



MINGCHAO
— FLUID TECHNOLOGY —

河南铭朝流体科技有限公司

COMMON PRODUCTS SELECTION GUIDE

Rubber Joints, Dismantling Joints,
Bellows Compensators & Metal Hoses



RELIABLE
PERFORMANCE



PREMIUM
QUALITY



ENGINEERED
SOLUTIONS



GLOBAL
SUPPORT



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Catalog
Contact Us



QUICK PRODUCT SELECTION GUIDE

Find the right product according to your piping system requirements

1 SELECT BY APPLICATION

CUSTOMER NEED	RECOMMENDED PRODUCT	
 Vibration isolation and noise reduction		Flexible Rubber Joint (Full Bore) / KXT
 Higher movement compensation		KST Double Sphere Rubber Joint
 Different pipe diameters		JDX Reducing Rubber Joint
 Suction or vacuum service		Vacuum-Resistant Rubber Joint
 Corrosive media		PTFE-Lined Rubber Joint
 Valve installation and dismantling		B2F Telescopic Joint / C2F Dismantling Joint
 Thermal expansion compensation		JDZ Bellows Compensator
 Flexible equipment connection		Stainless Steel Metal Hose

2 CUSTOMIZATION AVAILABLE



Size & Length Customized



Flange Drilling & Standards



Rubber Material Selection



Pressure Rating Options



End Connection Type



Finish, Marking & Packaging



Special Requirements According to Drawings or Working Conditions



We support customized solutions to meet your specific needs.
Feel free to contact us for details.

3 FOR FASTER QUOTATION, PLEASE PROVIDE



Product Type (Or Application)



Size (DN)



Pressure Rating (PN / CLASS)



Flange Standard (ANSI / DIN / JIS etc.)



Material (Body & Rubber)



Medium & Temperature



Quantity



Application & Destination Country



The more details you provide, the faster and more accurate our quotation will be.

Restrained Rubber Expansion Joint

Vibration isolation, noise reduction and movement compensation for piping systems



With limit tie rods



Product Overview

Flexible rubber body with external control or limit rods for vibration isolation and controlled piping movement. Allowable axial, lateral and angular movement depends on rod design, gap settings and the approved piping arrangement.



Key Specifications

Size Range	DN25-DN300 common sizes; larger sizes on request
Pressure Rating	PN10 / PN16
Flange Standards	Chinese GB PN10 / PN16, Japanese JIS 5K / 10K, ANSI 150LB
Rubber Materials	EPDM / NBR / NR / CR
Flange Materials	Carbon Steel / Galvanized Steel / Stainless Steel
Suitable Media	Water, wastewater, air, oil and mild chemical media
Movement Types	Within the selected restraint settings



Applications

- Chemical industry
- Construction
- Water supply
- Drainage
- Oil
- Light and heavy industry
- Refrigeration
- Sanitation
- Plumbing
- Fire protection
- Power engineering



Key Features



Compact and Lightweight

Small size and light weight for easy installation and handling.



High Elasticity and Good Sealing

High elastic rubber structure ensures tight sealing and reliable performance.



Absorbs Vibration and Noise

Effectively reduces pipeline vibration and noise for quieter operation.

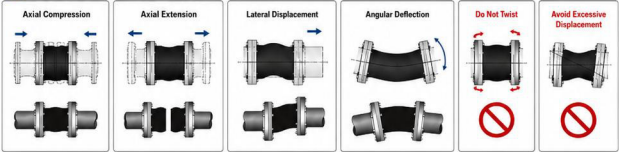


Compensates Movement and Minor Misalignment

Accommodates axial, lateral, and angular movement to protect piping and equipment.



Typical Movement Capability



Movement depends on the restraint configuration. Contact us for selection and dimensions.

KXT Single Sphere Flexible Rubber Joint

Compact vibration isolation and movement compensation solution for piping systems

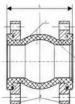


Single sphere design



Product Overview

KXT single sphere flexible rubber joints are designed to absorb vibration, reduce noise, and compensate for axial, lateral, and angular movement in piping systems. Their compact structure, good elasticity, and reliable sealing performance make them suitable for a wide range of industrial and building-service applications. Custom dimensions and flange options are available upon request.



