



# FLEXIBLE METAL HOSE

All flexible metal hose assemblies are custom made to order. Please allow 7-10 days delivery.

Flexible metal hoses are generally selected where rubber or plastic hoses are not suitable. For example, in:

- permanent piping installations where flexibility is required
- extreme high or low temperature applications
- corrosive, combustible or toxic environments.

All hoses are built to order with welded end fittings. Assemblies are 100% tested. We can provide a limitless variety of fabricated metal hose assemblies; only a few of the most common sizes and configurations are shown here.



**Tube:** Standard tube material is corrugated Type 321 stainless steel. Sizes up to 1" have helical corrugations and larger sizes have annular corrugations.

**Reinforcement:** One or two (G521 or G522) braids of Type 304 stainless steel.

**Fittings:** All fittings are welded on at the factory and assemblies are 100% tested.

**Temperature Range:** Hoses can work at up to 800°C (1500°F) but working pressures decrease as temperature increases.

## Single Braid Stainless Hose Specifications

I.D.	Part Number	O.D.	Tube Wall Thickness	Working Pressure		Vacuum Rating	Bend Radius	
				20°C	450°C		Static	Dynamic
1/4"	G521-025	0.48"	0.010"	2000 psi	1200 psi	29" Hg	1.7"	3.5"
3/8"	G521-038	0.64"	0.010"	1675	1000	29	2.5	5
1/2"	G521-050	0.78"	0.010"	1075	650	29	3.4	6
3/4"	G521-075	1.05"	0.010"	1050	630	29	4.3	8
1"	G521-100	1.35"	0.010"	800	480	29	5.5	9
1 1/4"	G521-125	1.82"	0.015"	585	350	29	3.1	10
1 1/2"	G521-150	2.25"	0.016"	650	390	29	3.5	11
2"	G521-200	2.71"	0.016"	550	330	29	4.5	12
2 1/2"	G521-250	3.47"	0.016"	275	165	29	5.0	13
3"	G521-300	4.05"	0.016"	250	150	29	7.5	16
4"	G521-400	4.91"	0.016"	280	165	29	10.0	20
6"	G521-600	7.05"	0.018"	200	120	29	15.0	30

To calculate the price for a standard assembly, use the 12" Assembly price and add as many extra feet of hose that you need at the "per foot" price. Extra charges will apply for specialty service such as:

**Degreasing & Cleaning:** Some applications such as oxygen service require degreased, cleaned and capped assemblies. Please contact us for pricing.

**CRN Number:** If the application falls under Provincial Boilers Branch legislation, a CRN (Canadian Registration Number) may be required. Most high-heat water and steam applications will require a CRN. An additional charge of \$5.00 net will be applied to assemblies requiring a CRN.

**CSA Certification & Testing:** CSA approved assemblies are required for hoses conveying natural gas or propane. Please refer to pricing under the CSA section if approval is required.

**Specialty Applications:** Please inquire for other materials and configurations, including double braiding, flexible armor casing, jacketed hoses. We also supply other materials such as Type 316 stainless, and Monel. Specialty service products are available including cryogenic, anhydrous ammonia, natural gas, oxygen transfer, and chlorine transfer.

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I.D.	Part Number	PRICE EACH 12" Assy
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### Assemblies with Male NPT Hex each end

1/4"	G521-025HH-12	\$86.60
3/8	G521-038HH-12	88.30
1/2	G521-050HH-12	102.30
3/4	G521-075HH-12	117.00
1	G521-100HH-12	147.40

### Assemblies with Male NPT Plain each end

1 1/4	G521-125MM-12	151.60
1 1/2	G521-150MM-12	166.30
2	G521-200MM-12	188.50
2 1/2	G521-250MM-12	278.70
3	G521-300MM-12	311.70
4	G521-400MM-12	419.00

### Assemblies with Female JIC by Male NPT ends

1/4	G521-025JM-12	104.30
3/8	G521-038JM-12	106.40
1/2	G521-050JM-12	113.60
3/4	G521-075JM-12	134.30
1	G521-100JM-12	167.80
1 1/4	G521-125JM-12	224.90
1 1/2	G521-150JM-12	254.20
2	G521-200JM-12	417.50

### Assemblies with Female JIC each end

1/4	G521-025JJ-12	112.50
3/8	G521-038JJ-12	119.20
1/2	G521-050JJ-12	130.50
3/4	G521-075JJ-12	155.40
1	G521-100JJ-12	200.40
1 1/4	G521-125JJ-12	275.20
1 1/2	G521-150JJ-12	336.70
2	G521-200JJ-12	574.60

### Assemblies with A105 150# Fixed Flange each end

1 1/2	G521-150FF-12	214.70
2	G521-200FF-12	226.40
2 1/2	G521-250FF-12	296.90
3	G521-300FF-12	373.50
4	G521-400FF-12	471.20
6	G521-600FF-12	759.40

