

### ULTRAFLEX Stainless Steel Protective Casing Unpacked Interlocked Metal Hose

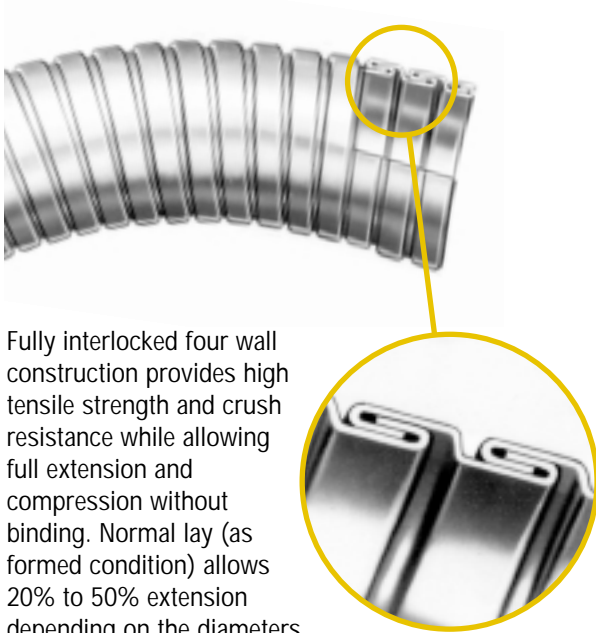


Universal<sup>®</sup> *Ultraflex* stainless steel metal hose is a fully interlocked four wall very flexible or “floppy” tubing - permits full extension or compression without binding or friction. This construction has high tensile strength and crush resistance, and it will not spring open or unwind. Applications include; armor or casing for metal and non-metallic hose, rip cord armor, sanitary hose casing, bar dispenser casing, control cables, security system armor, and high crush resistance conduit in undersea umbilical cords. Standard construction is type 304 stainless steel, but other alloys can be formed. This product was formally known as “Casing” and manufactured by Anaconda Metal Hose and Anamet Industrial.

Nominal Inside Diameter (inches)	Part Number	Nominal Outside Dia. (inches)	Material Thickness (inches)	Minimum Bend Inside Radius (in.)	Weight Per Ft. (lbs.)	
3/8	0.375	U-466012	0.490	0.010	1.5	0.11
7/16	0.438	U-466014	0.553	0.010	1.5	0.16
1/2	0.500	U-466016	0.615	0.010	2.0	0.17
9/16	0.563	U-466018	0.678	0.010	2.5	0.19
5/8	0.625	U-466020	0.740	0.010	2.5	0.22
3/4	0.750	U-466024	0.865	0.010	2.5	0.25
7/8	0.875	U-466028	0.990	0.015	3.0	0.29
1	1.000	U-466032	1.180	0.015	4.0	0.34
1 1/8	1.125	U-466036	1.305	0.015	4.5	0.39
1 1/4	1.250	U-466040	1.430	0.015	5.0	0.66
1 3/8	1.375	U-466044	1.555	0.015	6.0	0.75
1 1/2	1.500	U-466048	1.705	0.017	6.5	0.96
1 5/8	1.625	U-466052	1.830	0.017	7.0	1.03
1 3/4	1.750	U-466056	1.955	0.017	8.0	1.10
1 7/8	1.875	U-466060	2.080	0.017	8.5	1.17
2	2.000	U-466064	2.205	0.017	8.5	1.24
2 1/8	2.125	U-466068	2.330	0.017	9.0	1.31
2 1/4	2.250	U-466072	2.455	0.017	9.5	1.37
2 3/8	2.375	U-466076	2.580	0.017	9.5	1.44
2 1/2	2.500	U-466080	2.705	0.017	9.5	1.51
2 3/4	2.750	U-466088	2.955	0.017	10.0	1.65
3	3.000	U-466096	3.205	0.017	10.5	1.78
3 1/4	3.250	U-466104	3.455	0.017	11.0	1.92
3 1/2	3.500	U-466112	3.705	0.017	12.5	2.06
3 3/4	3.750	U-466120	3.970	0.017	13.0	2.20
4	4.000	U-466128	4.220	0.017	15.0	2.34
4 1/4	4.250	U-466136	4.470	0.017	16.0	2.47
1	2	3	4	5	6	7

Refer to Universal<sup>®</sup> Product Bulletin 208 for diameters less than 3/8".  
The sizes listed are standard. Universal<sup>®</sup> has the capability to form hose with special diameters.

See reverse side of page for more information and ordering instructions



Fully interlocked four wall construction provides high tensile strength and crush resistance while allowing full extension and compression without binding. Normal lay (as formed condition) allows 20% to 50% extension depending on the diameters.



Universal® has the capability to apply external extruded or heat shrink liquid tight coatings in a wide variety of materials, and internal liners made from TFE and other non-metallic tubing.

Hose can be supplied in bulk as bundles or coils or on reels. Cut lengths can be furnished with burr free cuts made by electrochemical or high-speed cutoff saws.

Universal® has a wide variety of specialized equipment to install end fittings by welding, brazing or swaging.

Hose can be formed from all grades of austenitic stainless steels as well as other nickel alloys and galvanized or plated carbon steel.

## Ordering Instructions

To order bulk hose specify the Part Number listed in Column 3 of the table on the reverse side of this page, Consult the factory for mill coil lengths. You may specify cut lengths or reels. Reels can vary in capacity – when necessary the hose can be spliced by tungsten inert gas welding. All hose is cleaned by a warm water and biodegradable soap solution. Special cleaning levels can be specified.

All other requirements such as internal or external coatings, special cleaning and assembly details must be identified by written specification.

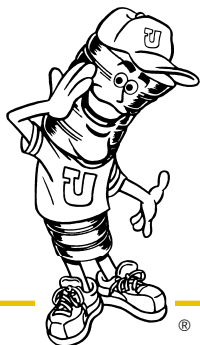
### Example:

*P/N U-466032 specifies 1" inside diameter, 1.180" outside diameter, type 304 stainless steel, cleaned and dried with normal lay. Length required and method of put up must be added.*

## Manufacturing Tolerances

The following tolerances apply to the inside and outside diameters for standard product construction.

<i>Inside Diameter Range</i>	<i>Total Tolerance Range</i>
3/8" – 7/8"	0.015"
1" – 2"	0.030"
2 1/8" – 3 1/4"	0.040"
3 1/2" – 4 1/4"	0.050"



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