

CORRUGATED METAL HOSE SPECIFICATIONS



CUSTOM FABRICATED ASSEMBLIES ARE MANUFACTURED TO YOUR
EXACT SPECIFICATIONS WITH A VARIETY OF
FITTING COMBINATIONS AVAILABLE

DME INCORPORATED

STAINLESS STEEL

BUTT WELDED ANNULAR CORRUGATED HOSE

Nominal Hose I.D. In Inches	Product Part Number	Approx. Weight Per Ft.*	Nominal Hose O.D. In Inches	Braid Layers	Minimum Centerline Bend Radius In Inches		Max. Working Pressure @ 70°F	Max. Test Pressure @ 70°F	Nominal Burst Pressure @ 70°F
					Dynamic	Static			
1/4"	DMH0025-20	0.09	0.50	0	5.00	1.00	180	270	--
	DMH0025-21	0.17	0.57	1	5.00	1.00	2,562	3,846	10,250
	DMH0025-22	0.26	0.64	2	5.00	1.00	4,099	6,149	16,397
3/8"	DMH0038-20	0.13	0.67	0	5.50	1.25	100	150	--
	DMH0038-21	0.25	0.74	1	5.50	1.25	1,848	2,772	7,391
	DMH0038-22	0.36	0.81	2	5.50	1.25	2,957	4,435	11,827
1/2"	DMH0050-20	0.23	0.82	0	6.00	1.50	80	120	--
	DMH0050-21	0.34	0.89	1	6.00	1.50	1,075	1,613	4,301
	DMH0050-22	0.46	0.96	2	6.00	1.50	1,720	2,580	6,880
3/4"	DMH0075-20	0.39	1.21	0	8.00	2.25	70	105	--
	DMH0075-21	0.59	1.28	1	8.00	2.25	792	1,188	3,168
	DMH0075-22	0.79	1.35	2	8.00	2.25	1,267	1,901	5,069
1"	DMH0100-20	0.53	1.51	0	9.00	2.75	40	60	--
	DMH0100-21	0.75	1.58	1	9.00	2.75	571	857	2,285
	DMH0100-22	0.98	1.65	2	9.00	2.75	914	1,370	3,654
1-1/4"	DMH0125-20	0.76	1.85	0	10.50	3.50	25	38	--
	DMH0125-21	1.07	1.93	1	10.50	3.50	531	797	2,125
	DMH0125-22	1.37	2.02	2	10.50	3.50	850	1,274	3,398
1-1/2"	DMH0150-20	0.84	2.19	0	12.00	4.00	20	30	--
	DMH0150-21	1.23	2.28	1	12.00	4.00	472	708	1,887
	DMH0150-22	1.63	2.37	2	12.00	4.00	755	1,133	3,021
2"	DMH0200-20	1.04	2.51	0	15.00	5.00	15	23	--
	DMH0200-21	1.73	2.61	1	15.00	5.00	518	778	2,074
	DMH0200-22	2.41	2.71	2	15.00	5.00	829	1,243	3,318
2-1/2"	DMH0250-20	1.16	3.23	0	20.00	8.00	12	18	--
	DMH0250-21	1.86	3.33	1	20.00	8.00	387	581	1,548
	DMH0250-22	2.56	3.43	2	20.00	8.00	619	929	2,477
3"	DMH0300-20	1.21	3.78	0	22.00	9.00	10	15	--
	DMH0300-21	2.00	3.88	1	22.00	9.00	316	474	1,264
	DMH0300-22	2.80	3.98	2	22.00	9.00	506	758	2,022
4"	DMH0400-20	1.69	4.85	0	27.00	13.00	8	12	--
	DMH0400-21	2.68	4.98	1	27.00	13.00	232	348	927
	DMH0400-22	3.68	5.10	2	27.00	13.00	371	557	1,485
5"	DMH0500-20	2.08	5.90	0	31.00	18.00	6	9	--
	DMH0500-21	2.60	6.03	1	31.00	18.00	191	286	754
	DMH0500-22	3.85	6.15	2	31.00	18.00	306	458	1,222
6"	DMH0600-20	3.47	6.87	0	36.00	19.00	5	8	--
	DMH0600-21	4.75	7.10	1	36.00	19.00	150	225	600
	DMH0600-22	6.04	7.33	2	36.00	19.00	212	318	848
8"	DMH0800-20	5.56	9.09	0	33.50	29.50	6	9	--
	DMH0800-21	9.44	9.19	1	33.50	29.50	234	350	934
	DMH0800-22	13.36	9.28	2	33.50	29.50	374	561	1,495
10"	DMH1000-20	6.80	11.18	0	37.50	33.50	5	8	--
	DMH1000-21	12.90	11.32	1	37.50	33.50	230	344	918
	DMH1000-22	19.00	11.45	2	37.50	33.50	367	551	1,469
12"	DMH1200-20	9.02	13.23	0	55.50	47.50	3	5	--
	DMH1200-21	14.83	13.37	1	55.50	47.50	161	241	643
	DMH1200-22	20.64	13.50	2	55.50	47.50	257	386	1,029

* 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.
- For T-316L Stainless Steel Hose, Add "E" at the end of the Part Number.
- Special High Pressure Hose is Available upon request.

