



Jointand®

Jointand Pipe Joint

Technical Manual



**Trust-Worthy Quality
Couplings
for All Pipe Materials.**

Jointand company was established in 1997, set up R&D and production base in Suzhou Industrial Park in 2003, has superior production equipment and advanced testing means, sets up complete quality assurance system and has passed GB/T19001-2016/ISO9001:2015 quality system made by Junyou Credit Quality Certification Co., Ltd. Through constant exploration of more than ten years, the company has successfully researched and developed various series of pipe joint of Jointand brand with independent intellectual property rights and make up design and manufacturing blank for this type of product in China, and products have obtained multiple national patent certificates, national special equipment manufacturing license, China and foreign classification society type approval certificate and firefighting product type approval. Design concept for various series of Jointand products is to manufacture stainless steel and rubber into components assembly device to reach seal and pressure bearing function, so that products can be widely applied for pipeline connection of various materials of petroleum, chemical engineering, shipbuilding ocean platform, light industry, medicine, food, and building. The powerful product R&D ability, scientific production management system and complete after-sales service enable Jointand pipe joint to be world-class product, currently, it has been widely applied in multiple industries for military use and civil use, at the same time, it is sold to Europe, Middle East and North America, superior product and good after-sales service win good graces and praises from wide customers.

**We promise:
5-year quality assurance if Jointand
pipe joint is used within the allowed
conditions and range!**



Jointand HG pipe joint

(Can withstand sliding sleeve joint with medium and high pressure limit)

Anti-axial tension joint, applicable for all metal material pipeline connection

—Working pressure can reach PB50bar (730psi) at most

—Joint specification

26.9mm (1.050inch) – 323.9mm (12.75inch)



Jointand GL pipe joint

(Can withstand sliding sleeve joint with medium and low pressure limit)

Anti-axial tension joint, applicable for all metal material pipeline connection

—Working pressure can reach PB20bar (290psi) at most

—Joint specification

20.0mm (0.787inch) – 323.9mm (12.75inch) and 630mm (24.80inch) at most



Jointand GE pipe joint

(Can withstand sliding sleeve joint with low pressure limit)

Anti-axial tension joint, applicable for all metal material pipeline connection

—Working pressure can reach PB16bar (232psi) at most

—Joint specification

20.0mm (0.787inch) – 323.9mm (12.75inch) and 630mm (24.80inch) at most



Jointand ZL pipe joint

(Can withstand sliding sleeve joint with low pressure limit and of narrow type)

Anti-axial tension joint, applicable for all metal or plastic pipe connection

—Working pressure can reach PB16bar (232psi) at most



Jointand FS pipe joint

(Can withstand sliding sleeve joint with medium pressure limit and fire protection & heat insulation)

Anti-axial tension joint, applicable for all metal material pipeline connection

—Working pressure can reach PB20bar (290psi) at most

—Joint specification

26.9mm (1.050inch) – 219.1mm (8.625inch)



Jointand PE pipe joint

(Can withstand pipeline joint with medium and low pressure limit and plasticity)

Anti-axial tension joint, applicable for all plastic material pipeline connection

—Working pressure can reach PB16bar (232psi) at most

—Joint specification

20.0mm (0.787inch) – 800.0mm (31.496inch)



Jointand FLEX pipe joint

(Can withstand sliding sleeve joint with medium and high pressure limit and compensator)

No axial tensile, applicable for metal, and composite material pipeline connection

—Working pressure can reach PB20bar (290psi) at most

—Joint specification

26.9mm (1.050inch) – 1620mm (63.78inch) and 4000mm (157.48inch) at most



Jointand R-FLEX pipe joint

(It can withstand repair joint with medium and high pressure limit and able to be opened).

No axial tensile, applicable for metal, and composite material pipeline connection and repair

—Working pressure can reach PB20bar (290psi) at most

—Joint specification

26.9mm (1.050inch) – 1620mm (63.78inch) and 4000mm (157.48inch) at most



Jointand Product Advantages



- **Universality:**
Applicable for any pipe material, can connect pipeline with different materials, malalignment axis, and different diameters, and applicable for rapid repair
- **Economical efficiency:**
Pipe end can be connected without processing, thin-wall and thick-wall pipes are both suitable, installation is easy, and construction expense can be reduced sharply.
- **Reliability:**
Can compensate axial displacement and angle deviation, rubber ring lip-shaped structure can rise with pressure, and sealing effect is increased.

- **Ship pipeline connection and repair application:**

Stability and reliability are strengthened after flexible connection, flange weight is reduced by 75%, volume is reduced by 50% and noise is lowered by 60% – 80%

- **Application in pipeline engineering of oil transmission, gas transmission, water supply/drainage**

pipeline connection construction becomes more convenient, reliable, and secure, avoids fire operation, allows alternate angle and variable axle, and can connect pipe materials with different wall thicknesses.

Product surface material can prevent external drop corrosion, and is internally installed with four kinds of rubber rings to adapt to requirements of different internal fluid media.



- **Application of pipeline emergency repair operation in oil field oil extraction plant, natural gas, coal gas, water supply/drainage :**

Pipeline repair under pressure is rapid, reliable, and flexible connected which is free from fire operation



- **Jointand pipe joint can replace various traditional connection methods:**

- Can replace butt welding connection
- Can replace butt flange connection
- Can replace threaded connection
- Can replace groove butt connection
- Can replace composite pipe connection



Jointand-Product Qualification Certificate



Jointand products have obtained national patent for invention, utility patent and design patent certificate



Jointand – Product Testing Equipment



Engineering industry:

Irrigation, underground water transmission pipeline, heat energy and hydropower station, land reclamation and surface drainage, water diversion groove, flood discharge project, swimming pool, hot spring, lake water and river water extraction, ocean sewage drainage, urban fishpond, tunneling, urban drainage, sewage treatment plant, pump station, reservoir, distribution system, purification and filtering plant, desalinator, water storage tower, industrial waste, distilling plant.

Beverage and food industry:

Compressed air pipeline, water supply pipeline and technological pipeline

Cement industry:

Concrete sizing agent pipeline, pressure transmission pipeline

Chemical fertilizer, chemical engineering and plastic industry:

Caustic soda, compressed air pipeline, acid, nitrate solution pipeline, glue, vapour condensation loop pipeline, cooling water, bittern, waste water, ventilating, bleaching and phosphoric acid pipeline.

Gas industry:

Distribution and supply pipeline, storage tank equipment

Heat supply and air conditioning industry:

Regional heat supply (secondary supply pipeline system), pollution control, condensate water loop pipeline, cooling tower pipeline

Mechanical engineering industry:

Water supply pipeline, fuel gas pipeline, compressed air pipeline, air conditioning and cooling cabinet pipeline, mixing and dispensing equipment, cyclone dust collector, electric wire protection pipe, air transmission pipeline for particle grinding

Metallurgical industry:

Steelworks, aluminium manufacturer, zinc smelting plant, casting mortar pipeline, acid-acid separation pipeline, waste acid pump pipe, waste processing system, electroplate solution pipeline, hydrochloric acid pipeline, sulfuric acid pipeline, chromium acid pipeline, waste acid pipeline. Mining industry: waste water pipeline, filtering pipeline, attenuating pipeline, slag transmission pipeline, and coal ash ventilating pipeline

Chemical, oil and petroleum industry:

Fire fighting pipeline of oil refinery and oil field, seawater pipeline, waste water pipeline, acid waste pipeline, product pipeline, oil storage tank, deep well riser pipe, petrol station pipeline, relevant pipeline installed near the sea, device connection of oil rig, air conduit, vacuum pipeline

Power generation industry:

Vapour condensation loop pipeline, waste water and water treatment pipeline, boiler feedwater pipeline, cooling water pipe, ventilating pipeline

Paper pulp, papermaking and printing industry:

Console air pipeline, vapour condensation loop pipeline, desalting pipeline system, sulfuric acid pipeline to control pH value, alums pipeline, hydrochloric acid pipeline to eliminate strong base, air transmission pipeline

Shipbuilding and offshore oil platform (including ship maintenance)

Hull bottom sewage and ballast waterline
Purification and sea water pipeline (cooling and other system)
Deck washing water pipe
Air matched for water purification and seawater storage tank, injecting and measuring pipeline
Tanker deck and pump room pipeline
Auxiliary compressed air pipeline
Fire-fighting pressure water pipe and water injecting system
Inert gas system, external engine room
Oil and lubricating oil pipeline
Public health discharging washing system
Measuring pipeline
Sewage waste material pipeline for mechanical equipment space
Cable pipeline

If exceeding normal application scope, please consult Jointand Technical Department or agent



Jointand- Accessories and Materials



Accessories	Adaptive temperature and medium
EPDM seal ring	Adaptive temperature: -30℃(-22°F) - +130℃(+266°F) Adaptive medium: various water qualities, waste water, air, solid and various chemical substances
NBR seal ring	Adaptive temperature: -25℃ (-13°F) - +100℃(+212°F) Adaptive medium: gas, oil, fuel and multiple hydrocarbon
MVQ seal ring	Adaptive temperature: -10℃(+14°F) - +200℃(+392°F) Adaptive medium: high-temperature liquid, oxygen, ozone, water, high and low temperature resistance
VITON A seal ring	Adaptive temperature: -30℃(-22°F) - +260℃(+500°F) Adaptive medium: ozone, oxygen, acid, natural gas, petroleum and fuel.

