



**130 W. FAY AVENUE, ADDISON IL 60101  
PHONE (630) 543-5995 / FAX (630) 543-5996**

**Strip Wound Flexible Metal Hose & Conduit Since 1970**

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## **Welcome To Flextron...**

We manufacture four types of flexible metal hose: Squarelock, Interlock, Smooth Bore - Lined, and Double Groove.

Sizes range from .100" ID up to 40" ID and can be made from various metals like Stainless Steel, Galvanized Steel, Brass, Bronze, Aluminum, etc.

This tubing has a variety of uses like armor casing, instrumentation tubing, blowout protection, flexible shaft casing, exhaust venting, solid material transfer, just to name a few.

The tubing can also be made with a variety of "packings" to reduce air or liquid leakage through the convolutions.

We welcome small orders or large orders and pride ourselves on the ability to make virtually any decimal size and hold very tight tolerances if needed.

# FLEXTRON•INC



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## Products

### Squarelock

ID Sizes - .100" To 4"



Unpacked



Packed

#### Metals

- Stainless Steel
- Hot-dipped Galvanized Steel
- Bronze
- Brass
- Aluminum
- Other metals upon request

#### Features

- Crush Resistant
- Lighter Weight
- Less Expensive
- Smaller ID Bend than Interlock

\* Comes "Packed" or "Unpacked". A packing material can be used to reduce seepage through the convolutions.

#### Uses:

Squarelock can be used in a variety of ways. It is commonly used as a protective covering for electrical wiring, fiberoptic cable, etc. It has a smaller bend radius so it works well where tight bends are needed.

### Interlock

ID Sizes - 1/8" to 40"



Unpacked



Packed

#### Metals

- Stainless Steel
- Hot-dipped Galvanized Steel
- Bronze
- Brass
- Aluminum
- Other metals upon request

#### Features

- Crush Resistant
- Great Pull Strength (Tensile Strength)
- Better Overall Strength
- Resists Pulling Apart Due to Axial Twisting

\* Can be made "FLOPPY" or STAY-PUT".

\* Less seepage than squarelock when conveying liquids, powders, etc.

\* Comes "Packed" or "Unpacked". A packing material can be used to reduce seepage through the convolutions.

#### Uses

Interlock is a stronger protective armor than squarelock but will have a larger bend radius. It will also weigh a little more. It is commonly used as a protective covering for electrical wiring, fiberoptic cable, blowout protection for pressure hoses, exhaust venting, etc.

### Double Groove

ID Sizes - 5/32" - 3/4"



#### Metals

- Stainless Steel
- Hot-dipped Galvanized Steel
- Brass
- Bronze
- Other metals upon request

#### Features

- Holds Moderate Pressure
- Withstands liquid seepage

#### Uses

- Stay-Put oil can spouts, coolant tubing, etc.

### Smooth Bore - Lined Hose

ID Sizes - 3" - 6"



#### Metals

- Galvanized Steel Outside with Galvanized Liner
- Galvanized Steel Outside with Stainless Liner
- Stainless Steel Outside with Stainless Liner

#### Features

- Norfab Packed
- Abrasion Resistant

#### Uses

- Transfer of dry bulk material

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## Squarelock

### Stainless Steel & Galvanized

	Electrical Trade Size	ID (in.)	Item # : F1SS		Item # : F1G	
			OD	Appox Wt/100Ft	OD	Appox Wt/100Ft
.010 strip		3/32	0.17	2.3	8/47	2.2
		1/8	0.21	3.0	7/32	2.8
		5/32	1/4	3.5	1/4	3.3
		3/16	9/32	4.4	9/32	4.4
		7/32	5/16	5.0	5/16	5.0
		1/4	11/32	5.6	11/32	5.7
		9/32	3/8	6.2	3/8	6.2
		5/16	13/32	6.8	13/32	6.9
		11/32	7/16	7.4	7/16	7.5
.012 strip	5/16	3/8	1/2	8.0	1/2	8.2
		13/32	17/32	12.2	17/32	11.1
.014 strip		7/16	9/16	13.0	9/16	11.9
	3/8	1/2	5/8	14.6	5/8	13.4
		9/16	11/16	16.3	11/16	14.9
		5/8	3/4	17.9	3/4	16.3
.020 strip	1/2	3/4	7/8	21.1	7/8	29.3
	3/4	7/8	1	24.4	1	33.8
		1	1 1/8	27.6	1 1/8	39.5
		1 1/4	1 1/2	50.1	1 1/2	59.5
		1 1/2	1 3/4	59.2	1 3/4	70.4
		1 3/4	2	68.3	2	81.2
		2	2 1/4	75.3	2 1/4	92.0
		2 1/2	2 3/4	93.0	2 3/4	113.7
		3	3 1/4	110.7	3 1/4	135.3
	3 1/2	3 3/4	128.4	3 3/4	157.0	
	4	4 1/4	146.1	4 1/4	178.6	