BUTT WELDED ANNULAR CORRUGATED HOSE

Nominal Hose I.D. In Inches	Product Part Number	Approx. Weight Per Ft.*	Nominal Hose O.D. In Inches	Braid Layers	Minimum Centerline Bend Radius In Inches		Max. Working Pressure @ 70°F	Max. Test Pressure @ 70°F	Nominal Burst Pressure @ 70°F
					Dynamic	Static			
1/4"	DMH0025-10	0.13	0.49	0	5.50	1.00	100	150	--
	DMH0025-11	0.23	0.57	1	5.50	1.00	941	1,412	3,765
	DMH0025-12	0.33	0.65	2	5.50	1.00	1,506	2,259	6,024
3/8"	DMH0038-10	0.25	0.67	0	6.00	1.25	40	75	--
	DMH0038-11	0.36	0.75	1	6.00	1.25	622	934	2,489
	DMH0038-12	0.47	0.83	2	6.00	1.25	996	1,494	3,983
1/2"	DMH0050-10	0.38	0.82	0	7.00	1.50	40	60	--
	DMH0050-11	0.57	0.90	1	7.00	1.50	642	963	2,568
	DMH0050-12	0.76	0.98	2	7.00	1.50	1,027	1,541	4,109
3/4"	DMH0075-10	0.50	1.21	0	8.00	2.25	30	36	--
	DMH0075-11	0.83	1.31	1	8.00	2.25	524	983	2,097
	DMH0075-12	1.16	1.41	2	8.00	2.25	839	1,258	3,355
1"	DMH0100-10	0.68	1.51	0	10.00	3.00	20	30	--
	DMH0100-11	1.12	1.61	1	10.00	3.00	428	641	1,710
	DMH0100-12	1.56	1.71	2	10.00	3.00	684	1,026	2,736
1-1/4"	DMH0125-10	0.80	1.85	0	12.00	3.50	15	23	--
	DMH0125-11	1.31	1.95	1	12.00	3.50	328	492	1,311
	DMH0125-12	1.82	2.05	2	12.00	3.50	525	787	2,098
1-1/2"	DMH0150-10	1.03	2.18	0	13.50	4.00	10	15	--
	DMH0150-11	1.73	2.31	1	13.50	4.00	299	449	1,197
	DMH0150-12	2.43	2.43	2	13.50	4.00	479	718	1,915
2"	DMH0200-10	1.81	2.50	0	17.00	5.00	8	12	--
	DMH0200-11	2.73	2.63	1	17.00	5.00	288	432	1,152
	DMH0200-12	3.65	2.75	2	17.00	5.00	461	691	1,843
2-1/2"	DMH0250-10	1.39	3.10	0	22.00	8.00	8	12	--
	DMH0250-11	2.66	3.22	1	22.00	8.00	244	366	975
	DMH0250-12	3.93	3.34	2	22.00	8.00	390	585	1,560
3"	DMH0300-10	1.44	3.78	0	24.00	12.00	10	15	--
	DMH0300-11	2.84	3.90	1	24.00	12.00	176	264	704
	DMH0300-12	4.11	4.03	2	24.00	12.00	282	422	1,126
4"	DMH0400-10	3.45	4.85	0	26.00	14.00	8	12	--
	DMH0400-11	5.03	4.99	1	26.00	14.00	109	164	437
	DMH0400-12	6.61	5.13	2	26.00	14.00	175	262	699

TEMPERATURE CORRECTION FACTORS

Temperature In Degrees F.	Material				
	Bronze	Steel	Monel	304 Stainless	321 / 316 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

TEMPERATURE CORRECTION FACTORS FOR ELEVATED TEMPERATURE APPLICATIONS.

As the service temperature increases, the maximum pressure a hose assembly can withstand decreases. The material from which the hose is made and the method of fitting attachment (mechanical, soldered, welded, silver brazed) determines the maximum pressure at which an assembly can be used. By using the factors given in the chart below the approximate safe working pressure at elevated temperatures can be calculated for assemblies.



FITTINGS

- 150#, 300#, 600# Raised Face Forged Flanges.
- 150#, 300#, Plate Flanges.
- Lap Joint Floating Flanges.
- Metric Flanges.
- Engine Jacket Water Flanges.
- Male NPT (Plain)
- Male NPT (With Wrench Hex)
- Female NPT Coupling.
- Female Socket Weld Coupling.
- Female NPT Union 150#, 3000#.
- Female Socket Weld Union.
- Victaulic Groove Nipples.
- Beveled Weld Ends.
- Square Cut Pipe Ends.
- Plain Tube Ends.
- Rolled Bead Tube Ends.
- 90° Pipe Elbows (Long and Short Radius).
- 90° Tube Elbows (Long and Short Radius).
- 37° JIC Female Swivel.
- Swagelok Fittings.
- Concentric Reducers.
- Eccentric Reducers.
- Any Weldable Fittings.

MATERIALS

- T-321 Stainless Steel
- T-304 Stainless Steel
- T-316L Stainless Steel
- Monel 400
- Hastelloy C276
- Inconel 625
- Copper
- Bronze
- Forged Steel
- A 36 Carbon Steel



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