Accessory	Material	M1		M2		M3		M4	
		DIN	AISI	DIN	AISI	DIN	AISI	DIN	AISI
Shell		1.4301	304	1.4301	304	1.4435	316L	1.4462	32205
Strip		1.4310	301	1.4310	301	1.4310	301		
Mortise lock		1.0737	12L14	1.4301	304	1.4435	316L	1.4462	32205
Bolt		1.0737	12L14	1.0737	12L14	1.4301	316L	1.4462	32205
Clamping piece		1.4301	304	1.4301	304	1.4435	316L	1.4571	316Ti

Note: M1, M2 bolt should have Dacromet antiseptic treatment

Jointand- HG Pipe Joint



It can withstand sliding sleeve joint with medium and high pressure limit

This type of pipe joint is suitable for land engineering projects, can be used for all kinds of metal pipe connection, working pressure can reach 50bar, is axial tensile and can be repeatedly installed for use.

Mainly adopted and applied in the following industry:

- Chemistry, oil and petrochemical industry
- Chemical fertilizers, chemical engineering and plastics industry
- Metallurgy, mechanical equipment industry

It is mainly applicable to all kinds of pipe systems of water, oil and gas medium, with pressure exceeding 20bar to 50bar



- CE Type Approval
- Patented product

Technical tips

Specification: AD26.9mm - AD323.99mm (AD1.050Inch - AD12.75Inch)

Rubber shell

Stainless steel
EPDM seal ring

AISI304, AISI316L
Applicable temperature: -30°C - +130°C (-22°F - +266°F)
Can be used for various water qualities, waste water, air, solid and chemicals

NBR seal ring

-25°C - +100°C (-13°F - +212°F)
Can be used for gas, oil, fuel and multiple hydrocarbons

Locking piece:

Can choose MVQ and VITON for assembly
Antiseptic Dacromet processing steel

- If exceeding normal application scope, please consult Jointand Technical Department or agent

Select material:

M1
M2
M3

Jointand-HG pipe joint

Technical parameter

mm metric system/in. British system

External diameter		Application scope		Working pressure		Joint dimension				Maximum distance of pipe end				Bolt	Bolt torque		
AD		Min- Max		PB		Width		Sealing lip interval		Clamping piece without steel		Clamping piece with steel					
mm	In.	mm	In.	bar	psi	mm	In.	mm	In.	mm	In.	mm	In.	M	Nm	Ft.lbs	
26.9	1.050	26.4-27.4	1.04-1.08	50	730	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5	
30.0	1.180	29.5-30.5	1.16-1.20	50	730	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5	
33.7	1.325	33.2-34.2	1.31-1.35	50	730	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5	
38.0	1.495	37.5-38.5	1.48-1.52	50	730	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11	
42.4	1.670	41.9-42.9	1.65-1.69	50	730	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11	
44.5	1.750	44.0-46.0	1.73-1.81	50	730	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11	
48.3	1.900	47.0-49.5	1.85-1.95	50	730	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11	
55.0	2.165	54.0-56.5	2.13-2.22	45	650	76	3.0	30	1.2	8	0.3	15	0.6	8	20	15	
57.0	2.245	56.0-58.5	2.20-2.30	45	650	76	3.0	30	1.2	8	0.3	15	0.6	8	20	15	
60.3	2.375	59.6-61.5	2.35-2.45	45	650	76	3.0	30	1.2	8	0.3	15	0.6	8	20	15	
70.0	2.756	69.0-71.0	2.72-2.79	40	580	105	4.1	47	1.9	10	0.4	28	1.1	8	35	26	
76.1	2.995	75.3-78.0	2.96-3.07	40	580	105	4.1	47	1.9	10	0.4	28	1.1	8	35	26	
85.0	3.345	84.0-86.0	3.31-3.39	40	580	105	4.1	47	1.9	10	0.4	28	1.1	8	35	26	
88.9	3.500	88.0-89.8	3.46-3.54	40	580	105	4.1	47	1.9	10	0.4	28	1.1	8	35	26	
104.0	4.095	103.0-106.0	4.06-4.17	35	510	105	4.1	47	1.9	10	0.4	28	1.1	8	35	26	
108.0	4.250	106.9-110.5	4.21-4.35	35	510	105	4.1	47	1.9	10	0.4	28	1.1	8	35	26	
114.3	4.500	113.0-116.0	4.45-4.57	35	510	105	4.1	47	1.9	10	0.4	28	1.1	8	35	26	
133.0	5.235	131.7-135.0	5.19-5.31	30	440	120	4.7	60	2.4	10	0.4	35	1.4	10	60	45	
139.7	5.500	138.0-142.0	5.43-5.59	30	440	120	4.7	60	2.4	10	0.4	35	1.4	10	60	45	
154.0	6.065	152.0-156.0	5.98-6.14	30	440	120	4.7	60	2.4	10	0.4	35	1.4	10	60	45	
159.0	6.260	157.0-161.0	6.18-6.34	25	360	120	4.7	60	2.4	10	0.4	35	1.4	10	60	45	
168.3	6.625	166.6-171.0	6.56-6.37	25	360	120	4.7	60	2.4	10	0.4	35	1.4	10	60	45	
219.1	8.625	216.9-222.0	8.54-8.74	16	232	152	6.0	82	3.2	10	0.4	35	1.4	12	80	60	
273.0	10.750	270.0-276.0	10.63-10.87	16	232	152	6.0	82	3.2	10	0.4	35	1.4	12	80	60	
323.9	12.750	320.0-328.0	12.60-12.91	16	232	152	6.0	82	3.2	10	0.4	35	1.4	12	80	60	

- Product testing pressure =1.5XPB
- Product refers to DIN86128-1 and DIN86128-2 German standards
- Enterprise standard Q/320500 JTD001.2 -2018

Please refer to the following demonstrations for design, purchasing model selection expression methods:

J - HG - A219.1(8.625") - M1(M2) - EPDM/NBR

Brand series Joint specification (pipe external diameter) shell material No. Rubber selection

Jointand-GL Pipe Joint



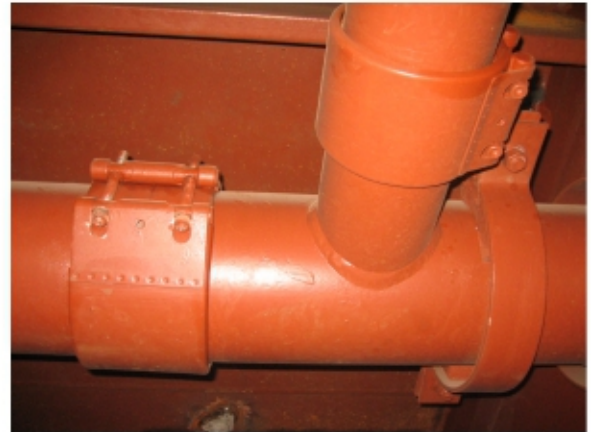
It can withstand sliding sleeve joint with medium and low pressure limit.

This type of pipe joint is suitable for land /sea engineering projects, can be used for all kinds of metal pipe connection, working pressure can reach 10-20bar (two-lip sealing structure, axial tensile) and can be repeatedly installed for use, being approved by eight classification societies and CE.

Mainly adopted and applied in the following industry:

- Shipbuilding/sea platform and ship repairing industry
- Thermal power, hydropower and nuclear power industry
- Gas and fuel industry
- Engineering machinery equipment industry
- Refrigeration & Air-Conditioning (Freon) industry

It is mainly applicable to all kinds of water media, oil and gas with pressure not exceeding 20 bar, as well as high and low temperature pipe system. It can withstand - 60 ℃ low temperature environment.



- CE Type approval
- Classification society approval
- Patented product

Technical tips

Specification: AD20.0mm - AD323.9mm (AD0.787Inch - AD12.75Inch)

Rubber shell

Stainless steel
EPDM seal ring

AISI304, AISI316L, 32205 dual-phase stainless steel
Applicable temperature: -30℃ - +130℃ (-22°F - +266°F)
Can be used for various water qualities, waste water, air, solid and chemicals, low temperature resistance of -60℃ at most

NBR seal ring

-25℃ - +100℃ (-13°F - +212°F)
Can be used for gas, oil, fuel and multiple hydrocarbons

Can choose MVQ and VITON for assembly

Locking piece:

Antiseptic Dacromet processing steel, can also choose stainless steel accessories

- If exceeding normal application scope, please consult Jointand Technical Department or agent

Select material:

