

STANDARD GRADES

| Nominal Hose Bore | | Minimum Through bore of hose | | Nominal PTFE Tube Wall Thickness | | Minimum Inner Bend Radius | | Maximum Working Pressure | | Weight per unit length | Uniflex reference numbers (stainless braided) | Unbraided Maximum Working Pressures | |
|-------------------|-----|------------------------------|------|----------------------------------|------|---------------------------|-----|--------------------------|-----|------------------------|---|-------------------------------------|-----|
| in | mm | in | mm | in | mm | in | mm | psi | bar | kg/mt | | psi | bar |
| 1/2 | 12 | 3/8 | 9.5 | 0.040 | 1.00 | 1 | 25 | 600 | 41 | 0.30 | UXS-12 | 100 | 7.0 |
| 3/4 | 20 | 9/16 | 14.2 | 0.047 | 1.20 | 1 1/2 | 38 | 500 | 35 | 0.45 | UXS-20 | 90 | 6.0 |
| 1 | 25 | 13/16 | 20.6 | 0.050 | 1.25 | 2 | 50 | 420 | 29 | 0.75 | UXS-25 | 75 | 5.0 |
| 1 1/4 | 32 | 1 | 25.4 | 0.063 | 1.60 | 3 | 75 | 380 | 26 | 0.95 | UXS-32 | 65 | 4.5 |
| 1 1/2 | 40 | 1 1/4 | 32.0 | 0.063 | 1.60 | 4 | 100 | 300 | 21 | 1.90 | UXS-38 | 65 | 4.5 |
| 1 3/4 | 45 | 1.7/16 | 36.5 | 0.050 | 1.25 | 4 1/2 | 114 | 250 | 17 | 2.00 | UXS-44 | 50 | 3.4 |
| 2 | 50 | 1.11/16 | 42.8 | 0.080 | 2.00 | 5 | 127 | 270 | 19 | 2.70 | UXS-50 | 55 | 3.8 |
| 2 1/4 | 57 | 1 7/8 | 47.6 | 0.063 | 1.60 | 6 | 150 | 225 | 16 | 2.60 | UXS-57 | 45 | 3.1 |
| 2 1/2 | 65 | 2 | 50.8 | 0.080 | 2.00 | 8 | 200 | 235 | 17 | 2.90 | UXS-65 | 40 | 2.7 |
| 3 | 75 | 2 1/2 | 63.5 | 0.080 | 2.00 | 10 | 250 | 200 | 14 | 3.75 | UXS-75 | 30 | 2.0 |
| 4 | 100 | 3 1/2 | 89.0 | 0.100 | 2.50 | 12 | 300 | 185 | 13 | 6.80 | UXS-100 | 20 | 1.3 |

Other sizes under development 1/4": 3/8" : 5/8" : 7/8" : 5" and 6". PTFE tube available with thicker wall UTX grade. Unbraided (reference UX) only suitable where there is no possibility of any external damage (Extension of 10% may occur at maximum pressure)

FURTHER HOSE PROTECTIVE COVERING

POS — Shrink Fit Outer Sleeve

Thin membrane of Polyolefin, FEP, PVC or PTFE shrink on sleeving to protect outer braid. Ideal for cleanliness areas providing a wash down facility avoiding contamination into the braid.

NC — Rubber Covered

Complete hose rubber covered for robust protection — vulcanised into stainless braid — Blue Colour as standard.

SR — Scuffing Rings

Rubber Scuffing rings placed at intervals along the hose to protect the hose from dragging on the ground. Usually square in section.

PTFE LINED FITTINGS

Flanged Spool pieces, threaded fittings, PTFE lined for attachment to pipework can be provided ready to accept Uniflex Integrally PTFE lined hose end fittings. These include a full range of patented cam lock quick release flanged adaptors fully PTFE lined. Alternative hose liners can be convoluted by Uniflex Patented method such as FEP or in limited sizes Polypropylene.

ORDERING PROCEDURES

Refer to reference numbers such as standard grade UXS (Stainless braid) or UXP (Durazine braid) with suffix added for additional specifications required. For example UXS-HV-FBL-25 for a 1" hose with stainless "Floppy" bend limiter suitable for high temperature and vacuum followed by overall length, type of end fittings, with grade of material required and whether unlined or integrally PTFE lined.

Uniflex

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