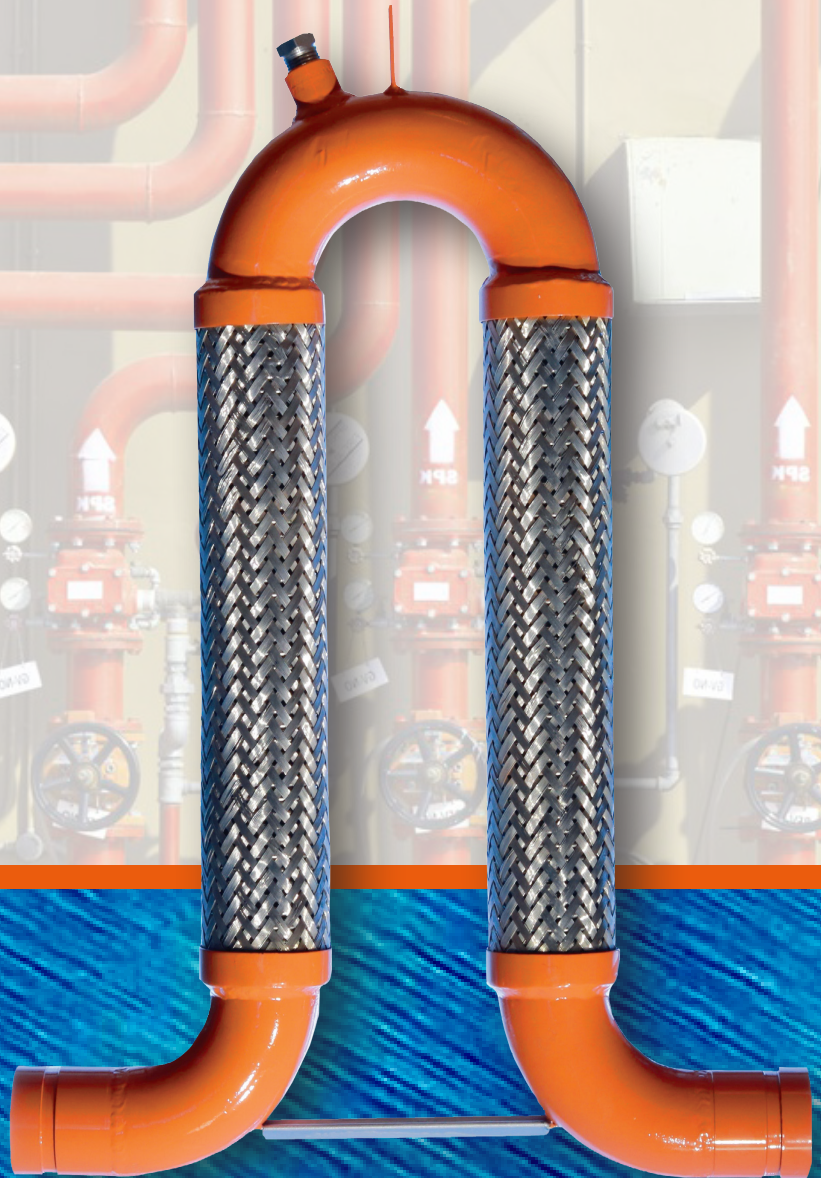
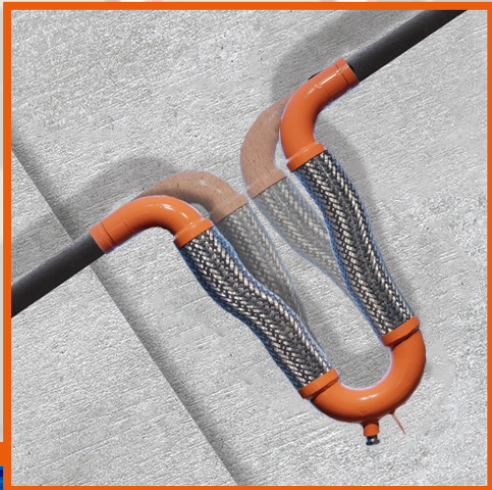


