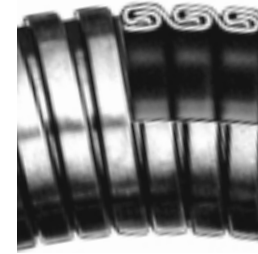


STEELFLEX Galvanized Steel NICROFLEX Stainless Steel Packed Interlocked Metal Hoses



Universal *STEELFLEX* and *NICROFLEX* unpacked flexible tubing products are strip-wound interlocked hose made from hot-dipped galvanized carbon steel and type 304 stainless steel, respectively. There are six different gauge thicknesses to choose from, depending on the severity of service. They can be twisted without unraveling. *STEELFLEX* is rated for service conditions to 750°F and *NICROFLEX* to 1000°F.

BASIC PART NUMBERS

| Inside Diameter (inches) | Size Dash Number | U-110G, U-110S Standard Weight 0.010-0.012 Strip | | U-130G, U-130S Light Heavyweight 0.018-0.020 Strip | | U-130HHG, U-130HHS Extra Heavyweight 0.028-0.030 Strip | | U-130HHG, U-130HHS Extra Heavyweight 0.023-0.025 Strip | |
|--------------------------|------------------|--|-----------------------|--|-----------------------|--|-----------------------|--|-----------------------|
| | | Minimum Bend Inside Radius (in.) | Weight Per Ft. (lbs.) | Minimum Bend Inside Radius (in.) | Weight Per Ft. (lbs.) | Minimum Bend Inside Radius (in.) | Weight Per Ft. (lbs.) | Minimum Bend Inside Radius (in.) | Weight Per Ft. (lbs.) |
| 1/2 | 016 | 2 1/2 | 0.21 | | | | | | |
| 5/8 | 020 | 2 3/4 | 0.25 | | | | | | |
| 3/4 | 024 | 3 | 0.29 | | | | | | |
| 7/8 | 028 | 3 1/2 | 0.32 | | | | | | |
| 1 | 032 | 3 3/4 | 0.36 | 5 | 0.67 | | | | |
| 1 1/8 | 036 | 4 | 0.40 | 5 1/2 | 0.73 | | | | |
| 1 1/4 | 040 | 4 1/2 | 0.46 | 6 | 0.80 | | | | |
| 1 3/8 | 044 | 5 | 0.50 | 6 1/2 | 0.87 | | | | |
| 1 1/2 | 048 | 5 1/2 | 0.54 | 7 | 0.93 | | | | |
| 1 5/8 | 052 | 6 | 0.58 | 7 1/2 | 1.00 | | | | |
| 1 3/4 | 056 | 6 1/2 | 0.62 | 8 | 1.07 | | | | |
| 1 7/8 | 060 | 7 | 0.68 | 8 1/2 | 1.13 | | | | |
| 2 | 064 | 7 1/2 | 0.70 | 9 | 1.20 | 11 1/2 | 1.87 | 14 | 2.25 |
| 2 1/8 | 068 | 8 | 0.74 | 10 | 1.26 | 12 | 1.97 | 14 1/2 | 2.37 |
| 2 1/4 | 072 | 8 1/2 | 0.78 | 10 1/2 | 1.33 | 12 1/2 | 2.07 | 15 | 2.49 |
| 2 3/8 | 076 | 9 | 0.82 | 11 | 1.40 | 13 | 2.17 | 15 1/2 | 2.61 |
| 2 1/2 | 080 | 9 1/2 | 0.86 | 11 1/2 | 1.46 | 14 | 2.28 | 16 | 2.73 |
| 2 5/8 | 084 | 10 | 0.90 | 12 1/2 | 1.53 | 15 | 2.38 | 17 | 2.85 |
| 2 3/4 | 088 | 1 1/2 | 0.94 | 13 | 1.60 | 16 | 2.48 | 18 | 2.97 |
| 2 7/8 | 092 | 11 | 0.98 | 14 | 1.66 | 16 | 2.58 | 19 | 3.09 |
| 3 | 096 | 11 1/2 | 1.03 | 15 | 1.70 | 17 | 2.68 | 20 | 3.21 |
| 3 1/4 | 104 | 12 1/2 | 1.11 | 16 | 1.83 | 18 | 2.89 | 21 | 3.45 |
| 3 1/2 | 112 | 13 1/2 | 1.19 | 17 | 1.96 | 19 | 3.09 | 23 | 3.69 |
| 3 3/4 | 120 | 14 | 1.27 | 17 | 2.09 | 21 | 3.29 | 24 | 3.93 |
| 4 | 128 | 15 | 1.35 | 18 | 2.22 | 22 | 3.50 | 26 | 4.17 |
| 4 1/4 | 136 | 16 | 1.43 | 19 | 2.35 | 23 | 3.70 | 28 | 4.41 |
| 4 1/2 | 144 | 17 | 1.51 | 20 | 2.48 | 25 | 3.90 | 28 | 4.65 |
| 5 | 160 | 19 | 1.68 | 23 | 2.74 | 28 | 4.31 | 33 | 5.13 |
| 6 | 192 | 22 | 2.00 | 26 | 3.27 | 33 | 5.12 | 39 | 6.08 |
| 7 | 224 | 26 | 2.33 | 31 | 4.09 | 39 | 5.93 | 46 | 7.04 |
| 8 | 256 | 30 | 2.65 | 36 | 4.65 | 44 | 6.75 | 52 | 8.00 |
| 9 | 288 | | | 39 | 5.22 | 50 | 7.56 | 59 | 8.96 |
| 10 | 320 | | | 42 | 5.78 | 55 | 8.37 | 65 | 9.92 |
| 12 | 384 | | | 50 | 6.91 | 66 | 10.00 | 78 | 12.72 |
| 14 | 448 | | | 55 | 8.04 | 77 | 11.62 | 91 | 14.79 |
| 16 | 512 | | | 60 | 9.17 | 88 | 13.25 | 104 | 16.86 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

