



# N·X·S PHILIPPINES



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C A T A L O G U E

*Expansion &  
Flexible Joints*

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# Stainless Steel Flexible Joint

## EH-500/500H

Used for pump to link with tube, absorbing vibration and reducing the noise.

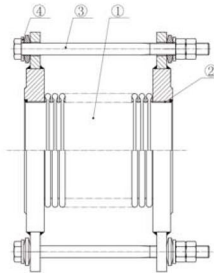


Welded Type



Non-Welded Type

Liquid contacting surface is molded with bellows without welding. Eliminate the corrosion of welded material.



### EH-500/500H Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	FCD40	SS400/SUS304/316/321
3	Tie Rods	S25C	
4	Gaskets	EPDM	Natural Rubber

### EH-500/500 Specification

Type	Nominal Bore 口径		Total Length		Bellows O.D. mm	Max Offset mm	Working Pressure kg/cm <sup>2</sup>
	mm	ins	mm	ins			
EH500 EH500H	50	2	150	6	70	15	10
							16
EH500 EH500H	65	2 1/2	150	6	86.5	14	10
							16
EH500 EH500H	80	3	150	6	101.5	12	10
							16
EH500 EH500H	100	4	150	6	128	10	10
							16
EH500 EH500H	125	5	150	6	156.5	8	10
							16
EH500 EH500H	150	6	150	6	183.5	8	10
							16
EH500 EH500H	200	8	200	8	234	8	10
							16
EH500 EH500H	250	10	200	8	289	6	10
							16
EH500 EH500H	300	12	200	8	341	5	10
							16

1/The size, total length and pressure tabulated above are standard. We can also produce products according your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

# Stainless Steel Flexible Joint

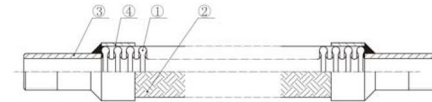
## EH-500T

# 3/04

### EH-500T Construction

1. Connecting facility to pipe system.
2. Connecting small-size pump to pipe system.
3. Flexible joint used in small-bore.

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Braids	SUS304	
3	Threads	SUS/CS	PT or NPT
4	Seal Rings	SUS304	SUS316



### EH-500T Specification

Type	Nominal Bore		Total Length		Bellows O.D. mm	Max Offset mm	Working Pressure kg/cm <sup>2</sup>
	mm	ins	mm	ins			
EH500T	15	1/2	250	10	18.7	20	16
EH500T	20	3/4	250	10	25.3	20	16
EH500T	25	1	250	10	32.6	20	16
EH500T	32	1 1/4	250	10	41.2	18	16
EH500T	40	1 1/2	300	12	47.7	16	16
EH500T	50	2	300	12	62.0	15	16
EH500T	65	2 1/2	350	14	82.0	14	16
EH500T	80	3	350	14	97.0	12	16

1/The size, total length and pressure tabulated above are standard. We can also produce products according your requirement.  
2/Threads: BSPT, NPT, etc.

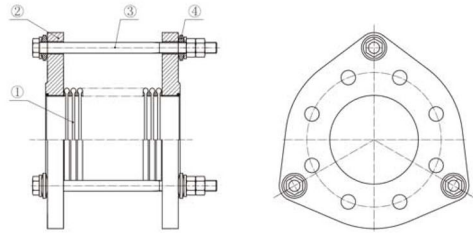
# Stainless Steel Flexible Joint

## EH-TPC

Used for pump to link with tube, absorbing vibration and reducing the noise. Integral flange makes strong and durable.

### EH-TPC Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	Q235B	SS400/SUS304/316/321
3	Tie Rods	S25C	
4	Gaskets	EPDM	



### EH-TPC Specification

Type	Nominal Bore		Total Length		Bellows O.D.	Max Offset	Working Pressure
	mm	ins	mm	ins	mm	mm	kg/cm <sup>2</sup>
TPC	50	2	150	6	70	15	10 16
TPC	65	2 1/2	150	6	86.5	14	10 16
TPC	80	3	150	6	101.5	12	10 16
TPC	100	4	150	6	128	10	10 16
TPC	125	5	150	6	156.5	8	10 16
TPC	150	6	150	6	183.5	8	10 16
TPC	200	8	200	8	234	8	10 16
TPC	250	10	200	8	289	6	10 16
TPC	300	12	200	8	341	5	10 16
TPC	350	14	200	8	402	5	10 16
TPC	400	16	200	8	452	5	10 16
TPC	450	18	200	8	507	5	10 16
TPC	500	20	250	10	563	5	10 16
TPC	600	24	300	12	673	5	10 16
TPC	700	28	300	12	773	5	10 16
TPC	800	32	300	12	875	5	10 16

1/The size, total length and pressure tabulated above are standard. We can also produce products according your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

# Stainless Steel Flexible Joint

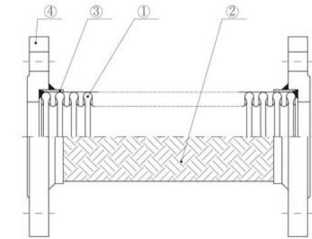
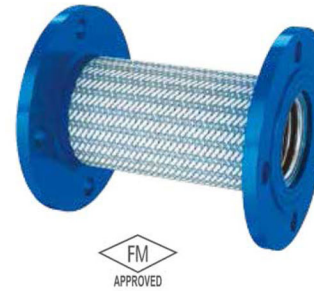
## EH-600/600M

# 5/06

Used for pump to link with tube absorbing vibration and reducing the noise. Applied for larger offset and where the installing space is limited.

### EH-600/600M Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Wire Braids	SUS304	
3	Seal Rings	SUS304	SUS316
4	Flanges	Q235B	SUS304/316/321



### EH-600/600M Specification

Type	Nominal Bore		Total Length	Bellows O.D.	Max Offset		Working Pressure
	mm	ins	mm	mm	mm	mm	kg/cm <sup>2</sup>
EH600	50	2	200	73.6	28	15	10
EH600M	50	2	300		33	18	16
EH600	65	2 1/2	200	88.0	24	13	10
EH600M	65	2 1/2	300		31	16	16
EH600	80	3	200	102	20	11	10
EH600M	80	3	300		24	14	16
EH600	100	4	200	128	18	9	10
EH600M	100	4	300		22	12	16
EH600	125	5	200	155	23	14	10
EH600M	125	5	300		24	16	16
EH600	150	6	200	185	20	12	10
EH600M	150	6	300		22	14	16
EH600	200	8	300	235	20	8	10
EH600M	200	8	300				16
EH600	250	10	300	286	17	8	10
EH600M	250	10	300				16
EH600	300	12	300	340	15	7	10
EH600M	300	12	300				16

1/The size, total length and pressure tabulated above are standard. We can also produce products according your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

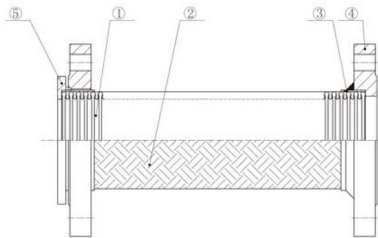


# Stainless Steel Flexible Joint

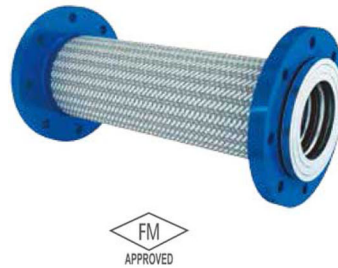
## EH-600M-L/600M-LH

### EH-600M-L/600M-LH Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Wire Braids	SUS304	
3	Seal Rings	SUS304	SUS316
4	Flanges	SS400	SUS304/316/321
5	Floating Flange or Fixed Flange	SS400	SUS304/316/321



Used in deformation joint to compensate the unequal settlement.



### EH-600M-L/600M-LH Specification

Nominal Bore		Total Length	Bellows O.D.	Max Offset	Working Pressure		
mm	ins	mm	mm	mm		EH-600M-L	EH600M-LM
40	1 1/2	500	56.0	50	10	16	
50	2	500	73.0	50	10	16	
65	2 1/2	500	88.0	50	10	16	
80	3	500	102	50	10	16	
100	4	600	128	50	10	16	
125	5	600	155	50	10	16	
150	6	600	185	50	10	16	
200	8	800	235	50	10	16	
250	10	1000	286	50	10	16	
300	12	1000	340	50	10	16	

1/The size, total length and pressure tabulated above are standard. We can also produce products according your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

# Stainless Steel Flexible Joint

## EH-400BW

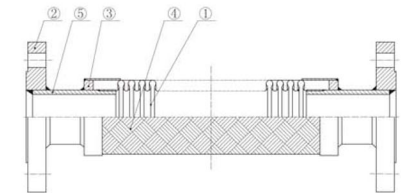
# 7/08

### EH-400BW Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316/321
3	Seal Rings	SUS304	SUS316
4	Wire Braids	SUS304	
5	Tube Ends	SS400	SUS304/316/321

### EH-400BW Stainless Steel Flexible Joint

EH-400BW flexible joint is made of SUS304 material, multiply bellows when used in high temperature and high pressure fluid, it can made a long service life in piping system.