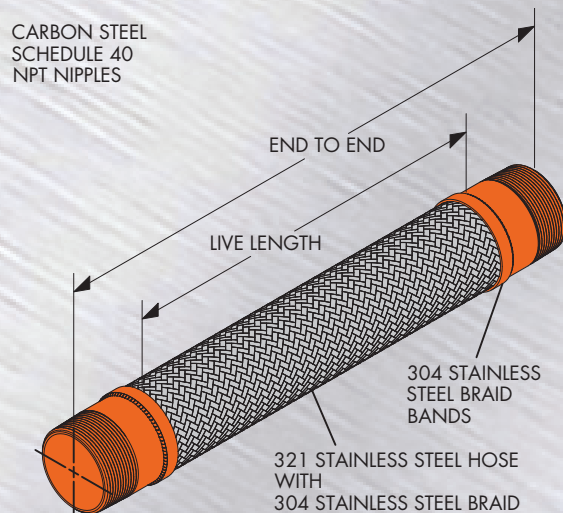
CONNECTALL

FLEXIBLE JOINT FOR FIRE PROTECTION SYSTEMS



A19-UL

SS BRAIDED HOSE WITH CARBON STEEL
THREADED NIPPLES FOR SPRINKLER
AND FIRE PROTECTION SYSTEMS



Conforms to UL and NFPA Approved Temperature Range.

These flexible joint fitting assemblies are UL Listed under File EX27186 and are intended for installation in accordance with the Connectall installation instructions and the applicable requirements.

Connectall Industries ensures for all UL Listed Products:

1. All hose dimensions meet our specifications and dimensions as tabulated.
2. Each assembly is pressure tested using Nitrogen Gas for 1 minute at 1 1/2 times the rated working pressure with no leaks.
3. All threads on ending fittings are checked using a certified thread gauge to make certain that the threads were machined in accordance to ANSI / ASME B1.20.1.
4. A metal tag is attached which shows the UL Mark and Identification Number, our name, the location, and the Part Number with the approval date (month and year).
5. Two product stickers which show the UL Mark and Identification number are on each shipping crate.

A19-UL DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Pipe Size & Face to Face (in)	Live Length (in)	Maximum Permanent Lateral Offset (in)	Rated Pressure 70° F (psig)	Static Centerline Bend Radius (in)	Strip Thickness (in)	Corr. Count per Foot	Braid Construction	Collar Thickness (in)	Collar Width (in)	Number of Braid Layer
A19-UL	1/2 x 12	6.5	1.25	175	1.5	0.01	82	24 x 7 x 0.014	0.049	0.625	1
A19-UL	1/2 x 18	12.5	4	175	1.5	0.01	82	24 x 7 x 0.014	0.049	0.625	1
A19-UL	1/2 x 24	18.5	6.5	175	1.5	0.01	82	24 x 7 x 0.014	0.049	0.625	1
A19-UL	1/2 x 36	30.5	12	175	1.5	0.01	82	24 x 7 x 0.014	0.049	0.625	1
A19-UL	3/4 x 12	6.5	1	175	2.25	0.015	60	36 x 8 x 0.014	0.049	0.75	1
A19-UL	3/4 x 18	12.5	3.5	175	2.25	0.015	60	36 x 8 x 0.014	0.049	0.75	1
A19-UL	3/4 x 24	18.5	7	175	2.25	0.015	60	36 x 8 x 0.014	0.049	0.75	1
A19-UL	3/4 x 36	30.5	14	175	2.25	0.015	60	36 x 8 x 0.014	0.049	0.75	1
A19-UL	1 x 12	6.5	0.75	175	2.75	0.015	50	36 x 9 x 0.014	0.049	0.75	1
A19-UL	1 x 18	12.5	3	175	2.75	0.015	50	36 x 9 x 0.014	0.049	0.75	1
A19-UL	1 x 24	18.5	6.5	175	2.75	0.015	50	36 x 9 x 0.014	0.049	0.75	1
A19-UL	1 x 36	30.4	11	175	2.75	0.015	50	36 x 9 x 0.014	0.049	0.75	1
A19-UL	1 1/4 x 12	5.5	0.5	175	3.5	0.015	46	48 x 7 x 0.016	0.049	0.75	1
A19-UL	1 1/4 x 18	11.5	2	175	3.5	0.015	46	48 x 7 x 0.016	0.049	0.75	1
A19-UL	1 1/4 x 24	17.5	4.5	175	3.5	0.015	46	48 x 7 x 0.016	0.049	0.75	1
A19-UL	1 1/4 x 36	29.5	10	175	3.5	0.015	46	48 x 7 x 0.016	0.049	0.75	1
A19-UL	1 1/2 x 12	5.5	0.437	175	4	0.015	42	48 x 9 x 0.016	0.049	0.75	1
A19-UL	1 1/2 x 18	11.5	1.75	175	4	0.015	42	48 x 9 x 0.016	0.049	0.75	1
A19-UL	1 1/2 x 24	17.5	3.75	175	4	0.015	42	48 x 9 x 0.016	0.049	0.75	1
A19-UL	1 1/2 x 36	29.5	9	175	4	0.015	42	48 x 9 x 0.016	0.049	0.75	1
A19-UL	2 x 12	5.5	0.312	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1
A19-UL	2 x 18	11.5	1.312	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1
A19-UL	2 x 24	17.5	3	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1
A19-UL	2 x 36	29.5	8.5	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1
A19-UL	2 1/2 x 18	11	0.75	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1
A19-UL	2 1/2 x 24	17	1.875	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1
A19-UL	2 1/2 x 36	29	5.25	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1
A19-UL	3 x 18	11	0.625	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1
A19-UL	3 x 24	17	1.625	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1
A19-UL	3 x 36	29	4.625	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1
A19-UL	4 x 18	9.375	0.375	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1
A19-UL	4 x 24	15.375	0.875	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1
A19-UL	4 x 36	27.375	2.875	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1