M1
M2
M3
M4

Jointand-GL Pipe Joint

Technical parameter

mm metric system/in. British system

External diameter		Application scope		Working pressure		Joint dimension				Maximum distance of pipe end				Bolt	Bolt torque	
AD		Min- Max		PB		Width		Sealing lip interval		Clamping piece without steel		Clamping piece with steel				
mm	In.	mm	In.	bar	psi	mm	In.	mm	In.	mm	In.	mm	In.	M	Nm	Ft.lbs
*20.0	0.787	19.5-20.5	0.77-0.81	20	290	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5
*26.9	1.050	26.4-27.4	1.04-1.08	20	290	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5
*30.0	1.180	29.5-30.5	1.16-1.20	20	290	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5
*33.7	1.325	33.2-34.2	1.31-1.35	20	290	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5
*38.0	1.495	37.5-38.5	1.48-1.52	20	290	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11
*42.4	1.670	41.9-42.9	1.65-1.69	20	290	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11
*44.5	1.750	44.0-46.0	1.73-1.81	20	290	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11
*48.3	1.900	47.0-49.5	1.85-1.95	20	290	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11
*55.0	2.165	54.0-56.5	2.13-2.22	20	290	76	3.0	30	1.2	8	0.3	15	0.6	8	15	11
*57.0	2.245	56.0-58.5	2.20-2.30	20	290	76	3.0	30	1.2	8	0.3	15	0.6	8	15	11
*60.3	2.375	59.6-61.5	2.35-2.42	20	290	76	3.0	30	1.2	8	0.3	15	0.6	8	15	11
70.0	2.756	69.0-71.0	2.72-2.79	20	290	105	4.1	47	1.9	10	0.4	28	1.1	8	20	15
76.1	2.995	75.3-78.0	2.96-3.07	20	290	105	4.1	47	1.9	10	0.4	28	1.1	8	20	15
85.0	3.345	84.0-86.0	3.31-3.39	20	290	105	4.1	47	1.9	10	0.4	28	1.1	8	20	15
88.9	3.500	88.0-89.8	3.46-3.54	20	290	105	4.1	47	1.9	10	0.4	28	1.1	8	20	15
104.0	4.095	103.0-106.0	4.06-4.17	20	290	105	4.1	47	1.9	10	0.4	28	1.1	8	25	18
108.0	4.250	106.9-110.5	4.21-4.35	20	290	105	4.1	47	1.9	10	0.4	28	1.1	8	25	18
114.3	4.500	113.0-116.0	4.45-4.57	20	290	105	4.1	47	1.9	10	0.4	28	1.1	8	25	18
133.0	5.235	131.7-135.0	5.19-5.31	16	232	120	4.7	60	2.4	10	0.4	35	1.4	10	40	30
139.7	5.500	138.0-142.0	5.43-5.59	16	232	120	4.7	60	2.4	10	0.4	35	1.4	10	40	30
154.0	6.065	152.0-156.0	5.98-6.14	16	232	120	4.7	60	2.4	10	0.4	35	1.4	10	40	30
159.0	6.260	157.0-161.0	6.18-6.34	16	232	120	4.7	60	2.4	10	0.4	35	1.4	10	40	30
168.3	6.625	166.6-171.0	6.56-6.73	16	232	120	4.7	60	2.4	10	0.4	35	1.4	10	40	30
219.1	8.625	216.9-222.0	8.54-8.74	12	174	152	6.0	81	3.2	10	0.4	35	1.4	12	60	45
273.0	10.750	270.0-276.0	10.63-10.87	10	145	152	6.0	81	3.2	10	0.4	35	1.4	12	60	45
323.9	12.750	320.0-328.0	12.60-12.91	10	145	152	6.0	81	3.2	10	0.4	35	1.4	12	70	52

- Product testing pressure =1.5XPB
- AD20mm-AD60mm can choose 48mm width allocation
- Product refers to DIN86128-1 and DIN86128-2 German standards
- Enterprise standard Q/320500 JTD001.2 -2018

Please refer to the following demonstrations for design, purchasing model selection expression methods:

J - GL - A108.0 - M1(M2/M3) - EPDM(NBR/MVQ)

Brand series Joint specification shell material No. Rubber selection
(pipe external diameter)

Jointand – GE Pipe Joint



● Patented product

It can withstand sliding sleeve joint with low pressure limit.

This type of pipe joint is suitable for land engineering projects, can be used for all kinds of metal pipe connection, working pressure can reach 16bar (two-lip sealing structure, axial tensile) and can be repeatedly installed for use.

Mainly adopted and applied in the following industry:

- Engineering machinery equipment
- Compressor manufacturing and air pipe
- Pipe system of cold water and hot water
- Dust pumping system

It is mainly applicable to all kinds of water media oil and gas with pressure not exceeding 16bar, as well as high and low temperature pipe system.



Technical tips

Specification: AD20.0mm - AD323.9mm (AD0.787Inch - AD12.75Inch)

Rubber shell

Stainless steel
EPDM seal ring

AISI304, AISI316L, 32205 dual-phase stainless steel
Applicable temperature: -30°C - +130°C (-22°F - +266°F)
Can be used for various water qualities, waste water, air, solid and chemicals, low temperature resistance of -60°C at most

NBR seal ring

-25°C - +100°C (-13°F - +212°F)
Can be used for gas, oil, fuel and multiple hydrocarbons

Can choose MVQ and VITON for assembly

Locking piece:

Antiseptic Dacromet processing steel, can also choose stainless steel accessories

- If exceeding normal application scope, please consult Jointand Technical Department or agent

Select material:

**M1
M2
M3
M4**

Jointand –GE Pipe Joint

Technical parameter

mm metric system/in. British system

External diameter		Application scope		Working pressure		Joint dimension				Maximum distance of pipe end				Bolt	Bolt torque	
AD		Min- Max		PB		Width		Sealing lip interval		Clamping piece without steel		Clamping piece with steel				
mm	in.	mm	in.	bar	psi	mm	in.	mm	in.	mm	in.	mm	in.	M	Nm	Ft.lbs
20.0	0.787	19.5-20.5	0.77-0.81	16	232	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5
25.0	0.984	24.5-25.5	0.96-1.00	16	232	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5
26.9	1.050	26.4-27.4	1.04-1.08	16	232	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5
30.0	1.180	29.5-30.5	1.16-1.20	16	232	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5
33.7	1.325	33.2-34.2	1.31-1.35	16	232	56	2.2	17	0.7	5	0.2	5	0.2	6	10	7.5
38.0	1.495	37.5-38.5	1.48-1.52	16	232	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11
42.4	1.670	41.9-42.9	1.65-1.69	16	232	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11
44.5	1.750	44.0-46.0	1.73-1.81	16	232	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11
48.3	1.900	47.0-49.5	1.85-1.95	16	232	76	3.0	30	1.2	5	0.2	10	0.4	8	15	11
54.0	2.126	53.5-54.5	2.11-2.15	16	232	76	3.0	30	1.2	8	0.2	10	0.6	8	15	11
55.0	2.165	54.5-56.5	2.13-2.22	16	232	76	3.0	30	1.2	8	0.3	15	0.6	8	15	11
57.0	2.245	56.5-58.5	2.20-2.30	16	232	76	3.0	30	1.2	8	0.3	15	0.6	8	15	11
60.3	2.375	59.6-61.5	2.35-2.42	16	232	76	3.0	30	1.2	8	0.3	15	0.6	8	15	11
63.0	2.480	62.0-64.0	2.44-2.52	16	232	76	3.0	30	1.2	8	0.3	15	1.1	8	20	15
70.0	2.756	69.0-71.0	2.72-2.79	16	232	105	4.1	47	1.9	10	0.4	28	1.1	8	20	15
73.0	2.874	72.3-73.7	2.85-2.90	16	232	105	4.1	47	1.9	10	0.4	28	1.1	8	20	15
76.1	2.995	75.3-78.0	2.96-3.07	16	232	105	4.1	47	1.9	10	0.4	28	1.1	8	20	15
84.0	3.307	83.2-84.8	3.28-3.34	16	232	105	4.1	47	1.9	10	0.4	28	1.1	8	25	18
88.9	3.500	88.0-89.8	3.46-3.54	16	232	105	4.1	47	1.9	10	0.4	28	1.1	8	25	18
101.6	4.000	100.6-102.6	3.96-4.04	16	232	105	4.1	47	1.9	10	0.4	28	1.1	8	25	18
104.0	4.095	103.0-106.0	4.06-4.17	16	232	105	4.1	47	1.9	10	0.4	28	1.1	8	25	18
108.0	4.250	106.9-110.5	4.21-4.35	16	232	105	4.1	47	1.9	10	0.4	28	1.1	8	25	18
114.3	4.500	113.0-116.0	4.45-4.57	16	232	105	4.1	47	1.9	10	0.4	28	1.1	8	25	18
133.0	5.235	131.7-135.0	5.19-5.31	16	232	120	4.7	60	2.4	10	0.4	35	1.4	10	40	30
139.7	5.500	138.0-142.0	5.43-5.59	16	232	120	4.7	60	2.4	10	0.4	35	1.4	10	40	30
154.0	6.065	152.0-156.0	5.98-6.14	16	232	120	4.7	60	2.4	10	0.4	35	1.4	10	40	30
159.0	6.260	157.0-161.0	6.18-6.34	16	232	120	4.7	60	2.4	10	0.4	35	1.4	10	40	30
168.3	6.625	166.6-171.0	6.56-6.73	16	232	120	4.7	60	2.4	10	0.4	35	1.4	10	40	30
219.1	8.625	216.9-222.0	8.54-8.74	12	174	152	6.0	81	3.2	10	0.4	35	1.4	12	60	45
273.0	10.750	270.0-276.0	10.63-10.87	10	145	152	6.0	81	3.2	10	0.4	35	1.4	12	60	45
323.9	12.750	320.0-328.0	12.60-12.91	10	145	152	6.0	81	3.2	10	0.4	35	1.4	12	70	52

- Product testing pressure = 1.5XPB
- Product refers to DIN86128-1 and DIN86128-2 German standards
- Enterprise standard Q/320500 JTD001.2 -2018

Please refer to the following demonstrations for design, purchasing model selection expression methods:

J - GE - A108.0 - M1(M2/M3) - EPDM(NBR/MVQ)

Brand series Joint specification shell material No. Rubber selection
(pipe external diameter)

Jointand –ZL Pipe Joint



● Patented product

It can withstand sliding sleeve joint with low pressure limit and of narrow type.

This type of pipe joint is suitable for low-pressure pipe system of land engineering projects, working pressure of joint can reach 5-16bar (axial tensile and dismountable) and can be repeatedly installed for use.

