

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:

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

Temperature:

From Cryogenic to 677°C

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. 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 |

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:

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

Temperature:

From Cryogenic to 816°C

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. 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 | 19.6 | 0.16 | 108 | 24 | 165 | 5.5 | 8.3 | - |
| | UFBX1 | 21.1 | 0.33 | 108 | 44 | 165 | 74.1 | 111.4 | 296.5 |
| | UFBX2 | 22.4 | 0.49 | 108 | 44 | 165 | 103.4 | 155.1 | 413.7 |
| 3/4" | UFBX0 | 25.9 | 0.27 | 114 | 30 | 203 | 4.1 | 6.2 | - |
| | UFBX1 | 27.4 | 0.52 | 114 | 70 | 203 | 65.5 | 98.3 | 262.0 |
| | UFBX2 | 29.0 | 0.77 | 114 | 70 | 203 | 86.2 | 129.3 | 344.7 |
| 1" | UFBX0 | 33.8 | 0.31 | 140 | 43 | 203 | 4.1 | 6.2 | - |
| | UFBX1 | 35.8 | 0.70 | 140 | 89 | 203 | 50.0 | 74.9 | 199.9 |
| | UFBX2 | 37.8 | 1.09 | 140 | 89 | 203 | 76.5 | 113.8 | 308.2 |
| 1 1/4" | UFBX0 | 41.1 | 0.40 | 152 | 56 | 254 | 3.4 | 5.2 | - |
| | UFBX1 | 43.2 | 0.85 | 152 | 114 | 254 | 38.8 | 58.3 | 155.3 |
| | UFBX2 | 45.2 | 1.29 | 152 | 114 | 254 | 56.9 | 85.3 | 227.5 |
| 1 1/2" | UFBX0 | 47.8 | 0.67 | 159 | 69 | 254 | 2.4 | 3.7 | - |
| | UFBX1 | 49.5 | 1.40 | 159 | 127 | 254 | 34.5 | 51.7 | 137.9 |
| | UFBX2 | 52.1 | 2.13 | 159 | 127 | 254 | 55.2 | 82.7 | 220.6 |
| 2" | UFBX0 | 62.2 | 0.82 | 191 | 89 | 356 | 1.0 | 1.6 | - |
| | UFBX1 | 64.3 | 1.49 | 191 | 194 | 356 | 33 | 49.4 | 131.8 |
| | UFBX2 | 66.3 | 2.23 | 191 | 194 | 356 | 44 | 66.0 | 176.0 |
| 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 | 2.72 | 279 | 210 | 483 | 25.9 | 38.6 | 103.4 |
| | UFBX2 | 95.5 | 3.82 | 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 | 2.84 | 292 | 248 | 521 | 23.4 | 35.2 | 93.8 |
| 4" | UFBX0 | 119.9 | 2.47 | 305 | 279 | 559 | 0.1 | 0.2 | - |
| | UFBX1 | 122.4 | 3.85 | 305 | 279 | 559 | 17.9 | 26.9 | 72.4 |
| | UFBX2 | 124.7 | 5.24 | 305 | 279 | 559 | 32.1 | 47.9 | 128.2 |
| 5" | UFBX0 | 148.8 | 3.38 | 330 | 343 | 711 | 0.2 | 0.3 | - |
| | UFBX1 | 151.4 | 5.31 | 330 | 343 | 711 | 20.0 | 30.0 | 80.0 |
| | UFBX2 | 153.9 | 7.25 | 330 | 343 | 711 | 21.2 | 31.9 | 84.9 |
| 6" | UFBX0 | 177.8 | 5.25 | 356 | 406 | 864 | 0.2 | 0.3 | - |
| | UFBX1 | 180.3 | 7.77 | 356 | 406 | 864 | 14.5 | 21.7 | 58.6 |
| | UFBX2 | 182.6 | 10.28 | 356 | 406 | 864 | 21.4 | 32.1 | 85.5 |
| 8" | UFBX0 | 230.1 | 6.83 | 406 | 508 | 1067 | 0.1 | 0.2 | - |
| | UFBX1 | 232.7 | 11.77 | 406 | 508 | 1067 | 15.2 | 22.8 | 60.3 |
| | UFBX2 | 235.2 | 16.71 | 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 |