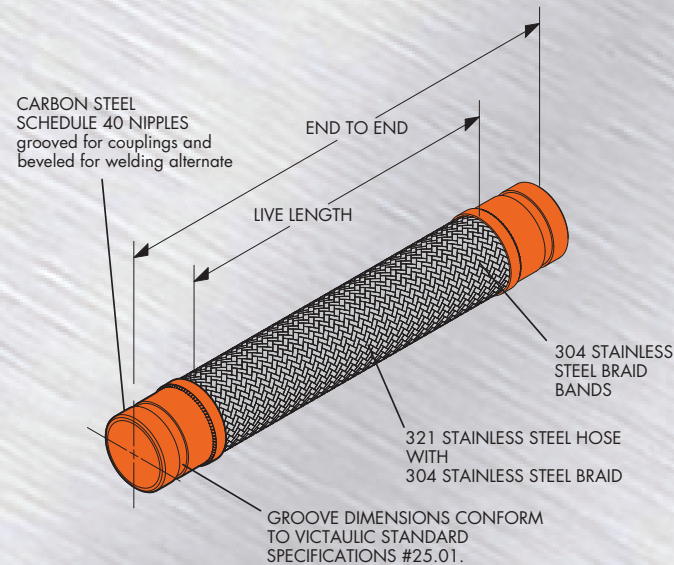
End to End Tolerance: minus 1% plus 3%. Minimum Burst is four times the rated pressure. Safety factor of 4.
Lateral Offset one side of centerline and normal machinery vibration. If intermittent in both directions, reduce by 50%.

CONNECTALL

1955 boul. Dagenais, Laval (Québec) H7L 5V1

A15-UL

SS BRAIDED HOSE WITH CARBON STEEL
GROOVED WELD FOR SPRINKLER
AND FIRE PROTECTION SYSTEMS



Conforms to UL and NFPA Approved Temperature Range.

A15-UL DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Pipe Size & Face to Face (in)	Live Length (in)	Maximum Permanent Lateral Offset (in)	Rated Pressure 70° F (psig)	Static Centerline Bend Radius (in)	Strip Thickness (in)	Corr. Count per Foot	Braid Construction	Collar Thickness (in)	Collar Width (in)	Number of Braid Layer
A15-UL	2 x 16	9.5	1	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1
A15-UL	2 x 24	16.5	3.25	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1
A15-UL	2 x 36	29.5	8	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1
A15-UL	2 1/2 x 18	10.5	0.875	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1
A15-UL	2 1/2 x 24	16.5	2.25	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1
A15-UL	2 1/2 x 36	28.5	6.5	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1
A15-UL	3 x 18	10.5	0.75	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1
A15-UL	3 x 36	28.5	1.75	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1
A15-UL	4 x 24	14	0.75	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1
A15-UL	4 x 48	39.37	5	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1
A15-UL	5 x 24	14.37	0.75	175	18	0.015	25	72 x 8 x 0.025	0.065	1.187	2
A15-UL	5 x 48	38.38	4	175	18	0.015	25	72 x 8 x 0.025	0.065	1.187	2
A15-UL	6 x 24	14.37	0.75	175	19	0.018	25	96 x 12 x 0.02	0.065	1.187	2
A15-UL	6 x 48	38.38	3.5	175	19	0.018	25	96 x 12 x 0.02	0.065	1.187	2
A15-UL	8 x 24	13.37	0.5	175	20	0.02	25	96 x 21 x 0.024	0.065	1.187	2
A15-UL	8 x 36	37.38	3.5	175	20	0.02	25	96 x 21 x 0.024	0.065	1.187	2

