




SRI SADGURU

FLEX INDUSTRIES

MANUFACTURERS OF ALL KINDS OF
EXPANSION JOINT & FLEXIBLE HOSES,
ASSEMBLIES & FITTINGS



Admin office



 Poddar Evergreen, 30/202, Kalyan-Karjat Road, Badlapur East, Dist.: Thane - 421503, Maharashtra

Work Unit 1

PBT Plot No: 4, Ghoupdev Cross Road No. 3, Reayroad Byculla, Mumbai - 400033

Work Unit 2

381/26, Italian Building Gala No. 18 & 19, Sane Guruji Marg, Agripada, Mumbai - 400011

 8591318329 / 8454038353
 ssflexind@gmail.com



Admin office

Poddar Samruddhi Evergreen, 30/202,
Kalyan-Karjat Road, Badlapur (E),
Dist.: Thane - 421503, Maharashtra



8591318329 / 8454038353



Work Unit 1

PBT Plot No: 4,
Ghoupdev Cross Road No. 3,
Reayroad, Byculla(E),
Mumbai - 400033



ssfexind@gmail.com



Work Unit 2

381/26, Italian Building,
Gala No. 18 & 19,
Sane Guruji Marg, Agripada,
Mumbai - 400011

Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

Company Profile

SHRI SADGURU FLEX INDUSTRIES ISO 9001 : 2015 is a widely acclaimed company engaged in manufacturing, supplying, trading, distributing, importing & exporting a wide gamut of Hoses for all applications up to 2400bar ranging from 2 mm to 10 Inch ID Fittings.

Our range of products includes Hydraulic Hoses, Thermoplastic hoses, Rubber hoses, Stainless steel hoses, Rubber Expansion Joint/Metallic Expansion & Fabric Bellow PTFE hoses and other special application hoses along with Hydraulic & Pipe Tubes, Dairy Fittings & Hammer Union QRC Camlock Fitting.

Our products are used widely in pharmaceutical, chemical, construction, mining sectors, steel industry, oil and gas industry, Automotive company PSU (Public Sector Units) and aviation. We have maintained a favourable reputation and good will in the market by providing a flawless range of quality products.

Our products are durable and highly tensile.

Our Products

We are Manufacturing & supplying wide range OF Industrial Hoses, Joints and Fittings which are enlisted below:

- o HYDAULIC INDUSTRIAL HOSES & HYDRAULIC HIGH-PRESSURE HOSES
- o SS CORRUGATED FLEXIBLE HOSE
- o TEFLON HOSE FOR FOODGRADE & CHEMICAL
- o FOOD / CHEMICAL SUCTION & DISCHAGE HOSES
- o SILICON NYLON BRAIDE & WIRE BRAIDE HOSE / PVC NYLON WIRE BRAIDE HOSE FOR FOOD & CHEMICALS
- o COMPOSITE HOSES FOR OIL & CHEMICAL TRANSFERING
- o EXPANSION JOINT:
 - RUBBER EXPANSION JOINT & METTALIC EXPANSION JOINT
 - INDUSTRIAL FABRIC BELLOW EXPANSION JOINT
- o FITTING IN CS & SS:
 - HYDRAULIC FITTING & FLANGES
 - DAIRY FITTING
 - PIPE & TUBES FITTING
 - CAMLOCK (CAM-GROOVE) FITTING & HAMMER UNION FITTING

Branded Hoses Dealing



Quality Assurance

We Shri Sadguru flex industries are committed to meet & serve to exceed customer requirement through timely error free & technically superior product. we shall continuously improve our product Quality Our entire range of products Conforms to international quality standards, which help us in growing our business activities. Further, our team of quality inspectors use advance testing facilities to examine the quality of our products right from the initial stage of procurement of raw material until the final stage of production. Their close check to entire process helps us in rectifying any defect left in the products. Also, our range is tested on the basis of well-defined parameters, such as Operating Conditions Suitability for use in electricity, gas, automotive and other sectors durability and wear & tear resistance free from defects & maintenance.



Admin office

Poddar Samruddhi Evergreen, 30/202,
Kalyan-Karjat Road, Badlapur (E),
Dist.: Thane - 421503, Maharashtra



8591318329 / 8454038353



Work Unit 1

PBT Plot No: 4,
Ghoupdev Cross Road No. 3,
Reayroad, Byculla(E),
Mumbai - 400033



ssfexind@gmail.com



Work Unit 2

381/26, Italian Building,
Gala No. 18 & 19,
Sane Guruji Marg, Agripada,
Mumbai - 400011

Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

Infrastructural Facility

We have setup a sprawling infrastructural base which is manned with all the requisite tools, equipment and high-tech machinery which is sourced from renowned market brands. These are upgraded as per modern advancements which enhance the productivity at our Company. streamlined processes for timely dispatch of bulk and urgent consignments.

- o Quality products
- o Large infrastructure
- o Lesser price
- o Quick delivery

Our Vision

To emerge as a leading hose assembly & expansion joint manufacturer by acquiring global capabilities providing world class product by maintaining highest quality standard of product & professionalism.

Contents

1. Company Profile	————	1
2. Hydraulic Hose Pipe	————	3
3. High Pressure Hydraulic Hoses	————	4
4. Teflon Hose (High Temperature)	————	5
5. Food / Chemical / Section & Discharge Hose	————	6
6. SS Flexible Hoses.	————	7
7. Braiding Process	————	8
8. Metal Hose Fitting and Assembly	————	9
9. Metal Hose Installation use & Precautions	————	10
10. Composite Hoses.	————	11
11. Metallic Bellows Expansion Joint	————	12-13
12. Rubber / Non - Metallic Expansion Joint	————	14-15
13. Metal Hose (Fitting)	————	16
14. Camlock Couplings / Quick Release Couplings	————	17
15. Our rang of Other Products	————	18
16. Corrosion Resistance Guide	————	19



Admin office

Poddar Samruddhi Evergreen, 30/202,
Kalyan-Karjat Road, Badlapur (E),
Dist.: Thane - 421503, Maharashtra



8591318329 / 8454038353



Work Unit 1

PBT Plot No: 4,
Ghoupdev Cross Road No. 3,
Reayroad, Byculla(E),
Mumbai - 400033



ssflexind@gmail.com



Work Unit 2

381/26, Italian Building,
Gala No. 18 & 19,
Sane Guruji Marg, Agripada,
Mumbai - 400011

Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

HYDRAULIC HOSE SAE - 100 R1AT 1SN

ID		ID		OD		Max WP		Min BP		Min Bend Radius	
Mm	Inch	Dash	DN	MM	Inch	Mpa	PSI	Mpa	PSI	MM	Inch
4.8	3/16	-3	5	11.8	0.46	25	3630	100	14520	90	3.6
6.4	1/4	-4	6	13.4	0.53	22.5	3270	90	13080	100	4
7.9	5/16	-5	8	15	0.59	21.5	3120	86	12480	115	4.6
9.5	3/8	-6	10	17.4	0.69	18	2610	72	10440	130	5.2
12.7	1/2	-8	12	20.6	0.81	16	2320	64	9280	180	7.2
15.9	5/8	-10	16	23.7	0.93	13	1890	52	7560	200	8
19	3/4	-12	20	27.7	1.09	10.5	1530	42	6120	240	9.6
25.4	1	-16	25	36.6	1.4	8.8	1280	35.2	2120	300	12
31.8	1 1/4	-20	32	43.5	1.71	6.3	920	25.2	3680	420	16.8
38.1	1 1/2	-24	38	50.6	1.99	5	730	20	2920	500	20
50.8	2	-23	51	64	2.52	4	580	16	2320	630	25.2
63.5	2 1/2	-40	63	79	3.11	5	730	20	2920	760	30
76.2	3	-48	76	92	3.62	3.5	500	14	2000	900	35

Temperature Rang :
-40°C to + 100°C
Intermittent up to 121°C

Tube : Oil Resistant Synthetic rubber

Reinforcement : One high tensile steel wire braid

Cove : Abrasion, ozone and hydrocarbon resistant synthetic rubber

Application : High pressure hydraulic lines, fuel oil, antifreeze solution, air and water



