

**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		MAXIMUM WORKING PRESSURE	MAXIMUM TEST PRESSURE	NORMAL BURST PRESSURE
					STATIC BEND	DYNAMIC FLEXING			
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

## UFBX™ (T321 SS)

### Construction:

**T321** 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	0.05	3.00	0.630	4.300	145	218	—
	UFBX1	0.45	0.11	3.00	1.000	4.300	2420	3630	9680
	UFBX2	0.50	0.16	3.00	1.000	4.300	3190	4785	12760
3/8"	UFBX0	0.59	0.11	3.50	0.870	6.000	80	120	—
	UFBX1	0.64	0.18	3.50	1.500	6.000	1450	2175	5800
	UFBX2	0.69	0.25	3.50	1.500	6.000	2580	3870	10320
1/2"	UFBX0	0.77	0.11	4.25	0.940	6.500	80	120	—
	UFBX1	0.83	0.22	4.25	1.750	6.500	1075	1615	4300
	UFBX2	0.88	0.33	4.25	1.750	6.500	1500	2250	6000
3/4"	UFBX0	1.02	0.18	4.50	1.200	8.000	60	90	—
	UFBX1	1.08	0.35	4.50	2.750	8.000	950	1425	3800
	UFBX2	1.14	0.52	4.50	2.750	8.000	1250	1875	5000
1"	UFBX0	1.33	0.21	5.50	1.700	8.000	60	90	—
	UFBX1	1.41	0.47	5.50	3.500	8.000	725	1087	2900
	UFBX2	1.49	0.73	5.50	3.500	8.000	1110	1650	4470
1 1/4"	UFBX0	1.62	0.27	6.00	2.200	10.000	50	75	—
	UFBX1	1.70	0.57	6.00	4.500	10.000	563	845	2252
	UFBX2	1.78	0.87	6.00	4.500	10.000	825	1237	3300
1 1/2"	UFBX0	1.88	0.45	6.25	2.700	10.000	35	53	—
	UFBX1	1.95	0.94	6.25	5.000	10.000	500	750	2000
	UFBX2	2.05	1.43	6.25	5.000	10.000	800	1200	3200
2"	UFBX0	2.45	0.55	7.50	3.500	14.000	15	23	—
	UFBX1	2.53	1.00	7.50	7.630	14.000	478	717	1912
	UFBX2	2.61	1.50	7.50	7.630	14.000	638	957	2552
2 1/2"	UFBX0	3.11	1.00	11.00	7.000	16.000	6	9	—
	UFBX1	3.21	1.77	11.00	7.000	16.000	450	675	1800
	UFBX2	3.30	2.54	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	1.83	11.00	8.250	19.000	445	670	1780
	UFBX2	3.76	2.57	11.00	8.250	19.000	560	850	2240
3 1/2"	UFBX0	4.14	1.69	11.50	9.750	20.500	3	4	—
	UFBX1	4.26	1.91	11.50	9.750	20.500	265	400	1060
4"	UFBX0	4.72	1.66	12.00	11.000	22.000	2	3	—
	UFBX1	4.82	2.59	12.00	11.000	22.000	285	425	1140
	UFBX2	4.91	3.52	12.00	11.000	22.000	375	565	1500
5"	UFBX0	5.86	2.27	13.00	13.500	28.000	2.8	4	—
	UFBX1	5.96	3.57	13.00	13.500	28.000	265	500	1060
6"	UFBX0	7.00	3.53	14.00	16.000	34.000	3	4.5	—
	UFBX1	7.10	5.22	14.00	16.000	34.000	195	290	780
	UFBX2	7.19	6.91	14.00	16.000	34.000	195	290	780
8"	UFBX0	9.06	4.59	16.00	20.000	42.000	2	3	—
	UFBX1	9.16	7.91	16.00	20.000	42.000	220	325	870
	UFBX2	9.26	11.23	16.00	20.000	42.000	270	405	1080
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	210	315	840
	UFBX2	11.39	14.67	24.00	34.000	69.000	375	565	1500
12"	UFBX0	13.25	7.08	27.00	37.000	74.000	1.8	2.8	—
	UFBX1	13.35	13.62	27.00	37.000	74.000	200	300	800
	UFBX2	13.45	20.16	27.00	37.000	74.000	360	540	1440