End to End Tolerance: minus 1% plus 3%. Minimum Burst is four times the Rated Pressure. Safety factor of 4.
Lateral Offset one side of centerline and normal machinery vibration. If intermittent in both directions, reduce by 50%.

These flexible joint fitting assemblies are UL Listed under File EX27186 and are intended for installation in accordance with the Connectall installation instructions and the applicable requirements.

Connectall Industries ensures for all UL Listed Products:

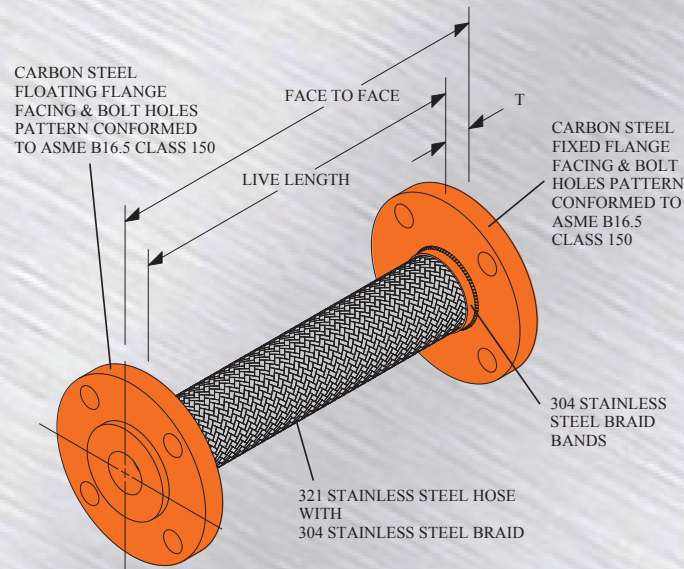
1. All hose dimensions meet our specifications and dimensions as tabulated.
2. Each assembly is pressure tested using Nitrogen Gas for 1 minute at 1 1/2 times the rated working pressure with no leaks.
3. A metal tag is attached which shows the UL Mark and Identification Number, our name, the location, and the Part Number with the approval date (month and year).
4. Two product stickers which show the UL Mark and Identification number are on each shipping crate.

CONNECTALL

1955 boul. Dagenais, Laval (Québec) H7L 5V1

B1J1-UL

SS BRAIDED HOSE WITH CARBON STEEL FIXED & FLOATING FLANGES FOR SPRINKLER AND FIRE PROTECTION SYSTEMS



Conforms to UL and NFPA Approved Temperature Range.

These flexible joint fitting assemblies are UL Listed under File EX27186 and are intended for installation in accordance with the Connectall installation instructions and the applicable requirements.

Connectall Industries ensures for all UL Listed Products:

1. All hose dimensions meet our specifications and dimensions as tabulated.
2. Each assembly is pressure tested using Nitrogen Gas for 1 minute at 1 1/2 times the rated working pressure with no leaks.
3. A metal tag is attached which shows the UL Mark and Identification Number, our name, the location, and the Part Number with the approval date (month and year).
4. Two product stickers which show the UL Mark and Identification number are on each shipping crate.

