

Expansion Joint

INSTALLATION REQUIREMENT
APPLICATION INFORMATION
MATERIAL & DIMENSION TABLE
TYPE APPROVAL CERTIFICATES



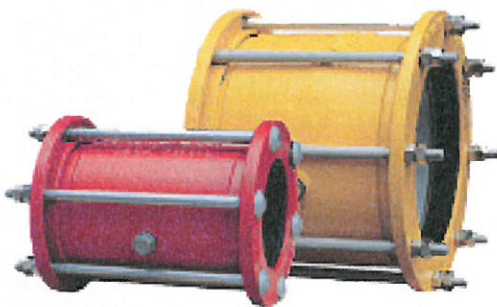
Expansion Joint

INSTALLATION REQUIREMENT

- Divide the pipe length into sections ensuring that the expansion is within the allowable movement of a joint.
- Both ends of pipe to be smooth cut and chamfered (squared off) not to hurt gasket material by mechanical damage such as scratching.
- Push follower, gasket & middle ring in regular sequence when inserting gasket material, check again where there is a sharp edge of piping with no burring.
- Try to provide the anchor bolt of EXPANSION JOINT on to both pipes.
- Bolting each hole of end ring and tighten nut properly.

APPLICATION INFORMATION

- There are lots of applicable fluid pipes in general.
For the details of application, please refer to our type approval certificates or contact our people without hesitation.



DRESSER TYPE



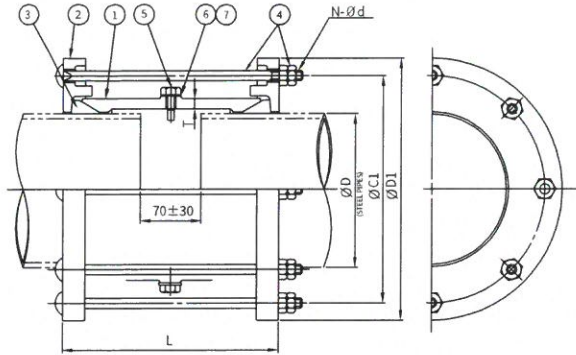
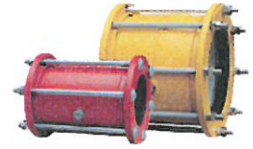
FLANGE ADAPTER TYPE



SLEEVE TYPE



TYPE : DRESSER (FOR STEEL PIPES)



TYPE	DESCRIPTIONS	MATERIAL		Q'TY
		SPEC.1	SPEC.2	
1	MIDDLE RING	FCD 450	STAINLESS C.	1
2	FOLLOWER	FCD 450	STAINLESS C.	2
3	GASKET	NBR, VITON, TEFLON		2
4	TIGHT BOLT&NUT	SS400, SUS304, SUS316		3 TO 16
5	STOP BOLT	SUS 304, SUS316		2
6	WASHER	SUS 304, SUS316		2
7	PACKING	NBR, VITON, TEFLON		2

※ Other proper material may be used on special request.

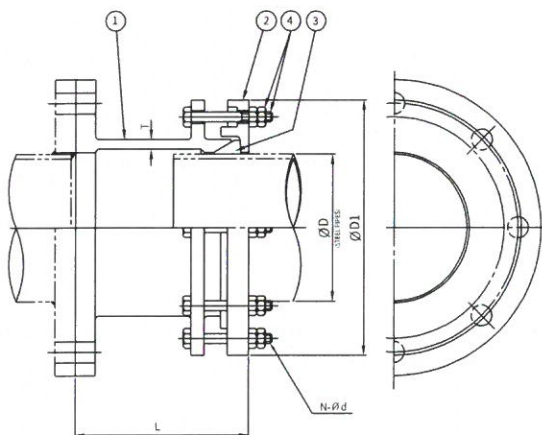
DIMENSION TABLE

(UNIT : mm)