Mainly adopted and applied in the following industry:

- Beverage and food
- Supply of heat and air condition
- Paper making and printing
- Sugar and wine engineering
- Lubricating oil and air compressor
- Tap water and sewage treatment

It is mainly applicable to all kinds of water medium, lubricating oil and gas with pressure not exceeding 16bar, as well as high temperature medium pipe system.



Technical tips

Specification: AD26.9mm - AD323.99mm (AD1.050Inch - AD12.75Inch)

Rubber shell

Stainless steel
EPDM seal ring

AISI304, AISI316L
Applicable temperature: -30°C - +130°C (-22°F - +266°F)
Can be used for various water qualities, waste water, air, solid and chemicals

NBR seal ring

-25°C - +100°C (-13°F - +212°F)
Can be used for gas, oil, fuel and multiple hydrocarbons

Locking piece:

Can choose MVQ and VITON for assembly
Antiseptic Dacromet processing steel

- If exceeding normal application scope, please consult Jointand Technical Department or agent

Select material:

M1
M2
M3

Jointand –ZL Pipe Joint

Technical parameter

mm metric system/in. British system

External diameter		Application scope		Working pressure		Joint dimension				Maximum distance of pipe end				Bolt	Bolt torque	
AD		Min- Max		PB		Width		Sealing lip interval		Clamping piece without steel		Clamping piece with steel				
mm	In.	mm	In.	bar	psi	mm	In.	mm	In.	mm	In.	mm	In.	M	Nm	Ft.lbs
26.9	1.050	26.4-27.4	1.04-1.08	16	232	48	1.9	15	0.6	5	0.2	5	0.2	8	15	11
30.0	1.180	29.5-30.5	1.16-1.20	16	232	48	1.9	15	0.6	5	0.2	5	0.2	8	15	11
33.7	1.325	33.2-34.2	1.31-1.35	16	232	48	1.9	15	0.6	5	0.2	5	0.2	8	15	11
38.0	1.495	37.5-38.5	1.48-1.52	16	232	48	1.9	15	0.6	5	0.2	5	0.2	8	15	11
42.4	1.670	41.9-42.9	1.65-1.69	16	232	48	1.9	12	0.5	5	0.2	5	0.2	8	15	11
44.5	1.750	44.0-46.0	1.73-1.81	16	232	48	1.9	12	0.5	5	0.2	5	0.2	8	15	11
48.3	1.900	47.0-49.5	1.85-1.95	16	232	48	1.9	12	0.5	5	0.2	5	0.2	8	15	11
55.0	2.165	54.0-56.5	2.13-2.22	16	232	48	1.9	12	0.5	5	0.2	5	0.2	8	15	11
57.0	2.245	56.0-58.5	2.20-2.30	16	232	48	1.9	12	0.5	5	0.2	5	0.2	8	15	11
60.3	2.375	59.6-61.5	2.35-2.42	16	232	48	1.9	12	0.5	5	0.2	5	0.2	8	15	11
70.0	2.756	69.0-71.0	2.72-2.79	16	232	68	2.7	28	1.1	5	0.2	10	0.4	8	20	15
76.1	2.995	75.3-78.0	2.96-3.07	16	232	68	2.7	28	1.1	5	0.2	10	0.4	8	20	15
88.9	3.500	88.0-89.8	3.46-3.54	16	232	68	2.7	28	1.1	5	0.2	10	0.4	8	20	15
108.0	4.250	106.9-110.5	4.21-4.35	16	232	68	2.7	28	1.1	5	0.2	10	0.4	8	25	18
114.3	4.500	113.0-116.0	4.45-4.57	16	232	68	2.7	22	0.9	5	0.2	10	0.4	8	25	18
125.0	4.921	124.0-128.0	4.88-5.04	10	145	68	2.7	22	0.9	5	0.2	10	0.4	10	40	30
133.0	5.235	131.7-135.0	5.19-5.31	10	145	68	2.7	22	0.9	5	0.2	10	0.4	10	40	30
139.7	5.500	138.0-142.0	5.43-5.59	10	145	68	2.7	22	0.9	5	0.2	10	0.4	10	40	30
154.0	6.062	152.0-156.0	5.98-6.14	10	145	68	2.7	22	0.9	5	0.2	10	0.4	10	40	30
159.0	6.265	157.0-161.0	6.18-6.34	10	145	68	2.7	22	0.9	5	0.2	10	0.4	10	40	30
168.3	6.625	166.6-171.0	6.56-6.73	10	145	68	2.7	22	0.9	5	0.2	10	0.4	10	40	30
180.0	7.087	178.0-182.0	7.01-7.17	8	116	68	2.7	20	0.8	5	0.2	10	0.4	10	60	45
200.0	7.874	197.0-201.0	7.76-7.91	8	116	68	2.7	20	0.8	5	0.2	10	0.4	10	60	45
205.0	8.071	203.0-208.0	7.99-8.19	8	116	68	2.7	20	0.8	5	0.2	10	0.4	10	60	45
219.1	8.625	216.9-222.0	8.54-8.74	8	116	68	2.7	20	0.8	5	0.2	10	0.4	10	60	45
225.0	8.858	225.0-230.0	8.86-9.06	8	116	68	2.7	20	0.8	5	0.2	10	0.4	10	60	45
250.0	9.843	247.5-252.5	9.74-9.94	8	116	60	2.4	20	0.8	5	0.2	10	0.4	10	60	45
273.0	10.750	270.0-276.0	10.63-10.87	5	70	68	2.7	20	0.8	5	0.2	10	0.4	10	60	45
323.9	12.750	320.0-328.0	12.60-12.91	5	70	68	2.7	20	0.8	5	0.2	10	0.4	10	60	45

- Product testing pressure =1.5XPB
- Product refers to DIN86128-1 and DIN86128-2 German standards
- Enterprise standard Q/320500 JTD001.1 -2018

Please refer to the following demonstrations for design, purchasing model selection expression methods:

J - ZL - A108.0 - M1(M2) - EPDM(NBR/MVQ)

Brand series Joint specification shell material No. Rubber selection
(pipe external diameter)

Jointand –FS Pipe Joint



- Fire protection type approval
- Classification society approval
- Patented product

It can withstand sliding sleeve joint with medium pressure limit and fire protection & heat insulation

This type of pipe joint is mainly applied in areas that are demanding for fire protection, its fire-protection rating reaches to A60 and working pressure can reach 12-20bar (axial tensile) and can be repeatedly installed for use, being approved in type by eight classification societies and fire protection .product.

Mainly adopted and applied in the following industry:

- Shipbuilding/sea platform and ship repairing
- Thermal power, hydropower and nuclear power
- Gas and fuel industry
- Chemistry, oil and petrochemical industry
- Chemical fertilizers, chemical engineering and plastics industry
- Metallurgy
- Building

It is mainly applicable to all kinds of water medium, foam fire extinguishing agent and other pipe system demanding for fire protection with pressure not exceeding 20bar.

While the fire resistance flame is under +800℃ in the lab, the fire resistance time of FS series product is 60 minutes.



Technical tips

Specification: AD26.9mm - AD219.1mm (AD1.050Inch - AD8.625Inch)

Rubber shell

Stainless steel
EPDM seal ring

AISI304, AISI316L
Applicable temperature: -30℃ - +130℃ (-22°F - +266°F)
Can be used for various water qualities, waste water, air, solid and chemicals

NBR seal ring

-25℃ - +100℃ (-13°F - +212°F)
Can be used for gas, oil, fuel and multiple hydrocarbons

Locking piece:

Antiseptic Dacromet processing steel, can also choose stainless steel accessories

- If exceeding normal application scope, please consult Jointand Technical Department or agent

Select material:

M1
M2
M3

Jointand –FS Pipe Joint

Technical parameter

mm metric system/in. British system

External diameter		Application scope		Working pressure		Joint dimension				Maximum distance of pipe end				Bolt	Bolt torque	
AD		Min- Max		PB		Width		Sealing lip interval		Clamping piece without steel		Clamping piece with steel				
mm	in.	mm	in.	bar	psi	mm	in.	mm	in.	mm	in.	mm	in.	M	Nm	Ft.lbs
26.9	1.050	26.4-27.4	1.04-1.08	20	290	61	2.4	17	0.7	5	0.2	5	0.2	6	10	7.5
30.0	1.180	29.5-30.5	1.16-1.20	20	290	61	2.4	17	0.7	5	0.2	5	0.2	6	10	7.5
33.7	1.325	33.2-34.2	1.31-1.35	20	290	61	2.4	17	0.7	5	0.2	5	0.2	6	10	7.5
38.0	1.495	37.5-38.5	1.48-1.52	20	290	81	3.2	30	1.2	5	0.2	10	0.4	8	15	11
42.4	1.670	41.9-42.9	1.65-1.69	20	290	81	3.2	30	1.2	5	0.2	10	0.4	8	15	11
44.5	1.750	44.0-46.0	1.73-1.81	20	290	81	3.2	30	1.2	5	0.2	10	0.4	8	15	11
48.3	1.900	47.0-49.5	1.85-1.95	20	290	81	3.2	30	1.2	5	0.2	10	0.4	8	15	11
55.0	2.165	54.0-56.5	2.13-2.22	20	290	81	3.2	30	1.2	8	0.3	15	0.6	8	15	11
57.0	2.245	56.0-58.5	2.20-2.30	20	290	81	3.2	30	1.2	8	0.3	15	0.6	8	15	11
60.3	2.375	59.6-61.5	2.35-2.42	20	290	81	3.2	30	1.2	8	0.3	15	0.6	8	15	11
70.0	2.756	69.0-71.0	2.72-2.79	20	290	110	4.3	47	1.9	10	0.4	28	1.1	8	20	15
76.1	2.995	75.3-78.0	2.96-3.07	20	290	110	4.3	47	1.9	10	0.4	28	1.1	8	20	15
85.0	3.345	84.0-86.0	3.31-3.39	20	290	110	4.3	47	1.9	10	0.4	28	1.1	8	20	15
88.9	3.500	88.0-89.8	3.46-3.54	20	290	110	4.3	47	1.9	10	0.4	28	1.1	8	20	15
104.0	4.095	103.0-106.0	4.06-4.17	20	290	110	4.3	47	1.9	10	0.4	28	1.1	8	25	18
108.0	4.250	106.9-110.5	4.21-4.35	20	290	110	4.3	47	1.9	10	0.4	28	1.1	8	25	18
114.3	4.500	113.0-116.0	4.45-4.57	20	290	110	4.3	47	1.9	10	0.4	28	1.1	8	25	18
133.0	5.235	131.7-135.0	5.19-5.31	16	232	125	4.9	60	2.4	10	0.4	35	1.4	10	40	30
139.7	5.500	138.0-142.0	5.43-5.59	16	232	125	4.9	60	2.4	10	0.4	35	1.4	10	40	30
154.0	6.065	152.0-156.0	5.98-6.14	16	232	125	4.9	60	2.4	10	0.4	35	1.4	10	40	30
159.0	6.260	157.0-161.0	6.18-6.34	16	232	125	4.9	60	2.4	10	0.4	35	1.4	10	40	30
168.3	6.625	166.6-171.0	6.56-6.73	16	232	125	4.9	60	2.4	10	0.4	35	1.4	10	40	30
219.1	8.625	216.9-222.0	8.54-8.74	12	174	125	4.9	60	2.4	10	0.4	35	1.4	10	60	45