B1J1-UL DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Pipe Size & Face to Face (in)	Live Length (in)	Maximum Permanent Lateral Offset (in)	Rated Pressure 70 °F (psig)	Static Centerline Bend Radius (in)	Strip Thickness (in)	Corr. Count per Foot	Braid Construction	Collar Thickness (in)	Collar Width (in)	Number of Braid Layer	Flange thickness (in)
B1J1-UL	2 x 12	7	0.75	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1	0.69
B1J1-UL	2 x 18	13	1.75	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1	0.69
B1J1-UL	2 x 24	19	2.5	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1	0.69
B1J1-UL	2 1/2 x 12	6.25	0.25	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1	0.81
B1J1-UL	2 1/2 x 18	12.25	1	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1	0.81
B1J1-UL	2 1/2 x 24	18.25	2	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1	0.81
B1J1-UL	3 x 12	6.25	0.25	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1	0.88
B1J1-UL	3 x 18	12.25	0.875	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1	0.88
B1J1-UL	3 x 24	18.25	1.875	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1	0.88
B1J1-UL	3 x 36	30.25	3.875	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1	0.88
B1J1-UL	4 x 12	5	0.125	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1	0.88
B1J1-UL	4 x 18	11	0.5	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1	0.88
B1J1-UL	4 x 24	17	1.125	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1	0.88
B1J1-UL	4 x 36	29	3.25	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1	0.88
B1J1-UL	5 x 18	12.25	0.375	175	18	0.015	25	72 x 8 x 0.025	0.065	1.187	2	0.88
B1J1-UL	5 x 24	18.25	0.875	175	18	0.015	25	72 x 8 x 0.025	0.065	1.187	2	0.88
B1J1-UL	5 x 36	30.25	2.5	175	18	0.015	25	72 x 8 x 0.025	0.065	1.187	2	0.88
B1J1-UL	6 x 18	10.25	0.312	175	19	0.018	25	96 x 12 x 0.02	0.065	1.187	2	0.94
B1J1-UL	6 x 24	16.25	0.75	175	19	0.018	25	96 x 12 x 0.02	0.065	1.187	2	0.94
B1J1-UL	6 x 36	28.25	2.125	175	19	0.018	25	96 x 12 x 0.02	0.065	1.187	2	0.94
B1J1-UL	8 x 18	9.625	0.25	175	20	0.02	25	96 x 21 x 0.024	0.065	1.187	2	1.06
B1J1-UL	8 x 24	15.625	0.625	175	20	0.02	25	96 x 21 x 0.024	0.065	1.187	2	1.06
B1J1-UL	8 x 36	27.625	1.875	175	20	0.02	25	96 x 21 x 0.024	0.065	1.187	2	1.06

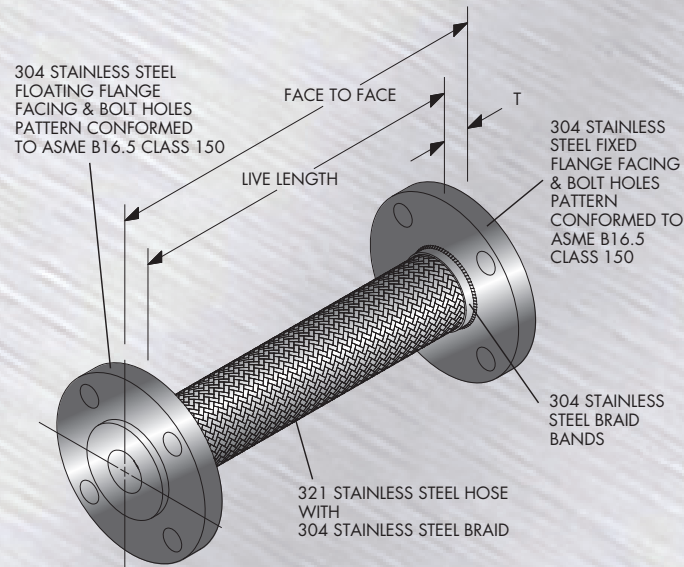
* Lateral Offset one side of centerline and normal machinery vibration. If intermittent in both directions, reduce by 50%.
...Face to Face and Live Length Tolerance: Sizes 2" - 4" (50 - 100mm), ± 1/4" (6mm); Sizes 5" - 8" (125 - 200mm), ± 3/8" (9mm).
.....Minimum Burst is four times the Rated Pressure. Safety factor of 4.

CONNECTALL

1955 boul. Dagenais, Laval (Québec) H7L 5V1

B4J4-UL

SS BRAIDED HOSE WITH STAINLESS STEEL
FIXED & FLOATING FLANGES FOR SPRINKLER
AND FIRE PROTECTION SYSTEMS



Conforms to UL and NFPA Approved Temperature Range.

These flexible joint fitting assemblies are UL Listed under File EX27186 and are intended for installation in accordance with the Connectall installation instructions and the applicable requirements.

Connectall Industries ensures for all UL Listed Products:

1. All hose dimensions meet our specifications and dimensions as tabulated.
2. Each assembly is pressure tested using Nitrogen Gas for 1 minute at 1 1/2 times the rated working pressure with no leaks.
3. A metal tag is attached which shows the UL Mark and Identification Number, our name, the location, and the Part Number with the approval date (month and year).
4. Two product stickers which show the UL Mark and Identification number are on each shipping crate.