Also available in Brass and Bronze - consult Sales for pricing

Items Listed above are Unpacked



Also Available With Packing



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## Interlock - Small Diameter

1/8" ID up to 2" ID

Item #:	F312008 (.008 Strip)		F6 (.010/.012 Strip)	
ID (in.)	OD	Appox Wt/100Ft (Steel)	OD	Appox Wt/100Ft (Steel)
1/8	0.200	3.7	7/32	4.8
5/32	0.235	4.5	1/4	5.7
3/16	0.265	5.2	22/83	2.2
7/32	0.296	5.9	5/16	7.5
1/4	0.328	6.6	11/32	8.4
9/32	0.359	7.3	3/8	9.3
5/16	0.390	8.0	13/32	10.1
11/32			7/16	11.0
3/8			31/64	12.1
13/32			17/32	12.7
7/16			9/16	14.0
1/2			5/8	15.9
9/16			11/16	17.6
5/8			3/4	19.4
3/4			7/8	21.7
13/16			15/16	23.4
7/8			1	25.1
15/16			1 1/16	26.7
1			1 1/8	28.4
1 1/8			1 1/4	31.7
1 1/4			1 3/8	35.1
1 3/8			1 1/2	39.8
1 1/2			1 5/8	43.3
1 5/8			1 3/4	46.7
1 3/4			1 7/8	50.2
1 7/8			2	53.7

Consult Sales for other sizes not listed.

**Made From:**

Stainless Steel, Galvanized Steel, Brass, Bronze, Aluminum, & other metals.

Items Listed above are Unpacked



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## Interlock - Large Diameter 2"ID up to 40"ID