Key Specifications

Size Range	DN32–DN1200
Available Length L	95–260 mm, selected by DN; see dimensional table
Axial Extension	6–18 mm
Axial Compression	9–26 mm
Lateral Displacement	9–24 mm
Angular Deflection	15°
Flange Standards	GB / HG / ANSI / DIN / BS / EN / JIS; drilling to project requirements
Rubber Materials	NR / EPDM / CR / IIR / NBR / FKM (Viton)
Customization	Special requirements can be produced according to drawings



Applications

- Chemical industry
- Construction
- Water supply
- Drainage
- Oil
- Light and heavy industry
- Refrigeration
- Sanitation
- Plumbing
- Fire protection
- Power engineering



Key Features



Compact Single-Sphere Design

Compact structure for easy installation and maintenance.



High Elasticity and Reliable Sealing

Flexible rubber body provides good sealing and dependable performance.



Absorbs Vibration and Noise

Helps reduce pipeline vibration and operating noise.



Compensates Movement

Accommodates axial, lateral, and angular movement to protect piping and equipment.



Typical Movement Capability

Axial Compression



Axial Extension



Lateral Displacement



Angular Deflection



Do Not Twist



Avoid Excessive Displacement

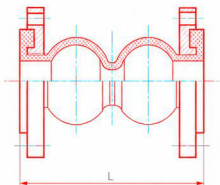


 For suspended water supply applications above DN200, fixed supports or pull-off protection are recommended.

 For more detailed dimensional data and pressure options, please contact us for the full catalog.

KST Double Sphere Rubber Joint

Enhanced flexibility, vibration isolation and movement compensation for piping systems



KEY SPECIFICATIONS

Product Type	Double Sphere Rubber Joint
Model	KST
Size Range	DN40 to DN600
Available Length L	165 mm to 400 mm depending on size
Axial Extension	30 to 35 mm
Axial Compression	50 to 60 mm
Lateral Displacement	35 to 45 mm
Angular Deflection	30° to 40°
Flange Standards	GB / HG / ANSI / DIN / BS / EN / JIS; confirm drilling
Rubber Materials	NR, EPDM, CR, IIR, NBR, Viton
Structure	Double sphere rubber body with flanged ends



PRODUCT OVERVIEW

The KST Double Sphere Rubber Joint is designed for vibration isolation, noise reduction and compensation of axial, lateral and angular movement in piping systems. Its double-sphere design provides higher flexibility and greater movement capability than a single-sphere joint, helping protect pumps, valves and connected equipment while reducing pipeline stress.



APPLICATIONS

- Water supply and drainage
- Pump and valve connections
- HVAC and building services
- Industrial piping
- Water treatment systems
- General utility piping

KEY FEATURES



1. Higher Flexibility

Double-sphere structure provides enhanced movement capability.



2. Vibration & Noise Reduction

Helps reduce transmission of vibration and operational noise.



3. Movement Compensation

Absorbs axial, lateral and angular movement.



4. Reliable Sealing

Flexible rubber body provides stable sealing performance.



5. Broad Standard Options

Available with multiple flange standards and rubber materials.

MOVEMENT PRINCIPLES (SCHEMATIC)

1. Axial Extension



Allows the pipeline to expand axially.

2. Axial Compression



Allows the pipeline to compress axially.

3. Lateral Displacement



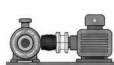
Accommodates side-to-side pipeline movement.

4. Angular Deflection



Allows angular movement between connected pipes.

5. Equipment Protection



Helps protect pumps, valves and equipment from stress and vibration.



TECHNICAL NOTES

- For suspended water supply service above DN200, the pipeline should be fixed or supported, or an anti-pull-off device should be installed.
- Mating flange facing and drilling must match the selected joint.
- Detailed dimensional data and full technical parameters are available in the full catalog or technical datasheet.

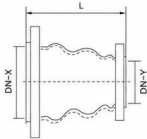
JDX Concentric Reducing Rubber Joint

Flexible reducing connection for pipelines with different nominal diameters



Product Overview

JDX reducing flexible rubber joints are designed for connecting pipelines with different nominal diameters while absorbing vibration, reducing noise, and compensating for axial, lateral, and angular movement. Their flexible reducing structure provides reliable sealing and smooth transition between pipe sizes, making them suitable for a wide range of industrial and building-service applications.