### EH-400BW Specification

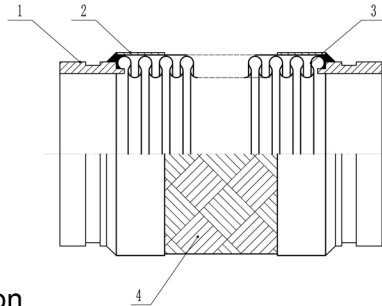
Nominal Bore		Total Length	Bellows O.D.	Working Pressure
ins	mm	mm	mm	kg/cm <sup>2</sup>
1 1/4	32	400	49.0	16
1 1/2	40	400	58.5	16
2	50	400	74.0	16
1 1/2	65	400	91.0	16
3	80	400	105	16
4	100	400	132	16
5	125	400	163	16
6	150	400	194	16
8	200	400	252	16
10	250	400	312	16
12	300	400	366	16

1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

## Stainless Steel Flexible Joint

### EH-600G

EH-600G, grooved end flexible joint, used for pump to link with tube, absorbing vibration and reducing the noise.



#### Construction

Item	Parts	Material	Remark
1	Grooved End	C.S.	SUS304/316/321
2	Seal Ring	SUS304	SUS316/321
3	Bellows	SUS304	SUS316/321
4	Braids	SUS304	

#### Specification

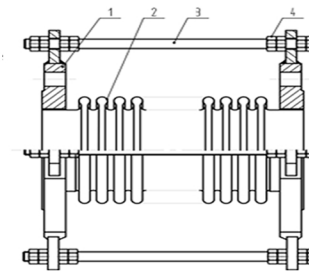
Nominal Bore		Total Length	Max Offset	Working Pressure
mm	ins	mm	mm	bar
50	2	300	18	16
65	2 1/2	300	16	16
80	3	300	14	16
100	4	300	12	16
125	5	300	12	16
150	6	350	12	16
200	8	400	8	16
250	10	400	8	16
300	12	400	8	16
350	14	400	7	16
400	16	450	7	16

The size, total length and working pressure above are standard.  
We can produce as customer's requirement.

## Stainless Steel Expansion Joint

### EH-400

EH-400, expansion joint is made of stainless steel, multiply bellows with features of lower elasticity coefficient, high-temperature and high-pressure resisting. Applied to compensate the expansion and compression of pipe system. It can make a long service life in piping system.



#### Construction

Item	Parts	Material	Remark
1	Flanges	C.S.	SUS304/316/321
2	Bellows	SUS304	SUS316/321
3	Tie Rods	C.S.	SUS304/316/321
4	Nuts	C.S.	SUS304/316/321

#### Specification

Nominal Bore		Total Length	Bellows OD	Force to Compress	Effective Area	Axial Movement	Working Pressure
mm	ins	mm	mm	kg	cm <sup>2</sup>	mm	bar
40	1 1/2	200	58	75	17.6	+10, -30	16
50	2	200	76	110	30.4	+10, -30	16
65	2 1/2	200	92	205	43.8	+10, -30	16
80	3	200	106	261	62.8	+10, -30	16
100	4	200	133	303	107.7	+10, -30	16
125	5	200	163	630	162.9	+10, -30	16
150	6	200	190	1154	227.5	+10, -30	16
200	8	250	252	1905	385.3	+10, -30	16
250	10	250	315	1932	670.1	+10, -30	16
300	12	250	366	2353	923.5	+10, -30	16
350	14	300	398	2192	1102	+10, -30	16
400	16	300	462	2689	1464	+10, -30	16
500	20	350	564	3322	2235	+10, -30	16
600	24	350	666	3956	3167	+10, -30	16

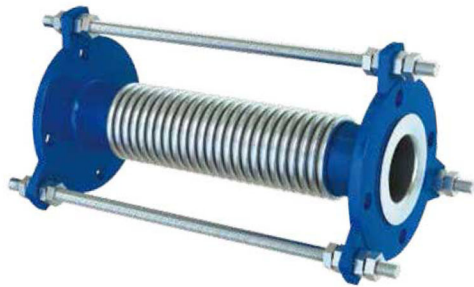
The size, total length and working pressure above are standard. We can produce as customer's requirement.  
Flange standard: ANSI, BS, EN, GB, JIS etc.

# Stainless Steel Expansion Joint

## EH-150SG

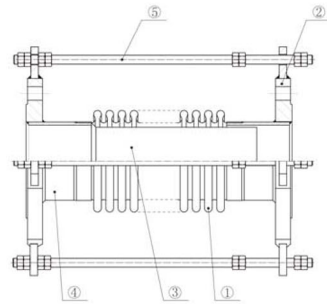
EH-150SG OMEGA Expansion Joint can release the stress distributing to every point averagely. It can do the best effective to absorb the expansion (compression) of pipe line.

Liquid contacting surface is molded with bell-lows without welding. Eliminate the corrosion of welded material.



### Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	FCD40	SS400/SUS304/316/321
3	Internal Sleeve	SUS304	SUS316
4	Tube Ends	FCD40	SS400/SUS304
5	Tie Rods	SS400	



### Specification

Nominal Bore		Total Length	Bellows O.D.	Force to Compress	Effective Area	Axial Movement	Working Pressure
mm	ins	mm	mm	kg	cm <sup>2</sup>	mm	kg/cm <sup>2</sup>
40	1 1/2	300	60.0	150	22.2	+10 -40	10
50	2	300	78.0	180	34.5	+10 -40	10
65	2 1/2	300	92.0	240	52.5	+10 -40	10
80	3	300	108	260	71.2	+10 -40	10
100	4	300	132	280	110.5	+10 -40	10
125	5	300	163	400	168.7	+10 -40	10
150	6	300	190	530	233.9	+10 -40	10
200	8	300	243	650	389.1	+10 -40	10
250	10	300	295	750	592.2	+10 -40	10
300	12	300	345	850	829.7	+10 -40	10

1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., J.B, etc.

# Stainless Steel Expansion Joint

## EH-250

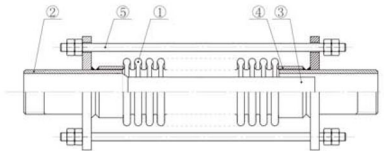
# 9/10

Used in outdoor or bad external environment. External cover or tie rods are optional.



### Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Tube Ends	SGP	SUS304
3	Internal Sleeve	SUS304	
4	Seal Rings	SUS304	
5	Tie Rods	S25C	SUS304



### Specification

Nominal Bore		Total Length	Bellows O.D.	Force to Compress	Effective Area	Axial Movement	Working Pressure
mm	ins	mm	mm	kg	cm <sup>2</sup>	mm	kg/cm <sup>2</sup>
15	1/2	250	25	34	5.4	+5 -25	10
20	3/4	250	32	34	5.4	+5 -25	10
25	1	250	38	31	8.2	+5 -25	10
32	1 1/4	350	49	135	17.9	+10 -40	10
40	1 1/2	350	62	150	22.4	+10 -40	10
50	2	350	76.2	180	34.2	+10 -40	10
65	2 1/2	350	92	210	53	+10 -40	10
80	3	350	108	250	71	+10 -40	10
100	4	350	134	287	112.3	+10 -40	10
125	5	350	162	504	167.9	+10 -40	10
150	6	350	190	539	235.5	+10 -40	10
200	8	350	252	564	389.5	+10 -40	10
250	10	350	313	750	592.2	+10 -40	10
300	12	350	362	850	829.7	+10 -40	10

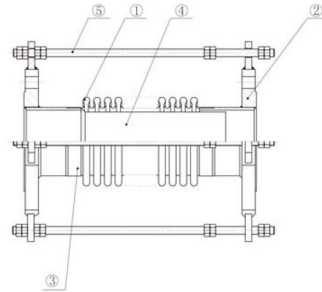
1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Threads: BSPT, NPT, etc.