NOMINAL DIA		øD	øD1	øC1	N-ød	L(APPROX)	T	WEIGHT(kg)
INCH	MM							
1 1/2"	40A	48.6	117	95	3-15	273	6	6
2"	50A	60.5	132	107	3-15	273	6	8.5
2 1/2"	65A	76.3	153	128	4-15	273	7	10.2
3"	80A	89.1	180	148	4-19	282	7.5	14
4"	100A	114.3	208	177	4-19	284	9	19.1
5"	125A	139.8	238	207	6-19	294	10	25
6"	150A	165.1	270	238	6-19	300	11	31.1
8"	200A	216.3	330	295	6-19	307	13	46
10"	250A	267.3	378	344	8-19	309	13	58
12"	300A	318.5	434	398	8-19	311	13	69
14"	350A	355.6	473	436	10-19	311	13	82.1
16"	400A	406.4	524	483	10-19	311	13	97.2
18"	450A	457.2	578	542	12-19	315	13	108.3
20"	500A	508.0	632	592	12-19	340	14	122
22"	550A	558.8	686	647	14-19	340	14	138
24"	600A	609.9	734	695	14-19	340	14	150.1
26"	650A	660.4	790	750	16-19	340	14	168.1
28"	700A	711.2	840	798	16-19	340	14	187
30"	750A	762.0	895	853	16-19	340	14	202
32"	800A	812.8	940	902	16-19	340	14	215

· Note : The above pipe connection shows JIS pipes but others such as ANSI, BS, DIN can be available on your request.

TYPE : FLANGE ADAPTER (FOR STEEL PIPES)



TYPE	DESCRIPTIONS	MATERIAL		Q'TY
		SPEC.1	SPEC.2	
1	MIDDLE RING	FCD 450	STAINLESS C.	1
2	FOLLOWER	FCD 450	STAINLESS C.	1
3	GASKET	NBR, VITON, TEFLON		1
4	TIGHT BOLT & NUT	SS400, SUS304, SUS316		3 TO 16

※ Other proper material may be used on special request.

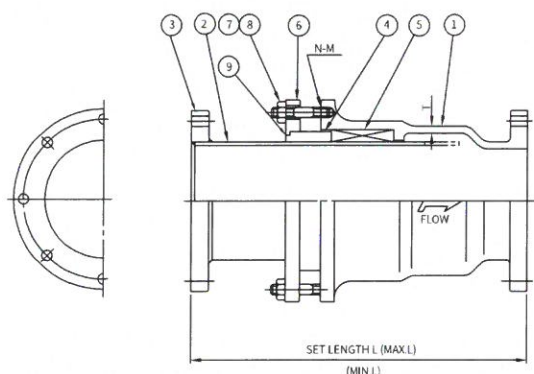
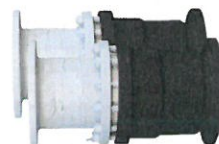
DIMENSION TABLE

(UNIT : mm)

NOMINAL DIA		øD	øD1	T	N-ød	L(APPROX)		
INCH	MM					5kg/cm ²	10kg/cm ²	16kg/cm ²
1 1/2"	40A	48.6	117	6	3-15	172	176	176
2"	50A	60.5	132	6	3-15	174	176	176
2 1/2"	65A	76.3	153	7	4-15	175	178	178
3"	80A	89.1	180	7.5	4-19	179	183	183
4"	100A	114.3	208	9	4-19	182	184	188
5"	125A	139.8	238	10	6-19	187	191	193
6"	150A	165.1	272	11	6-19	192	196	198
8"	200A	216.3	330	13	8-19	197	199	203
10"	250A	267.3	378	13	8-19	200	202	206
12"	300A	318.5	434	13	8-19	201	203	209
14"	350A	355.6	473	13	10-19	203	205	213
16"	400A	406.4	524	13	10-19	203	211	217
18"	450A	457.2	578	13	12-19	205	213	221
20"	500A	508.0	632	14	12-19	207	215	225
22"	550A	558.8	686	14	14-19	209	221	227
24"	600A	609.9	734	14	14-19	209	227	229
26"	650A	660.4	790	14	16-19	209	227	231
28"	700A	711.2	840	14	16-19	209	227	233
30"	750A	762.0	895	14	16-19	211	227	235
32"	800A	812.8	940	14	16-19	211	227	237

· Note : The above pipe connection shows JIS pipes but others such as ANSI, BS, DIN can be available on your request.

TYPE : SLEEVE (SHORT TYPE)



MATERIAL TABLE

TYPE	DESCRIPTIONS	MATERIAL	REMARKS
1	BODY	FCD 450	
2	SLEEVE	SUS 304	
3	FLANGE	SS 400 / SUS 304	
4	BUSH	BC 6	
5	PACKING	NON ASBESTOS	
6	GLAND	SS 400 / SUS 304	
7	STUD BOLT	SUS 304	
8	HEXACON NUT	SUS 304	
9	SET SCREW	SUS 304	

Remarks

- 1) Other proper material may be used on special request.
- 2) The length(L) can be adjustable according to customer's request.