See reverse side of page for more information and ordering instructions

Packing Materials

| Packing Code | Material | Service Temperature (OF) |
|--------------|----------------------|--------------------------|
| A | Cotton | 200 |
| B | Synthetic Fiber | 650 |
| C | Buna N | 225 |
| D | Silicone | 450 |
| E | Vinyl | 175 |
| F | Food Grade Vinyl | 175 |
| G | Stainless Steel Wire | 1200 |
| H | Copper Wire | 800 |

The service temperatures given are for the packing material only. The maximum recommended temperature for **STEELFLEX** hose is 750°F, and 1200°F for **NICROFLEX**.

Ordering Instructions

To order bulk hose specify the basic configuration (U-110G, U-110S, U-130G, etc.) followed by the size dash number from Column 2 of the table on the reverse side of this page, and the packing selected from the table above. Consult the factory or a distributor of Universal products for available standard lengths. Cut lengths or complete assemblies are also available.

Example:

P/N U-100G-016 specifies 1/2" inside diameter standard weight galvanized steel unpacked interlocked hose (0.010"-0.012" material thickness) packed with cotton cord.

UNIVERSAL has the total capability to machine, weld, braze, and test complete assemblies made from these products. Specify the tubing configuration or application, size, overall length, and fittings required.



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Wall Thickness and Outside Diameter

| Tubing Configuration | Wall Thickness (inches) | Add for Outside Diameter (inches) |
|----------------------|-------------------------|-----------------------------------|
| U-110G, U-110S | 0.075 | 0.15 |
| U-130G, U-130S | 0.125 | 0.25 |
| U-130HG, U-130HS | 0.150 | 0.30 |
| U-130HHG, U-130HHS | 0.175 | 0.35 |

To calculate the outside diameters of the hose add the tabulated value in the right-hand column to the inside diameters in Column 1 of the table on the reverse side of the page.

Optional Materials

These basic configurations are also available made from aluminum, bronze, and other stainless steel alloys.

Applications

STEELFLEX and **NICROFLEX** packed metal hose configurations are ideal for pressure and vacuum applications such as **Suction and Blower Hose**...dust and flume collection, ventilating and blow-pipe systems, and agricultural dusters and fog systems. **Engine Exhausts**... bendable exhaust and tailpipes, and garage exhaust fume collectors. **Armoring and Shielding**...electrical wiring, refrigeration supply lines, and convoluted hose internal liners and external covers. There are eight different packing compounds to choose from, depending on the service conditions and degree of leak tightness required.