# Stainless Steel Expansion Joint

## EH-400SG

EH-400SG Expansion Joint is made of SUS304 material, multiply bellows with features of lower elasticity coefficient, high-temperature and high-pressure resisting, applied to absorb the expansion (compression) of the HTM fluid pipeline. It can make a long service life in piping system.



### Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316/321
3	Tube Ends	SS400	SUS304
4	Internal Sleeve	SUS304	SUS316
5	Tie Rods	SS400	SUS304

### Specification

Nominal Bore		Total Length	Bellows O.D.	Force to Compress	Effective Area	Axial Movement	Working Pressure
mm	ins	mm	mm	kg	cm <sup>2</sup>	mm	kg/cm <sup>2</sup>
40	1 1/2	350	58	75	17.6	+10 -40	16
50	2	350	76	110	30.4	+10 -40	16
65	2 1/2	350	92	205	43.8	+10 -40	16
80	3	350	106	261	62.8	+10 -40	16
100	4	350	133	303	107.7	+10 -40	16
125	5	350	163	630	162.9	+10 -40	16
150	6	350	190	1154	227.5	+10 -40	16
200	8	350	252	1905	385.3	+10 -40	16
250	10	350	315	1932	670.1	+10 -40	16
300	12	350	366	2353	923.5	+10 -40	16
350	14	400	398.1	2192	1102	+10 -40	16
400	16	400	462.8	2689	1464	+10 -40	16
500	20	450	564	3322	2235	+10 -40	16
600	24	500	666	3956	3167	+10 -40	16

1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

# Stainless Steel Expansion Joint

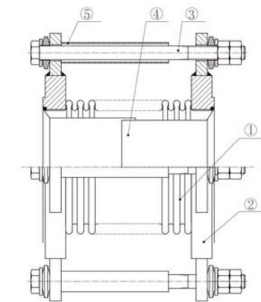
## EH-500HE

# 11/12

EH-500HE Expansion Joint is made of SUS304 material, multiply bellows. When used in high temperature and high pressure fluid, it can make a long service life in piping system.

### Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316/321
3	Tie Rods	SS400	
4	Internal Sleeve	SUS304	2PCS
5	Limit Pipe	SUS304	SS400



### Specification

Nominal Bore		Total Length	Bellows O.D.	Force to Compress	Effective Area	Axial Movement	Working Pressure
mm	ins	mm	mm	kg	cm <sup>2</sup>	mm	kg/cm <sup>2</sup>
40	1 1/2	150	58	75	20.4	+10 -20	25
50	2	150	76	110	34.2	+10 -20	25
65	2 1/2	150	92	261	51.5	+10 -20	25
80	3	150	106	205	70.1	+10 -20	25
100	4	150	133	303	110.5	+10 -20	25
125	5	150	163	630	168.7	+10 -20	25
150	6	150	190	1154	233.9	+10 -20	25
200	8	200	252	1320	389.1	+10 -35	16
250	10	200	292	1532	592.2	+10 -35	16
300	12	200	366	1780	829.7	+10 -35	16

1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.



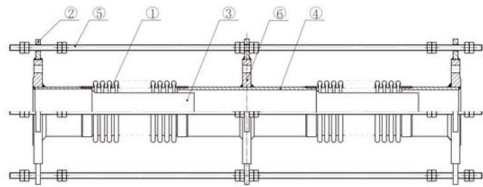
# Stainless Steel Expansion Joint

## EH-700/700H

EH-700 OMEGA Expansion Joint, can release the stress distributing to every point averagely. It can do the best effective to absorb the expansion (compression) of pipe line. EH-700 is designed to absorb large amounts of axial movement.

### EH-700/700H组成元件表 Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316/321
3	Internal Sleeve	SUS304	
4	Tube Ends	SS400	
5	Tie Rods	SS400	
6	Support Flange	SS400	



EH-7001



EH-7002

### Specification

Nominal Bore		Total Length	Bellows O.D.	Effective Area	Axial Movement	Working Pressure	
mm	ins	mm	mm	cm <sup>2</sup>	mm	EH700	EH700H
40	1 1/2	700	60	22.2	+20 -80	10	16
50	2	700	78	34.5	+20 -80	10	16
65	2 1/2	700	92	52.5	+20 -80	10	16
80	3	700	107	71.2	+20 -80	10	16
100	4	900	130	110.5	+20 -80	10	16
125	5	900	163	168.7	+20 -80	10	16
150	6	900	190	233.9	+20 -80	10	16
200	8	900	243	389.1	+20 -80	10	16
250	10	900	295	529.2	+20 -80	10	16
300	12	900	345	829.7	+20 -80	10	16

1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

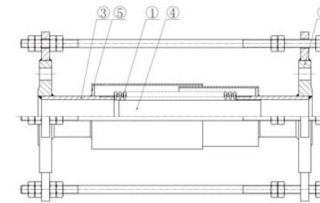
# Stainless Steel Expansion Joint

## EH-1000/1000H 13/14

### Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316/321
3	Tube Ends	SS400	SUS304/316
4	Internal Sleeve	SUS304	SUS316
5	External Cover	STPG	SUS304/316

Applicable to the case of bad environment, with external cover.



### Specification

Type	Nominal Bore		Total Length	Bellows O.D.	Force to Compress	Effective Area	Axial Movement	Working Pressure
	mm	ins	mm	mm	kg	cm <sup>2</sup>	mm	kg/cm <sup>2</sup>
EH-1000	40	1 1/2	400	78	150	22.2	+10 -30	10
EH-1000H	40	1 1/2	400	78	75	17.6	+10 -40	16
EH-1000	50	2	400	96	180	34.4	+10 -35	10
EH-1000H	50	2	400	96	110	30.4	+10 -35	16
EH-1000	65	2 1/2	400	112	280	52.5	+10 -40	10
EH-1000H	65	2 1/2	400	112	261	43.8	+10 -40	16
EH-1000	80	3	400	126	260	71.2	+10 -40	10
EH-1000H	80	3	400	126	205	62.8	+10 -40	16
EH-1000	100	4	400	153	280	110.5	+10 -40	10
EH-1000H	100	4	400	153	303	107.7	+10 -40	16
EH-1000	125	5	400	183	400	168.7	+10 -40	10
EH-1000H	125	5	400	183	630	162.9	+10 -30	16
EH-1000	150	6	400	210	530	233.9	+10 -40	10
EH-1000H	150	6	400	210	1154	227.5	+10 -35	16
EH-1000	200	8	400	273	650	389.1	+10 -35	10
EH-1000H	200	8	400	273	1905	385.3	+10 -40	16
EH-1000	250	10	400	336	750	592.2	+10 -40	10
EH-1000H	250	10	400	336	1932	670.1	+10 -40	16
EH-1000	300	12	400	388	850	829.7	+10 -40	10
EH-1000H	300	12	400	388	2353	923.5	+10 -40	16

1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

# Stainless Steel Expansion Joint

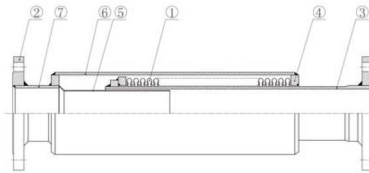
## EH-1100/1100H



1. One or more bellows are connected by the middle tube, welded with inner sealing plate and sealing base plate, the two parts are respectively connected with the outer tube.
2. Mainly used for absorbing large axial movement, with the feature of good performance for keep temperature and removing the residual medium.

### Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316/321
3	Sleeve Pipe	STPG/SS400	SUS304/316
4	Ring Plates	SS400	SUS304/316
5	Internal Sleeve	SUS304	SUS316
6	Cover Pipe	STPG/SS400	SUS304/316
7	Tube Ends	STPG/SS400	SUS304/316



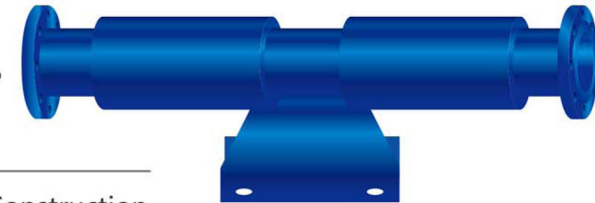
### Specification

Nominal Bore		Total Length	Bellows O.D.	Force to Compress	Effective Area	Axial Movement	Working Pressure
mm	ins	mm	mm	kg	cm <sup>2</sup>	mm	kg/cm <sup>2</sup>
32	1 1/4	600	49.0	60.0	14.5	+50 -50	10 16
40	1 1/2	600	58.0	75.0	17.6	+60 -60	10 16
50	2	600	76.0	110	30.4	+60 -60	10 16
65	2 1/2	700	92.0	205	43.8	+70 -70	10 16
80	3	700	106	261	62.8	+80 -80	10 16
100	4	700	133	303	107.7	+80 -80	10 16
125	5	700	163	630	162.9	+80 -80	10 16
150	6	900	190	1154	227.5	+100 -100	10 16
200	8	900	252	1905	385.3	+100 -100	10 16
250	10	900	315	1932	670.1	+100 -100	10 16
300	12	900	366	2353	923.5	+100 -100	10 16
350	14	1100	398.1	2192	1102	+110 -110	10 16
400	16	1100	462.8	2689	1464	+120 -120	10 16
500	20	1100	564	3322	2235	+120 -120	10 16
600	24	1200	666	3956	3167	+120 -120	10 16

1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

# Stainless Steel Expansion Joint

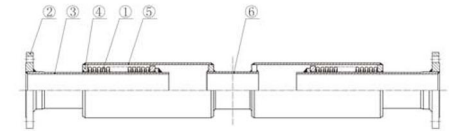
## EH-1100F/1100HF 15/16



1. One or more bellows are connected by the middle tube, welded with inner sealing plate and sealing base plate, the two parts are respectively connected with the outer tube.
2. Mainly used for absorbing large axial movement, with the feature of good performance for keep temperature and removing the residual medium.

### Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316/321
3	Sleeve Pipe	STPG/SS400	SUS304/316
4	Ring Plates	SS400	SUS304/316
5	Cover Pipe	STPG/SS400	SUS304/316
6	Tube Ends	STPG/SS400	SUS304/316



### Specification

Nominal Bore		Total Length	Bellows O.D.	Force to Compress	Effective Area	Axial Movement	Working Pressure
mm	ins	mm	mm	kg	cm <sup>2</sup>	mm	kg/cm <sup>2</sup>
32	1 1/4	1200	49.0	60.0	14.5	+100 -100	10 16
40	1 1/2	1200	58.0	75.0	17.6	+120 -120	10 16
50	2	1200	76.0	110	30.4	+120 -120	10 16
65	2 1/2	1400	92.0	205	43.8	+140 -140	10 16
80	3	1400	106	261	62.8	+160 -160	10 16
100	4	1400	133	303	107.7	+160 -160	10 16
125	5	1400	163	630	162.9	+160 -160	10 16
150	6	1800	190	1154	227.5	+200 -200	10 16
200	8	1800	252	1905	385.3	+200 -200	10 16
250	10	1800	315	1932	670.1	+200 -200	10 16
300	12	1800	366	2353	923.5	+200 -200	10 16
350	14	2200	398.1	2192	1102	+220 -220	10 16
400	16	2200	462.8	2689	1464	+240 -240	10 16
500	20	2200	564	3322	2235	+240 -240	10 16
600	24	2400	666	3956	3167	+240 -240	10 16

1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

# Stainless Steel Expansion Joint

## EH-1200



- Both sides have the bellows, also there is bellows in the middle. The compensator withstands the intrinsic pressure force through the stress component. Absorbing axial movement and balancing the internal pressure.
- The axial displacement compensation control system, the internal pressure keep their balance.
- Normally used in overhead straight lines, horizontal installed.

Pressure Balance

$$P \cdot A1 = P \cdot A4$$

$$F1 = F4$$

$$P \cdot A2 = P \cdot A3$$

$$F2 = F3$$

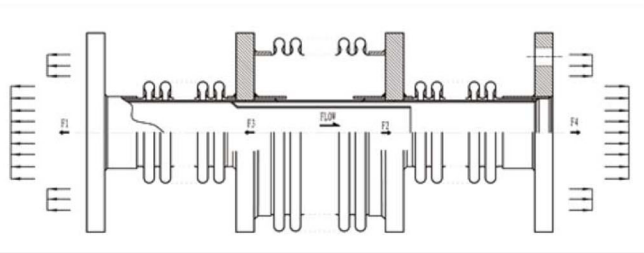
$$\rightarrow F1 = F2$$

The way of the force passing

1/ Tie Rods

2/ Tie Sleeve

3/ Tie Rods & Tie Sleeve



### Other Type Balance Pressure Expansion Joint



EH-1201



EH-1202



EH-1203

# Stainless Steel Universal Expansion Joint

# 17/18

## EH-800/800H



Universal expansion should be installed offset to absorb the movement. When installed, it must be at the fully extended length and at 90° to the line of movement. The tie rods can't be adjusted or removed to ensure the proper functioning of the unite.



### Construction

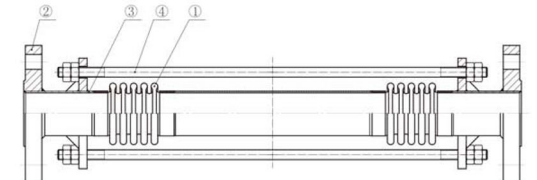


One Plane System  
It can be instead of two hinged joints to absorb the movement.



Two Planes System  
It can be instead of low gimbal joints. Maybe used in the offset pipe as shown.

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316/321
3	Tube Ends	SGP	SUS304
4	Tie Rods	SS400	SUS304



### Specification

Nominal Bore		Bellows O.D.	Force to Deflect Max.	Length to ±25mm Lateral Mvmt	For Each Extra ±25mm	Working Pressure kg/cm²	
mm	ins	mm	kg	mm	cm²	EH800	EH800H
50	2	76	4.0	600	210	10	16
65	2 1/2	92	10.6	600	210	10	16
80	3	106	8.1	700	210	10	16
100	4	133	8.9	700	210	10	16
125	5	163	28.7	750	210	10	16
150	6	190	37.7	750	210	10	16
200	8	252	73.3	800	210	10	16
250	10	315	165	800	240	10	16
300	12	366	205	1000	360	10	16
350	14	396	266	1000	360	10	16
400	16	460	432	1000	360	10	16
500	20	561	470	1200	480	10	16
600	24	663	791	1200	480	10	16

1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.



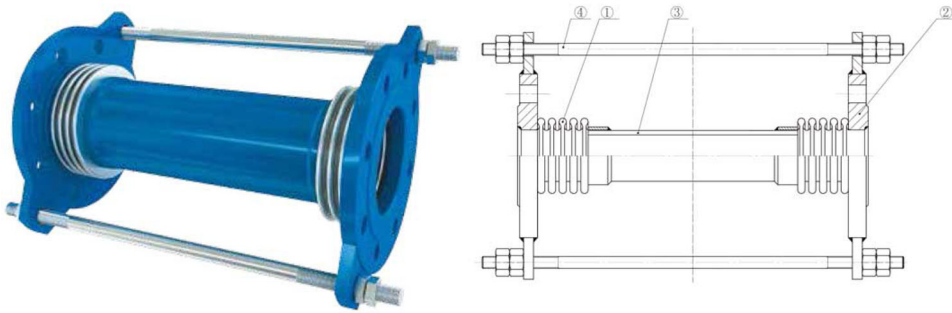
# Stainless Steel Universal Expansion Joint

## EH-810/810H

### Construction

Universal expansion should be installed offset to absorb the movement. When installed, it must be at the fully extended length and at 90° to the line of movement. The tie rods can't be adjusted or removed to ensure the proper functioning of the unite.

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316/321
3	Tube End	SGP	SUS304
4	Tie Rods	SS400	SUS304



### Specification

Nominal Bore		Total Length		Length	Movement		Working Pressure kg/cm	
mm	ins	mm	mm	mm	轴向mm	横向mm	EH-810	EH-810H
50	2	350	40	±5	±50	10	16	16
65	1 1/4	400	50	±5	±50	10	16	16
80	3	400	48	±5	±50	10	16	16
100	4	500	48	±5	±50	10	16	16
125	5	600	60	±5	±50	10	16	16
150	6	600	75	±5	±50	10	16	16
200	8	700	75	±5	±50	10	16	16
250	10	700	100	±5	±50	10	16	16
300	12	1100	100	±5	±50	10	16	16
350	14	1200	100	±5	±50	10	16	16
400	16	1200	120	±5	±50	10	16	16
500	20	1300	120	±5	±50	10	16	16
600	24	1400	120	±5	±50	10	16	16

1/The size, total length, pressure and movement tabulated above are standard. We can also produce products according your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

# Stainless Steel Universal Expansion Joint

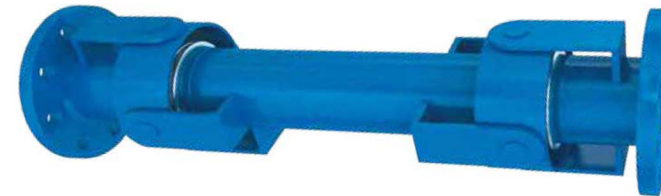
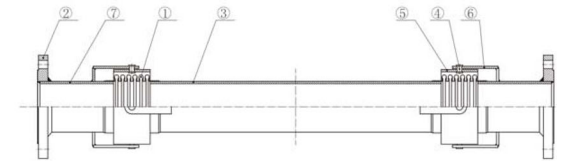
## EH-900/900H

# 19/20

### CONSTRUCTION

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316
3	Tube End	SGP/SS400	SUS304/316
4	Pins	SS400	SUS304
5	Gimbal Rings	SS400	SUS304
6	Brackets	SS400	SUS304
7	End Pipes	SGP/SS400	SUS304/316

It is mainly to compensate multiplane displacement of the synthesis of curved duct is deflection angle. Because the equalizing ring, shaft and the flap can withstand the pressure thrust and other additional external force function, the inflation festival self-absorption intrinsic pressure thrust force, will have the external force to the pipeline, therefore the pipeline support's establishment may simplify. Universal selfing bellows to compensate for any upward angular displacement of the pipeline.