Key Specifications

Size Range	DN50×32 to DN600×500
Available Length L	180 / 200 / 220 / 240 mm
Axial Extension	20–28 mm
Axial Compression	30–38 mm
Lateral Displacement	40–45 mm
Angular Deflection	26°–35°
Joint Type	Reducing flexible rubber joint
Typical Use	Connecting different pipe diameters
Customization	Custom dimensions available upon request

Applications

- Chemical industry
- Construction
- Water supply
- Drainage
- Pump outlet
- Equipment connection
- HVAC systems
- Industrial piping
- Plumbing
- Water treatment

Key Features



Reducing Connection
Connects pipes with different diameters efficiently.



High Elasticity and Reliable Sealing
Flexible rubber body provides dependable sealing performance.



Absorbs Vibration and Noise
Helps reduce pipeline vibration and operating noise.



Compensates Movement
Accommodates axial, lateral, and angular movement to protect piping and equipment.

Typical Movement Capability

Axial Compression

Axial Extension

Lateral Displacement

Angular Deflection

Do Not Twist

Avoid Excessive Displacement

⚠ For sizes above DN200 used in high-pressure or high-rise building applications, fixed supports or anti-pull-off protection are recommended.

i For more detailed dimensional data and pressure options, please contact us for the full catalog.

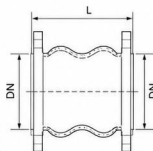
Vacuum-Resistant Rubber Expansion Joint

Designed for suction lines, negative pressure service and vacuum piping systems



Product Overview

This vacuum-resistant rubber expansion joint is designed to resist suction and negative pressure conditions where external pressure can exceed internal pressure, helping prevent collapse or deformation of the rubber body. It also provides vibration isolation, noise reduction, sealing, and compensation for axial, lateral, and angular movement in piping systems. Rubber compounds can be selected according to media and service conditions, and vacuum-resistant ball construction is recommended for vacuum service.



Key Specifications

Product Type	Vacuum-resistant / negative pressure rubber expansion joint
Positive Pressure	0.6 / 1.0 / 1.6 / 2.5 MPa
Function	Resists suction and prevents collapse under vacuum or negative pressure
Flange Standards	Flange drilling and facing to confirmed project requirements
Suitable Media	Water, oil, corrosive media and heat-resistant service, depending on compound selection
Installation	Tighten bolts diagonally; use limit bolts for high-pressure service
Support Recommendation	Elastic supports for overhead service; fixed supports recommended where needed
Vacuum Use	Allowable vacuum to be confirmed for size, temperature and construction



Applications

- Pump suction lines
- Vacuum piping
- Water supply
- Drainage
- Industrial piping
- Building services
- Chemical service
- Refrigeration
- Sanitation
- Plumbing
- Fire protection
- Power engineering



Key Features



Vacuum / suction resistance

Special rubber construction resists suction and prevents collapse of the rubber body under negative pressure.



High sealing reliability

Excellent sealing performance prevents leakage and ensures reliable service for a wide range of media and operating conditions.



Vibration and noise reduction

Absorbs vibration and reduces pipeline noise for improved system efficiency and operator comfort.



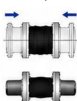
Movement compensation and easy installation

Compensates axial, lateral, and angular movements. Lightweight and easy to install and maintain.



Typical Movement Capability

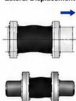
Axial Compression



Axial Extension



Lateral Displacement



Angular Deflection



Do Not Twist



Avoid Excessive Displacement



For vacuum or high-pressure service, select the proper body construction and provide adequate support or anti-pull-off protection when required.



For more detailed dimensional data and pressure options, please contact us for the full catalog.

PTFE-Lined Rubber Expansion Joint

Corrosion-resistant flexible joint for chemical and aggressive media service



Product Overview

PTFE-lined rubber expansion joints combine the flexibility, vibration resistance, and movement compensation of a rubber expansion joint with the chemical resistance of a PTFE lining. They are suitable for piping misalignment, vibration points, and media transfer lines where strong corrosion resistance is required. Widely used for acids, alkalis, organic solvents, and many corrosive media in chemical process piping.



