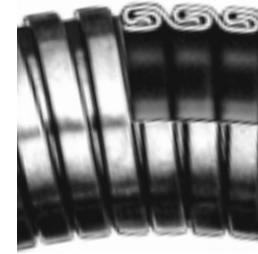


### **STEELFLEX Galvanized Steel** **NICROFLEX Stainless Steel** **Packed Interlocked Metal Hoses**



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

		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	
Inside Diameter (inches)	Size Dash Number	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*.

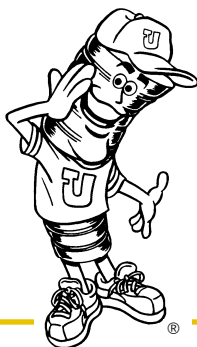
## Ordering Instructions

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.



## Universal Metal Hose

A Hyspan Company

17111 South Wallace Street  
 South Holland, IL 60473-2735  
 Voice: 773-277-0700  
 Fax: 773-277-0727  
[www.universalmetalhose.com](http://www.universalmetalhose.com)

## 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.