

UFBX™ (T316L SS)

Construction:

T316L stainless steel hose
Series 300 stainless steel braid
 Direct braided 1/4" through 2" on **reels**
 Annular construction

Maximum Working Pressure:

UFBX from Full Vacuum to 3190 psig
 depending on size and braid configuration

Temperature:

Cryogenic to 1250°F

UFBX0 – Unbraided

UFBX1 – One Braid

UFBX2 – Two Braid

Sizes:

UFBX in 1/4" to 2" diameters are designed and certified to ISO 10380 Specifications.

NOMINAL HOSE I.D.	HOSE TYPE	HOSE O.D.	WEIGHT PER FT.	MIN.LIVE LENGTH FOR VIBRATION	MINIMUM BEND RADIUS STATIC BEND	MINIMUM BEND RADIUS DYNAMIC FLEXING	MAXIMUM WORKING PRESSURE	MAXIMUM TEST PRESSURE	NORMAL BURST PRESSURE
1/4"	UFBX0	0.40	0.06	3.00	0.630	4.000	145	218	—
	UFBX1	0.45	0.11	3.00	1.000	4.000	2420	3630	9680
	UFBX2	0.50	0.16	3.00	1.000	4.000	3190	4785	12760
3/8"	UFBX0	0.59	0.11	4.25	0.870	6.000	80	120	—
	UFBX1	0.64	0.183	4.25	1.500	6.000	1450	2175	5800
	UFBX2	0.69	0.256	4.25	1.500	6.000	2580	3870	10320
1/2"	UFBX0	0.75	0.13	4.25	0.950	6.500	80	120	—
	UFBX1	0.81	0.24	4.25	1.750	6.500	1375	2063	5500
	UFBX2	0.87	0.35	4.25	1.750	6.500	2230	3345	8920
3/4"	UFBX0	1.00	0.24	4.50	1.200	7.900	60	90	—
	UFBX1	1.07	0.91	4.50	2.750	8.000	1040	1560	4160
	UFBX2	1.14	0.58	4.50	2.750	8.000	1900	2850	7600
1"	UFBX0	1.29	0.35	5.50	1.700	8.000	60	90	—
	UFBX1	1.39	0.61	5.50	3.500	8.000	940	1410	3760
	UFBX2	1.49	0.87	5.50	3.500	8.000	1480	2220	5920
1 1/4"	UFBX0	1.60	0.43	6.00	2.200	10.000	50	75	—
	UFBX1	1.69	0.73	6.00	4.250	10.000	667	1000	2668
	UFBX2	1.78	1.03	6.00	4.250	10.000	1230	1845	4920
1 1/2"	UFBX0	1.87	0.60	6.25	2.750	10.000	35	53	—
	UFBX1	1.96	1.09	6.25	5.000	10.000	580	870	2320
	UFBX2	2.05	1.58	6.25	5.000	10.000	1045	1568	4180
2"	UFBX0	2.43	0.77	7.50	3.500	14.000	15	23	—
	UFBX1	2.53	1.25	7.50	7.000	14.000	478	717	1912
	UFBX2	2.63	1.75	7.50	7.000	14.000	870	1305	3480
2 1/2"	UFBX0	3.11	1.24	11.00	7.000	16.000	6	9	—
	UFBX1	3.21	3.01	11.00	7.000	16.000	500	750	2000
	UFBX2	3.30	2.78	11.00	7.000	16.000	670	1005	2680
3"	UFBX0	3.57	1.35	11.00	8.250	19.000	4	6	—
	UFBX1	3.69	2.78	11.00	8.250	19.000	375	560	1500
	UFBX2	3.76	4.21	11.00	8.250	19.000	550	825	2200
3 1/2"	UFBX0	4.14	1.69	11.50	9.750	20.500	3	4	—
	UFBX1	4.26	2.54	11.50	9.750	20.500	340	510	1360
	UFBX2	4.48	3.40	11.50	9.750	20.500	620	930	2480
4"	UFBX0	4.72	2.06	12.00	11.000	22.000	2	3	—
	UFBX1	4.82	3.00	12.00	11.000	22.000	260	390	1050
	UFBX2	4.91	3.94	12.00	11.000	22.000	465	695	1860
5"	UFBX0	5.86	2.68	13.00	13.500	28.000	3	4	—
	UFBX1	5.96	3.98	13.00	13.500	28.000	340	510	1360
	UFBX2	6.06	5.28	13.00	13.500	28.000	435	650	1740
6"	UFBX0	7.00	4.44	14.00	16.000	34.000	3	4.5	—
	UFBX1	7.10	6.14	14.00	16.000	34.000	210	315	850
	UFBX2	7.19	7.87	14.00	16.000	34.000	310	465	1240
8"	UFBX0	9.06	5.70	16.00	20.000	42.000	2	3	—
	UFBX1	9.16	9.02	16.00	20.000	42.000	220	330	875
	UFBX2	9.26	12.34	16.00	20.000	42.000	340	510	1360
10"	UFBX0	11.19	5.93	24.00	34.000	69.000	2	3	—
	UFBX1	11.29	10.30	24.00	34.000	69.000	185	275	740
	UFBX2	11.39	14.67	24.00	34.000	69.000	330	495	1320
12"	UFBX0	13.25	7.08	27.00	37.000	74.000	2	3	—
	UFBX1	13.35	13.62	27.00	37.000	74.000	175	260	700
	UFBX2	13.45	20.16	27.00	37.000	74.000	315	470	1260