HYDRAULIC HOSE SAE - 100 R2AT 2SN

ID		ID		OD		Max WP		Min BP		Min Bend Radius	
Mm	Inch	Dash	DN	MM	Inch	Mpa	PSI	Mpa	PSI	MM	Inch
4.8	3/16	-3	5	13.4	0.53	41.5	6000	168	24000	90	3.6
6.4	1/4	-4	6	15	0.59	40	5800	160	23200	100	4
7.9	5/16	-5	8	16.7	0.66	35	5000	140	20000	115	4.6
9.5	3/8	-6	10	19.1	0.75	33	4800	132	19200	130	5.2
12.7	1/2	-8	12	22.2	0.87	28	4000	112	16000	180	7.2
15.9	5/8	-10	16	25.4	1	25	3120	100	14520	200	8
19	3/4	-12	20	29.3	1.15	21.5	3630	86	12480	240	9.6
25.4	1	-16	25	38.1	1.5	16.5	2400	66	9600	300	12
31.8	1 1/4	-20	32	48.3	1.9	12.5	1820	50	7280	420	16.8
38.1	1 1/2	-24	38	54.6	2.15	9	1310	36	5240	500	20
50.8	2	-23	51	67.4	2.65	8	1160	32	4640	630	25.2

Temperature Rang :
-40°C to + 100°C

Tube : Oil Resistant Synthetic rubber

Reinforcement : Two high tensile steel wire braid

Cove : Abrasion, ozone and hydrocarbon resistant synthetic rubber

Application : High pressure hydraulic lines, fuel oil, antifreeze solution, air and water



HIGH PRESSURE HYDRAULIC HOSE 4SP

ID		ID		OD		Max WP		Min BP		Min Bend Radius	
Mm	Inch	Dash	DN	MM	Inch	Mpa	PSI	Mpa	PSI	MM	Inch
6.4	1/4	-4	6	17.9	0.7	45	6,550	180	26,200	150	6
9.5	1/4	-8	12	21.4	0.84	44.5	6,450	178	25,800	180	7.2
12.7	1/2	-8	12	24.6	0.97	41.5	6,000	166	24,000	230	9.2
15.9	5/8	-10	16	28.2	1.11	35	5,000	140	20,000	250	10
19	3/4	-12	20	32.2	1.27	35	5,000	140	20,000	300	12

Temperature Rang :
-40°C to 100°C
Intermittent up to 121°C

Tube : Oil Resisant Synthetic rubber

Reinforcement : Four high tensile steel wire braid

Cove : Abrasion, ozen and hydrocarbon resistant synthetic rubber

Application : Very High pressure hydraulic lines, fuel oil, antifreeze solution, air and water



HYDRAULIC HOSE 4SH

ID		ID		OD		Max WP		Min BP		Min Bend Radius	
Mm	Inch	Dash	DN	MM	Inch	Mpa	PSI	Mpa	PSI	MM	Inch
19	3/4	-12	20	32.2	1.27	42	6,000	168	24,000	280	11.2
25.4	1	-16	25	38.7	1.52	38	5,500	152	22,000	340	13.6
31.8	1 1/4	-20	32	45.5	1.79	32.5	4,700	130	18,800	460	18.4
38.1	1 1/2	-24	38	53.5	2.11	29	4,200	116	16,800	560	22.4
50.8	2	-32	50	68.1	2.68	25	3,650	100	14,600	700	28

Temperature Rang :
-40°C to + 100°C
Intermittent up to 121°C

Tube : Oil Resisant Synthetic rubber

Reinforcement : Four high tensile steel wire braid

Cove : Abrasion, ozen and hydrocarbon resistant synthetic rubber

Application : Very High pressure hydraulic lines, fuel oil, antifreeze solution, air and water





Admin office

Poddar Samruddhi Evergreen, 30/202,
Kalyan-Karjat Road, Badlapur (E),
Dist.: Thane - 421503, Maharashtra



8591318329 / 8454038353



Work Unit 1

PBT Plot No: 4,
Ghoupdev Cross Road No. 3,
Reayroad, Byculla(E),
Mumbai - 400033



ssfexind@gmail.com



Work Unit 2

381/26, Italian Building,
Gala No. 18 & 19,
Sane Guruji Marg, Agripada,
Mumbai - 400011

Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

TEFLON HOSE PLAIN

PTRF (TEFLON) HOSE (GPT) SMOOTH BORE - MEDIUM PRESSURE PTFE HOSE
CONSTRUCTION:

Smooth innercore of extruded white teflon with stainless steel wire braid reinforcement.

I.D. Inches	I.D. mm	O.D. mm	Operating Pressure PSI At	Minimum Bend Radius
3/16	4.76	5.9	3000	50.8
1/4	6.35	7.9	3000	50.8
5/16	7.93	9.5	3000	76.2
3/8	9.52	11.3	2500	101.6
1/2	12.7	13.9	2000	132.1
5/8	15.87	16.5	1500	165.2
3/4	19.05	19.8	1200	195.6
1	25.04	26.2	1000	228.6

Temperature : -65°F to 450° (-54°C to 232°C) for continuous service
-100°F to 500°F (-73°C to 260°C) for intermittent service

Advantages of Teflon For Flexible Hose:

Teflon is ideal material for flexible hose, to which a wire over-braid is added for excellent pressure ratings. Such hose gives extremely long life because its inner core has outstanding resistance to steam, chemicals, solvent, heat, pressure impulses, flexing, vibration, and age. Teflon hose will stand up under severe conditions of continuous flexing, chemical and vibration without failure from flex fatigue, inert Teflon creates a resistant: nearly "Universal" hose, capable of handling the broadest range of applications. Except the molten alkali metals such as sodium and potassium, and fluorine chemicals such as chlorine trifluoride, oxygen difluoride and fluorine gas. Temperature Resistant: Even handles 350° F Steam alternating with cold water



TEFLON HOSE CORRUGATED

PTFE (TEFLON) CORRUGATED TRANSFER HOSE (GTC)
CONSTRUCTION:

Inner core of corrugated Teflon, externally reinforced with stainless steel wire braid.

I.D. Inches	I.D. mm	O.D. mm	Operating Pressure PSI At Room Temp	Minimum Bend Radius
1/2	12.7	20	1000	25.4
3/4	19.5	27.7	1000	50.8
1	25.4	33	1000	76.2
1 1/4	31.7	39.6	1000	158.8
1 1/2	38.1	45.5	750	190.5
2	50.8	59.2	500	266.7
3	76.2	93.5	250	393.7
4	101.6	123.2	150	622.3

Temperature : 65°F to 400°F (-54°C to 204°C)

APPLICATION :

Corrugated transfer hose, is the most broadly applied a general-purpose workhorse found in hundreds of chemicals transfer and food handling situations. Its present locations are as diverse as water purification systems, mercury transfer lines, and food processing equipment - delivering better to mixing kettles or sausage and other processed meats to packaging machines.





Admin office

Poddar Samruddhi Evergreen, 30/202,
Kalyan-Karjat Road, Badlapur (E),
Dist.: Thane - 421503, Maharashtra



8591318329 / 8454038353



Work Unit 1

PBT Plot No: 4,
Ghoupdev Cross Road No. 3,
Reayroad, Byculla(E),
Mumbai - 400033



ssflexind@gmail.com



Work Unit 2

381/26, Italian Building,
Gala No. 18 & 19,
Sane Guruji Marg, Agripada,
Mumbai - 400011

Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

NITRILE FOOD 150 SUCTION & DISCHARGE HOSE

Recommended for the food transfer application that demands both flexibility and ruggedness with a clean white FDA grade tube. The food grade nitrile tube is odorless and tasteless for those oily transfer applications.

Construction

Tube : FDA white nitrile e Reinforcement : Multiple plies of polyester tire cord with helix wire

Cover : Grey PVC Nitrile

I.D.	O.D.	Piles	WP psi	MBR
3/4	1.25	2	150	4
1	1.5	2	150	5
1 1/2	2	2	150	6
2	2.5	2	150	7
3	3.52	2	150	9
4	4.52	2	150	12

Temperature : -65°F to 450° (-54°C to 232°C) for continuous service
-100°F to 500°F (-73°C to 260°C) for intermittent service



CHEMICAL SUCTION & DISCHARGE HOSE

A lightweight flexible chemical transfer hose designed for almost every common industrial chemical used in industry today. Nonstaining UHMW tube.