B4J4-UL DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Pipe Size & Face to Face (in)	Live Length (in)	Maximum Permanent Lateral Offset (in)	Rated Pressure 70°F (psig)	Static Centerline Bend Radius (in)	Strip Thickness (in)	Corr. Count per Foot	Braid Construction	Collar Thickness (in)	Collar Width (in)	Number of Braid Layer	Flange thickness (in)
B4J4-UL	2 x 12	7	0.75	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1	0.69
B4J4-UL	2 x 18	13	1.75	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1	0.69
B4J4-UL	2 x 24	19	2.5	175	5	0.015	44	48 x 9 x 0.020	0.049	0.75	1	0.69
B4J4-UL	2 1/2 x 12	6.25	0.25	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1	0.81
B4J4-UL	2 1/2 x 18	12.25	1	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1	0.81
B4J4-UL	2 1/2 x 24	18.25	2	175	8	0.015	34	72 x 7 x 0.020	0.065	1	1	0.81
B4J4-UL	3 x 12	6.25	0.25	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1	0.88
B4J4-UL	3 x 18	12.25	0.875	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1	0.88
B4J4-UL	3 x 24	18.25	1.875	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1	0.88
B4J4-UL	3 x 36	30.25	3.875	175	9	0.015	31	72 x 8 x 0.020	0.065	1	1	0.88
B4J4-UL	4 x 12	5	0.125	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1	0.88
B4J4-UL	4 x 18	11	0.5	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1	0.88
B4J4-UL	4 x 24	17	1.125	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1	0.88
B4J4-UL	4 x 36	29	3.25	175	13	0.015	29	72 x 10 x 0.020	0.065	1.187	1	0.88
B4J4-UL	5 x 18	12.25	0.375	175	18	0.015	25	72 x 8 x 0.025	0.065	1.187	2	0.88
B4J4-UL	5 x 24	18.25	0.875	175	18	0.015	25	72 x 8 x 0.025	0.065	1.187	2	0.88
B4J4-UL	5 x 36	30.25	2.5	175	18	0.015	25	72 x 8 x 0.025	0.065	1.187	2	0.88
B4J4-UL	6 x 18	10.25	0.312	175	19	0.018	25	96 x 12 x 0.02	0.065	1.187	2	0.94
B4J4-UL	6 x 24	16.25	0.75	175	19	0.018	25	96 x 12 x 0.02	0.065	1.187	2	0.94
B4J4-UL	6 x 36	28.25	2.125	175	19	0.018	25	96 x 12 x 0.02	0.065	1.187	2	0.94
B4J4-UL	8 x 18	9.625	0.25	175	20	0.02	25	96 x 21 x 0.024	0.065	1.187	2	1.06
B4J4-UL	8 x 24	15.625	0.625	175	20	0.02	25	96 x 21 x 0.024	0.065	1.187	2	1.06
B4J4-UL	8 x 36	27.625	1.875	175	20	0.02	25	96 x 21 x 0.024	0.065	1.187	2	1.06

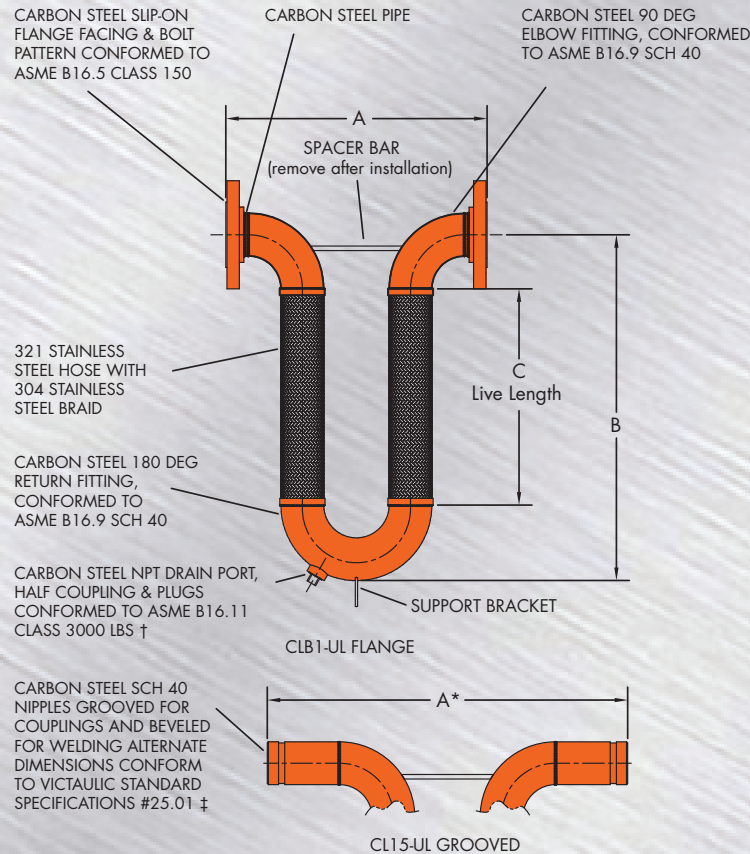
* Lateral Offset one side of centerline and normal machinery vibration. If intermittent in both directions, reduce by 50%.
...Face to Face and Live Length Tolerance: Sizes 2" - 4" (50 - 100mm), $\pm 1/4"$ (6mm); Sizes 5" - 8" (125 - 200mm), $\pm 3/8"$ (9mm).
.....Minimum Burst is four times the Rated Pressure. Safety factor of 4.