### Specification

Nominal Bore		Total Length		Bellows Outside Diameter	Effectice Area	Lateral Deflection	Working Pressure kg/cm	
mm	ins	mm	mm	mm	cm <sup>2</sup>	mm	EH-900	EH-900H
50	2	900	76	30.4	200	10	16	16
65	2 1/2	900	92	43.8	200	10	16	16
80	3	1000	106	62.8	200	10	16	16
100	4	1100	133	107.7	200	10	16	16
125	5	1250	163	162.9	200	10	16	16
150	6	1250	190	227.5	200	10	16	16
200	8	1400	252	385.3	200	10	16	16
250	10	1500	315	670.1	200	10	16	16
300	12	1600	366	923.5	200	10	16	16
350	14	1700	398.1	1102	200	10	16	16
400	16	1800	462.8	1464	200	10	16	16
500	20	1900	564	2235	200	10	16	16
600	24	2200	666	3167	200	10	16	16

1/The size, total length, pressure and movement tabulated above are standard. We can also produce products according your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.



# Injection Slip Joint

## EH-1400

Injection Slip Joint can absorb the expansion and compression caused by the the temperature, and pipeline deformation caused by the building settlement. Used for fire fighting pipeline, steam pipeling, and hot water pipeline.

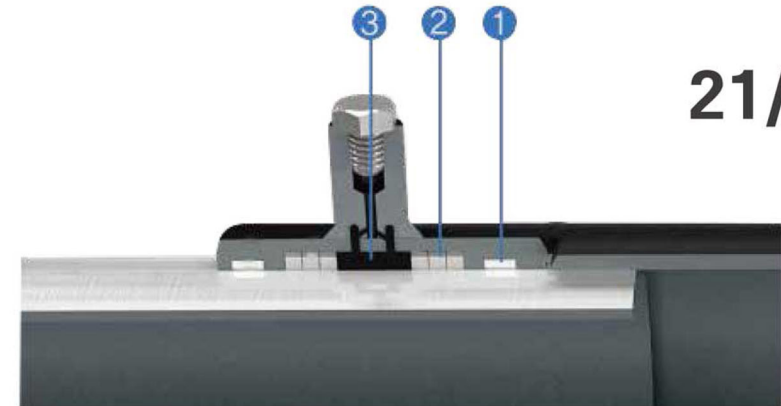
### Injection Slip Expansion Joint-Single Type

Nominal Bore	Movement/ Total Length		
	100MM	200MM	300MM
20	600	800	1000
25	600	800	1000
32	600	800	1000
40	600	800	1000
50	600	800	1000
65	600	800	1000
80	700	900	1200
100	700	900	1200
125	700	900	1200
150	800	1000	1200
200	800	1000	1200
250	800	1000	1200
300	800	1000	1200
350	1000	1150	1300
400	1000	1150	1300
500	1000	1150	1300
600	1000	1150	1300
700	1200	1400	1500



### Injection Slip Expansion Joint-Double Type

Nominal Bore	Movement/ Total length	
	200MM 100+100	400MM (200+200)
20	1000	1400
25	1000	1400
32	1000	1400
40	1000	1400
50	1000	1400
65	1000	1400
80	1200	1500
100	1200	1500
125	1300	1500
150	1300	1500
200	1300	1600
250	1300	1600
300	1300	1600
350	1300	1600
400	1300	1800
500	1400	1800
600	1400	1800
700	1500	1900



21/22

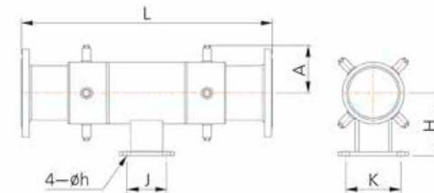
### Parts & Functions

With the feature of small friction, guiding the injection slip joint's axial movement.

To keep the airtight and prevent leakage.

Graphite Flake Recharge Packing--Recharge when water leakage occurs.

### Recharge Fitting Orientation

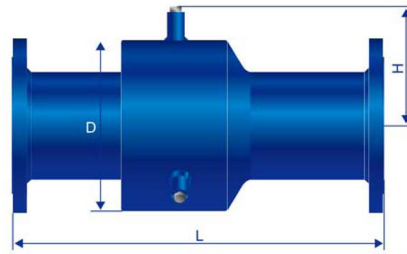


SIZE			
		20A ~ 100A	125A ~ 150A
SIZE			
		300A ~ 350A	400A ~ 450A

# Injection Ball Joint

EH-1500

The ball joint is mainly used in a plane pipe system, absorbing the compression and expansion of the pipe along the vertical direction of axial line. The fixed bracket only need to be set up according to the twists torque on the fixed point and guide friction of the pipe, as the joint can be twisted and absorb the pipe thrust of the pipe. The small force applied to the fixed bracket can ensure the safety of the building and simplify the structure of the fixed bracket, which can reduce the cost of the project.

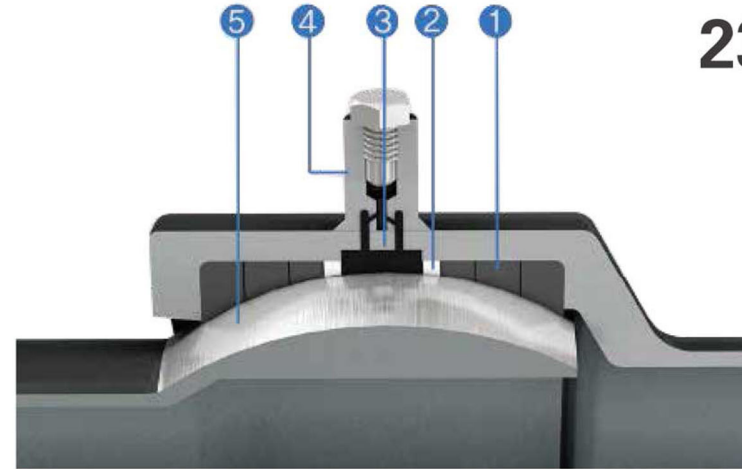


Recharge Fitting Orientation

S I Z E			
	20A ~ 100A	125A ~ 150A	200A ~ 250A
S I Z E			
	300A ~ 350A	400A ~ 450A	500A ~ 700A

1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

23/24



## Parts&Functions

### 1、Guide Ring

As it is made of compressed metal, the friction is small having the function of guiding the ball joint swinging smoothly, at the same time provide the exactly swing torque.

### 2、Packaging Ring

Made of graphite, preventing the leakage of the injected infilling and maintaining the density of the infilling material.

### 3、Filler for Keeping Airtight

Inject the Graphite Flake Recharge Packing to keep the ball joint airtight. Recharge when leakage occurs.

### 4、Recharge Package

Filler opening for recharge packing. There should be more than 2 according to the ball joint's size.

### 5、Ball

The body of the joint, by the fine processing, which makes the joint swing smoothly.

# Stainless Steel Hinged Expansion Joint

## EH-1600/1600H

Absorbing the angular displacement of single-plane.

- Two or three stainless steel compensator use together.
- The installation of stainless steel compensator must maintains the hinged rotation plane and the displacement plane consistent.