Key Specifications

Product Type	PTFE-lined rubber expansion joint
Structure	Flexible rubber joint with PTFE lining
Key Benefit	Combines flexibility with excellent chemical resistance
Temperature Resistance	To confirmed assembly rating
Suitable Media	Acids, alkalis, organic solvents and many corrosive media
Typical Use	Chemical pipelines, tank inlet/outlet lines, process piping, tanker connections
Performance	Vibration isolation, flexural resistance, friction resistance and sealing
Corrosion Resistance	Suitable for a wide range of aggressive media
Customization	Flange standards and dimensions available upon request



Applications

- Chemical industry
- Process piping
- Acid and alkali service
- Storage tanks
- Tanker truck connections
- Wastewater treatment
- Industrial piping
- Plant maintenance
- Equipment connection
- Transfer lines



Key Features



PTFE corrosion-resistant lining

PTFE lining provides excellent chemical stability and protects against aggressive media.



High-temperature and chemical resistance

Operating temperature depends on the rubber body, lining, pressure and medium. Confirm the complete assembly rating.



Vibration absorption and flexible sealing

Rubber body absorbs vibration and noise while ensuring leak-tight sealing.



Movement compensation for piping systems

Accommodates axial, lateral, and angular movements to protect piping and connected equipment.



Typical Movement Capability

Axial Compression



Axial Extension



Lateral Displacement



Angular Deflection



Do Not Twist



Avoid Excessive Displacement



Select the correct lining and rubber body construction according to the actual medium, temperature and operating conditions.



For more detailed dimensional data and pressure options, please contact us for the full catalog.

VSSJA-2 (B2F)

Double Flange Limited Telescopic Joint

Axial expansion compensation and easy installation for pumps, valves and pipeline systems



PRODUCT OVERVIEW

The VSSJA-2 (B2F) is a double flange limited telescopic joint designed to absorb axial movement in pipelines. It uses a limiting structure (limit studs and nuts) to control the maximum extension, protecting pipelines, valves and equipment from excessive movement. The double flange design with a follower facilitates installation and disassembly of pumps and valves. It is widely used in water supply and drainage, wastewater treatment, industrial piping and pump/valve connections.



APPLICATIONS

- Water supply systems
- Drainage and sewage systems
- Wastewater treatment plants
- Pump installation and connections
- Valve connections
- Industrial pipelines
- Municipal engineering
- Fire protection systems



KEY FEATURES



Easy Installation & Maintenance

Double flange with follower simplifies installation and facilitates removal of valves and pumps.



Axial Expansion Compensation

Effectively absorbs pipeline axial movement to reduce stress and extend service life.



Limited Design for Equipment Protection

Limit studs and nuts control the maximum extension to prevent over-expansion and protect the system.



Wide Size Range & Customizable Flanges

DN65-DN3600 with 0.6 MPa / 1.0 MPa options. Flange dimensions and drilling available upon request.



STRUCTURE & SERVICE ADVANTAGES

1 Axial Compensation



Accommodates axial expansion/contraction to reduce pipeline stress.

2 Limit Studs



Limit studs and nuts restrict maximum extension for safe and reliable operation.

3 Easy Dismantling



Follower and flanged structure allow quick disassembly of valves and pumps.

4 Sealing Gasket



High-quality elastomer gasket ensures excellent sealing and leak prevention.

5 Wide Application



Suitable for water, wastewater, industrial piping, pump and valve connections.

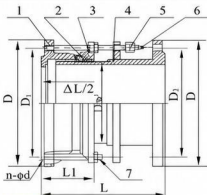


Dimensions and drilling to approved project requirements



Detailed dimensional data and flange drilling tables are available in the full catalog.

All specifications are subject to change without prior notice.



PART LIST (Callout Legend)

No.	Part	Material
1	Valve body	QT450-10 / Q235A
2	Gasket	NBR / EPDM / CR
3	Follower	QT450-10 / Q235A
4	Limited short pipe	Q235A
5	Nut	Q235A / 20#
6	Long stud	Q235A / 35#
7	Short stud	Q235A / 35#



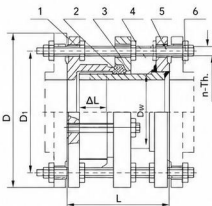
KEY SPECIFICATIONS

Product Type	Double flange limited telescopic joint
Model	VSSJA-2 (B2F)
Size Range	DN65-DN1600; larger sizes on request
Specification	To approved project requirements
Compensation Length	50 / 65 / 130 / 150 mm (depending on size)
Structure	Double flange body with follower, gasket and limit studs
Main Materials	Body / follower: QT450-10 or Q235A Gasket: NBR / EPDM / CR Studs & nuts: Q235A / 20# / 35#
Pressure Options	0.6 MPa / 1.0 MPa
Function	Axial compensation and limited expansion control
Customization	Flange dimensions and drilling available upon request

