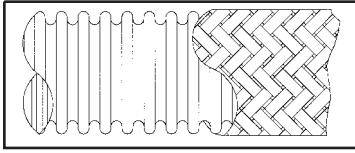


Corrugated Metal Hose (Products)

ChemKing®



ChemKing® is Hose Master's chemical resistant annular corrugated metal hose. Hydroformed from a special 276 alloy, *ChemKing®* provides superior flexibility and excellent corrosion resistance. Used in a variety of industries, *ChemKing®* is the solution for many of the most severe chemical transfer applications.

Explanation of **ChemKing®** Part Numbers:

AF 6 7

Braid
Code

Braid Codes

- 00** - Unbraided
- 40** - T316 Single Braid
- 44** - T316 Double Braid

*Example: AF6740 =
276 annular, corrugated metal
hose with a single T316 Stainless
Steel Braid.*

Inside Diameter (in.)	Number of Braids (#)	Outside Diameter (in.)	Static Min. Bend Radius (in.)	Dynamic Min. Bend Radius (in.)	Maximum Working Pressure (psi)	Burst Pressure (psi)	Weight Per Foot (lbs.)
1/2	0	0.77	1.5	5.5	70	4743	0.11
	1	0.83			1186		0.22
	2	0.89			1779		0.33
3/4	0	1.16	2.1	8.0	43	5387	0.19
	1	1.22			898		0.37
	2	1.28			1347		0.55
1	0	1.47	2.7	9.0	43	4308	0.26
	1	1.53			718		0.50
	2	1.59			1077		0.74
1 1/2	0	2.08	3.9	11.0	28	3188	0.47
	1	2.16			531		0.85
	2	2.24			797		1.23
2	0	2.61	5.1	13.0	14	2696	0.59
	1	2.69			449		1.11
	2	2.77			674		1.63
3	0	3.88	7.8	18.0	14	2076	1.18
	1	3.98			346		2.06
	2	4.08			519		2.94
4*	0	4.96	9.8	22.0	14	1791	1.41
	1	5.06			299		2.47
	2	5.16			448		3.53
5*	0	6.00	12.8	28.0	14	1649	2.18
	1	6.12			275		3.61
	2	6.24			412		5.04
6*	0	7.01	14.8	32.0	11	1259	2.69
	1	7.13			210		4.44
	2	7.25			315		6.19

* Consult factory for delivery.

Notes: The minimum bend radius is measured from the centerline of the hose. The minimum bend radius increases with pressure (see chart on page 69). The working pressure decreases with temperature (obtain derating factor on page 67). For rapid pressure fluctuations consult the factory.

Braid is T316 stainless steel. Monel braid is available upon request. When Monel braid is used, stated pressure ratings need to be reduced by 0.75. Part numbers for Monel braid are AF6780 (single braid), and AF6788 (double braid).



Corrugated Metal Hose