- Product testing pressure =1.5XPB
- Product refers to DIN86128-1 and DIN86128-2 German standards
- Enterprise standard Q/320500 JTD001.1 -2018

Please refer to the following demonstrations for design, purchasing model selection expression methods:

J - FS - A108.0 - M1(M2) - EPDM(NBR/MVQ)

Brand series Joint specification shell material No. Rubber selection
(pipe external diameter)

Jointand – PE Pipe Joint



It can withstand pipeline joint with medium and low pressure limit and plasticity.

This type of pipe joint is applicable to plastic pipe- line connection such as HDPE, PVC and UPVC. According to the pipe joint, different caliber can withstand pressure of 5-45bar, different width can be chosen (axial tensile and dismountable) and can be repeatedly installed for use.

Mainly adopted and applied in the following industry:

- Various oils and air compressor
- Tap water and sewage treatment
- Chemicals

The construction site does not need electric melting and glue bonding. It can be applied to all kinds of water media, oils and powder particle pipeline systems.

● Patented product



Technical tips

Specification: AD20.0mm - AD800.0mm (AD0.78Inch - AD31.496Inch)

Rubber shell

Stainless steel
EPDM seal ring
AISI304, AISI316L
Applicable temperature: -30°C - +130°C (-22°F - +266°F)
Can be used for various water qualities, waste water, air, solid and chemicals

NBR seal ring
-25°C - +100°C (-13°F - +212°F)
Can be used for gas, oil, fuel and multiple hydrocarbons

Locking piece:

Antiseptic Dacromet processing, can also choose stainless steel accessories

- If exceeding normal application scope, please consult Jointand Technical Department or agent

Select material:

M1
M2
M3

Please refer to the following demonstrations for design, purchasing model selection expression methods:

J - PE- I (PE- II、PE- III、PE- IV) - A180.0(7.087") - M1(M2/M3) - EPDM/NBR

Brand series Joint specification (pipe external diameter) shell material No. Rubber selection

Jointand – PE Pipe Joint

Technical parameter

metric system:mm

External diameter (mm)	Application scope (mm)	Working pressure (bar)				Joint dimension(mm)				Torque (Nm)			
		PE- I	PE- II	PE- III	PE-IV	PE- I	PE- II	PE- III	PE-IV	PE- I	PE- II	PE- III	PE-IV
20	20-20.5	-	-	-	16	-	-	-	40	-	-	-	10
25	25-25.5	-	-	-	16	-	-	-	40	-	-	-	10
32	32-32.5	-	-	-	16	-	-	-	40	-	-	-	10
40	40-40.5	-	-	-	16	-	-	-	40	-	-	-	10
50	49-50.5	-	16	-	16	-	76	-	40	-	15	-	10
63	62-64	-	16	16	16	-	76	48	65	-	15	15	10
75	74-76	-	16	16	10	-	105	68	65	-	20	20	10
90	89-91	-	16	16	10	-	105	68	65	-	20	20	10
110	108-111	-	16	16	10	-	105	68	65	-	25	25	10
125	123-126	-	16	10	8	-	119	68	65	-	30	30	15
140	138-142	-	16	10	8	-	119	68	65	-	40	40	15
160	158-162	-	16	10	8	-	119	68	65	-	40	40	15
180	178-182	12	12	8	5	206	152	68	100	50	50	50	25
200	198-203	12	12	8	5	206	152	68	100	50	50	50	25
225	222-227	12	12	6	5	206	152	68	100	60	60	50	25
250	247-253	12	12	6	5	206	152	60	100	60	60	50	25
280	277-283	-	-	5	5	-	-	90	100	-	-	25	25
315	311-317	12	12	-	-	206	152	-	-	60	60	-	-
355	351-357	12	12	-	-	206	152	-	-	60	60	-	-
400	396-402	10	10	-	-	206	152	-	-	60	60	-	-
450	447-453	10	10	-	-	206	152	-	-	60	60	-	-
500	497-503	10	10	-	-	206	152	-	-	70	70	-	-
560	557-563	10	10	-	-	206	152	-	-	70	70	-	-
630	627-633	10	10	-	-	206	152	-	-	70	70	-	-
800	796-804	10	5	-	-	206	152	-	-	70	70	-	-

British system:inch

External diameter (inch)	Application scope (inch)	Working pressure (psi)				Joint dimension(inch)				Torque (ft. lbf)			
		PE- I	PE- II	PE- III	PE-IV	PE- I	PE- II	PE- III	PE-IV	PE- I	PE- II	PE- III	PE-IV
0.787"	0.787" - 0.807"	-	-	-	232	-	-	-	1.6	-	-	-	7.5
0.984"	0.984" - 1.004"	-	-	-	232	-	-	-	1.6	-	-	-	7.5
1.260"	1.260" - 1.280"	-	-	-	232	-	-	-	1.6	-	-	-	7.5
1.575"	1.575" - 1.594"	-	-	-	232	-	-	-	1.6	-	-	-	7.5
1.969"	1.929" - 1.988"	-	232	-	232	-	3.0"	-	1.6	-	11	-	7.5
2.480"	2.441" - 2.520"	-	232	232	232	-	3.0"	1.9"	2.6	-	11	11	7.5
2.953"	2.913" - 2.992"	-	232	232	145	-	4.1"	2.7"	2.6	-	15	15	7.5
3.543"	3.504" - 3.583"	-	232	232	145	-	4.1"	2.7"	2.6	-	15	15	7.5
4.331"	4.252" - 4.370"	-	232	232	145	-	4.1"	2.7"	2.6	-	18	18	7.5
4.921"	4.843" - 4.961"	-	232	145	120	-	4.7"	2.7"	2.6	-	22	22	11
5.512"	5.433" - 5.591"	-	232	145	120	-	4.7"	2.7"	2.6	-	30	30	11
6.299"	6.220" - 6.378"	-	232	145	120	-	4.7"	2.7"	2.6	-	30	30	11
7.087"	7.008" - 7.165"	174	174	120	70	8.1"	6.0"	2.7"	3.9	37	37	37	18
7.874"	7.795" - 7.992"	174	174	120	70	8.1"	6.0"	2.7"	3.9	37	37	37	18
8.858"	8.740" - 8.937"	174	174	90	70	8.1"	6.0"	2.4"	3.9	44	44	37	18
9.843"	9.724" - 9.961"	174	174	90	70	8.1"	6.0"	2.7"	3.9	44	44	37	18
11.024"	10.906" - 11.142"	-	-	70	70	-	-	3.5"	3.9	-	-	18	18
12.402"	12.244" - 12.480"	174	174	-	-	8.1"	6.0"	-	-	44	44	-	-
13.976"	13.819" - 14.055"	174	174	-	-	8.1"	6.0"	-	-	44	44	-	-
15.748"	15.591" - 15.827"	145	145	-	-	8.1"	6.0"	-	-	44	44	-	-
17.717"	17.598" - 17.835"	145	145	-	-	8.1"	6.0"	-	-	44	44	-	-
19.685"	19.567" - 19.803"	145	145	-	-	8.1"	6.0"	-	-	52	52	-	-
22.047"	21.929" - 22.165"	145	145	-	-	8.1"	6.0"	-	-	52	52	-	-
24.803"	24.685" - 24.921"	145	145	-	-	8.1"	6.0"	-	-	52	52	-	-
31.496"	31.339" - 31.654"	145	70	-	-	8.1"	6.0"	-	-	52	52	-	-

Jointand –FLEX Pipe Joint



It can withstand sliding sleeve joint with medium and high pressure limit and compensator.

This type of pipe joint is suitable for land /ocean engineering projects, can be used for all kinds of metal/non-metal pipe connection, working pressure can reach 10-20bar (two-lip sealing structure, axial compensator flexibility) and can be repeatedly installed for use, being approved by eight classification societies and CE.