Construction:

Tube: Clear Ultra High Molecular weight polyethylene.

Reinforcement Multiple plies of high tensile textile with dual helix

Cover: Green abrasion resistant green EPDM (Available in blue, yellow black and grey, white)

Temperature Range: up to -40°F to +250°F.

Consult chemical resistant chart.

Not for steam service.

Can be open end steam cleaned

I.D.	O.D.	Piles	WP psi	MBR	WP psi
3/4	1.19	2	3.5	29"	200
1	1.47	2	4	29"	200
1 1/4	1.8	2	4.5	29"	200
1 1/2	2.08	2	5	29"	200
2	2.58	2	8	29"	200
2 1/2	3.03	2	0	29"	200
3	3.61	2	16	29"	200
4	4.61	2	24	29"	200

Temperature : Range : up to 180°F. Consult chemical resistant char

Application : A very versatile hose used in processing plants, tank cars and storage
Construction Tube : Clear cross linked polyethylene.
Reinforcement : Polyester tire cord with wire helix.
Cover : Green EPDM rubber.
Lengths : 100 ft.

ID	OD	MBR(in)	Piles	WOP psi	WT LBS/FT
3/4	1.18	8	2	150	0.5
1	1.43	8	2	150	0.62
1 1/4	1.65	10	2	150	0.77
1 1/2	1.94	12	2	150	0.9
2	2.48	15	2	150	1.16
2-1/2	3.03	18	2	150	1.41
3	3.53	24	2	150	1.81



S.S. FLEXIBLE CORRUGATED HOSES

Type A (annular) flexible hoses are made by corrugating thin-walled stainless steel pipes. They are high-quality flexible hoses exposed to complete solution heat treatment. The corrugations are formed like individual rings which are not twisted under high pressure.

The hoses are highly flexible and have excellent strength, corrosion resistance and pressure resistance.

Standard specifications

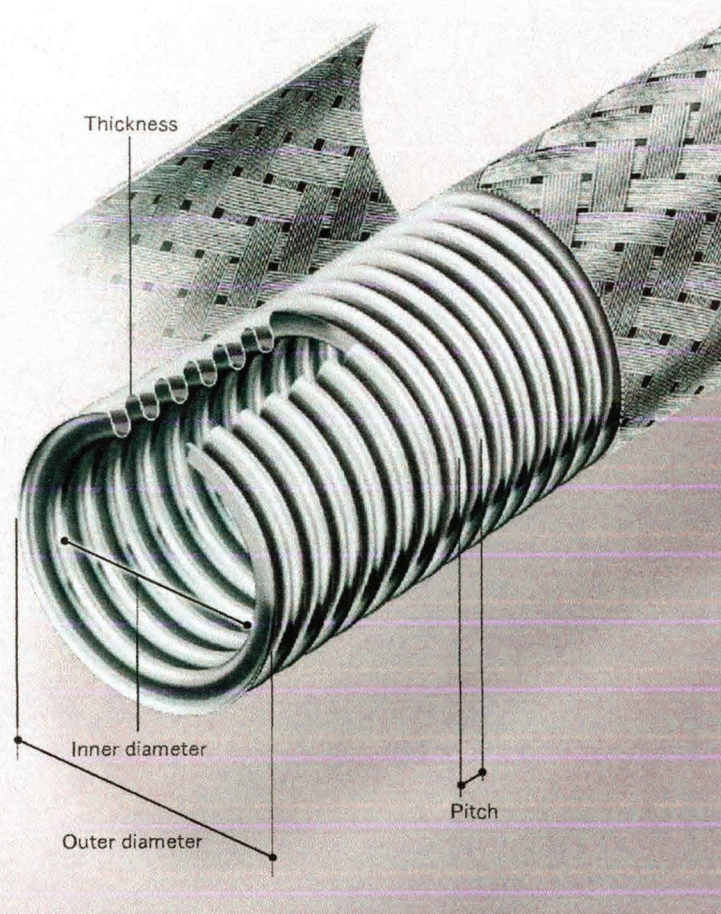
Flexible hose materials
SUS304, SUS316L

Braid material
SUS304

Wire braid: 250 A (10⁸) or less

Tape braid: 50 A (2⁸) or more

※For other materials, please consult us.



Standard dimensions

Nominal diameter		Inner diameter (mm)	Thickness (mm)	Pitch (mm)	Outer diameter (mm)		Min. bending radius (mm)		Max. working pressure (MPa)		Weight(kg/m)	
A	B				No braid	Single braid	Constant bending	Repeated bending	Single braid	Double braid	No braid	Single braid
8	1/4	7.2	0.26	2.5	12.2	13.5	45	165	9.4	14.9	0.15	0.27
10	3/8	10.0	0.26	3.0	16.0	17.5	50	180	7.4	13.0	0.21	0.36
15	1/2	12.0	0.26	3.3	17.5	19.0	65	245	6.6	13.0	0.21	0.38
20	3/4	19.0	0.30	4.2	26.0	27.5	95	335	3.7	7.4	0.36	0.61
25	1	25.5	0.30	4.5	34.0	35.5	100	340	2.6	5.2	0.53	0.84
32	1-1/4	32.0	0.35	5.0	42.0	44.0	130	405	3.1	6.0	0.80	1.33
40	1-1/2	39.0	0.35	5.5	49.0	51.0	200	505	2.8	4.5	0.88	1.48
50	2	50.0	0.40	6.0	62.0	64.0	240	580	2.0	3.6	1.38	2.18
65	2-1/2	65.0	0.60	10.0	86.0	88.0	320	665	2.0	3.5	2.93	3.95
80	3	77.0	1.00	10.5	104.0	107.0	400	920	1.8	2.6	6.79	8.12
100	4	100.0	1.00	15.0	135.0	137.5	450	980	1.4	1.5	8.25	10.3
125	5	126.0	1.20	15.0	162.0	164.5	520	1400	1.2	2.0	13.0	14.6
150	6	150.0	1.20	18.0	190.0	192.5	540	1550	1.0	1.6	13.8	16.7
200	8	197.0	1.50	18.0	247.0	250.0	720	1800	0.9	1.6	26.9	31.0
250	10	245.0	2.00	22.5	305.0	308.0	960	2500	0.6	1.2	42.6	48.6
300	12	294.0	2.00	30.0	364.0	368.0	1000	2750	0.6	1.3	46.1	54.0



SRI SADGURU
FLEX INDUSTRIES



Admin office

Poddar Samruddhi Evergreen, 30/202,
Kalyan-Karjat Road, Badlapur (E),
Dist.: Thane - 421503, Maharashtra



8591318329 / 8454038353



Work Unit 1

PBT Plot No: 4,
Ghoupdev Cross Road No. 3,
Reayroad, Byculla(E),
Mumbai - 400033



ssfexind@gmail.com



Work Unit 2

381/26, Italian Building,
Gala No. 18 & 19,
Sane Guruji Marg, Agripada,
Mumbai - 400011

Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

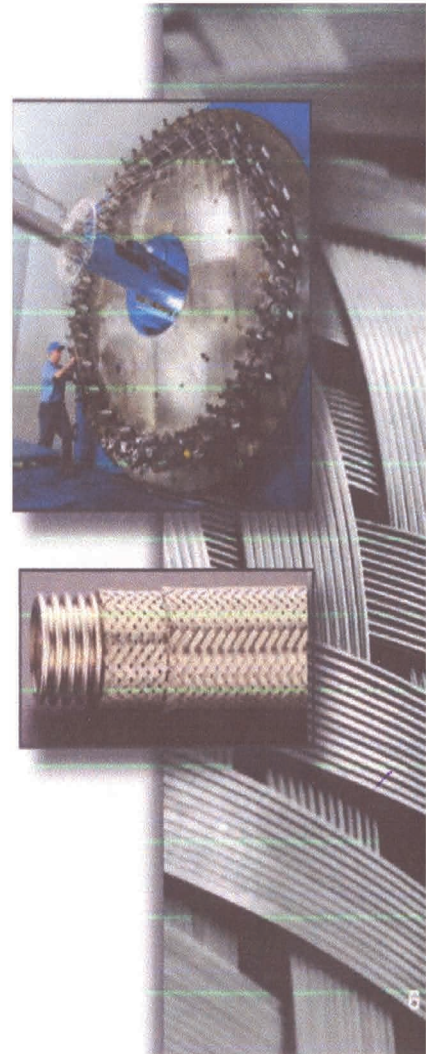
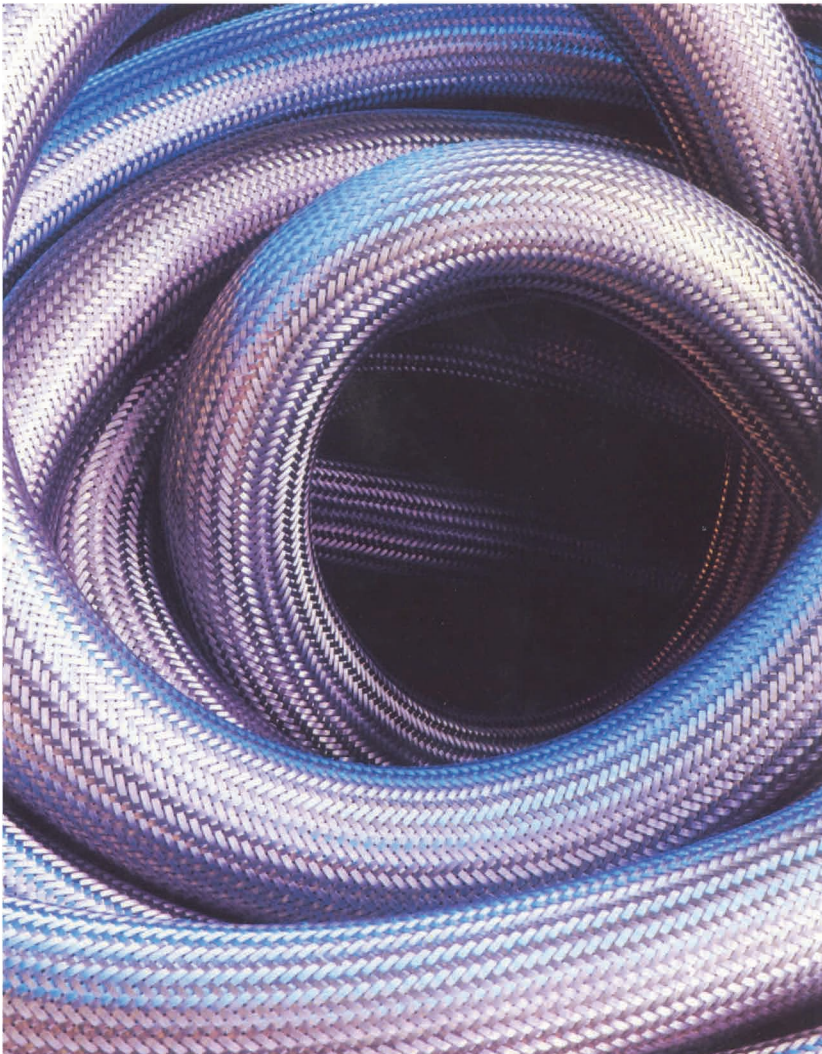
BRAIDING PROCESS

To give corrugated hose the ability to withstand pressure, stainless steel wire is braided over the hose. Hoses may be single braided (one layer of braid) or double braided (two layers of braid) to achieve even greater working pressures. Braided braid is used on large-diameter hose. Designing the proper braid for each type of corrugated hose requires sophisticated engineering to maintain the proper balance between the braid strength and the hose's flexibility.

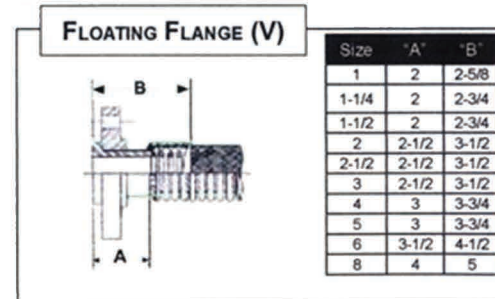
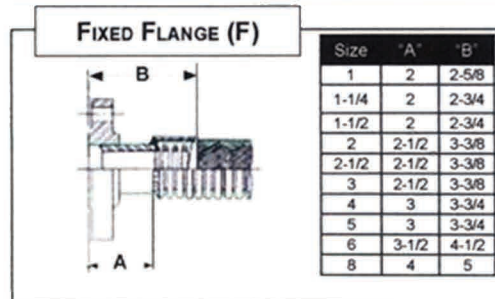
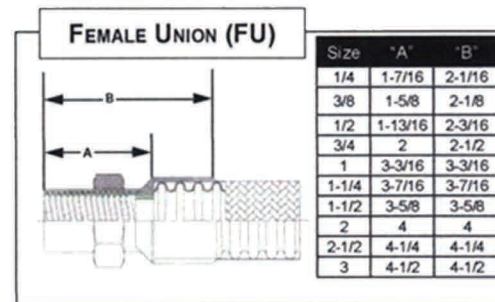
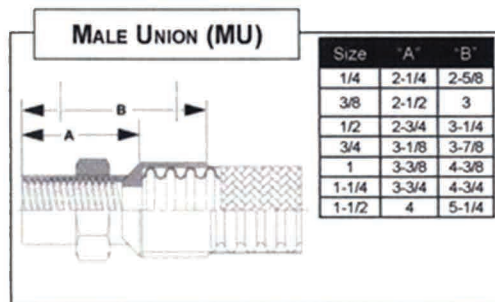
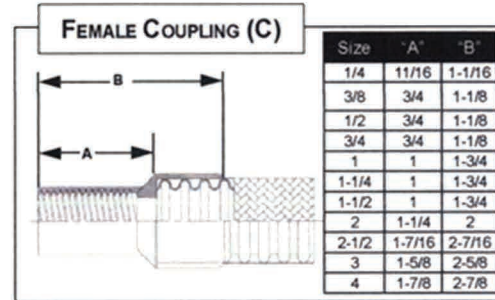
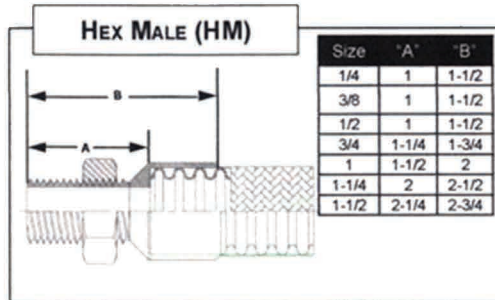
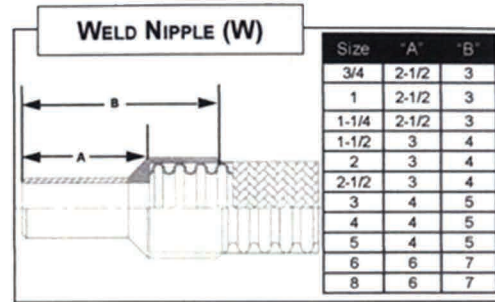
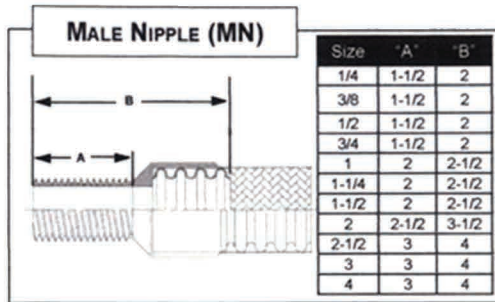
Hose Master's braid packages offer several advantages:

1. High Percentage Braid Coverage - Hose Master flexible hose has the highest percentage of braid coverage, yielding better cycle life and protection against damage to the hose.

2. Machine Braided Hose - Hose Master weaves the braid directly onto the hose, ensuring that the braid fits tightly against the hose, preventing potential hose deformation or squirm. Machine braided hose also offers repeatable performance and longer cycle life.



METAL HOSE: FITTING AND ASSEMBLY



The variety of fittings available for weld attachment to metal hose is nearly unlimited. If the required end fitting is not shown above, please specify what your system requires. Our standard fittings are carbon steel, but stainless steel is readily available. Simply add the prefix "S" to any of the designations for 304 stainless steel.