CONNECTALL

1955 boul. Dagenais, Laval (Québec) H7L 5V1

CLB1-UL/CL15-UL

SS BRAIDED HOSE WITH CARBON STEEL FLANGES OR NIPPLES FOR SPRINKLER AND FIRE PROTECTION SYSTEMS



Conforms to UL and NFPA Approved Temperature Range.

These flexible joint fitting assemblies are UL Listed under File EX27186 and are intended for installation in accordance with the Connectall installation instructions and the applicable requirements.

Connectall Industries ensures for all UL Listed Products:

1. All hose dimensions meet our specifications and dimensions as tabulated.
2. Each assembly is pressure tested using Nitrogen Gas for 1 minute at 1 1/2 times the rated working pressure with no leaks.
3. A metal tag is attached which shows the UL Mark and Identification Number, our name, the location, and the Part Number with the approval date (month and year).
4. Two product stickers which show the UL Mark and Identification number are on each shipping crate.

CARBON STEEL SUPPORT

	Pipe Size		Hole Diameter		Thickness	
	(in)	(mm)	(in)	(mm)	(in)	(mm)
	2	50	5/8	16	1/8	3
	2 1/2	65	5/8	16	1/8	3
	3	80	3/4	19	1/8	3
	4	100	3/4	19	1/8	3
	5	125	3/4	19	1/4	6
	6	150	7/8	22	3/8	9
	8	200	7/8	22	1/2	13

CL15-UL / CLB1-UL DIMENSIONS AND PRESSURE RATINGS (American Units)

Type	Size	Model CL15 A* Pipe End to End (in)	Model CLB1 A Flange End to End (in)	B	C Live Length (in)	Axis movement (in)	Rated pressure @ 70F (psig)	Strip thickness (in)	Corr Count per Foot	Braid Construction	Collar Thickness (in)	Collar Width (in)	Number of Braid Layer
CLB1-UL/CL15-UL	2	19	14.5	25	16.25	± 4	175	0.015	44	48 x 9 x 0.020	0.049	0.75	1
CLB1-UL/CL15-UL	2 1/2	20.5	16	28	17	± 4	175	0.015	34	72 x 7 x 0.020	0.065	1	1
CLB1-UL/CL15-UL	3	23	18.5	30	17.25	± 4	175	0.015	31	72 x 8 x 0.020	0.065	1	1
CLB1-UL/CL15-UL	4	30	24.5	35	18.375	± 4	175	0.015	29	72 x 10 x 0.020	0.065	1.187	1
CLB1-UL/CL15-UL	5	36	30.5	40	20	± 4	175	0.015	25	72 x 8 x 0.025	0.065	1.187	2
CLB1-UL/CL15-UL	6	42.5	36.5	46	22.437	± 4	175	0.018	25	96 x 12 x 0.020	0.065	1.187	2
CLB1-UL/CL15-UL	8	56.5	48.5	58	27.437	± 4	175	0.020	25	96 x 21 x 0.024	0.065	1.187	2

* Lateral Offset one side of centerline and normal machinery vibration. If intermittent in both directions, reduce by 50%.

