

STEELFLEX Galvanized Steel NICROFLEX Stainless Steel Unpacked Interlocked Metal Hose



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-100G, U-100S Standard Weight 0.010-0.012 Strip		U-100HG, U-100HS Medium Weight 0.014-0.016 Strip		U-120G, U-120S Light Heavyweight 0.018-0.020 Strip		U-120MHG, U-120MHS Medium Heavyweight 0.023-0.025 Strip		U-120HG, U-120HS Extra Heavyweight 0.028-0.030 Strip		U-120HHG, U-120HHS Superweight 0.034-0.040 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.)	Minimum Bend Inside Radius (in.)	Weight Per Ft. (lbs.)	Minimum Bend Inside Radius (in.)	Weight Per Ft. (lbs.)
1/2	016	2	0.21										
5/8	020	2 1/2	0.25										
3/4	024	2 3/4	0.29										
7/8	028	3 1/4	0.32										
1	032	3 1/2	0.36	4 1/2	0.54	4 3/4	0.67	5 1/4	0.91				
1 1/8	036	3 3/4	0.40	4 3/4	0.59	5	0.73	5 3/4	1.00				
1 1/4	040	4 1/4	0.46	5	0.65	5 1/4	0.80	6 1/2	1.10				
1 3/8	044	4 1/2	0.50	5 1/4	0.70	5 1/2	0.87	6 3/4	1.19				
1 1/2	048	4 3/4	0.54	5 3/4	0.76	6	0.93	7	1.28				
1 5/8	052	5	0.58	6	0.81	6 1/2	1.00	7 1/2	1.37				
1 3/4	056	5 3/4	0.62	6 1/2	0.87	7	1.07	8	1.46				
1 7/8	060	6 1/2	0.66	7	0.93	7 1/2	1.13	8 3/4	1.55				
2	064	6 3/4	0.70	7 1/2	0.98	8	1.20	9	1.59	10	1.87	12 3/4	2.25
2 1/8	068	7	0.74	8	1.04	8 1/2	1.26	9 1/2	1.68	10 1/4	1.97	13	2.37
2 1/4	072	7 1/4	0.78	8 1/2	1.09	9	1.33	10 1/4	1.76	11	2.07	14	2.49
2 3/8	076	7 3/4	0.82	9	1.15	9 1/2	1.40	11	1.85	11 3/4	2.17	15	2.61
2 1/2	080	8 3/4	0.86	9 1/4	1.20	10	1.46	11 1/2	1.94	12 1/2	2.28	16	2.73
2 5/8	084	9	0.90	9 3/4	1.26	10 1/2	1.53	12	2.02	13 1/2	2.38	17 1/4	2.85
2 3/4	088	9 1/4	0.94	10 1/4	1.31	11	1.60	12 1/2	2.11	14 1/4	2.48	18	2.97
2 7/8	092	9 1/2	0.98	11	1.37	11 1/2	1.66	13	2.20	15	2.58	19	3.09
3	096	9 3/4	1.03	11 1/4	1.42	12	1.70	13 1/2	2.29	15 1/2	2.68	20	3.21
3 1/4	104	11	1.11	12 1/4	1.54	13	1.83	14 3/4	2.48	16 3/4	2.89	20 1/2	3.45
3 1/2	112	12 1/4	1.19	13 1/4	1.65	14	1.96	15 3/4	2.63	18	3.09	21	3.69
3 3/4	120	12 1/2	1.27	13 1/2	1.76	15	2.09	17	2.81	19 1/2	3.29	22 1/2	3.93
4	128	13	1.35	14	1.87	16	2.22	18	2.98	20 3/4	3.50	23 3/4	4.17
4 1/4	136	13 3/4	1.43	15	1.98	17	2.35	19 1/4	3.16	22	3.70	25	4.41
4 1/2	144	14 3/4	1.51	15 3/4	2.09	18	2.48	20 1/2	3.33	23 1/2	3.90	25 3/4	4.65
5	160	16 1/4	1.68	17 1/2	2.31	20	2.74	22 1/2	3.68	25	4.31	27 3/4	5.13
6	192	19 1/2	2.00	21	2.76	24	3.27	27	4.38	29	5.12	31	6.08
7	224	22 3/4	2.33	24 1/2	3.20	26 3/4	4.09	31 1/2	5.07	31 3/4	5.93	33 3/4	7.04
8	256	26	2.65	28	3.64	30	4.65	34	5.77	36	6.75	38	8.00
9	288			32	4.01	36	5.22	38 1/4	6.47	41	7.56	43 3/4	8.96
10	320			35	4.45	40	5.78	42	7.16	45 1/2	8.37	48 1/4	9.92
12	384			42		48	6.91	50	8.56	54 1/4	10.00	58	12.72
14	448			49		56	8.04	59	9.95	63 1/2	11.62	68	14.79
16	512			56		64	9.17	68	11.34	73	13.25	77 1/2	16.86
1	2	3	4	5	6	7	8	9	10	11	12	13	14

See reverse side of page for more information and ordering instructions



STEELFLEX and *NICROFLEX* unpacked metal hose has fully interlocked construction to prevent unraveling by twisting while remaining permanently flexible even at elevated temperatures. See Bulletin 203 for *STEELFLEX* and *NICROFLEX* packed hose configurations where improved sealing is required.

Wall Thickness and Outside Diameter

Tubing Configuration	Wall Thickness (inches)	Add for Outside Diameter (inches)
U-100G, U-100S	0.075	0.15
U-100HG, U-100HS	0.105	0.21
U-120G, U-120S0.125	0.125	0.25
U-120MHG, U-120MHS	0.140	0.28
U-120HG, U-120HS	0.150	0.30
U-120HHG, U-120HHS	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.

Ordering Instructions

To order bulk hose, specify the basic configuration (U-100G, U-100S, U-100HG, etc.) followed by the size dash number from Column 2 of the table on the reverse side of this page. 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).

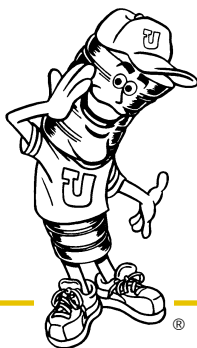
UNIVERSAL has the total capability to machine, weld, braze, and test complete assemblies made from these products. Specify the tubing configuration or application, size, overall length, and fittings required.

Optional Materials

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

Applications

STEELFLEX and *NICROFLEX* 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.



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