**Made From:** Stainless Steel, Galvanized Steel, Brass, Bronze, Aluminum, & other metals.

Item #:	F6 (.010/.012 Strip)		F15 (.015 Strip)		F8 (.018 Strip)		F8MH (.025 Strip)		F8XH (.030 Strip)	
	ID (in.)	OD	Appox Wt / 100 Ft (Steel)	OD	Appox Wt / 100 Ft (Steel)	OD	Appox Wt / 100 Ft (Steel)	OD	Appox	Nom OD
2	2 1/8	56.6	2 3/16	96.7	2 1/4	117.8	2 1/4	163.6	2 1/4	203.9
2 1/8	2 1/4	80.8	2 5/16	102.5	2 3/8	124.7	2 3/8	173.2	2 3/8	215.9
2 1/4	2 3/8	85.4	2 7/16	108.2	2 1/2	131.6	2 1/2	182.8	2 1/2	227.9
2 3/8	2 1/2	90.1	2 9/16	114.0	2 5/9	2.2	2 5/8	192.4	2 5/8	239.9
2 1/2	2 5/8	94.7	2 11/16	119.8	2 3/4	145.5	2 3/4	202.1	2 3/4	251.8
2 5/8	2 3/4	99.3	2 13/16	125.6	2 7/8	152.4	2 7/8	211.7	2 7/8	263.8
2 3/4	2 7/8	103.9	2 15/16	131.3	3	159.3	3	221.3	3	275.8
2 7/8	3	108.5	3 1/16	137.1	3 1/8	166.3	3 1/8	230.9	3 1/8	287.8
3	3 1/8	113.2	3 3/16	142.9	3 1/4	173.2	3 1/4	240.6	3 1/4	299.8
3 1/8	3 1/4	117.8	3 5/16	148.7	3 3/8	180.1	3 3/8	250.2	3 3/8	311.8
3 1/4	3 3/8	122.4	3 7/16	154.4	3 1/2	187.1	3 1/2	259.8	3 1/2	323.8
3 3/8	3 1/2	127.0	3 9/16	160.2	3 5/8	194.0	3 5/8	269.4	3 5/8	335.8
3 1/2	3 5/8	131.6	3 11/16	166.0	3 3/4	200.9	3 3/4	279.0	3 3/4	347.8
3 3/4	3 7/8	140.9	3 13/16	171.7	4	214.8	3 7/8	288.7	4	371.8
4	4 1/8	150.1	4 3/16	189.1	4 1/4	228.6	4 1/4	317.5	4 1/4	395.8
4 1/2	4 5/8	168.6	4 11/16	212.2	4 3/4	256.3	4 3/4	356.0	4 3/4	443.7
5	5 1/8	187.1	5 3/16	235.3	5 1/4	284.1	5 1/4	394.5	5 1/4	491.7
5 1/2	5 5/8	205.5	5 11/16	258.3	5 3/4	311.8	5 3/4	433.0	5 3/4	539.7
6	6 1/8	224.0	6 3/16	281.4	6 1/4	339.5	6 1/4	471.5	6 1/4	587.6
7			7 3/16	340.3	7 1/4	410.2	7 1/4	569.7	7 1/4	683.6
8			8 3/16	388.3	8 1/4	467.7	7 3/4	609.6	8 1/4	779.5
9			9 3/16	436.2	9 1/4	525.3	8 1/4	649.6	9 1/4	875.5
10			10 3/16	484.2	10 1/4	582.9	9 1/4	729.6	10 1/4	971.4
11			11 3/16	532.2	11 1/4	640.4	10 1/4	809.5	11 1/4	1067.4
12			12 3/16	580.1	12 1/4	698.0	11 1/4	889.5	12 1/4	1163.3
14					14 1/4	813.1	12 1/4	969.4	14 1/4	1355.2
15					15 1/4	870.7	14 1/4	1129.3	15 1/4	1451.1
16					16 1/4	928.2	16 1/4	1289.2	16 1/4	1547.1
18					18 1/4	1043.4	18 1/4	1449.1	18 1/4	1739.0
20					20 1/4	1158.5	20 1/4	1609.0	20 1/4	1930.8
22					22 1/4	1273.6	22 1/4	1768.9	22 1/4	2122.7
24					24 1/4	1388.8	24 1/4	1928.8	24 1/4	2314.6
30					30 1/4	1734.2	30 1/4	2408.6	30 1/4	2890.3
40					40 1/4	2309.8	40 1/4	3208.1	40 1/4	3849.7

Consult Sales for other sizes not listed.

Items Listed above are Unpacked



Also Available With Packing



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## Aluminum Interlock

Item #:	F6A (.010/.012 Strip)		F8A (.018/.020 Strip)		F8MA (.025 Strip)		
	ID (in.)	OD	Appox Wt/100Ft	OD	Appox Wt/100Ft	OD	Appox Wt/100Ft
	3/16	9/32	2.2				
	1/4	11/32	2.8				
	5/16	13/32	3.4				
	3/8	15/32	4.1				
	1/2	5/8	5.2				
	5/8	3/4	6.5				
	3/4	7/8	7.6				
	7/8	1	8.8				
	1	1 1/8	10.0				
	1 1/8	1 1/4	11.2				
	1 1/4	1 3/8	12.3				
	1 3/8	1 1/2	13.5				
	1 1/2	1 5/8	14.7				
	1 5/8	1 3/4	15.9				
	1 3/4	1 7/8	17.1				
	2	2 1/8	25.9	2 1/4	39.5	2 1/4	57.8
	2 1/8	2 1/4	27.5	2 3/8	41.8	2 3/8	61.2
	2 1/4	2 3/8	29.1	2 1/2	44.2	2 1/2	64.6
	2 1/2	2 5/8	32.2	2 3/4	48.9	2 3/4	71.4
	2 3/4	2 7/8	35.3	3	53.6	3	78.2
	3	3 1/8	38.5	3 1/4	58.3	3 1/4	85.0
	3 1/2	3 5/8	44.8	3 3/4	67.7	3 3/4	98.6
	4	4 1/8	51.0	4 1/4	77.2	4 1/4	112.2
	4 1/2	4 5/8	57.3	4 3/4	86.6	4 3/4	125.8
	5	5 1/8	63.6	5 1/4	96.0	5 1/4	139.4
	6	6 1/8	76.2	6 1/4	114.9	6 1/4	166.5
	7			7 1/4	154.3	7 1/4	193.7
	8			8 1/4	176.1	8 1/4	220.9
	9			9 1/4	197.8	9 1/4	248.1
	10			10 1/4	219.6	10 1/4	275.3
	12			12 1/4	263.1	12 1/4	329.7
	14			14 1/4	306.6	14 1/4	384.1