### Construction

Item	Parts	Material	Remark
1	Bellows	SUS304	SUS316/321
2	Flanges	SS400	SUS304/316/321
3	Tube End	SGP/SS400	SUS304/316
4	Hinged Pins	SS400	SUS304
5	Hinged Arms	SUS304	SUS304

### Specification

Nominal Bore		Total Length	Bellows Outside Diameter	Effect Area	Angular Rotation	Working Pressure kg/cm <sup>2</sup>	
mm	ins	mm	mm	cm <sup>2</sup>	△(degrees)	EH-1600	EH-1600H
32	1 1/4	200	49	14.5	20	10	16
40	1 1/2	200	58	17.6	20	10	16
50	2	200	76	30.4	20	10	16
65	2 1/2	250	92	43.8	19	10	16
80	3	250	106	62.8	19	10	16
100	4	250	133	107.7	15	10	16
125	5	250	163	162.9	13	10	16
150	6	250	190	227.5	12	10	16
200	8	300	252	385.3	12	10	16
250	10	350	315	670.1	11	10	16
300	12	350	366	923.5	10	10	16
350	14	350	398.1	1102	10	10	16
400	16	400	462.8	1464	10	10	16
500	20	400	564	2235	10	10	16
600	24	400	666	3167	10	10	16

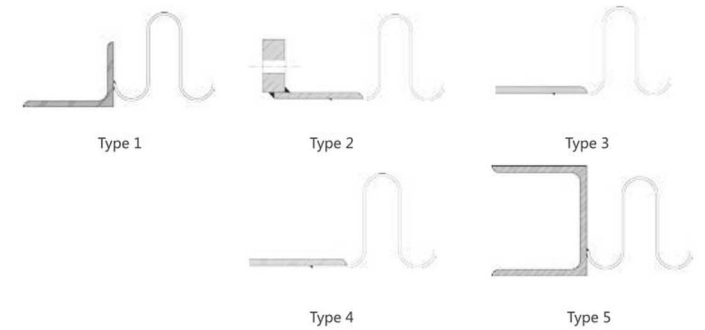
1/The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.  
2/Flange: JIS, ANSI, DIN, B.S., JB, etc.

# Stainless Steel Square Expansion Joint

# 25/26

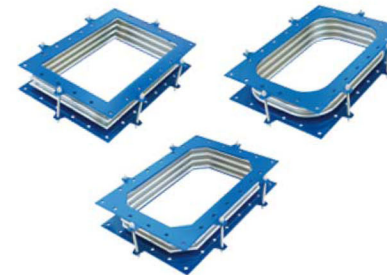
## EH-1700

### EH-1700H

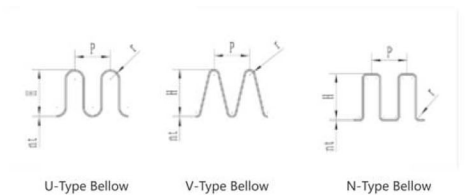


### Single Angle

### Arc Angle



### Double Angle



# Stainless Steel Flexible Tube

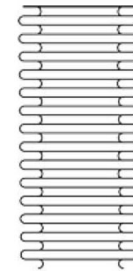
## Introduction

Stainless Steel flexible tubes are widely used in automobile, shipbuilding, construction, chemical industry, semiconductor industry, gas and nuclear-power projects, etc. for the feature of flexible, vibration absorbing, corrosion resisting, heat-resisting, pressure resisting.



### Tube Type

Classification	Pressure Range	Tube Name	Features	Diameter	Main Application		
					Fix	Operation	Vibration
Flexible Metal Hose	High Pressure	Annular	With lower resistance coefficient, and spiral shape, it has excellent compressive strength and excellent durability.	1/4~2	○	○	○
		Spiral Tube	General-purpose tube developed through a high-speed, multiconvolution, deep-drawn molding process, with high durability due to superior spring elasticity.	1/4~2-1/2	○	○	○
		ΩTube	General-purpose tube designed for a broad range of applications. Produced through the revolutionary omega molding process that minimizes material stress.	1~24	○	○	○
		Ulira-Soft	Ultra-flexible tube is made of thin, fine materials for superior durability.	1/4~2	○	○	○
	Higher Pressure	Ufo	High-quality, multi-ply tube.	1/4~2	○	○	○
2ply-Ω		Tuf omega tube is double-layered to greatly improve pressure and impulse resistance.	1-1/2~16	○	○	○	



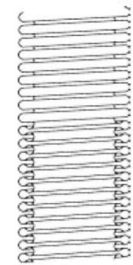
Super Annular

### Construction

1. Annular corrugations
2. Even thickness throughout the corrugations
3. Excellent durability.
4. It can remove the disadvantage of spiral type..

Material: SUS304/SUS316L

Nominal Bore		Measure of Tubes		Minimum Bending Radius		Max Pressure ( Mpa )	Destruction Pressure	Weight ( kg/m )
mm	inch	in dia	out dia	fix	repetition			
8A	1/4	8.0	11.7	20	60	6.57	49.03	0.215
10A	3/8	10	14.3	30	100	7.35	38.25	0.280
15A	1/2	15	20	35	125	5.00	24.52	0.327
20A	3/4	20	26.2	40	130	3.82	17.65	0.476
25A	1	25.4	31.5	70	190	4.41	23.54	0.811
32A	1 1/4	32	38.6	90	205	3.63	15.20	0.953
40A	1 1/2	40	48.9	125	235	3.43	14.22	1.339
50A	2	50	59.3	190	270	3.14	8.83	1.617



Excellent Spiral Tube

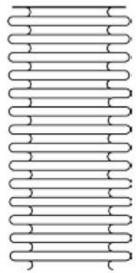
### Construction

Excellent durability and excellent pressure resistance.

Material: SUS 304

Nominal Bore		Measure of Tubes		Minimum Bending Radius		Max Pressure ( Mpa )	Destruction Pressure	Weight ( kg/m )
mm	inch	in dia	out dia	fix	repetition			
8A	1/4	6.8	10.8	25	80	10.62	56.58	0.215
10A	3/8	10	15	30	100	9.77	37.59	0.340
15A	1/2	13	18.7	50	140	6.12	23.57	0.410
20A	3/4	18.7	25.3	70	150	4.25	16.38	0.625
25A	1	24.8	32.6	80	160	5.59	21.53	1.035
32A	1 1/4	32	41.2	100	170	3.45	13.29	1.225
40A	1 1/2	37.3	47.7	150	240	3.83	14.75	1.780
50A	2	50	62	200	270	2.21	8.53	2.130





Omega Bellows

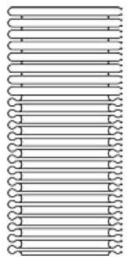
Nominal Bore		Measure of Tubes		Minimum Bending Radius		Max Pressure ( Mpa )	Destruction Pressure	Weight ( kg/m )
mm	inch	in dia	out dia	fix	repetition			
25A	1	26.5	37	80	160	3.91	17.62	1.024
32A	1 1/4	32.0	47	100	170	1.72	17.14	1.450
40A	1 1/2	40.5	55	110	180	3.04	11.71	1.944
50A	2	53.0	71	120	200	1.81	6.97	2.680
65A	2 1/2	66.5	85.4	140	225	1.91	8.73	3.705
80A	3	78.0	101	200	250	1.24	6.30	4.196
90A	3 1/2	92.0	117	220	275	0.99	5.78	4.655
100A	4	103	127	240	300	1.17	4.78	5.390
125A	5	128	154	350		1.19	4.58	7.618
150A	6	151.5	181	400		0.85	3.29	8.589
175A	7	177	207	500		0.80	5.78	12.380
200A	8	202.5	233.5	600		0.96	3.73	14.668
225A	9	226.5	259.5	650		0.92	3.57	18.425
250A	10	250.5	285.5	700		0.76	2.94	20.461
275A	11	275.5	311.5	800		0.91	3.53	26.456
300A	12	300.0	337	900		0.77	2.99	27.874

### Construction

1. Excellent durability and excellent pressure resistance
2. Closed pitch, strong against repetition bending and vibration

### Material

SUS 304, SUS 316L, SUS 321



2ply OMEGA Bellows

Nominal Bore		Measure of Tubes		Minimum Bending Radius		Max Pressure ( Mpa )	Destruction Pressure	Weight ( kg/m )
mm	inch	in dia	out dia	fix	repetition			
40A	1 1/2	40.5	54.5	200	270	3.03	9.35	2.06
50A	2	53.5	70.5	250	280	3.36	12.95	3.30
65A	2 1/2	67.0	86.0	300	320	2.22	8.54	3.80
80A	3	78.5	100.5	400		1.61	6.23	4.80
100A	4	103.5	126.5	700		2.20	8.49	7.20
125A	5	128.5	153.5	750		1.46	5.65	10.0
150A	6	152.0	180.5	800		1.05	4.07	10.40
200A	8	203.0	233.0	900		0.96	3.71	14.50
250A	10	251.0	285.0	1100		1.09	4.21	23.20
300A	12	300.5	336.5	1300		1.05	4.06	31.40