Refer to installation, precautions, use and technical pages



SRI SADGURU
FLEX INDUSTRIES



Admin office

Poddar Samruddhi Evergreen, 30/202,
Kalyan-Karjat Road, Badlapur (E),
Dist.: Thane - 421503, Maharashtra



8591318329 / 8454038353



Work Unit 1

PBT Plot No: 4,
Ghoupdev Cross Road No. 3,
Reayroad, Byculla(E),
Mumbai - 400033



ssfexind@gmail.com



Work Unit 2

381/26, Italian Building,
Gala No. 18 & 19,
Sane Guruji Marg, Agripada,
Mumbai - 400011

Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

METAL HOSE: INSTALLATION, USE AND PRECAUTIONS

SRSFLEX® Matchless Metal Hose will render maximum service life when properly installed. The following precautions should be observed when installing flexible metal hose.

AVOID TORQUE

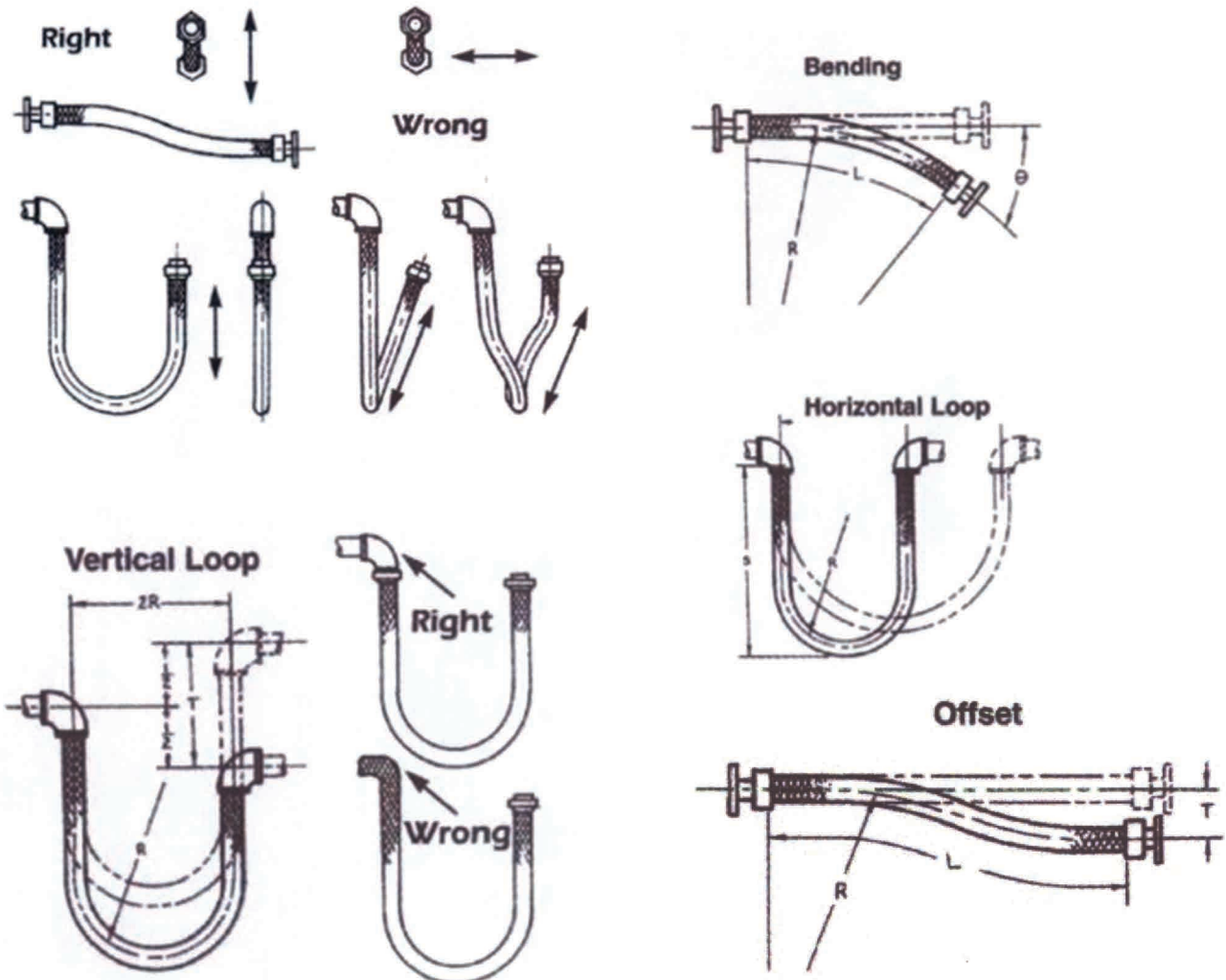
Torque or twisting is harmful to hose and substantially reduces service life. Installation torque can be avoided by using a floating flange or union at one end of an assembly in place of a rigid connection. Always install hose so that flexing takes place in one plane

AVOID OVERBENDING

If metal hose is bent below the minimum recommended bend radius, fatigue and premature failure can result. This bending often occurs at end connections and can be avoided by installing an interlock guard or elbow.

AVOID IMPROPER HANDLING

Always lift hose-do not drag. Do not permit hose to be stored in an area where it is subject to spills, corrosive sprays, etc.





Admin office

Poddar Samruddhi Evergreen, 30/202,
Kalyan-Karjat Road, Badlapur (E),
Dist.: Thane - 421503, Maharashtra



8591318329 / 8454038353



Work Unit 1

PBT Plot No: 4,
Ghoupdev Cross Road No. 3,
Reayroad, Byculla(E),
Mumbai - 400033



ssfexind@gmail.com



Work Unit 2

381/26, Italian Building,
Gala No. 18 & 19,
Sane Guruji Marg, Agripada,
Mumbai - 400011

Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

COMPOSITE HOSES

PETROLEUM TRANSFER HOSE

ID(in)	ID(mm)	Approx wt (lbs/ft)	Min Bend Rad (in)	Max Rec WP (psi)
1	25.4	0.8	5	250
1 1/2	38.1	1	6	250
2	50.8	1.2	6.5	250
2-1/2	63.5	1.6	8	250
3	76.2	2	9.5	250
4	101.6	4.4	16	250
6	152.4	7	20	250
8	203.2	10	29	250
10	254	23	40	150

- Inner Wire : Galvanized Steel (G)
- Inner Liner : Polypropylene fabric
- Hose Wall : Multiple layers of fabric/film/tubes
- Cover : Blue PVC-covered polyester
- Outer Wire : Galvanized: Steel (G)
- Temp. Range : -40° F to + 212°F (-40°C to +100°C)
- Industry Standards : Complies with AS1869 Class E & En13766 Class A Type 1
- Applications : Marine, plant processing, rail car, ship-to-shore, tank truck
Note : Not for dry material service
- Vacuun : Full



COMPOSITE - (CHEMICAL TRANSFER HOSE)

ID(in)	ID(mm)	Approx wt (lbs/ft)	Min Bend Rad (in)	Max Rec WP (psi)
1	25.4	0.8	5	250
1 1/2	38.1	1	6	250
2	50.8	1.2	6.5	250
2-1/2	63.5	1.6	8	250
3	76.2	2	9.5	250
4	101.6	4.4	16	250
6	152.4	7	20	250
8	203.2	10	29	250
10	254	23	40	150

- Inner Wire : Polypropylene - coated steel (P)
- Inner Liner : Polypropylene fabric
- Hose Wall : Multiple layers of fabric/film/tubes
- Cover : Blue PVC-covered polyester
- Outer Wire : Galvanized: Steel (G)
- Temp. Range : -40° F to + 212°F (-40°C to +100°C)
- Industry Standards : Complies with En13765
- Applications : Chemicals, inks, paints, plant processing, rail cars, tank trucks
Note : Not for dry material service
- Vacuun : Full



PTEF CHEMICAL TRANSFER HOSE

ID(in)	ID(mm)	Approx wt (lbs/ft)	Min Bend Rad (in)	Max Rec WP (psi)
1	25.4	0.8	5	250
1 1/2	38.1	1	6	250
2	50.8	1.2	6.5	250
2-1/2	63.5	1.6	8	250
3	76.2	2	9.5	250
4	101.6	4.4	16	250
6	152.4	7	20	250
8	203.2	10	29	250
10	254	23	40	150

- Inner Wire : Stainless Steel (S)
- Inner Liner : Polypropylene fabric (PTFF)
- Hose Wall : Multiple layers of fabric/film/tubes
- Cover : Red PVC coated polyester
- Outer Wire : Stainless Steel (S)
- Temp. Range : -40° F to + 212°F (-40°C to +100°C)
- Working Pressure : 250 PSI
- Industry Standards : Complies with EN13765
- Applications : Chemicals, inks, paints, plant processing, rail cars, tank trucks
Note : Not for dry material service
- Vacuun : Full



METAL BELLOWS EXPANSION JOINTS

Expansion Joints are bellows flexible connection accessories used for absorbing thermal motions caused by ambient or transferring fluid temperature, angular motions originated from seismic events or land Subsidence and any vibrations occurs in installations. Expansion Joints have stainless steel bellows (undulation) formed hydraulically as a main part and are used in many applications such as industry and buildings with addition of limit rods, cranks and liners.

