

BRAIDED HOSE SPECIFICATION

FOR RADIATOR, AIR, OIL, WATER, GAS APPLICATIONS, ETC.,

BUTT WELDED ANNULAR CORRUGATED HOSE - SINGLE BRAID

NOMINAL HOSE I.D. IN INCHES	PRODUCT PART NUMBER	APPROX. WEIGHT PER FT. *	NOMINAL HOSE O.D. IN INCHES	BRAID LAYERS	MIN. CENTERLINE BEND RADIUS IN INCHES		MAX. ** WORKING PRESSURE @ 70°F	MAX. TEST PRESSURE @ 70°F	NOMINAL BURST PRESSURE @ 70°F
					DYNAMIC	STATIC			
1/4"	DMH0025-21	0.17	0.57	1	5.00	1.00	2,116	3,844	10,250
3/8"	DMH0038-21	0.25	0.74	1	5.50	1.25	1,501	2,251	6,004
1/2"	DMH0050-21	0.34	0.89	1	6.00	1.50	1,075	1,613	4,301
3/4"	DMH0075-21	0.59	1.28	1	8.00	2.25	792	1,188	3,168
1"	DMH0100-21	0.75	1.58	1	9.00	2.75	571	857	2,285
1-1/4"	DMH0125-21	1.07	1.93	1	10.50	3.50	531	797	2,125
1-1/2"	DMH0150-21	1.23	2.28	1	12.00	4.00	472	708	1,887
2"	DMH0200-21	1.73	2.61	1	15.00	5.00	518	778	2,074
2-1/2"	DMH0250-21	1.86	3.33	1	20.00	8.00	387	581	1,548
3"	DMH0300-21	2.00	3.88	1	22.00	9.00	316	474	1,264
4"	DMH0400-21	2.68	4.98	1	27.00	13.00	232	348	927
5"	DMH0500-21	2.60	6.03	1	31.00	18.00	191	286	764
6"	DMH0600-21	4.75	7.10	1	36.00	19.00	150	225	600
8"	DMH0800-21	9.44	9.19	1	33.50	29.50	234	350	934
10"	DMH1000-21	12.90	11.32	1	37.50	33.50	230	344	918
12"	DMH1200-21	14.83	13.37	1	55.50	47.50	161	241	643

* Weight per foot will vary according to Material Type, Metal Thickness, and Convolution Count.

- Braid is T-304 Stainless Steel.
- Metal Hose is T-321 Stainless Steel.
- Special High Pressure Hose is Available Upon Request.
- For T-316L Stainless Steel Hose, Add "E" at the end of the Part Number.
- All Braided Hose Assemblies are Pressure Tested to Insure a Leak Tight Installation.

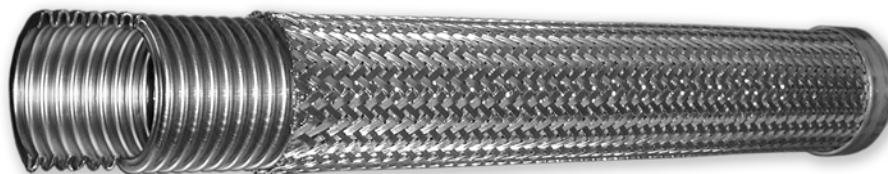
TEMPERATURE CORRECTION FACTORS

Temperature In Degrees F.	Material				
	Bronze	Steel	Monel	T-304 Stainless	T-321 / T316 ELC Stainless
Room Temp	1.00	1.00	1.00	1.00	1.00
150	0.92	0.99	0.93	0.96	0.97
200	0.89	0.97	0.90	0.92	0.94
250	0.86	0.96	0.87	0.91	0.92
300	0.83	0.93	0.83	0.86	0.88
350	0.81	0.91	0.82	0.85	0.86
400	0.78	0.87	0.79	0.82	0.83
450	0.75	0.86	0.77	0.80	0.81
500		0.81	0.73	0.77	0.78
600		0.74	0.72	0.73	0.74
700		0.66	0.71	0.69	0.70
800		0.52	0.70	0.64	0.66
900		0.50		0.58	0.62
1000					0.60
1100					0.58
1200					0.55

** The pressure ratings shown are for the braided hose only. The Assemblies in this catalog have been rated according to the fitting pressure rating at 500°F.

TEMPERATURE CORRECTION FACTORS FOR ELEVATED TEMPERATURE APPLICATIONS

As the service temperature increases, the maximum pressure a hose can withstand decreases. The material from which the hose is made and the method of fitting attachment determines the maximum pressure at which an assembly can be used. By using the factors given in this chart, the approximate safe working pressure at the elevated temperature can be calculated.



Contact One Of Our Product Specialists For Assistance

