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A DETROIT FLEXIBLE METAL PRODUCTS COMPANY

METAL HOSE CATALOG

Sales@detroitflexdefense.com

2921 Industrial Row | Troy, MI 48084

DFD 248.280.0030 FAX 248.280.0038

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MH9026

Medium Pressure | Annular Construction Stainless Steel Hose



CONSTRUCTION:

- 321 or 361L SS Annular Construction Corrugated Metal Core
- Optional Single or Double Layer 300 Series SS Braid

FEATURES:

- Long Lengths Available
- Multiple Braid Options

OPERATING TEMP:

- Cryogenic to +800°F

APPLICATION:

With an excellent combination of wall thickness and pressure capability, MH9026 is reliable and suitable for a wide range of medium pressure applications

HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	BRAID CONSTRUCTION	BRAID COVERAGE	NOMINAL O.D. (IN)	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90260-04		0			0.48	180	-			0.09
MH90261-04	1/4	1	24 x 5 x .014	89%	0.57	2,116	8,464	1.000	5.000	0.17
MH90262-04		2			0.64	3,125	12,500			0.26
MH90260-06		0			0.63	100	-			0.13
MH90261-06	3/8	1	24 x 7 x .014	91%	0.70	1,501	6,004	1.125	5.500	0.25
MH90262-06		2			0.81	2,401	9,604			0.36
MH90260-08		0			0.82	80	-			0.23
MH90261-08	1/2	1	24 x 7 x .014	82%	0.89	1,075	4,301	1.500	6.000	0.34
MH90262-08		2			0.96	1,720	6,880			0.46
MH90260-12		0			1.21	70	-			0.39
MH90261-12	3/4	1	36 x 8 x .014	90%	1.28	792	3,168	2.250	8.000	0.59
MH90262-12		2			1.35	1,267	5,069			0.79
MH90260-16		0			1.51	40	-			0.53
MH90261-16	1	1	36 x 9 x .014	85%	1.58	571	2,285	2.750	9.000	0.75
MH90262-16		2			1.65	914	3,654			0.98
MH90260-20		0			1.85	25	-			0.76
MH90261-20	1 1/4	1	48 x 7 x .016	83%	1.93	531	2,125	3.500	10.500	1.07
MH90262-20		2			2.02	850	3,398			1.37
MH90260-24		0			2.19	20	-			0.84
MH90261-24	1 1/2	1	48 x 9 x .016	87%	2.28	472	1,887	4.000	12.000	1.23
MH90262-24		2			2.37	755	3,021			1.63

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HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	BRAID CONSTRUCTION	BRAID COVERAGE	NOMINAL O.D. (IN)	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90260-32		0			2.60	15	-			0.90
MH90261-32	2	1	48 x 9 x .020	89%	2.72	516	2,064	5.000	15.000	1.52
MH90262-32		2			2.84	826	3,302			2.14
MH90260-40		0			3.23	12	-			1.16
MH90261-40	2 1/2	1	72 x 7 x .020	86%	3.33	387	1,548	8.000	20.000	1.86
MH90262-40		2			3.43	619	2,477			2.56
MH90260-48		0			3.78	10	-			1.21
MH90261-48	3	1	72 x 8 x .020	85%	3.88	316	1,264	9.000	22.000	2.00
MH90262-48		2			3.98	506	2,022			2.80
MH90260-56		0			4.32	9	-			1.62
MH90261-56	3 1/2	1	72 x 10 x .020	84%	4.45	297	1,188	10.000	24.000	2.61
MH90262-56		2			4.58	475	1,900			3.60
MH90260-64		0			4.85	8	-			1.69
MH90261-64	4	1	72 x 10 x .020	84%	4.98	232	927	13.000	27.000	2.68
MH90262-64		2			5.10	371	1,485			3.68
MH90260-80		0			5.90	6	-			2.50
MH90261-80	5	1	72 x 8 x .025	74%	6.03	191	764	18.000	31.000	3.75
MH90262-80		2			6.15	306	1,222			5.00
MH90260-96		0			6.87	5	-			3.47
MH90261-96	6	1	96 x 12 x .020	90%	7.10	165	660	19.000	36.000	4.75
MH90262-96		2			7.33	264	1,056			6.04
MH90260-128		0			9.09	6	-			5.56
MH90261-128	8	1	96 x 21 x .024	96%	9.19	234	934	20.000	40.000	9.44
MH90262-128		2			9.28	374	1,495			13.36
MH90260-160		0			11.18	5	-			6.80
MH90261-160	10	1	96 x 25 x .028	98%	11.32	230	918	25.000	50.000	12.90
MH90262-160		2			11.45	367	1,469			19.00
MH90260-192		0			13.17	3	-			9.02
MH90261-192	12	1	96 x 25 x .028	97%	13.31	161	643	30.000	60.000	14.83
MH90262-192		2			13.44	257	1,029			20.64