Consult Sales for other sizes not listed.

Items listed above are Unpacked

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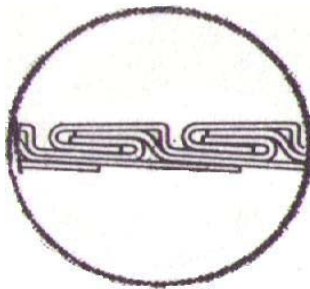
## Smooth Bore

### Stainless Steel & Galvanized

Item # : F8SSL		
ID (in.)	Bend Diameter	Appox Wt / 100Ft
3	26	271
3 1/2	30	315
4	34	359
5	42	444
6	50	608
7	58	708
8	66	808

Consult Sales for other sizes not listed.

- \* Galvanized Steel Outside with Galvanized Liner
- \* Galvanized Steel Outside with Stainless Steel Liner
- \* Stainless Steel Outside with Stainless Steel Liner



Uses: - Transfer of dry bulk material

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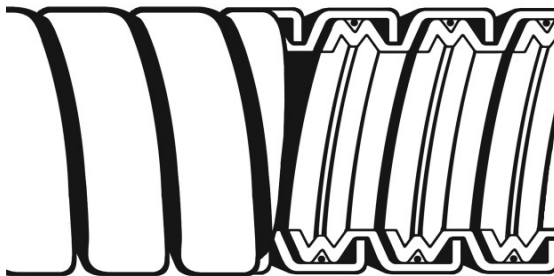
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## Double Groove Tubing

Item # : F12		
ID (in.)	OD	Appox Wt/100Ft
5/32	1/4	4.8
3/16	9/32	6.1
7/32	5/16	6.9
1/4	11/32	7.7
9/32	3/8	8.4
5/16	13/32	10.3
3/8	1/2	11.9
7/16	9/16	13.6
1/2	5/8	15.3
9/16	11/16	16.9
5/8	3/4	19.0

Available in Stainless Steel, Galvanized Steel, Brass, and Bronze - consult Sales for pricing



**Features**

- Holds Moderate Pressure
- Withstands liquid seepage

**Uses:**

- Oil can spouts, coolant tubing, etc.



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## Flextron Services....

<b>Cutting:</b>	Flextron has several different saws to meet "cut to length" requirements. <ul style="list-style-type: none"><li>- High Volume Cutting</li><li>- Close Tolerance Cutting</li><li>- Large Diameter Cutting</li><li>- Short Lengths</li><li>- Long Lengths</li></ul>
<b>Deburring:</b>	The cutting process generally leaves "metal burrs" on the cut to length hose. Flextron uses a wire brush deburring machine to remove burrs and sharp edges from cut lengths.
<b>Degreasing:</b>	Flextron uses a water soluble animal fat lubricant during the manufacturing process. If needed, the tubing can be degreased in our ultra-sonic degreasing chambers.
<b>Electro Polishing:</b>	Electropolishing stainless steel will create a chrome like appearance. It's accomplished by submerging cut lengths into a chemical electrolyte bath in combination with a rectified electric current. The process removes a small layer of the surface and results in a bright shiny finish.
<b>PVC &amp; Other Coatings</b>	Flextron can also accommodate customers who need to have an extruded plastic covering applied to their tubing. Examples: Clear PVC, Black PVC, High Temperature Thermoplastic Copolyester Elastomers, etc.
<b>Braiding</b>	Braid is a woven metal cover that can be produced over tubing. Flextron can also manufacture metal braid over the stripwound metal hose.