VIBRO-ACOUSTICS®
A Swegon Group company

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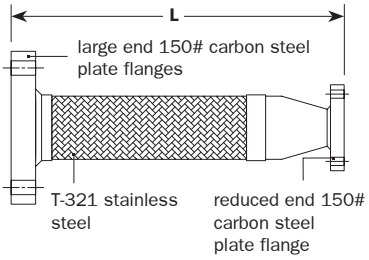
FCSS Stainless Steel Flexible Connectors (Reducers)

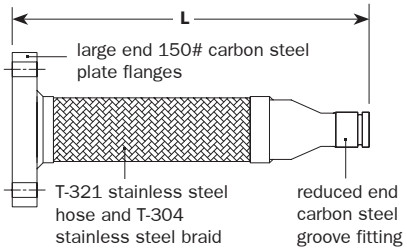
FCSS-FLFL FCSS-GRFL FCSS-GRGR FCSS-FLSM FCSS-FLGR FCSS-SMFL

File No.: FCSS-R-001 Date: 30 Oct 2014
Supersedes: New Date: New

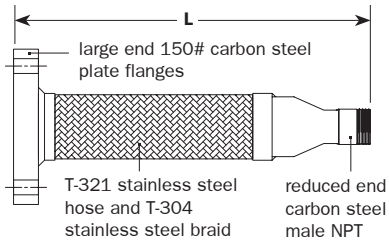
FLFL



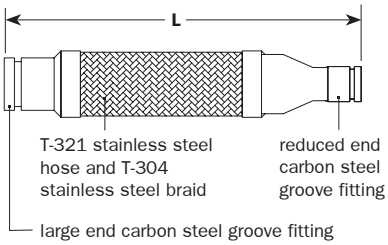
FLGR



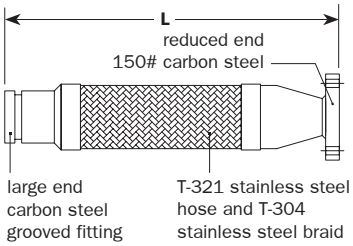
FLSM



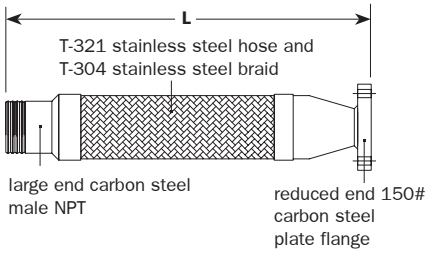
GRGR



GRFL



SMFL



PERFORMANCE AND DIMENSIONS

Model	Large End & Hose Size		Reduced End Size		"L" Overall Length					Lateral Offset		Working Pressure @ 70°F	
					FLFL	GRGR	FLGR	GRFL	FLSM SMFL			FLFL only	all others
	in	mm	in	mm	in	in	in	in	in	in	mm	psi	psi
FCSS-1210	12	300	10	250	20	26 1/2	23 3/4	23	-	3/16	4.8	160	155
FCSS-1008	10	250	8	200	18	24 3/4	21 3/4	21	-	3/16	4.8	175	165
FCSS-1006	10	250	6	150	18	23 3/4	20 3/4	21	-	3/16	4.8	175	165
FCSS-0806	8	80	6	150	18	23 3/4	20 3/4	21	20 3/4	1/4	6.4	212	217
FCSS-0805	8	100	5	125	18	23 3/4	20 3/4	21	20 3/4	1/4	6.4	212	217
FCSS-0804	8	125	4	100	18	23 3/4	20 3/4	21	20 3/4	1/4	6.4	212	240
FCSS-0605	6	150	5	125	17	22	19 3/4	19 1/4	19 3/4	3/8	9.5	175	240
FCSS-0604	6	150	4	100	17	22	19 3/4	19 1/4	19 3/4	3/8	9.5	175	240
FCSS-0603	6	150	3	80	17	22	19 3/4	19 1/4	19 3/4	3/8	9.5	175	210
FCSS-0504	5	125	4	100	16	21	18 3/4	18 1/4	18 3/4	3/8	9.5	200	210
FCSS-0503	5	125	3	80	16	21	18 3/4	18 1/4	18 3/4	3/8	9.5	200	210
FCSS-0525	5	125	2 1/2	65	16	21	18 3/4	18 1/4	18 3/4	3/8	9.5	200	210
FCSS-0403	4	100	3	80	13	18	15 13/16	15 1/2	15 13/16	3/8	9.5	250	285
FCSS-0425	4	100	2 1/2	65	13	18	15 13/16	15 1/2	15 13/16	3/8	9.5	250	285
FCSS-0402	4	100	2	50	13	18	15 13/16	15 1/2	15 13/16	3/8	9.5	250	285
FCSS-0325	3	80	2 1/2	65	13	18	15 3/4	15 1/2	15 3/4	3/8	9.5	288	450
FCSS-0302	3	80	2	50	13	18	15 3/4	15 1/2	15 3/4	3/8	9.5	288	450
FCSS-0315	3	80	1 1/2	40	13	-	-	-	15 3/4	3/8	9.5	288	450
FCSS-2502	2 1/2	65	2	50	13	18	15 3/4	15 1/2	15 3/4	3/8	9.5	400	570
FCSS-2515	2 1/2	65	1 1/2	40	13	18	15 3/4	15 1/2	15 3/4	3/8	9.5	400	570
FCSS-2512	2 1/2	65	1 1/4	32	-	-	-	-	15 3/4	3/8	9.5	-	570
FCSS-0215	2	50	1 1/2	40	-	-	15 3/4	15 1/2	15 3/4	3/8	9.5	-	450
FCSS-0212	2	50	1 1/4	32	-	-	15 3/4	15 1/2	15 3/4	3/8	9.5	-	450

TEMPERATURE DERATING FACTORS

Temperature °F	Multiplier
150	-
200	0.94
250	0.92
300	0.88
350	0.86
400	0.83
500	0.78
600	0.74
700	0.70

NOTES

- Standard End Fittings:
  FL: Carbon Steel Plate Flanges 150# Drill
  SM: Sch. 40 Carbon Steel Male NPT Ends
  SW: Copper Female Sweat Ends
  GR: Sch. 40 Carbon Steel Groove Fittings
- Contact Vibro-Acoustics for other size, and custom style requirements
- Flexible connectors with higher pressure ratings can be custom built with additional braid layers.
- See "Temperature Derating Factors Chart" for pressure derating multipliers by temperature. Apply multiplier to the working pressure to calculate the operating pressure at the corresponding temperature. i.e. working pressure for FCSS-0504-GRGR at 200°F is 0.94 × 210 psi = 197.4 psi

Project:	Model: QTY of sets required:
Customer:	DWN: CHK: REV: DATE:
Consultant:	TAG: UNIT:
V-A Project No.:	COMMENTS:
V-A Project Manager:	