VSSJAF (C2F)

Double Flange Dismantling Joint

Easy installation, disassembly and force transmission for pumps, valves and pipeline systems



PART LIST (Callout Legend)

No.	Component	Material
1	Valve body	QT450-10 / Q235A
2	Gasket	NBR / EPDM / CR
3	Follower	QT450-10 / Q235A
4	Limited short pipe	Q235A
5	Stud	Q235A / 35#
6	Nut	Q235A / 20#



PRODUCT OVERVIEW

The VSSJAF (C2F) is a double flange dismantling joint designed to facilitate installation and removal of valves and pumps while transmitting pipeline thrust.

The telescopic structure allows controlled adjustment during installation and maintenance.

It is widely used in water supply and drainage, wastewater treatment, industrial piping, municipal engineering, and pump/valve connections.



APPLICATIONS

- Water supply systems
- Drainage and sewage systems
- Wastewater treatment plants
- Pump installation and connections
- Valve connections
- Industrial pipelines
- Municipal engineering
- Fire protection systems



KEY SPECIFICATIONS

Product Type	Double flange dismantling joint
Model	VSSJAF (C2F)
Size Range	DN65-DN3200
Specification	To approved project requirements
Adjustment Length	40 / 50 / 60 / 80 mm (depending on size)
Structure	Double flange body with follower, gasket, limited short pipe, studs and nuts
Main Materials	Body / follower: QT450-10 or Q235A; Gasket: NBR / EPDM / CR; Stud: Q235A / 35#; Nut: Q235A / 20#
Pressure Options	0.6 MPa / 1.0 MPa
Function	Easy dismantling, installation adjustment and force transmission
Customization	Flange drilling and dimensions available upon request



KEY FEATURES



1. Easy Installation & Maintenance

Double flange design simplifies installation and facilitates removal of valves and pumps.



2. Force Transmission

Helps transmit axial thrust and protect connected equipment and pipelines.



3. Adjustable Structure

Telescopic structure provides installation adjustment and maintenance convenience.



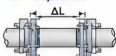
4. Wide Size Range & Customizable Flanges

DN65-DN3200 with 0.6 MPa / 1.0 MPa options. Flange drilling available upon request.



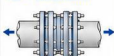
STRUCTURE & SERVICE ADVANTAGES

1 Installation Adjustment



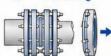
Telescopic adjustment accommodates installation tolerances.

2 Force Transmission



Effectively transmits axial thrust and protects pipelines and equipment.

3 Easy Dismantling



Dismantling without cutting pipes saves time and reduces maintenance cost.

4 Reliable Sealing



High-quality gasket ensures tight sealing and leak prevention.

5 Wide Application



Suitable for water, sewer, industrial, municipal and fire protection systems.



Dimensions and drilling to approved project requirements



Detailed dimensional data and flange drilling tables are available in the full catalog.



All specifications are subject to change without prior notice.

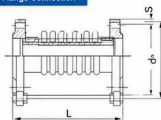
JDZ Internal Pressure Axial Metal Expansion Joint

Axial expansion compensation for industrial piping systems

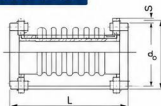
PROJECT CONFIGURATION



Flange Connection



Grooved Connection



Note: S = axial compensation; d_b = bellows outside diameter;
L = installed length

KEY SPECIFICATIONS

Product Type	Internal Pressure Axial Corrugation Compensator
Model Code	JDZ
Specification	Project specification
Design Temperature	-20°C to +400°C
Design Pressure	0.25 MPa to 2.5 MPa
Movement Direction	Axial (small lateral and angular movement)
Size Range	DN32-DN350 published; larger sizes on request
Connection Options	Flange connection / Grooved connection
Customization	Wave number, length and materials available upon request



PRODUCT OVERVIEW

The JDZ metal bellows expansion joint accommodates axial thermal expansion and contraction in piping systems. Final design, materials, movement and pressure rating are confirmed for the operating temperature and piping arrangement. Provide suitable anchors and guides and account for pressure thrust.