### Construction

1. Excellent flexibility and durability.
2. High safety according to 2ply constructions.
3. It is excellent anti-corrosion because inner ply is adopted by SUS316L

### Material

Inner SUS 316L / Outer SUS 304



## Braid Type

Name	Braid type	Features	Nominal dia	Materials
Wire Braid		1/According to pipe diameter and pressure rating select wire gauge, strand number and pack number to braid the product. 2/Low cost, perfect flexibility and wide application but low pressure resistance and low tensile strength.	8A-350A 1/4" -14"	SUS 304
Braided Braid		1/The same design as wire braid, but it should braid each rope according to strand number and then braid them together. 2/Excellent pressure resistance, wear resistance and tensile strength. 3/High cost.	100A-400A 4" -16"	SUS 304
Plate Braid		1/Cut steel into belt and braid it by hand. 2/Large diameter is available. But with its poor flexibility, it is of pressure resistance but it is not easy in installation and prone to break due to its low tensile strength.	100A-1000A 4" -40"	SUS 304

## Welding Technology

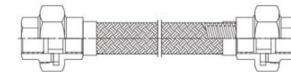


## Stainless Steel Flexible Tube

EH-501(SN+SM) 1/4"-3"



EH-502(UU+UU) 1/4"-3"



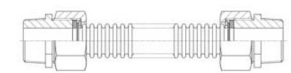
EH-503(SN+SN) 1/4"-3"



EH-504(SF+SF) 1/4"-3"



EH-507(SN+SN) 3/4"-1"



# Flexible Sprinkler Hose For Use In Clean Room

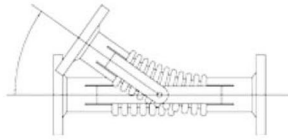
# 31/32

## Angular Joints

ANGULAR Joints are designed to absorb movement at an angle to the axis of the pipe. They are specified as follows.

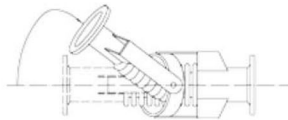
### (A) Hinged Joints

HINGED Joints are restrained by single hinge which limits their operation to a single plane.



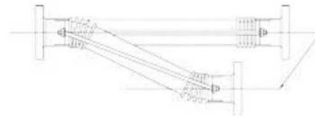
### (B) Gimbal Joints

GIMBAL Joints are restrained by double hinges at right angles.



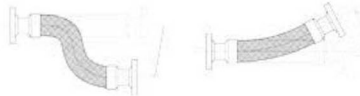
### (C) Lateral Joints

LATERAL Joints comprise a pair of ANGULAR joints used in conjunction, to form a joint capable of accepting LATERAL movement. In this instance the restraining mechanisms are usually in the form of tie rods with hinges at each end.



### (D) Braided Joints

BRAIDED joints are an alternative to (A) (B) and (C) above. In many cases particularly with smaller diameters they are cheaper and better method of obtaining the same effect.



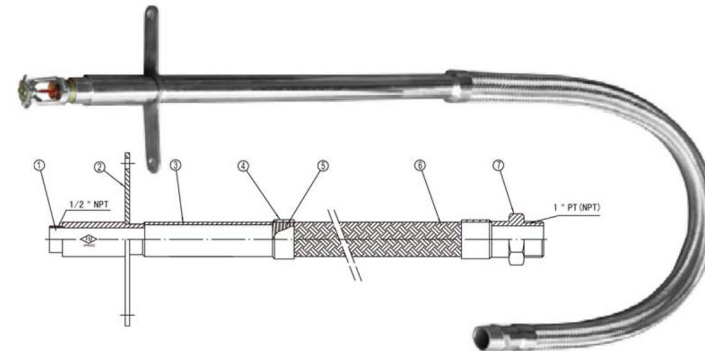
## EH-8000

- 1/Non-pollution: Stainless steel construction requires without painting or epoxy coating on side.
- 2/Simple Installation: Take 1/8 of conventional system to install. Reduced man power and labor costs.
- 3/Good Flexibility: Eliminate potential leaks and protect gel seals during seismic activity. Allow the independent way between ceiling grids and main water pipe. Eliminate ceilings stress and leak due to misaligned hardpiped installation.
- 4/No downtime while sprinklers head are being moved to accommodate tool or floor-plane configuration.



FM  
APPROVED  
PROJECT ID  
3039527

Item	Parts	Material
1	Connector	SUS304
2	Plate	SPCC/SUS
3	Tube	SUS304
4	Seal Ring	SUS304
5	Bellow	SUS304
6	Wire Braids	SUS304
7	Nipple	SUS304



Size	L mm
EH-8000-24A	600
EH-8000-32A	800
EH-8000-40A	1000
EH-8000-48A	1200
EH-8000-60A	1500
EH-8000-72A	1800
Type	EH-8000
Designed Working Pressure	16kgf/cm <sup>2</sup>
Testing Pressure	24kgf/cm <sup>2</sup>
Min. Bending Radius	R150mm

## Flexible Sprinkler Hose For Use In Commercial Suspended Ceiling

## Flexible Sprinkler Hose For Use In Industrial Duct

# 33/34

### EH-8100

### EH-8200

- 1/Simple Installation: Take 1/8 of conventional system to install, Reduced man power and labor costs.
- 2/Good Flexibility: Eliminate potential leaks and protect gel seals during seismic activity. Allow the independent way between ceiling grids and main water pipe. Eliminate ceilings stress and leak due to misaligned hardpiped installation.
- 3/With the future of adjustable, it is suitable for types of ceiling keel and makes easy to adjust the location and height of sprinkle head.
- 4/No downtime while sprinklers head are being moved to accommodate tool or floor-plane configuration.

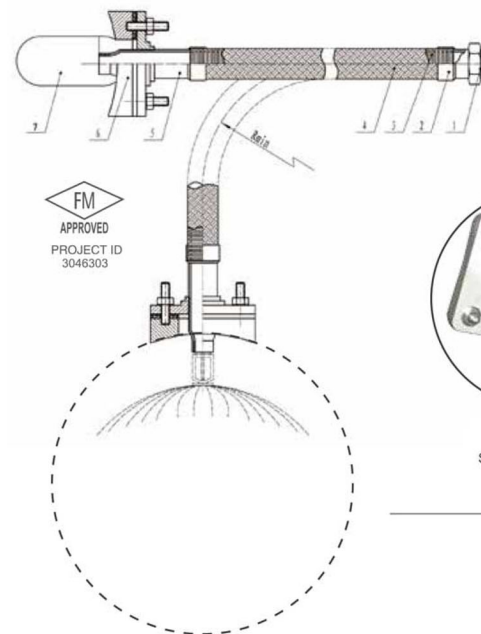
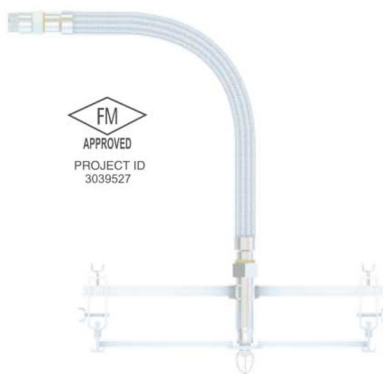
- 1/Simple Installation: Take 1/8 of conventional system to install, Reduced man power and labor costs.
- 2/Good Flexibility: Reduce the pipe stress causing by the deviation of the pipe connecting, to decrease the chance of cracking.

