	24	45

Selection & Quotation Note

Movement values are size-specific catalog references. Maximum axial, lateral and angular movements should not be assumed to occur simultaneously. The external restraint arrangement must be reviewed with the piping anchors/supports and project load condition. For quotation, provide DN/thread size, medium, pressure, temperature, required L, restraint requirement, quantity and drawing or sample details.

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