APPLICATIONS

- Thermal pipelines (steam, hot water, thermal oil)
- Industrial piping systems (power, chemical, petrochemical)
- HVAC and district heating systems
- Municipal engineering
- Pump and valve connections
- General process piping



KEY FEATURES



Axial Compensation

Effectively absorbs axial expansion and contraction of pipelines.



Pressure Resistance

Internal pressure design with strong load-bearing capacity.



Temperature Resistance

Operates reliably from -20°C to +400°C.



Compact Structure

Reasonable design, compact size and easy installation.



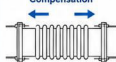
Optional Grooved Connection

Available with grooved connection for fast and reliable installation.



FUNCTIONAL BENEFITS

Axial Movement Compensation



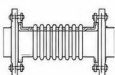
Absorbs axial expansion and contraction.

Pressure-Bearing Bellows



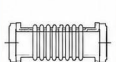
Multi-ply corrugation provides high pressure resistance.

Flange Installation



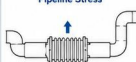
Secure flange connection for reliable sealing.

Grooved Installation



Grooved connection for quick assembly.

Reduction of Pipeline Stress



Reduces pipeline stress and protects equipment.



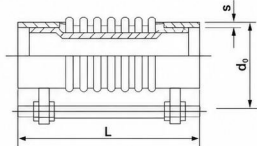
Provide suitable anchors and guides. Confirm pressure thrust, movement, temperature and connection ratings.

Grooved Bellows

Flexible axial compensation with grooved-end connection for fast installation



GROOVED CONNECTION - AXIAL TYPE



Grooved Connection
(Axial Type)

PRODUCT OVERVIEW

Grooved Bellows are designed to provide reliable axial compensation in piping systems while reducing stress caused by thermal expansion and contraction. Featuring grooved-end connections for fast, secure installation, these bellows are ideal for vibration-sensitive applications. The corrugated bellows structure, combined with external limit rods, ensures stable performance under pressure and extends service life.

APPLICATIONS

- HVAC systems
- Fire protection systems
- Building services and utilities
- Industrial piping systems
- Pump and equipment connections
- Vibration-sensitive piping applications
- Thermal expansion compensation

KEY SPECIFICATIONS

Product Type	Grooved Bellows
Connection Type	Grooved-end connection
Design Temperature	-20°C to +400°C
Design Pressure	0.25 MPa to 2.5 MPa
Movement Direction	Axial (small lateral and angular movement)
Size Range	DN32 to DN350
Structure	Corrugated bellows with grooved ends and limit rods
Applications	HVAC systems, fire protection, building services, industrial piping, pump connections
Customization	Different wave numbers, lengths and materials available upon request

KEY FEATURES



Fast Installation

Grooved ends enable quick and secure installation without welding.



Axial Compensation

Effectively absorbs axial movement caused by thermal expansion and contraction.



Pressure Resistance

Designed to withstand pressures from 0.25 MPa to 2.5 MPa reliably.



Temperature Resistance

Wide operating range from -20°C to +400°C suitable for demanding conditions.



Reduced Pipe Stress

Minimizes stress and protects piping, equipment and connections from damage.

FUNCTIONAL BENEFITS

GROOVED CONNECTION



Grooved ends ensure secure, leak-tight connections and reduce installation time.

AXIAL COMPENSATION



Absorbs axial movement to protect the piping system from thermal expansion.

EASY INSTALLATION



Quick alignment and tightening reduce labor time and installation costs.

VIBRATION REDUCTION



Corrugated bellows structure dampens vibration and improves system stability.

MAINTENANCE CONVENIENCE



Easy inspection and replacement help reduce downtime and maintenance costs.



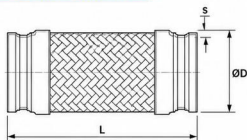
Confirm the complete assembly rating, including grooved couplings and seals, for pressure and temperature.

Grooved Metal Hose

Flexible vibration isolation and movement compensation with grooved-end connection



TECHNICAL DRAWING



Grooved-end connection

PRODUCT OVERVIEW

The Grooved Metal Hose is a flexible connection solution designed to absorb vibration, accommodate movement and reduce noise and stress in piping systems. Constructed from corrugated metal hose with an external braid and grooved-end connections, it provides excellent pressure resistance, durability and reliability. Ideal for pumps, equipment and dynamic piping connections in HVAC, fire protection, building services and industrial applications.