Mainly adopted and applied in the following industry:

- Shipbuilding/ocean platform and ship repairing
- Thermal power, hydropower and nuclear power
- Gas and fuel industry
- Mechanical equipment

It is mainly applicable to equipment pipe system of water medium, oil and gas with pressure not exceeding 20bar, and can replace corrugated pipe compensator and spherical compensator in short distance range.

- ?The product has four kinds of width to be chosen: 152mm, 220mm, 250mm and 300mm
- ?The axial sliding compensation can reach to 10-60mm based on the dimension and width.



- CE Type approval
- Classification society approval
- Patented product

Technical tips

Specification: AD26.9mm - AD4000.0mm (AD1.050Inch - AD157.48Inch)

Rubber shell

Stainless steel	AISI304, AISI316L, 32205 dual-phase stainless steel
EPDM seal ring	Applicable temperature: -30°C - +130°C (-22°F - +266°F) Can be used for various water qualities, waste water, air, solid and chemicals
NBR seal ring	-25°C - +100°C (-13°F - +212°F) Can be used for gas, oil, fuel and multiple hydrocarbons
	Can choose MVQ and VITON for assembly
Locking piece:	Antiseptic Dacromet processing steel, can also choose stainless steel accessories

- If exceeding normal application scope, please consult Jointand Technical Department or agent

Select material:

M1
M2
M3
M4

Jointand –FLEX Pipe Joint

Technical parameter

mm metric system/in. British system

External diameter		Application scope		Working pressure		Joint dimension				Maximum distance of pipe end				Bolt	Bolt torque	
AD		Min- Max		PB		Width		Sealing lip interval		Clamping piece without steel		Clamping piece with steel				
mm	In.	mm	In.	bar	psi	mm	In.	mm	In.	mm	In.	mm	In.	M	Nm	Ft.lbs
26.9	1.050	26.4-27.4	1.04-1.08	20	290	56	2.2	20	0.8	5	0.2	5	0.2	6	10	7.5
30.0	1.180	29.5-30.5	1.16-1.20	20	290	56	2.2	20	0.8	5	0.2	5	0.2	6	10	7.5
33.7	1.325	33.2-34.2	1.31-1.35	20	290	56	2.2	20	0.8	5	0.2	5	0.2	6	10	7.5
38.0	1.495	37.5-38.5	1.48-1.52	20	290	76	3.0	36	1.4	5	0.2	10	0.4	8	15	11
42.4	1.670	41.9-42.9	1.65-1.69	20	290	76	3.0	36	1.4	5	0.2	10	0.4	8	15	11
44.5	1.750	44.0-46.0	1.73-1.81	20	290	76	3.0	36	1.4	5	0.2	10	0.4	8	15	11
48.3	1.900	47.0-49.5	1.85-1.95	20	290	76	3.0	36	1.4	5	0.2	10	0.4	8	15	11
55.0	2.165	54.0-56.5	2.13-2.22	20	290	76	3.0	36	1.4	5	0.2	15	0.6	8	15	11
57.0	2.245	56.0-58.5	2.20-2.30	20	290	76	3.0	36	1.4	5	0.2	15	0.6	8	15	11
60.3	2.375	59.6-61.5	2.35-2.42	20	290	76	3.0	36	1.4	5	0.2	15	0.6	8	15	11
70.0	2.756	69.0-71.0	2.72-2.79	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	20	15
76.1	2.995	75.3-78.0	2.96-3.07	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	20	15
85.0	3.345	84.0-86.0	3.31-3.39	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	20	15
88.9	3.500	88.0-89.8	3.46-3.54	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	20	15
104.0	4.095	103.0-106.0	4.06-4.17	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	25	18
108.0	4.250	106.9-110.5	4.21-4.35	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	25	18
114.3	4.500	113.0-116.0	4.45-4.57	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	25	18
133.0	5.235	131.7-135.0	5.19-5.31	16	232	120	4.7	67	2.6	5	0.2	35	1.4	10	40	30
139.7	5.500	138.0-142.0	5.43-5.59	16	232	120	4.7	67	2.6	5	0.2	35	1.4	10	40	30
154.0	6.065	152.0-156.0	5.98-6.14	16	232	120	4.7	67	2.6	5	0.2	35	1.4	10	40	30
159.0	6.260	157.0-161.0	6.18-6.34	16	232	120	4.7	67	2.6	5	0.2	35	1.4	10	40	30
168.3	6.625	166.6-171.0	6.56-6.73	16	232	120	4.7	67	2.6	5	0.2	35	1.4	10	40	30
219.1	8.625	216.9-222.0	8.54-8.74	16	232	152	6.0	89	3.5	10	0.4	35	1.4	12	60	45
273.0	10.750	270.0-276.0	10.63-10.87	16	232	152	6.0	89	3.5	10	0.4	35	1.4	12	60	45
323.9	12.750	320.0-328.0	12.60-12.91	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
355.6	14.000	352.0-358.0	13.86-14.09	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
377.0	14.843	375.0-381.0	14.76-15.00	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
406.4	16.000	403.0-409.0	15.87-16.10	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
429.0	16.772	426.0-432.0	16.77-17.01	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
457.2	18.000	454.0-460.0	17.87-18.11	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
480.0	18.898	477.0-483.0	18.78-19.02	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
508.0	20.000	505.0-511.0	19.88-20.12	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
530.0	20.886	527.0-533.0	20.75-20.98	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
568.0	22.362	565.0-571.0	22.24-22.48	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
609.6	24.000	606.0-613.0	23.86-24.13	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
617.0	24.291	614.0-620.0	24.17-24.41	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
630.0	24.803	626.0-634.0	24.65-24.96	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
635.0	25.000	632.0-638.0	24.88-25.12	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
676.0	26.614	673.0-679.0	26.50-26.73	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
711.2	28.000	708.0-715.0	27.87-28.15	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
719.0	28.307	716.0-722.0	28.19-28.43	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52

Jointand –FLEX Pipe Joint

Technical parameter

mm metric system/in. British system

External diameter		Application scope		Working pressure		Joint dimension				Maximum distance of pipe end				Bolt	Bolt torque	
AD		Min- Max		PB		Width		Sealing lip interval		Clamping piece without steel		Clamping piece with steel				
mm	In.	mm	In.	bar	psi	mm	In.	mm	In.	mm	In.	mm	In.	M	Nm	Ft.lbs
738.0	29.055	735.0-741.0	28.94-29.17	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
762.0	30.000	758.0-766.0	29.84-30.16	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
808.0	31.811	805.0-811.0	31.69-31.93	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
812.8	32.000	809.0-817.0	31.85-32.17	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
820.0	32.283	817.0-823.0	32.16-32.40	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
830.0	32.677	825.0-835.0	32.48-32.87	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
842.0	33.150	839.0-845.0	33.03-33.27	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
864.0	34.016	861.0-867.0	33.90-34.13	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
914.0	35.984	911.0-917.0	35.87-36.10	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
924.0	36.378	919.0-929.0	36.18-36.57	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1016.0	40.000	1011.0-1021.0	39.80-40.20	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1026.0	40.394	1021.0-1031.0	40.20-41.56	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1048.0	41.260	1043.0-1053.0	41.06-41.46	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1220.0	48.031	1215.0-1225.0	47.83-48.23	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1229.0	48.386	1224.0-1234.0	48.19-48.58	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1331.0	52.402	1326.0-1336.0	52.20-52.60	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1420.0	55.906	1415.0-1425.0	55.71-56.10	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1434.0	56.457	1429.0-1439.0	56.26-56.65	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1535.0	60.433	1530.0-1540.0	60.24-60.63	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1620.0	63.780	1615.0-1625.0	63.58-63.98	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52

- Product testing pressure =1.5XPB
- Product refers to DIN86128-1 and DIN86128-2 German standards
- Enterprise standard Q/320500 JTD001.2 -2018

Please refer to the following demonstrations for design, purchasing model selection expression methods:

J - FLEX - A108.0 - M1(M2/M3/M4) - EPDM(NBR/MVQ)

Brand series Joint specification (pipe external diameter) shell material No. Rubber selection

Maximum diameter of joint produced by Jointand is 4,000 mm, maximum width of joint is 600mm.
Please consult Technical Department of Jointand for details about technical parameters.

Jointand –R-FLEX Pipe Joint



- CE Type approval
- Classification society approval
- Patented product

It can withstand repair joint with medium and high pressure limit and able to be opened.

This type of pipe joint is suitable for land /ocean engineering projects in repairing, can be used for all kinds of metal/non-metal pipe connection, working pressure can reach to 20bar and small caliber can withstand 40bar at most (two-lip sealing structure) and can be repeatedly installed for use.

Mainly adopted and applied in the following industry:

- Shipbuilding/ocean platform and ship repairing
- Thermal power, hydropower and nuclear power
- Gas and fuel industry
- Mechanical equipment

It is mainly applicable to rush repair in all kinds of media pipe of water ,oil and gas with working pressure not exceeding 20bar.