### Assemblies with A105 150# Floating by Fixed Flange (Floating Flange has T304 stainless stub)

1 1/2	G521-150FX-12	264.50
2	G521-200FX-12	279.10
2 1/2	G521-250FX-12	366.00
3	G521-300FX-12	440.80
4	G521-400FX-12	570.60
6	G521-600FX-12	924.30

I.D.	Part Number	PRICE EACH 12" Assy
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### Assemblies with T304 Male NPT Hex each end

1/4"	G521-025HHSS-12	\$104.60
3/8	G521-038HHSS-12	118.00
1/2	G521-050HHSS-12	131.00
3/4	G521-075HHSS-12	159.30
1	G521-100HHSS-12	203.70

### Assemblies with T304 Male NPT Plain each end

1/4"	G521-025MMSS-12	83.80
3/8	G521-038MMSS-12	85.30
1/2	G521-050MMSS-12	96.20
3/4	G521-075MMSS-12	114.60
1	G521-100MMSS-12	138.40
1 1/4	G521-125MMSS-12	178.70
1 1/2	G521-150MMSS-12	190.30
2	G521-200MMSS-12	221.40
2 1/2	G521-250MMSS-12	325.70
3	G521-300MMSS-12	417.70
4	G521-400MMSS-12	554.50

To calculate the price for a standard assembly, use the 12" Assembly price and add as many extra feet of hose that you need at the "per foot" price

### Extra Hose Price Per Foot

1/4"	G521-025	\$21.50
3/8	G521-038	32.30
1/2	G521-050	33.20
3/4	G521-075	35.60
1	G521-100	46.00
1 1/4	G521-125	60.60
1 1/2	G521-150	66.20
2	G521-200	76.50
2 1/2	G521-250	95.60
3	G521-300	109.50
4	G521-400	132.90
6	G521-600	220.50





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To meet CSA standards, these hoses have schedule 80 male NPT fittings, permanently attached CSA labels, and are tested according to the standard. Sizes 3" and up are double braided



I.D.	Part Number	Working Pressure	PRICE	
			12" Ass'y	extra/ft
<b>Assemblies with Male NPT Plain each end</b>				
1/4"	G521CSA-025MM-12	350 psi	\$138.60	\$22.70
3/8	G521CSA-038MM-12	350	147.30	26.70
1/2	G521CSA-050MM-12	350	151.40	27.90
3/4	G521CSA-075MM-12	350	173.00	30.70
1	G521CSA-100MM-12	350	196.00	37.80
1 1/4	G521CSA-125MM-12	350	237.50	57.30
1 1/2	G521CSA-150MM-12	350	249.50	59.80
2	G521CSA-200MM-12	350	271.00	68.70
2 1/2	G521CSA-250MM-12	250	368.00	92.00
3	G522CSA-300MM-12	250	539.90	134.80
<b>Assemblies with Female JIC by Male NPT ends</b>				
1/4	G521CSA-025JM-12	350	150.00	22.70
3/8	G521CSA-038JM-12	350	155.80	26.70
1/2	G521CSA-050JM-12	350	167.90	27.90
3/4	G521CSA-075JM-12	350	189.50	30.70
1	G521CSA-100JM-12	350	239.10	37.80
1 1/4	G521CSA-125JM-12	350	310.40	57.30
1 1/2	G521CSA-150JM-12	350	356.30	59.80
2	G521CSA-200JM-12	350	499.20	68.70
<b>Assemblies with Female JIC each end</b>				
1/4	G521CSA-025JJ-12	350	161.70	22.70
3/8	G521CSA-038JJ-12	350	165.90	26.70
1/2	G521CSA-050JJ-12	350	182.10	27.90
3/4	G521CSA-075JJ-12	350	217.50	30.70
1	G521CSA-100JJ-12	350	269.50	37.80
1 1/4	G521CSA-125JJ-12	350	397.20	57.30
1 1/2	G521CSA-150JJ-12	350	378.00	59.80
2	G521CSA-200JJ-12	350	388.70	68.70
<b>Assemblies with 300 # Flanged Ends</b>				
1 1/2	G521CSA-150GG-12	350	448.00	59.80
2	G521CSA-200GG-12	350	467.10	68.70
2 1/2	G521CSA-250GG-12	250	513.90	92.00
3	G522CSA-300GG-12	250	662.00	134.80
4	G522CSA-400GG-12	200	930.50	227.60
6	G522CSA-600GG-12	200	1752.20	284.10
<b>Assemblies with 150 # Flanged Ends</b>				
2 1/2	G521CSA-250FF-12	250	435.30	92.00
3	G522CSA-300FF-12	250	585.50	134.80
4	G522CSA-400FF-12	200	817.30	227.60
6	G522CSA-600FF-12	200	1163.80	284.10