5kg/cm²

(UNIT : mm)

NOMINAL DIA		L			T	N-M
INCH	MM	SET.L	MAX.L	MIN.L		
1 1/2"	40A	340	393	273	7	4-M12
2"	50A	345	395	275	8	4-M12
2 1/2"	65A	350	400	280	8	4-M12
3"	80A	385	445	325	9	4-M16
4"	100A	390	450	330	9	8-M16
5"	125A	390	450	330	10	8-M16
6"	150A	400	457	337	11	8-M16
8"	200A	420	482	362	12	8-M16
10"	250A	435	494	374	14	12-M22
12"	300A	455	517	397	15	12-M22
14"	350A	465	524	404	15	12-M22

Note : The above pipe connection shows JIS pipes but others such as ANSI, BS, DIN can be available on your request.

10kg/cm²

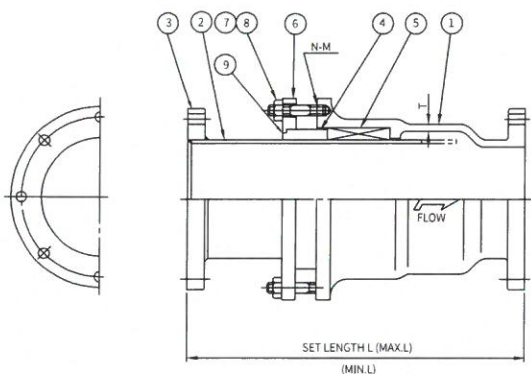
(UNIT : mm)

NOMINAL DIA		L			T	N-M
INCH	MM	SET.L	MAX.L	MIN.L		
1 1/2"	40A	368	433	313	8	4-M16
2"	50A	368	433	313	8	4-M16
2 1/2"	65A	382	442	322	8	4-M16
3"	80A	415	475	355	9	8-M16
4"	100A	415	475	355	9	8-M16
5"	125A	432	492	372	11	8-M20
6"	150A	439	499	379	12	8-M20
8"	200A	458	518	398	12	12-M20
10"	250A	472	535	415	15	12-M22
12"	300A	510	570	450	16	16-M22
14"	350A	517	577	457	18	16-M22

Note : The above pipe connection shows JIS pipes but others such as ANSI, BS, DIN can be available on your request.



TYPE : SLEEVE (LONG TYPE)



MATERIAL TABLE

TYPE	DESCRIPTIONS	MATERIAL	REMARKS
1	BODY	FCD 450	
2	SLEEVE	SUS 304	
3	FLANGE	SS 400 / SUS 304	
4	BUSH	BC 6	
5	PACKING	NON ASBESTOS	
6	GLAND	SS 400 / SUS 304	
7	STUD BOLT	SUS 304	
8	HEXACON NUT	SUS 304	
9	SET SCREW	SUS 304	

Remarks

- 1) Other proper material may be used on special request.
- 2) The length(L) can be adjustable according to customer's request.

5kg/cm²

(UNIT : mm)

NOMINAL DIA		L			T	N-M
INCH	MM	SET.L	MAX.L	MIN.L		
1 1/2"	40A	430	483	363	7	4-M12
2"	50A	434	484	364	8	4-M12
2 1/2"	65A	439	489	369	8	4-M12
3"	80A	446	506	386	9	4-M16
4"	100A	465	525	405	9	8-M16
5"	125A	470	530	410	10	8-M16
6"	150A	495	552	432	11	8-M16
8"	200A	505	567	447	12	8-M16
10"	250A	520	579	459	14	12-M22
12"	300A	535	597	477	15	12-M22
14"	350A	555	614	494	15	12-M22

Note : The above pipe connection shows JIS pipes but others such as ANSI, BS, DIN can be available on your request.

10kg/cm²

(UNIT : mm)

NOMINAL DIA		L			T	N-M
INCH	MM	SET.L	MAX.L	MIN.L		
1 1/2"	40A	461	526	406	8	4-M16
2"	50A	461	526	406	8	4-M16
2 1/2"	65A	469	529	409	8	4-M16
3"	80A	509	569	449	9	8-M16
4"	100A	509	569	449	9	8-M16
5"	125A	534	594	474	11	8-M20
6"	150A	539	599	479	12	8-M20
8"	200A	571	631	511	12	12-M20
10"	250A	580	640	520	15	12-M22
12"	300A	600	660	540	16	16-M22
14"	350A	615	675	555	18	16-M22

Note : The above pipe connection shows JIS pipes but others such as ANSI, BS, DIN can be available on your request.

TYPE APPROVAL CERTIFICATES



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