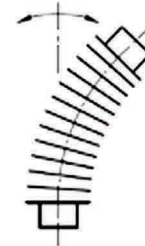


Metal Bellows Expansion Joint Product Specifications

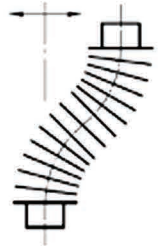
Bellows and Liner Materials	AISI 304 Stainless Steel (Optional : 316L, 316Ti, 309)
Connections	Carbon Steel (Optional: Stainless Steel)
Nominal Diameter	DN50 (2") - DN4500
Operating Pressure	As Per Design or Client Requirement
Operating Temperature	As Per Design or Client Requirement
Connection Types	Floating Flanged, Fixed Flanged, Welding Neck
Design	According to the EJMA Standards



Axial movement

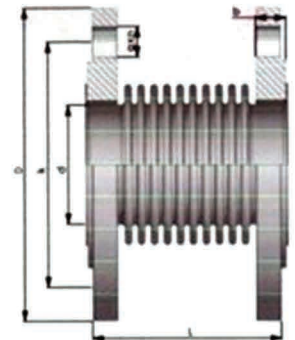


Angular Movement



Lateral Movement

Axial Expansion Joints are flexible accessories designed for absorbing dimension changes occurred due to temperature differences or existing vibrations in pipelines. With the option of liner installation, vibrations that may result from high fluid flows and material erosion that erosive fluids may cause on surface of bellows is prevented from happening.



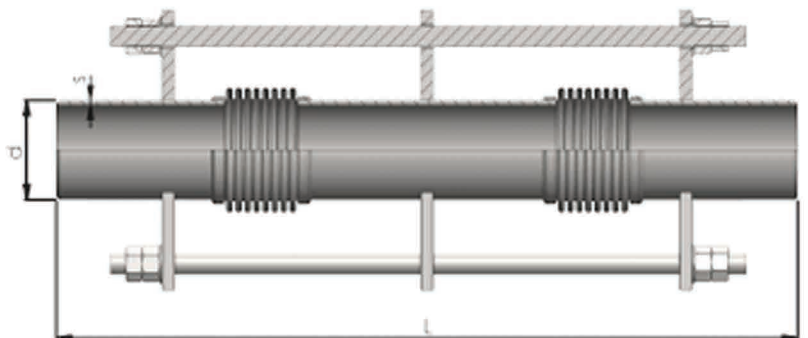
GIMBAL TYPE (SEISMIC) EXPANSION

Expansion Joints are bellows flexible connection accessories used for absorbing thermal motions caused by ambient or transferring fluid temperature, angular motions originated from seismic events or land Subsidence and any vibrations occurs in installations. Expansion Joints have stainless steel bellows (undulation) formed hydraulically as a main part and are used in many applications such as industry and buildings with addition of limit rods, cranks and liners.



UNIVERSAL TIED EXPANSION JOINTS WITH WELDING NECKS

Universal Tied Expansion Joints are used in buildings with different construction foundations. They are installation accessories in order to absorb large lateral motions resulted from subsidence and ground motion. Thus, pipelines are prevented from damage after possible motions.



RUBBER EXPANSION JOINTS

Rubber Expansion Joints are installation accessories that can absorb axial, lateral and angular motions. Rubber Expansion Joints consist of a rubber main body, steel wire and nylon cord reinforced special synthetic rubber. Main advantages are easiness of installation with floating flanges, vibration and sound absorption, installation without additional need for seals.

Material Specifications

Bellows	EPDM (Optional: NBR, NR, Viton)
Flanges	Carbon Steel (Optional: Stainless Steel)
Diameter	DN32 / DN1000
Temperature	100°C

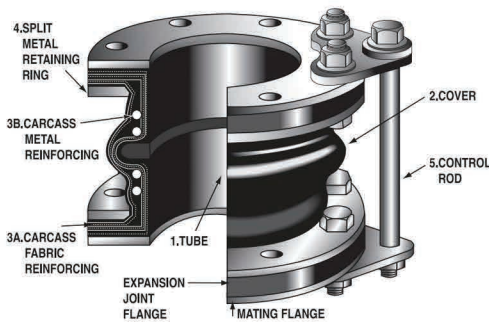
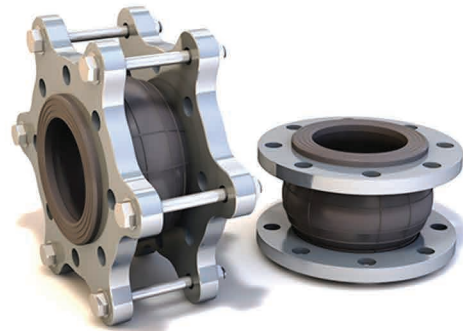


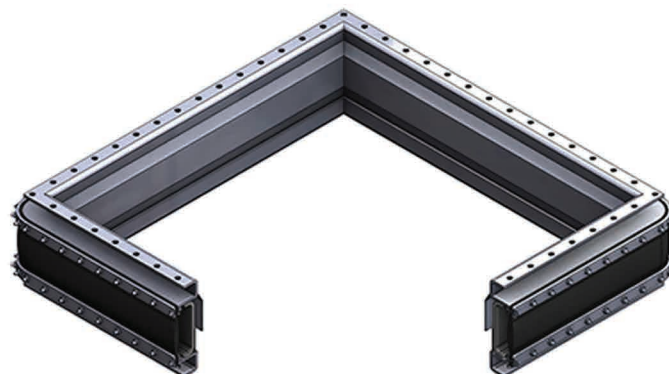
Figure 1 : Cross Sectional View of Standard Spool "Arch" Type Expansion Joint



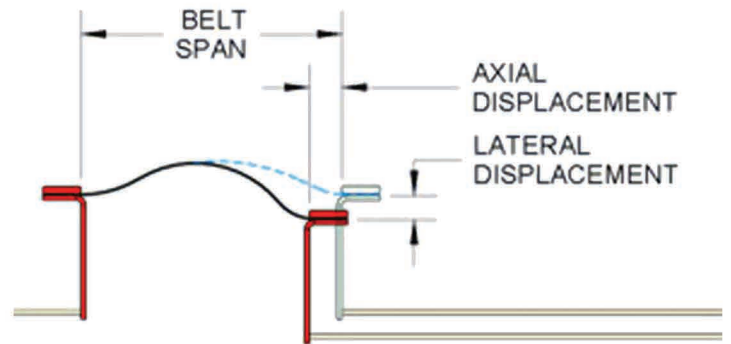
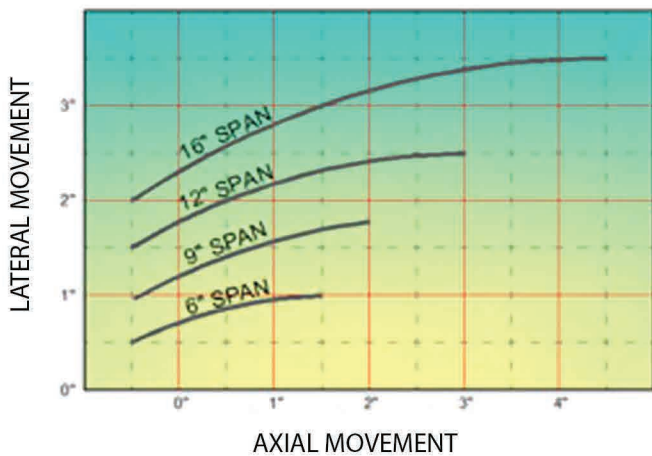
FABRIC EXPANSION JOINT

WHAT IS A FABRIC EXPANSION JOINT ?