NOTES: Table dimensions are nominal. Pressure and vacuum ratings may change according to end connections

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MH9027

Medium Pressure | Annular Construction Stainless Steel Hose



CONSTRUCTION:

- 321 or 316L SS Annular Construction Corrugated Metal Core
- Optional 300 Series SS Braid

FEATURES:

- Extremely Flexible
- Meets ISO 10380 Standard
- Close Pitch Innercore

OPERATING TEMP:

- -525°F to +1000°F

APPLICATION:

MH9027 remains one of the most flexible metal hoses on the market, while still conforming to the stringent ISO 10380 pressure and life cycle ratings.

HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	STATIC MAX OPERATING PRESSURE (PSI)	DYNAMIC MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90270-04	1/4	0	0.39	392	-	-	0.35	-	0.04
MH90271-04		1	0.45	4,829	2,030	11,165	0.75	5.50	0.12
MH90270-06	3/8	0	0.63	174	-	-	0.55	-	0.09
MH90217-06		1	0.70	3,727	1,450	8,004	1.14	6.00	0.23
MH90270-08	1/2	0	0.73	131	-	-	0.83	-	0.10
MH90271-08		1	0.79	2,973	1,160	6,104	1.34	4.88	0.24
MH90270-12	3/4	0	1.11	32	-	-	1.26	-	0.15
MH90271-12		1	1.18	1,421	725	3,509	2.09	6.65	0.36
MH90270-16	1	0	1.37	26	-	-	1.46	-	0.20
MH90271-16		1	1.43	972	580	2,755	2.52	7.68	0.44
MH90270-20	1 1/4	0	1.71	22	-	-	1.81	-	0.33
MH90271-20		1	1.79	1,131	580	2,973	3.11	8.86	0.68
MH90270-24	1 1/2	0	2.06	17	-	-	2.16	-	0.40
MH90271-24		1	2.14	885	465	2,465	3.86	10.04	0.88
MH90270-32	2	0	2.55	13	-	-	2.56	-	0.64
MH90271-32		1	2.65	928	465	2,436	4.72	11.54	1.35
MH90270-40	2 1/2	0	3.19	10	-	-	3.15	-	0.79
MH9027140		1	3.28	623	363	1,871	5.90	13.58	1.74
MH90270-48	3	0	3.92	9	-	-	3.82	-	0.94
MH90271-48		1	4.04	522	290	1,595	7.09	15.35	2.30
MH90270-64	4	0	4.98	7	-	-	4.45	-	1.12
MH90271-64		1	5.10	406	218	1,247	8.58	17.72	2.71
MH90270-80	5	0	5.98	6	-	-	5.20	-	3.04
MH90271-80		1	6.10	276	232	928	10.04	25.60	4.50
MH90270-96	6	0	6.85	4	-	-	5.98	-	3.48
MH90271-96		1	6.97	232	210	841	11.42	32.08	5.35

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MH9040

Medium Pressure | Annular Construction Stainless Steel Hose



CONSTRUCTION:

- 316L or 321 SS Annular Construction Corrugated Metal Core
- Optional Single or Double Layer 304L SS Braid

FEATURES:

- Meets ISO 10380 Standard
- Ultra Flexible
- Lightweight

OPERATING TEMP:

- Cryogenic to +800°F

APPLICATION:

Combining a thinner wall construction with a high corrugation count, MH9040 is both ultra flexible and lightweight while maintaining high pressure ratings. This hose also conforms to the stringent ISO 10380 pressure and life cycle ratings.

HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	BRAID CONSTRUCTION	BRAID COVERAGE	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90400-04		0	0.38			72	-			0.04
MH90401-04	1/4	1	0.43	24 x 6 x .010	95%	2,360	9,440	1.10	3.15	0.10
MH90402-04		2	0.48			2,832	11,328			0.15
MH90400-05		0	0.48			72	-			0.06
MH90401-05	5/16	1	0.53	24 x 7 x .010	92%	1,647	6,588	1.23	4.85	0.12
MH90402-05		2	0.58			1,976	7,904			0.18
MH90400-06		0	0.56			72	-			0.07
MH90401-06	3/8	1	0.62	24 x 7 x .012	93%	1,639	6,556	1.52	5.08	0.16
MH90402-06		2	0.68			1,976	7,868			0.25
MH90400-08		0	0.66			72	-			0.08
MH90401-08	1/2	1	0.72	24 x 8 x .012	92%	1,225	4,900	1.75	5.47	0.18
MH90402-08		2	0.78			1,470	5,880			0.28