Size	L mm
EH-8100-24A	600
EH-8100-32A	800
EH-8100-40A	1000
EH-8100-48A	1200
EH-8100-60A	1500
EH-8100-72A	1800
Type	EH-8100
Designed Working Pressure	16kgf/cm <sup>2</sup>
Testing Pressure	24kgf/cm <sup>2</sup>
Min Bending Radius	R150mm

Item	Parts	Material
1	Nipple	SUS304
2	Seal Ring	SUS304
3	Bellow	SUS304
4	Wire Braids	SUS304
5	Reducer	SUS304
6	Block	ABS
7	Bag	PE

Size	L mm
EH-8200-24A	600
EH-8200-32A	800
EH-8200-40A	1000
EH-8200-48A	1200
EH-8200-60A	1500
EH-8200-72A	1800
Type	EH-8200
Designed Working Pressure	16kgf/cm <sup>2</sup>
Testing Pressure	24kgf/cm <sup>2</sup>
Min Bending Radius	R150mm

EH-8100-W  
EH-8100-C  
EH-8100-CW  
EH-8100-CU



Square Mounting Block



Round Mounting Block

# Corrugated Stainless Steel Tube For Gas Line System



## ■ Specification

SIZE(mm)	3/8"(10A)	1/2"(15A)	3/4"(20A)	1"(25A)
EHD(AGSIZE)	13	18	23	31
I.D. (mm)	0.51*(12.9±0.2)	0.55*(14.0±0.2)	0.82*(20.9±0.2)	1.06*(27.0±0.2)
O.D. (mm)	0.63*(16.0±0.2)	0.70*(17.8±0.2)	1*(25.3±0.2)	1.25*(31.8±0.2)
O.D.COVERD BY PE	0.66*(16.9±0.1) 0.45t	0.74*(18.7±0.1) 0.45t	1.03*(26.2±0.1) 0.45t	1.29*(32.7±0.1) 0.45t
CORRU.TUBE /100mm	25.0±1	22.5±1	22.5±1	22±1

## ■ Type

TYPE	SPE.	THREAD SPE.	LENGHTH
PRESSED TYPE	13A	L PT 1/2"F*PT1/2"M	500/700/1000/ 1200/1500/2000/3000
		LD 1/2"F*PT3/4"M	
NON-PRESSED TYPE	19A	PT3/4"F*PT3/4"M	500/700/1000/ 1200/1500/2000/3000
		PT1/2"F*PT1/2"M	
ELBOW TYPE	13A	PT1/2"ELBOW*PT1/2M	500/700/1000/ 1200/1500/2000/3000
		PT1/2"ELBOW*PT3/4M	
		PT3/4"ELBOW*PT3/4M	



## ■ Assembly Type



1/Cutting Hose 2/Stripping Cover 3/Assem.nut 4/Assem.rings 5/Assem.joint 6/Tighten



•Metal to Metal

# Vacuum Flexible Hose

# 35/36

## EH-9001/9002/9003

EH-9001



EH-9002



Clasp-tight type vacuum quick-unloaded flange type

EH-9003



The thin walled ring type flexible hose is extremely soft and flexible and it is the most suitable for the vacuum pipe system,

MON.DIA10mm-300mm  
LENGTH200mm-3000mm  
MATERIAL SUS304  
LEAKAGE OF HELIUM  
below 1X10<sup>-9</sup>Pa.m<sup>3</sup>/s

# Vacuum Flexible Hose





## Teflon Hose

### EH-TFL-01~06

1. Chemical Industry: conveying corrosive fluid, solvent and liquid medicine.
2. Food Fermentating Industry: applied in fermentating equipment.
3. Conveying high temperature gas.
4. Conveying ultra clear water and pure water used in electronic industry.
5. In insulating condition.

#### EH-TFL-01

Floating Flanged Teflon Hose



#### EH-TFL-02

Braided Teflon Hose



#### EH-TFL-03

Spring Covered Teflon Hose



#### EH-TFL-04

Double Braided Teflon Hose



#### EH-TFL-05

Braided & Flanged Teflon Hose



#### EH-TFL-06

Teflon Lined Flexible Joint



## Rubber Joint

# 37/38

### EH-10/10H

Item	Parts	Material
1	Outer/inner Rubber	Natural Rubber, Epdm, Hypalon...
2	Key Frame	Nylon Cord Fabric
3	Presswired	Steelwire
4	Flange	Steel



### Specification

DIA. mm(in.)	L mm	Movement				Operating Conditions		
		Axial Compress. mm	Axial Extension mm	Transver Se Disp. mm	Angular Disp. °	Max Pressure 最大压力 (kg/cm <sup>2</sup> )		Max. Temp. 最高温度 °C
25(1)	95	8	4	8	15	EH-10	EH-10H	60
32(1,1/4)	95	8	4	8	15	10	16	60
40(1,1/2)	95	8	5	8	15	10	16	60
50(2)	105	8	6	8	15	10	16	60
65(2,1/2)	115	12	6	10	15	10	16	60
80(3)	130	12	10	10	15	10	16	60
100(4)	150	18	10	12	15	10	16	60
125(5)	170	18	10	12	15	10	16	60
150(6)	180	18	14	12	15	10	16	60
200(8)	190	25	14	22	15	10	16	60
250(10)	230	25	14	22	15	10	16	60
300(12)	245	25	16	22	15	10	16	60
350(14)	265	25	16	22	15	10	16	60
400(16)	265	25	16	22	15	10	16	60
450(18)	265	25	16	22	15	10	16	60
500(20)	265	25	16	22	15	10	16	60
600(24)	265	25	16	22	15	10	16	60

1. Application: Water, Sea Water, Fresh Water, Warm Water, Weak Acid Fluid, Soda Fluid etc.
2. Flange: JIS, DIN, ANSI, BS etc.
3. Material: Neoprene, Butyl, Nitrile, EPDM, Hypalon, Natural Rubber etc.
4. Bursting Pressure: 60kg/cm<sup>2</sup>(11/4"-8") 40kg/cm<sup>2</sup>(10"-24")
5. The size, total length, pressure, and movement tabulated above are standard. We can also produce products according to your requirement.

## Rubber Joint

### EH-20/20H

Item	Parts	Material
1	Outerliner Rubber	Natural Rubber, Epdm, Hypalon...
2	Key Frame	Nylon Cord Fabric
3	Presswired	Steelwire
4	Flange	Steel



### Specification

DIA. mm(in.)	L mm	Movement				Operating Conditions		
		Axial Compress. mm	Axial Extension mm	Transver Se Disp. mm	Angular Disp. °	Max Pressure (kg/cm <sup>2</sup> )		Max. Temp. °C
						EH-20	EH-20H	
25(1)	120	50	30	35	40	10	16	60
32(1.1/4)	175	50	30	35	40	10	16	60
40(1.1/2)	175	50	30	35	40	10	16	60
50(2)	175	50	30	35	40	10	16	60
65(2.1/2)	175	50	30	35	40	10	16	60
80(3)	175	50	30	35	40	10	16	60
100(4)	225	57	35	40	40	10	16	60
125(5)	225	57	35	40	40	10	16	60
150(6)	225	57	35	40	40	10	16	60
200(8)	325	63	35	45	40	10	16	60
250(10)	325	63	35	45	40	10	16	60
300(12)	325	63	35	45	40	10	16	60
350(14)	350	40	30	30	40	10	16	60
400(16)	350	40	30	30	40	10	16	60
450(18)	350	40	30	30	40	10	16	60
500(20)	350	40	30	30	40	10	16	60
600(24)	350	40	30	30	40	10	16	60

1. Application:Water, Sea Water, Fresh Water,Warm Water,Weak Acid Fluid, Soda Fluid etc.
2. Flange: JIS, DIN, ANSI, BS etc.
3. Material:Neoprene, Butyl, Nitrile, EPDM, Hypalon, Natural Rubber etc.
4. Bursting Pressure: 60kg/cm<sup>2</sup>(11/4"-8") 40kg/cm<sup>2</sup>(10"-24")
5. The size, total length, pressure, and movement tabulated above are standard.We can also produce products according your requirement.

## Rubber Joint

# 39/40

### EH-30/30H

Item	Parts	Material
1	Outerliner Rubber	Natural Rubber, Epdm, Hypalon...
2	Key Frame	Nylon Cord Fabric
3	Union	Cast Iron



### Specification

DIA. mm(in.)	L mm	Movement				Operating Conditions		
		Axial Compress. mm	Axial Extension mm	Transver Se Disp. mm	Angular Disp. °	Max Pressure (kg/cm <sup>2</sup> )		Max. Temp. °C
						EH-30	EH-30H	
15(1/2)	200	22	6	22	45	10	60	
20(3/4)	200	22	6	22	45	10	60	
25(1)	200	22	6	22	45	10	60	
32(1.1/4)	200	22	6	22	45	10	60	
40(1.1/2)	200	22	6	22	45	10	60	
50(2)	200	22	6	22	45	10	60	
65(2.1/2)	240	22	6	22	45	10	60	
80(3)	240	22	6	22	45	10	60	

1. Application:Water, Sea Water, Fresh Water,Warm Water,Weak Acid Fluid, Soda Fluid etc.
2. Material:Neoprene, Butyl, Nitrile, EPDM, Hypalon, Natural Rubber etc.
3. Bursting Pressure: 60kg/cm<sup>2</sup>(11/4"-8") 40kg/cm<sup>2</sup>(10"-24")
4. The size, total length, pressure, and movement tabulated above are standard.We can also produce products according your requirement.