Fabric expansion joints perform a function of compensating for duct misalignment and duct thermal growth typical in power plants and other ducting systems. Fabric expansion joints are found wherever there is a need to convey hot media in low pressure applications such as "in flowing air" and "out flowing gas" in large combustion processes. Fabric expansion joints can absorb larger movements than metal expansion joints and do so without spring loads. This is critical to limiting thermally induced stresses in ducting, ducting supports, and related equipment.



FABRIC EXPANSION JOINT MOVEMENT CHART



The chart shown above depicts the relationship of belt span, maximum compression and concurrent lateral movements. The maximum compression is a percentage of the available belt span (shown at the right end of the plot line). The wider the span, the more capacity for compression. The lateral capacity is a function of the belt slack created with concurrent compression. As the compression increases, more belt material is available to safely allow movement without overstressing the fabric material. In situations with large lateral movement and little compression, the joint can be installed pre-compressed to have more lateral capacity. When in doubt, allow experienced U.S. Bellows engineers to help select the correct span for each particular application.





Admin office

Poddar Samruddhi Evergreen, 30/202,
Kalyan-Karjat Road, Badlapur (E),
Dist.: Thane - 421503, Maharashtra



8591318329 / 8454038353



Work Unit 1

PBT Plot No: 4,
Ghoupdev Cross Road No. 3,
Reayroad, Byculla(E),
Mumbai - 400033



ssfexind@gmail.com



Work Unit 2

381/26, Italian Building,
Gala No. 18 & 19,
Sane Guruji Marg, Agripada,
Mumbai - 400011

Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

METAL HOSE (FITTING)



Swivel Fitting

Alloys- T304 Stainless Steel
Sizes - 1/4" thru 2"



Slip-on Flange

Alloys- T304 and T316 Stainless Steel,
Carbon Steel
Sizes - 1 1/2" thru 12"
Class - 150#, 300#



Female Union (Threaded/Socket Weld)

Alloys- T304 and T316 Stainless Steel,
Carbon Steel, Malleable Iron,
Brass
Sizes - 1/4" thru 4"
Class - 125#, 150#, 3000# (Carbon



Plate Flange

Alloys- T304 and T316 Stainless Steel,
Carbon Steel
Sizes - 1 1/2" thru 14"
Class - 150#



Female Half Coupling (Threaded/Socket Weld)

Alloys - T304 and T316 Stainless
Steel, Carbon Steel, Malleable
Iron, Brass
Sizes - 1/4" thru 4"
Class - 150#, 3000#



C Stub with Floating Flange

Alloys- T304 and T316 Stainless Steel
Sizes - 1 1/2" thru 10"
Schedule - 10



1,2 of 3 Piece SAE (JIC)

Alloys- T316 and Stainless Steel, Brass
(Nut only)
Sizes - 1/4" thru 2"



Hammer Union

Alloys- Stainless Steel, Carbon Steel
Sizes - 1 1/2" thru 8"
(Fig - 100 to Fig - 2202)



45 and 90 SAE (JIC)

Alloys- Stainless Steel
Sizes - 1/4" thru 2"



Tube End

Alloys- T304 and T316 Stainless Steel,
Carbon Steel, Aluminum
Sizes - 1 1/2" thru 8"
Wall Thickness - Various

CAMLOCK COUPLINGS / QUICK RELEASE COUPLINGS

SRSflex Quick and camlock couplings conserve energy and are easy to connect or disconnect without the use of hand tools, for various purpose where products are transferred by pipe or hoses, like Brewing, Chemical, Fertilizer, Mining, Petroleum, Steel Plants, Atomic Energy, Power Plant, Cement Plant and Offshore.



Camlock Female Coupler & Adaptor



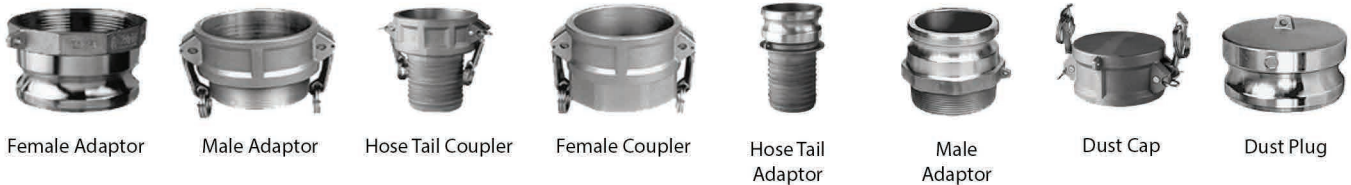
Quick Release Couplings



Coupler Hose Shank

Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

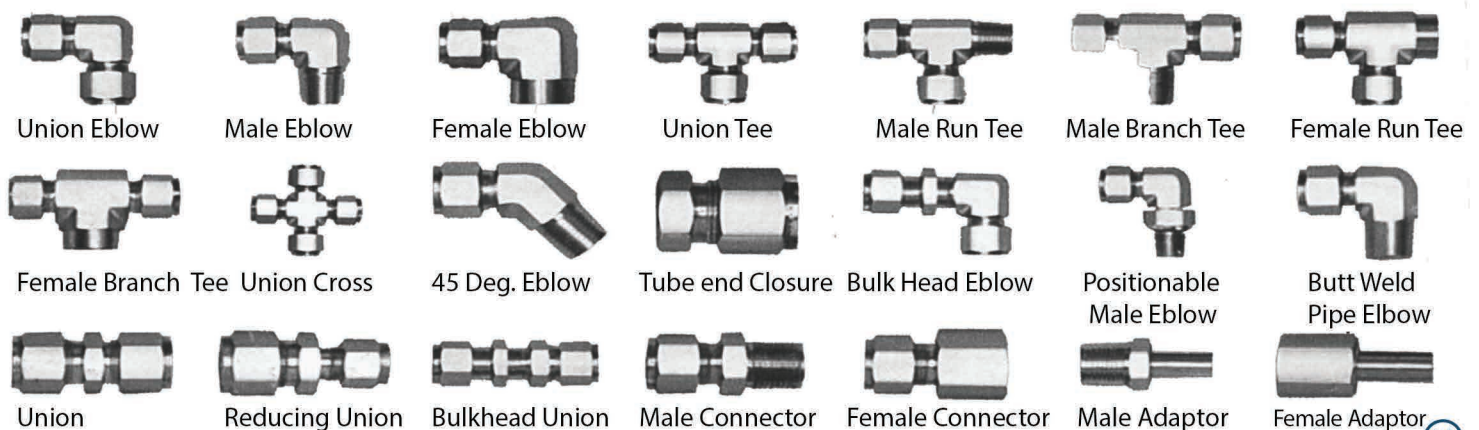
OUR RANGE OF OTHER PRODUCTS



BUTT WELDING FITTINGS TO ANSI B16.9



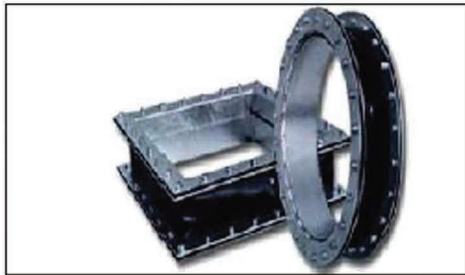
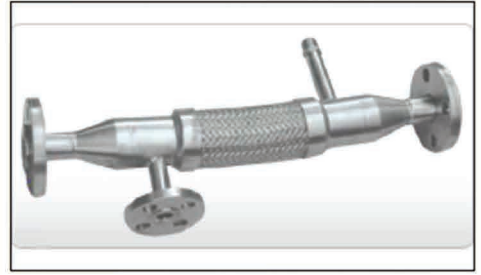
S. S. FERRULE FITTINGS