† Face to Face and Live Length Tolerance: Sizes 2" - 4" (50 - 100mm), ± 1/4" (6mm); Sizes 5" - 8" (125 - 200mm), ± 3/8" (9mm).

‡ Minimum Burst is four times the Rated Pressure. Safety factor of 4.

‡ Also available for 6 or 8 inches of movement.

CONNECTALL

1955 boul. Dagenais, Laval (Québec) H7L 5V1

IMPORTANT RULES:

BEFORE INSTALLATION, RULES MUST BE READ AND RESPECTED

Installation should be done by respecting these rules and also with standard and also with standard piping practices recommended by API and PEI. Installation must be done by qualified persons if not and any deviation of those rules may possibly occur the product to leak or be damaged.

* If you have any questions about these recommendations or about the API OR PEI, Stop and contact Connectall before proceeding.

Storage:

- Store the product where it will not be exposed to humidity, excessive heat, corrosives and rough handling (drops, impacts, crushing, dragging, etc...).
- These conditions could result in a damaged product and leaks during use.

Inspect the hose before installation:

- The hose should be free of any visual defect such as: impact damage, loose braid, discoloration, damage to threads etc...
- These conditions could result in a damaged product and leaks during use.
- Do not use if hose observe these defects.

Twisted or compressed hose:

- Do not Twist or Compress the hose during service or installation.
- Torque or compression will occur premature failure of the product.

Tightening the hose:

- Do not put any kind of tools on the braided part of the hose.
- Use appropriate tools on the hex part of the fitting.
- Do not exceed more than 3 turns past hand tight while tightening the hose.

Hose overbend:

- Make sure to have the correct length to meet the minimum bend radius as shown in the table below.

CONNECTALL FLEXIBLE METAL HOSES 175PSI Maximum Working Pressure		
HOSE DIAMETER	MINIMUM BEND RADIUS	MIN. LENGTH FOR 90° BEND
0.50"	1.50"	12"
.75"	2.25"	14"
1.00"	2.75"	16"
1.25"	3.50"	18"
1.50"	4.00"	22"
2.00"	5.00"	24"
2.50"	8.00"	26"
3.00"	9.00"	28"
4.00"	13.00"	52"
5.00"	18.00"	90"
6.00"	19.00"	114"
8.00"	20.00"	160"

Preventive Maintenance:

Depending on the condition of the installation there is no predictable service life of a connector. The connector should be periodically inspected (6 month) to look for leak, damage, loose braid, discoloration, contact with corrosive or other components. Bring the necessary work to avoid those situation if they occur (replace the connector).

Corrosive condition:

The connector should be installed in a corrosives free environment without touching any equipment. Outdoor use may contain corrosives such as, road salt, soil, groundwater, etc... Use a cover or a boot to if needed to protect the connector

Single use connector, it is not recommended to reuse a connector once it has been installed.

ASSEMBLY INSTALLATION: DO... DON'TS...

DO...

- Follow any printed instructions included with the flexible connector.
- Follow industry-recommended practices and use care in handling and installing flexible connectors.
- Install flexible connectors so that the bend is as close to the center of the connector as possible.
- Observe the minimum bend radius as specified by the connector manufacturer.
- "Premade" threaded connections by hand, unmake and then permanent.
- Use a flexible connector of proper length to suit the installation.
- Only wrench on the fitting hex flats as provided.
- Design the installation to allow for ground movement after installation, such as setting of frost heave.
- Install the proper length connector to allow 2" straight run of hoses at each end fitting.
- Use pipe wrenches on both mating hexes to avoid twisting the hose.

DON'TS

- Use wrench on the braided portion and collar.
- Twist hose assemblies during installation or when aligning the bolt holes in a flange or when making up pipe threads.
- "Pre-Flex" a flexible connector to limber it up. Over-bending could cause damage and result in leakage.
- Over-bend a flexible connector. A 45°-90° bend should be sufficient to install any flexible connector.
- Install a flexible connector with the bend next to the end fittings. This could cause damage and result in leakage.
- Lay the flexible connector on rocks or objects which could puncture the hose and cause leakage.
- Attempt to stretch or compress a flexible connector to fit an installation.
- Restrict flexibility by allowing connector to come into contact with other components or equipment during installation.
- Keep hose free from all objects and debris.
- Handle and store connectors carefully prior to installation.
- Check for leaks before covering the installation.
- Install in such a manner that the connector can be removed.
- Make sure pressure rating of connector is not exceeded.

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