The product has four kinds of width to be chosen: 152mm, 220mm, 250mm and 300mm



Technical tips

Specification: AD26.9mm - AD4000.0mm (AD1.050Inch - AD157.48Inch)

Rubber shell

Stainless steel
EPDM seal ring

AISI304, AISI316L
Applicable temperature: -30°C - +130°C (-22°F - +266°F)
Can be used for various water qualities, waste water, air, solid and chemicals

NBR seal ring

-25°C - +100°C (-13°F - +212°F)
Can be used for gas, oil, fuel and multiple hydrocarbons

Locking piece:

Can choose MVQ and VITON for assembly
Antiseptic Dacromet processing, can also choose stainless steel accessories

- If exceeding normal application scope, please consult Jointand Technical Department or agent

Select material:

**M1
M2
M3**

Jointand –R-FLEX Pipe Joint

Technical parameter

mm metric system/in. British system

External diameter		Application scope		Working pressure		Joint dimension				Maximum distance of pipe end				Bolt	Bolt torque	
AD		Min- Max		PB		Width		Sealing lip interval		Clamping piece without steel		Clamping piece with steel				
mm	In.	mm	In.	bar	psi	mm	In.	mm	In.	mm	In.	mm	In.	M	Nm	Ft.lbs
26.9	1.050	26.4-27.4	1.04-1.08	40	580	56	2.2	20	0.8	5	0.2	5	0.2	6	10	7.5
30.0	1.180	29.5-30.5	1.16-1.20	40	580	56	2.2	20	0.8	5	0.2	5	0.2	6	10	7.5
33.7	1.325	33.2-34.2	1.31-1.35	40	580	56	2.2	20	0.8	5	0.2	5	0.2	6	10	7.5
38.0	1.495	37.5-38.5	1.48-1.52	20	290	76	3.0	36	1.4	5	0.2	10	0.4	8	15	11
42.4	1.670	41.9-42.9	1.65-1.69	20	290	76	3.0	36	1.4	5	0.2	10	0.4	8	15	11
44.5	1.750	44.0-46.0	1.73-1.81	20	290	76	3.0	36	1.4	5	0.2	10	0.4	8	15	11
48.3	1.900	47.0-49.5	1.85-1.95	20	290	76	3.0	36	1.4	5	0.2	10	0.4	8	15	11
55.0	2.165	54.0-56.5	2.13-2.22	20	290	76	3.0	36	1.4	5	0.2	15	0.6	8	15	11
57.0	2.245	56.0-58.5	2.20-2.30	20	290	76	3.0	36	1.4	5	0.2	15	0.6	8	15	11
60.3	2.375	59.6-61.5	2.35-2.42	20	290	76	3.0	36	1.4	5	0.2	15	0.6	8	15	11
70.0	2.756	69.0-71.0	2.72-2.79	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	20	15
76.1	2.995	75.3-78.0	2.96-3.07	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	20	15
88.9	3.500	88.0-89.8	3.46-3.54	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	20	15
98.0	3.858	96.0-100.0	3.78-3.94	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	20	15
108.0	4.250	106.9-110.5	4.21-4.35	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	25	18
114.3	4.500	113.0-116.0	4.45-4.57	20	290	105	4.1	54	2.1	5	0.2	28	1.1	8	25	18
120.0	4.724	119.0-122.5	4.68-4.82	16	232	119	4.7	67	2.6	5	0.2	35	1.4	10	40	30
127.0	5.000	125.7-128.3	4.95-5.05	16	232	119	4.7	67	2.6	5	0.2	35	1.4	10	40	30
133.0	5.235	131.7-135.0	5.19-5.31	16	232	119	4.7	67	2.6	5	0.2	35	1.4	10	40	30
139.7	5.500	138.0-142.0	5.43-5.59	16	232	119	4.7	67	2.6	5	0.2	35	1.4	10	40	30
144.0	5.669	142.0-146.0	5.59-5.75	16	232	119	4.7	67	2.6	5	0.2	35	1.4	10	40	30
149.0	5.866	147.0-151.0	5.79-5.94	16	232	119	4.7	67	2.6	5	0.2	35	1.4	10	40	30
159.0	6.260	157.0-161.0	6.18-6.34	16	232	119	4.7	67	2.6	5	0.2	35	1.4	10	40	30
168.3	6.625	166.6-171.0	6.56-6.73	16	232	119	4.7	67	2.6	5	0.2	35	1.4	10	40	30
174.0	6.850	172.0-176.0	6.77-6.93	16	232	150	5.9	89	3.5	10	0.4	35	1.4	12	60	45
180.0	7.085	178.0-182.0	7.01-7.17	16	232	150	5.9	89	3.5	10	0.4	35	1.4	12	60	45
200.0	7.874	198.0-202.0	7.80-7.95	16	232	150	5.9	89	3.5	10	0.4	35	1.4	12	60	45
210.0	8.268	208.0-213.0	8.19-8.39	16	232	150	5.9	89	3.5	10	0.4	35	1.4	12	60	45
219.1	8.625	216.9-222.0	8.54-8.74	16	232	150	5.9	89	3.5	10	0.4	35	1.4	12	60	45
273.0	10.750	270.0-276.0	10.63-10.87	16	232	150	5.9	89	3.5	10	0.4	35	1.4	12	60	45
323.9	12.750	320.0-328.0	12.60-12.91	16	232	150	5.9	90	3.5	10	0.4	35	1.4	12	70	52
355.6	14.000	352.0-359.0	13.86-14.13	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
377.0	14.843	375.0-381.0	14.76-15.00	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
406.4	16.000	402.5-410.5	15.85-16.16	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
429.0	16.772	426.0-432.0	16.77-17.01	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
457.2	18.000	454.0-460.0	17.87-18.11	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
480.0	18.898	477.0-483.0	18.78-19.02	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
508.0	20.000	505.0-511.0	19.88-20.12	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
530.0	20.866	527.0-533.0	20.75-20.98	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
568.0	22.362	565.0-571.0	22.24-22.48	16	232	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
609.6	24.000	606.0-613.0	23.86-24.13	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
617.0	24.291	614.0-620.0	24.17-24.41	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52

Jointand –R-FLEX Pipe Joint

Technical parameter

mm metric system/in. British system

External diameter		Application scope		Working pressure		Joint dimension				Maximum distance of pipe end				Bolt	Bolt torque	
AD		Min- Max		PB		Width		Sealing lip interval		Clamping piece without steel		Clamping piece with steel				
mm	In.	mm	In.	bar	psi	mm	In.	mm	In.	mm	In.	mm	In.	M	Nm	Ft.lb
630.0	24.803	626.0-634.0	24.65-24.96	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
635.0	25.000	632.0-638.0	24.88-25.12	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
676.0	26.614	673.0-679.0	26.50-26.73	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
711.2	28.000	708.0-715.0	27.87-28.15	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
719.0	28.307	716.0-722.0	28.19-28.43	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
738.0	29.055	735.0-741.0	28.94-29.17	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
762.0	30.000	758.0-766.0	29.84-30.16	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
808.0	31.811	805.0-811.0	31.69-31.93	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
812.8	32.000	809.0-817.0	31.85-32.17	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
820.0	32.283	817.0-823.0	32.16-32.40	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
830.0	32.677	825.0-835.0	32.48-32.87	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
842.0	33.150	839.0-845.0	33.03-33.27	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
864.0	34.016	861.0-867.0	33.90-34.13	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
914.0	35.984	911.0-917.0	35.87-36.10	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
924.0	36.378	919.0-929.0	36.18-36.57	10	145	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1016.0	40.000	1011.0-1021.0	39.80-40.20	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1026.0	40.394	1021.0-1031.0	40.20-41.56	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1048.0	41.260	1043.0-1053.0	41.06-41.46	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1220.0	48.031	1215.0-1225.0	47.83-48.23	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1229.0	48.386	1224.0-1234.0	48.19-48.58	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1331.0	52.402	1326.0-1336.0	52.20-52.60	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1420.0	55.906	1415.0-1425.0	55.71-56.10	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1434.0	56.457	1429.0-1439.0	56.26-56.65	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1535.0	60.433	1530.0-1540.0	60.24-60.63	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52
1620.0	63.780	1615.0-1625.0	63.58-63.98	6	87	152	6.0	90	3.5	10	0.4	35	1.4	12	70	52

- Product testing pressure = 1.5XPB
- Product refers to DIN86128-1 and DIN86128-2 German standards
- Enterprise standard Q/320500 JTD001.2 -2018

Please refer to the following demonstrations for design, purchasing model selection expression methods:

J - GE - A108.0 - M1(M2/M3) - EPDM(NBR/MVQ)

Brand series Joint specification (pipe external diameter) shell material No. Rubber selection

Maximum diameter of joint produced by Jointand is 4,000 mm, maximum width of joint is 600mm.
Please consult Technical Department of Jointand for details about technical parameters.



For Kd Pahang periodic repair ,Jointand pipe joint for connection was used in oil and water systems.



Low-speed marine diesel engine produced by Shanghai CSSC-MES uses Jointand pipe joint for connection.



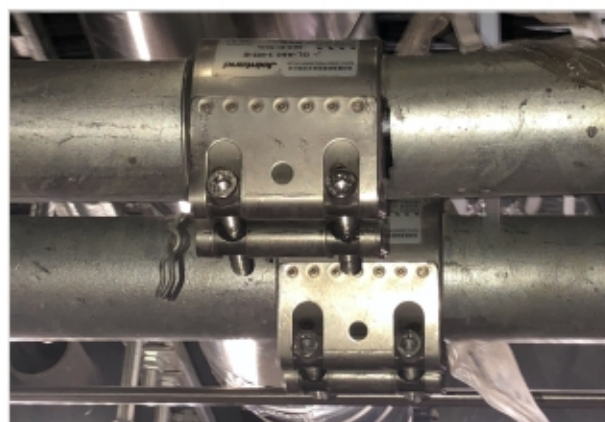
Roll-on roll-off ship built by Guangzhou Shipyard International uses Jointand pipe joint for high-temperature water system pipe connection.



The polar luxury cruise built by China Merchants Heavy Industry uses Jointand fire-resistant pipe joint for connection.



Marine sea water desalination equipment produced by Wärtsilä uses Jointand pipe joint.