Manufacturers of all kinds of expansion joint & flexible hoses, assemblies & fittings

CORROSION RESISTANCE GUIDE

Acetic Acid	70°	A	A	B	Chromic Acid (10%)	Boil	C	B	B	Paraffin	Hot	A	A	A
Acetic Anhydride	Boil	A	A	B	Cider	70°	A	A	A	Phosph. Acid (20%)	Boil	C	B	B
Acetone	Boil	A	A	A	Citric Acid (15%)	Boil	B	A	B	Potass. Carbonate	Hot	A	A	A
Acetylene	70°	A	A	A	Coffee	Boil	A	A	A	Potass. Chlor. (5%)	Boil	B	B	B
Alcohols	Boil	B	A	A	Copper Chloride (5%)	70°	C	C	A	Potas. Chrom. (25%)	Boil	A	A	B
Aluminum Chloride	70°	C	C	A	Copper Nitrate	Hot	A	A	C	Potas. Cyanide	70°	A	A	A
Aluminum Hydrox.	70°	A	A	B	Copper Sulfate	Boil	A	A	B	Potas. Hydrox. (50%)	Boil	B	A	A
Aluminum Sulfate	Boil	B	A	B	Corn Oil	70°	A	A	A	Potas. Sulfate (5%)	Hot	B	A	B
Ammonia-Dry	Hot	A	A	A	Cottonseed Oil	70°	A	A	A	Propane	70°	A	A	A
Ammonia-Moist	Boil	A	A	C	Creosote	Hot	A	A	A	Rosin	Molten	A	A	A
Ammonium Hydrox.	70°	A	A	A	Crude Oil	Hot	B	A	A	Sea Water	70°	B	B	B
Ammonium Chlor.	Boil	B	A	A	Ethers	70°	A	A	A	Sewage	70°	A	A	A
Ammonium Nitrate	70°	A	A	C	Ethyl Acetate (conct)	70°	A	A	B	Soap Solutions	70°	A	A	A
Ammonium Sulfate	Boil	B	A	B	Ethyl Chloride	70°	A	A	B	Sodium Bicarb. (5%)	150°	A	A	A
Amyl Ace. (conct)	70°	A	A	A	Ethylene Glycol	70°	A	A	A	Sodium Bisulfite	70°	A	A	B
Amyl Alcohol	70°	A	A	A	Ferric Chloride	70°	C	C	B	Sodium Carb. (50%)	Boil	A	A	A
Aniline (conct)	70°	A	A	A	Ferric Sulfate (10%)	Boil	B	A	C	Sodium Chlor. (5%)	150°	C	B	B
Aniline Hydrochlor.	70°	C	C	A	Ferrous Sulfate	Boil	B	A	B	Sodium Cyanide	70°	A	A	B
Asphalt	Hot	A	A	A	Formaldehyde (40%)	70°	B	B	A	Sodium Hydroxide	Boil	A	A	A
Atmosphere, Indust.	70°	A	A	A	Formic Acid (50%)	50°	B	A	B	Sodium Hyp. (5%)	70°	C	B	B
Barium Carbonate	70°	A	A	B	Freon	70°	A	A	A	Sodium Nitrate	70°	A	A	A
Barium Chloride	Hot	B	A	A	Fruit Juices	70°	A	A	A	Sodium Perox. (10%)	150°	A	A	B
Barium Hydroxide	Hot	A	A	B	Furfural	70°	A	A	A	Sodium Phosphate	70°	A	A	A
Barium Sulfate	70°	A	A	B	Gasoline	70°	A	A	A	Sodium Sulf. (10%)	150°	B	A	A
Barium Sulfide	70°	A	A	C	Gelatine	70°	A	A	A	Sodium Thiosulfate	70°	A	A	A
Beer	70°	A	A	A	Glue (Acid Solution)	70°	B	A	A	Steam	200°	A	A	A
Benzine	Hot	A	A	A	Glycerine	70°	A	A	A	Stearic Acid	70°	B	A	B
Benzoic Acid	70°	A	A	B	Hydrobromic Acid	70°	C	C	C	Sugar Solutions	70°	A	A	A
Benzol	Hot	A	A	A	Hydrochloric Acid	70°	C	C	B	Sulfur, Dry	350°	A	A	A
Black Liquor	Hot	B	B	A	Hydrocyanic Acid	70°	A	A	B	Sulfur, Molten	200°	C	B	B
Bleaching Pow., wet	70°	C	C	B	Hydrofluoric Acid	70°	C	C	B	Sulfur Chloride, Dry	Hot	C	C	A
Borax (5%)	Hot	A	A	A	Hydrogen Peroxide	70°	A	A	B	Sulfur Dioxide, Dry	70°	A	A	B
Boric Acid	Boil	A	A	B	Hydrogen Sulfide, Dry	70°	A	A	A	Sulfur Dioxide, Mo.	70°	C	B	C
Bromine, Dry	70°	C	C	A	Hydrogen Sulfide, Mo.	70°	B	A	B	Sulfur Trioxide, Dry	70°	A	A	A
Bromine, Moist	70°	C	C	B	Kerosene	70°	A	A	A	Sulfur. Ac. (95-100%)	70°	A	A	B
Butate	70°	A	A	A	Lacquers	70°	A	A	A	Sulfur. Ac. (80-95%)	70°	B	B	B
Buttermilk	70°	A	A	A	Lacquer Solvents	70°	A	A	A	Sulfur Ac. (40-80%)	Boil	C	C	C
Butyl Alcohol	70°	A	A	A	Lactic Acid (5%)		B	A	B	Sulfur Ac. (40%)	300°	C	C	C
Butyric Acid (5%)	Boil	A	A	B	Lime	70°	A	A	A	Tannic Acid	70°	A	A	B
Calcium Chloride	70°	B	A	B	Lime-Sulfur	70°	B	B	B	Tar	70°	A	A	A
Calcium Hydr. (20%)	Boil	A	A	B	Linseed Oil	70°	A	A	A	Tartaric Acid (10%)	70°	B	A	B
Calcium Hyp. (20%)	70°	C	B	B	Magnesium Chl. (5%)	Hot	C	B	B	Toluene	70°	A	A	A
Cane Sugar Syrups	Hot	A	A	A	Magnesium Sulfate	Hot	B	A	A	Trichloroacetic Acid	70°	C	C	B
Carbolic Acid (Phe.)	Boil	A	A	B	Mercury	70°	A	A	B	Trichlorethylene, Dry	70°	A	A	A
Carbon Dioxide, Dry	Hot	A	A	A	Mercury Salts	70°	C	C	A	Trichlorethylene, Mo.	70°	C	B	B
Carbon Dioxide, M	Hot	A	A	A	Methyl Chloride, Dry	70°	A	A	A	Turpentine	70°	A	A	A
Carbonated Water	70°	A	A	A	Milk	Hot	A	A	A	Varnish	70°	A	A	A
Carbonated Bevera.	70°	A	A	A	Mine Water	70°	A	A	B	Vinegar	70°	A	A	B
Carbon Tetra., Dry	Boil	A	A	A	Natural Gas	70°	A	A	A	Water	70°	A	A	A
Carbon Tetra., Moist	Boil	C	C	B	Nitric Acid (contc)	Boil	A	A	C	Zinc Chloride	Boil	C	C	B
Chlorine, Dry	70°	C	B	A	Nitrogen	70°	A	A	A	Zinc Sulfate	Boil	B	A	B
Chlorine, Moist	70°	C	C	B	Oleic Acid	Boil	B	A	A					
Chlorinated Water	70°	C	C	A	Oxalic Acid (10%)	Boil	C	B	B					
Chloroform, Dry	70°	A	A	A	Oxygen	70°	A	A	A					



SRI SADGURU

FLEX INDUSTRIES

Admin office

Poddar Evergreen, 30/202, Kalyan-Karjat Road, Badlapur East, Dist.: Thane - 421503, Maharashtra

Work Unit 1

PBT Plot No: 4, Ghoupdev Cross Road No. 3, Reayroad Byculla, Mumbai - 400033

Work Unit 2

381/26, Italian Building Gala No. 18 & 19, Sane Guruji Marg, Agripada, Mumbai - 400011

☎ 8591318329 / 8454038353

@ ssflexind@gmail.com