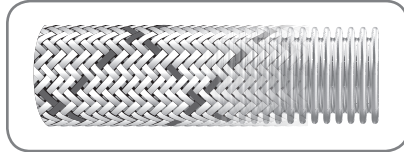


## Ultraflex



### Hose Material

321 and 316L stainless steel

### Braid Material

304L stainless steel

### Basic Construction:

Hydro-formed annular hose. Close pitch, dissymmetric omega design.

### Characteristics:

Extremely flexible—ISO 10380 conformance and 50,000 cycle rated and pressure rated as per ISO 10380.

### Part Numbers:

- UF20 = Unbraided 321 Hose
- UF21 = Single Braided 321 Hose / 304L Braid
- UF30 = Unbraided 316L Hose
- UF31 = Single Braided 316L Hose / 304L Braid

| Nominal I.D. (In) | Number of Braids | Nominal O.D. (In) | Maximum Pressure @ 70°F (PSIG) |                   |               | Centerline Bend Radius (In) |                     | Weight Per Foot (Lbs) |
|-------------------|------------------|-------------------|--------------------------------|-------------------|---------------|-----------------------------|---------------------|-----------------------|
|                   |                  |                   | W.P. <sup>1</sup>              | Test <sup>2</sup> | Nominal Burst | Dynamic <sup>3</sup>        | Static <sup>4</sup> |                       |
| 1/4               | 0                | 0.39              | 261                            | 392               | ---           | ---                         | 0.35                | 0.04                  |
|                   | 1                | 0.45              | 2,030                          | 3,045             | 11,165        | 5.50                        | 0.75                | 0.12                  |
| 3/8               | 0                | 0.63              | 87                             | 131               | 348           | ---                         | 0.55                | 0.09                  |
|                   | 1                | 0.70              | 1,450                          | 2,175             | 8,004         | 6.00                        | 1.14                | 0.23                  |
| 1/2               | 0                | 0.73              | 87                             | 131               | 348           | ---                         | 0.83                | 0.10                  |
|                   | 1                | 0.79              | 1,160                          | 1,740             | 6,104         | 4.88                        | 1.34                | 0.24                  |
| 3/4               | 0                | 1.11              | 32                             | 48                | 128           | ---                         | 1.26                | 0.15                  |
|                   | 1                | 1.18              | 725                            | 1,088             | 3,509         | 6.65                        | 2.09                | 0.36                  |
| 1                 | 0                | 1.37              | 26                             | 39                | 104           | ---                         | 1.46                | 0.20                  |
|                   | 1                | 1.43              | 580                            | 870               | 2,755         | 7.68                        | 2.52                | 0.44                  |
| 1-1/4             | 0                | 1.71              | 23                             | 35                | 92            | ---                         | 1.81                | 0.33                  |
|                   | 1                | 1.79              | 580                            | 870               | 2,973         | 8.86                        | 3.11                | 0.68                  |
| 1-1/2             | 0                | 2.06              | 17                             | 26                | 68            | ---                         | 2.16                | 0.40                  |
|                   | 1                | 2.14              | 465                            | 698               | 2,465         | 10.04                       | 3.86                | 0.88                  |
| 2                 | 0                | 2.55              | 15                             | 23                | 60            | ---                         | 2.56                | 0.64                  |
|                   | 1                | 2.65              | 465                            | 698               | 2,436         | 11.54                       | 4.72                | 1.35                  |
| 2-1/2             | 0                | 3.19              | 7                              | 11                | 28            | ---                         | 3.15                | 0.79                  |
|                   | 1                | 3.28              | 363                            | 545               | 1,871         | 13.58                       | 5.90                | 1.74                  |
| 3                 | 0                | 3.92              | 10                             | 15                | 40            | ---                         | 3.82                | 0.94                  |
|                   | 1                | 4.04              | 290                            | 435               | 1,595         | 15.35                       | 7.09                | 2.30                  |
| 4                 | 0                | 4.98              | 6                              | 9                 | 24            | ---                         | 4.45                | 1.12                  |
|                   | 1                | 5.10              | 218                            | 327               | 1,247         | 17.72                       | 8.58                | 2.71                  |
| 5                 | 0                | 5.98              | 4                              | 6                 | 16            | ---                         | 5.20                | 3.04                  |
|                   | 1                | 6.10              | 232                            | 348               | 928           | 25.60                       | 10.04               | 4.50                  |
| 6                 | 0                | 6.85              | 3                              | 5                 | 12            | ---                         | 5.98                | 3.48                  |
|                   | 1                | 6.97              | 210                            | 315               | 841           | 32.08                       | 11.42               | 5.35                  |

<sup>1</sup> Working pressures rated using dynamic flexing conditions.

<sup>2</sup> Test Pressure: This indicates the industry standard recommendation for the highest pressure that the hose should be tested to either within an installation, or by the factory prior to shipping. Pressure tests prior to shipping are not standard and must be specified by the customer.

<sup>3</sup> Dynamic Bend Radius: The minimum radius to which a hose can be repeatedly bent and render satisfactory flexure life.

<sup>4</sup> Static Bend Radius: Minimum centerline bend radius to which flexible metal hose may be bent for installation.