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From Full Vacuum to 220 bar
 depending on size and braid configuration

Temperature:

From Cryogenic to 677°C

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UFBX2 – Two Braid

Sizes:

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NOMINAL HOSE I.D.	HOSE TYPE	HOSE O.D. mm	WEIGHT kg/m	MIN.LIVE LENGTH FOR VIBRATION mm	MINIMUM BEND RADIUS		MAXIMUM WORKING PRESSURE bar	MAXIMUM TEST PRESSURE bar	NORMAL BURST PRESSURE bar
					STATIC BEND mm	DYNAMIC FLEXING mm			
1/4"	UFBX0	10.2	0.07	76	16	109	10.0	15.0	—
	UFBX1	11.4	0.16	76	25	109	166.9	250.3	667.4
	UFBX2	12.7	0.24	76	25	109	219.9	329.9	879.8
3/8"	UFBX0	15.0	0.16	89	22	152	5.5	8.3	—
	UFBX1	16.3	0.27	89	38	152	100.0	150.0	399.9
	UFBX2	17.5	0.37	89	38	152	177.9	266.8	711.5
1/2"	UFBX0	19.1	0.19	108	24	165	5.5	8.3	—
	UFBX1	20.6	0.36	108	44	165	94.8	142.2	379.2
	UFBX2	22.1	0.52	108	44	165	153.8	230.6	615.0
3/4"	UFBX0	25.4	0.36	114	30	201	4.1	6.2	—
	UFBX1	27.2	1.35	114	70	203	71.7	107.6	286.8
	UFBX2	29.0	0.86	114	70	203	131.0	196.5	524.0
1"	UFBX0	32.8	0.52	140	43	203	4.1	6.2	—
	UFBX1	35.3	0.91	140	89	203	64.8	97.2	259.2
	UFBX2	37.8	1.29	140	89	203	102.0	153.1	408.2
1 1/4"	UFBX0	40.6	0.64	152	56	254	3.4	5.2	—
	UFBX1	42.9	1.09	152	114	254	46	68.9	184.0
	UFBX2	45.2	1.53	152	114	254	84.8	127.2	339.2
1 1/2"	UFBX0	47.5	0.89	159	70	254	2.4	3.7	—
	UFBX1	49.8	1.62	159	127	254	40.0	60.0	160.0
	UFBX2	52.1	2.35	159	127	254	72.1	108.1	288.2
2"	UFBX0	61.7	1.15	191	89	356	1.0	1.6	—
	UFBX1	64.3	1.86	191	178	356	33.0	49.4	131.8
	UFBX2	66.8	2.60	191	178	356	60.0	90.0	239.9
2 1/2"	UFBX0	76.5	1.93	191	114	406	1.0	1.6	—
	UFBX1	78.5	2.83	191	201	406	26.0	39.0	104.0
	UFBX2	80.8	3.72	191	201	406	46.0	69.0	184.0
3"	UFBX0	90.7	2.01	279	210	483	0.3	0.4	—
	UFBX1	93.7	4.14	279	210	483	25.9	38.6	103.4
	UFBX2	95.5	6.27	279	210	483	37.9	56.9	151.7
3 1/2"	UFBX0	105.2	2.51	292	248	521	0.2	0.3	—
	UFBX1	108.2	3.78	292	248	521	23.4	35.2	93.8
	UFBX2	113.8	5.06	292	248	521	42.7	64.1	171.0
4"	UFBX0	119.9	3.07	305	279	559	0.1	0.2	—
	UFBX1	122.4	4.46	305	279	559	17.9	26.9	72.4
	UFBX2	124.7	5.86	305	279	559	32.1	47.9	128.2
5"	UFBX0	148.8	3.99	330	343	711	0.2	0.3	—
	UFBX1	151.4	5.92	330	343	711	23.4	35.2	93.8
	UFBX2	153.9	7.86	330	343	711	30.0	44.8	120.0
6"	UFBX0	177.8	6.61	356	406	864	0.2	0.3	—
	UFBX1	180.3	9.14	356	406	864	14.5	21.7	58.6
	UFBX2	182.6	11.58	356	406	864	21.4	32.1	85.5
8"	UFBX0	230.1	8.48	406	508	1067	0.1	0.2	—
	UFBX1	232.7	13.42	406	508	1067	15.2	22.8	60.3
	UFBX2	235.2	18.36	406	508	1067	23.4	35.2	93.8
10"	UFBX0	284.2	8.82	610	864	1753	0.1	0.2	—
	UFBX1	286.8	15.33	610	864	1753	12.8	19.0	51.0
	UFBX2	289.3	21.83	610	864	1753	22.8	34.1	91.0
12"	UFBX0	336.6	10.54	686	940	1880	0.1	0.2	—
	UFBX1	339.1	20.27	686	940	1880	12.1	17.9	48.3
	UFBX2	341.6	30.00	686	940	1880	21.7	32.4	86.9