



DESIGN SPECIFICATIONS

- TWIN SPHERE BODIES CONSTRUCTED FROM NEOPRENE COVER AND TUBE ELASTOMER WITH NYLON FABRIC REINFORCEMENT.
- END CONNECTORS FURNISHED WITH GALVANIZED DUCTILE IRON FEMALE UNIONS WITH ENDS THREADED NPT TO ASME/ANSI B1-20.1.
- UNION END FITTINGS CONSTRUCTED FROM BRONZE, 304 AND 316 STAINLESS STEEL MATERIALS ARE AVAILABLE ON SPECIAL ORDER.

PRESSURE LIMITS (NON-SHOCK)

MAXIMUM OPERATING		MINIMUM	
POSITIVE PSIG	NEGATIVE IN OF HG	TEST PSIG	BURST PSIG
150	26	225	600

UPPER TEMPERATURE LIMITS

MATERIAL	UPPER LIMITS °F (°C)
NEOPRENE	225 (107)

LOWER TEMPERATURE LIMITS

MATERIAL	LOWER LIMITS °F (°C)
NEOPRENE	-20 (-28.9)

IFC SERIES CTNT RUBBER CONNECTOR DIMENSIONAL DATA

SIZE	A - INSTALLED LENGTH				TOTAL TRAVEL		ALLOWABLE MOVEMENT FROM NEUTRAL			DIMENSIONS						WEIGHT
	Neutral Length	Minimal Installed	Maximum Installed	Recommended Pipe Opening	Total Compressed	Total Extended	Axial Compression	Axial Extension	+/- Lateral Deflection	+/- Angular Deflection	"B" Length of Fitting	"C" Length of Rubber	"D" Connector Inner Diameter	"E" Width of Fitting Hex Head	"F" Width of Union Hex Head	
in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	in/mm	degree	in/mm	in/mm	in/mm	in/mm	in/mm	Lbs/Kg
1/2	8.38	7.72	8.48	7.31	7.50	8.61	0.87	0.23	0.87	37.50	0.94	6.50	0.50	1.00	1.63	1.00
15	213	196	215	186	191	219	22	6	22		24	165	13	25	41	0.45
3/4	8.00	7.34	8.11	6.88	7.13	8.23	0.87	0.23	0.87	32.20	1.00	6.00	0.63	1.25	2.00	1.00
20	203	186	206	175	181	209	22	6	22		25	152	16	32	51	0.45
1	8.00	7.34	8.11	6.63	7.13	8.23	0.87	0.23	0.87	25.30	1.19	5.63	0.88	1.63	2.50	2.00
25	203	186	206	168	181	209	22	6	22		30	143	22	41	64	0.91
1-1/4	8.00	7.34	8.11	6.63	7.13	8.23	0.87	0.23	0.87	20.70	1.25	5.50	1.19	2.00	2.88	3.00
32	203	186	206	168	181	209	22	6	22		32	140	30	51	73	1.36
1-1/2	8.00	7.34	8.11	6.63	7.13	8.23	0.87	0.23	0.87	17.50	1.44	5.13	1.41	2.25	3.25	4.00
40	203	186	206	168	181	209	22	6	22		37	130	36	57	83	1.82
2	8.00	7.34	8.11	6.63	7.13	8.23	0.87	0.23	0.87	13.30	1.63	4.75	1.75	2.75	3.75	6.00
50	203	186	206	168	181	209	22	6	22		41	121	44	70	95	2.72

WARNING

Expansion joints may operate in pipelines or equipment carrying fluids and or gases at elevated temperatures and pressures. Normal precautions should be taken to make sure these parts are installed correctly and inspected regularly. Precautions should be taken to protect personnel in the event of leakage or splash.

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