APPLICATIONS



HVAC systems (chilled water, hot water, condenser water)



Fire protection systems (pump suction and discharge lines)



Building services and plumbing systems



Pumps, compressors and mechanical equipment connections



Industrial piping systems with vibration and movement

KEY SPECIFICATIONS

Product Type	Grooved Metal Hose
Connection Type	Grooved-end connection
Design Temperature	To confirmed assembly rating
Design Pressure	0.25 MPa to 2.5 MPa
Movement Direction	Bending / lateral offset within approved installation limits
Size Range	DN32 to DN350
Structure	Corrugated metal hose with external braid and grooved ends
Applications	HVAC systems, fire protection, building services, pump and equipment connections, industrial piping
Customization	Different lengths, braid configurations and materials available upon request

KEY FEATURES



VIBRATION ISOLATION
Absorbs vibration and reduces noise transmission

BENDING / OFFSET WITHIN RATED LIMITS

FLEXIBLE CONNECTION
Accommodates movement through bending within the rated bend radius.



PRESSURE BEARING
Corrugated structure with braid reinforcement for reliable pressure capacity



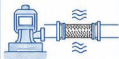
TEMPERATURE RESISTANCE
Assembly temperature depends on hose, couplings and seals.



QUICK INSTALLATION
Grooved-end connection enables fast and secure installation

FUNCTIONAL BENEFITS

VIBRATION ABSORPTION



Reduces vibration from equipment

FLEXIBLE MOVEMENT

Bending and lateral offset within rated limits

Confirm live length, bend radius and installation geometry.

GROOVED INSTALLATION



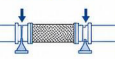
Grooved-end connection for fast and reliable assembly

EQUIPMENT CONNECTION



Ideal for pumps and equipment piping

REDUCED PIPE STRESS



Minimizes stress on piping and equipment



Do not use braided hose for direct axial compression or extension. Confirm the installation arrangement.

JR STAINLESS STEEL METAL HOSE

Flexible Connection Solutions for Piping Systems

JR 不锈钢金属软管

Project-specific configuration



CORROSION RESISTANT
Stainless steel 304/316L construction



FLEXIBLE CONNECTION
Absorbs vibration; permits controlled bending movement

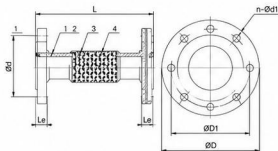


WIDE RANGE
DN8-DN400
Pressure to selected assembly rating



EASY INSTALLATION
Flanged connection for secure and leak-proof installation

CONSTRUCTION



No.	Part Name	Material
1	Flange	Stainless Steel 304/316
2	Connection Neck	Stainless Steel 304/316
3	Braid	Stainless Steel 304
4	Corrugated Hose	Stainless Steel 304/316L

DIMENSIONS & MINIMUM BENDING RADIUS

DN	Inside dia. (mm)	Hose OD (mm)	OD with braid (mm)	Static radius (mm)	Dynamic radius (mm)
8	8.8	13.2	14.4	50	110
10	11.7	16.5	17.7	65	145
15	13.5	19.5	21.1	80	180
20	20	27	28.6	120	270
25	27	34.5	36.1	160	360
32	32	40	41.6	175	400
40	39.6	52	53.6	225	510
50	49.7	62	63.6	280	640
65	61.2	80.2	81.8	410	915
80	79	96.3	97.9	486	1030
100	101.2	119.6	121.2	610	1340
125	124.1	145.3	146.9	700	1540
150	149.4	180.8	182.4	810	1780
200	176	240	243.2	1000	2000
250	248	290	294	1250	2500
300	298	350	354	1500	3000
350	347	400	404.8	1750	3500
400	397.6	460	464.8	2000	4000

Reference dimensions. Allowable pressure depends on DN, braid, temperature and end fittings. Confirm the complete assembly rating before ordering.

TYPICAL APPLICATIONS



Power Plant



Heating & HVAC



Marine & Shipbuilding



Water Treatment

FEATURES & BENEFITS

- ☒ Flexible connection for vibration isolation and controlled bending movement
- ☒ High pressure resistance and corrosion resistance
- ☒ Long service life with durable stainless steel construction
- ☒ Easy installation and maintenance
- ☒ Custom lengths and end connections available

CONNECTION OPTIONS



STANDARDS

Design and test requirements are confirmed for the selected hose assembly and project.