High-speed vessel made by Yinghui uses Jointand pipe joint for connection.



Three Gorges hydroelectric power station, annular pipeline inside unit uses Jointand pipe joint for connection.



Japanese IHI compressor equipment uses Jointand GL pipe joint for connection.



Water treatment equipment of AIR PRODUCTS industrial gas engineering uses Jointand FLEX joint.



Compressor oil system pipeline uses Jointand pipe joint for connection.



Gas making processing equipment pipe with annual production of 600 thousand in SOPO Group uses Jointand pipe joint for connection.



Water system of tunnel laundry mentor uses Jointand pipe joint for connection.



Connection of metal pipe and HDPE pipe for Shanghai Pudong Airport T1 terminal expansion uses Jointand pipe joint.



Pipeline reconstruction of water system of high-rise buildings uses Jointand pipe joint for connection.



Two kinds of different metal pipelines of stainless steel pipe and carbon steel pipe in siphon system of Yangzhou Airport use Jointand pipe joint for connection.



Glass fiber reinforced plastic pipe uses Jointand FLEX pipe joint for connection, and saves flange and other complicated construction modes



Production line process pipeline of Chongqing Changan Ford Automobile uses Jointand pipe joint for connection.



Production line process pipe connection of Wuxi LANXESS Energizing Chemistry uses Jointand pipe joint for connection.



Sterilization machine equipment pipe of Kunshan Suntory uses Jointand pipe joint for connection.



Water treatment membrane equipment uses Jointand pipe joint for connection.



The newly built water conveyance project of Xiamen Water uses Jointand FLEX pipe joint for connection, eliminating traditional complicated construction mode.



The air-conditioning cooling water pipe uses Jointand pipe joint, eliminating the traditional welding procedure method.

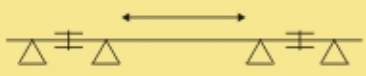
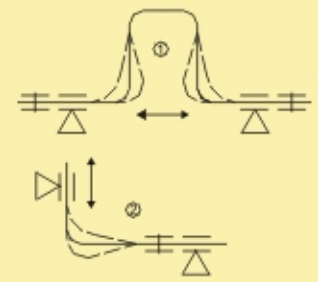
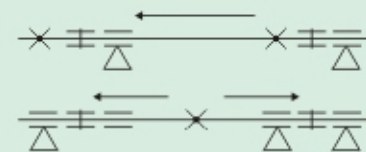
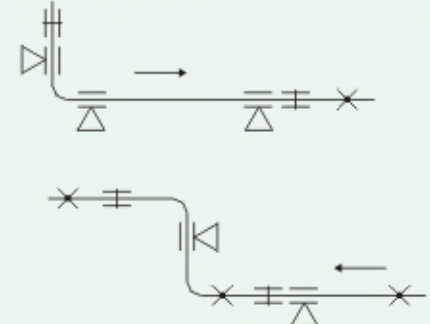


Wuhan Tap Water AD1620mm welding steel pipe uses Jointand FLEX pipe joint.



Xiamen Water uses Jointand dual-phase stainless steel pipe joint for rush repair for AD850mmHDPE pipe damage.

Typical Pipelining Diagram of Adopting Jointand Joint

Joint	Straight pipe diameter with axial displacement	Pipe section with axial displacement and angle change
Jointand HG/GL/ZL/FS/PE/GE joint (tension resistance in axial direction) A simple installation method only requires piping support. Axial displacement compensation can be completed via L- or U-elbow ① or angle deviation ②		
Jointand FLEX/R-FLEX joint (no tension resistance in axial direction) It is required to install one fixed point and one guide bracket at both ends of each pipe section close to joint. Small axial displacement compensation can be completed via joint itself.		

joint  bracket  guide bracket  fixed point  axial displacement 

Please consult the Technical Department of Jointand if you have any questions about the bracket installation.

Torque wrench

Select accurate torque wrench can guarantee the specified torque value for pipe joints of different dimensions.

Only when installing pipe joint as per technical requirements of Jointand, can it run safely on the long-term basis without leakage.

There kinds of torque wrench can be provided to install Jointand pipe joint and select torque wrench according to corresponding torque value of joint.

Wrench	96423	96424	96425
Torque range	10-50Nm	20-100Nm	40-200Nm

Allowable tolerance of torque value is $\pm 6\%$ of the set value and the torque wrench is made in Germany (ISO6789).



New Construction Concept Brought by Jointand Pipe Joint



The original pipe fittings are connected by butt welding and flanges, but now a large number of pipe joints can be used for connection, with performance greatly superior to the traditional process.



New series products
T-branch pipe joint with medium pressure
Caliber: AD57-AD323mm
Working pressure: 20bar
Rubber sealing: EPDM, NBR

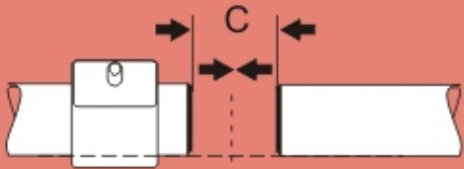
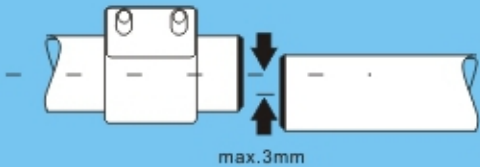
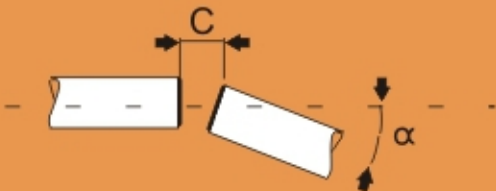
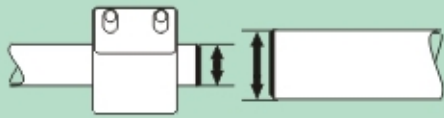
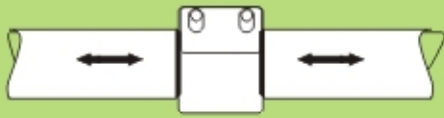


New series products
T-branch pipe joint installed with valves
Caliber: AD76.1-AD609.6mm
Working pressure: 10-25bar
Rubber sealing: EPDM, NBR



New series products
Reducing repairing connector
Caliber: AD20-AD108mm
Working pressure: 16bar
Rubber sealing: EPDM, NBR

Joint and Pipe Joint Installation Tolerance Sheet

	<ul style="list-style-type: none"> • Allowable maximum interval at both ends of pipe • Please refer to technical parameter sheet of product for details.
	<ul style="list-style-type: none"> • Not centering connection of axis $AD20.0mm - AD300mm \leq 1\%OD$ $> AD300mm \leq 3mm$
	<ul style="list-style-type: none"> • Angle deviation α $AD20.0mm - AD60.3mm$ 5° Plastic pipeline 6° $AD70mm - AD219.1mm$ 4° Plastic pipeline 5° $> AD219.1mm$ 2°
	<ul style="list-style-type: none"> • Pipe ellipse deviation connection $AD20.0mm - AD300mm \leq 2\%OD$ $> AD300mm \leq 5mm$
	<ul style="list-style-type: none"> • Reducer connection $AD20.0mm - AD300mm \leq 2\%OD$ $> AD300mm \leq 6mm$
	<ul style="list-style-type: none"> • Axial displacement compensation External diameter of pipe axial compensation Δ F/LF different axial displacement compensation R/LR different axial displacement compensation

Jointand-Pipe Joint Installation Program



1. Get rid of burr and sharp corners at pipe ends, and guarantee rubber seal will not be damaged when inserting joint.



2. Mark the half width of joint at end of two pipe sections, as installation instruction.



3. Cover pipe with joint, adjust tolerance scope of allowable pipe interval of joint.



4. Push joint to the set line scope.



5. Tighten joint screw according to torque set on joint shell.



6. Do not rotate pipe joint once it is tensioned.

Information provided in the manual is only general description or performance characteristics, product may be different from such description in the actual application, and changes incurred because of further R&D of product can also cause difference from description in the manual. Thus, commitments about relevant product performance characteristics will be subject to clear stipulations in contract clauses.

Jointand Safety Performance Test

The following test confirms to the standards of IACS URP 2.2 and DIN86128-1/86128-2 and enterprise standard Q/320500 JTD001.1 -2018 / 001.2-2018

- Sealing performance test
1.5×PB dwell pressure of 5 minutes
No liquid leakage or permanent deformation

- Vibration performance
3 × 10⁵ revolving speed
Amplitude ±0.06/±0.5/±1.5
Frequency 100/45/10 HZ

- Burst pressure test
4 × PB pressure-bearing
5 minutes of airtight

- Pull-out test
Test last 5 minutes, no leakage or other damage appears.

- Fire-resistant test
Conform to standards of ISO1992 and ISO19922
FS series products
Flame temperature 800℃ ± 50℃
60 minutes of fire resistance
Pressure test: 2×PB
5 minutes of airtight

- Vacuum test
0.017MP (absolute value)
minutes of irtight

- Repeated assembly test
10 times of assembly and disassembly
1.5×PB pressure test
5 minutes of airtight

- Pressure pulsation test
GL series products
Pressure pulsation range from 0 to 1.5×PB
revolving speed at 30-100/minute
revolving speed at 5×10⁵, no leakage or no permanent deformation

- Collision test
GL series products can withstand 200g speed acceleration in 0.02 seconds.

- Angle eviation test
The largest deviation angle s 0°
24bar;108mm
5 minutes of airtight

- Upsetting test
1 × PB pressure-bearing
Joint withstands 100kg with no leakage
20° angle deviation almost