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HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	BRAID CONSTRUCTION	BRAID COVERAGE	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90400-10		0	0.85			71	-			0.13
MH90401-10	5/8	1	0.92	36 x 6 x .014	93%	1,200	4,800	2.21	6.28	0.28
MH90402-10		2	0.99			1,440	5,760			0.44
MH90400-12		0	1.05			43	-			0.17
MH90401-12	3/4	1	1.12	36 x 8 x .014	96%	1,034	4,136	2.65	6.58	0.38
MH90402-12		2	1.19			1,241	4,964			0.59
MH90400-24		0	1.27			43	-			0.24
MH90401-24	1	1	1.34	48 x 7 x .014	95%	796	3,184	3.33	7.50	0.48
MH90402-24		2	1.41			955	3,820			0.72
MH90400-20		0	1.62			43	-			0.38
MH90401-20	1 1/4	1	1.69	48 x 9 x .014	95%	600	2,400	4.10	10.20	0.70
MH90402-20		2	1.76			720	2,880			1.01
MH90400-24		0	1.95			28	-			0.50
MH90401-24	1 1/2	1	2.03	48 x 9 x .016	94%	557	2,228	5.08	11.75	0.90
MH90402-24		2	2.11			668	2,672			1.31
MH90400-32		0	2.38			28	-			0.61
MH90401-32	2	1	2.48	48 x 9 x .020	94%	570	2,280	6.27	12.55	1.25
MH90402-32		2	2.58			684	2,736			1.88

NOTES: Table dimensions are nominal. Pressure and vacuum ratings may change according to end connections

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MH9043

Medium Pressure | Annular Construction Stainless Steel Hose



CONSTRUCTION:

- 321 SS Annular Construction
Corrugated Metal Core
- Optional Single or Double Layer
321 SS Braid

FEATURES:

- Wide Temperature Range
- Full Vacuum Rated
- Multiple Braid Options

OPERATING TEMP:

- Cryogenic to +1500°F

APPLICATION:

Built for a very wide range of industries, MH9043 is a reliable choice for metal hose applications ranging from full vacuum to medium pressure.

HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	MIN LIVE LENGTH (IN)	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90430-04		0	0.49		200				0.14
MH90431-04	1/4	1	0.55	3.75	2,660	10,650	0.875	5.500	0.21
MH90432-04		2	0.61		4,500	18,000			0.28
MH90430-06		0	0.66		100				0.18
MH90431-06	3/8	1	0.73	4.25	1,610	6,440	1.125	5.500	0.25
MH90432-06		2	0.79		2,435	9,750			0.35
MH90430-08		0	0.84		80				0.27
MH90431-08	1/2	1	0.90	4.50	1,310	5,240	1.500	6.000	0.38
MH90432-08		2	0.96		2,355	9,420			0.49
MH90430-12		0	1.21		70				0.51
MH90431-12	3/4	1	1.27	5.50	915	3,660	2.125	8.000	0.67
MH90432-12		2	1.33		1,650	6,600			0.84
MH90430-16		0	1.53		43				0.75
MH90431-16	1	1	1.59	6.50	645	2,580	2.750	9.000	0.93
MH90432-16		2	1.65		1,165	4,660			1.13
MH90430-20		0	1.86		29				0.96
MH90431-20	1 1/4	1	1.92	7.00	545	2,180	3.250	10.500	1.20
MH90432-20		2	1.98		980	3,920			1.45
MH90430-24		0	2.19		31				1.47
MH90431-24	1 1/2	1	2.27	7.50	560	2,240	3.750	12.000	1.85
MH90432-24		2	2.35		1,000	4,000			2.20

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HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	MIN LIVE LENGTH (IN)	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90430-32		0	2.83		17				1.97
MH90431-32	2	1	2.91	9.00	450	1,800	5.000	15.000	2.44
MH90432-32		2	2.99		810	3,240			2.90
MH90430-40		0	3.00		7				1.42
MH90431-40	2 1/2	1	3.12	7.00	570	2,280	7.000	14.000	2.19
MH90432-40		2	3.24		750	3,000			2.96
MH90430-48		0	3.57		5				1.82
MH90431-48	3	1	3.69	8.00	450	1,800	8.250	17.000	2.70
MH90432-48		2	3.81		560	2,240			3.58
MH90430-56		0	4.14		3				1.57
MH90431-56	3 1/2	1	4.26	9.00	265	1,060	9.500	19.000	2.43
MH90432-56		2	4.38		265	1,060			3.29
MH90430-64		0	4.72		2				2.38
MH90431-64	4	1	4.84	10.00	285	1,140	11.000	22.000	3.34
MH90432-64		2	4.96		375	1,500			4.30
MH90430-80		0	5.93		3				3.20
MH90431-80	5	1	6.03	17.50	265	1,060	11.000	28.000	4.50
MH90432-80		2	6.13		265	1,060			5.80
MH90430-96		0	7.00		4				4.46
MH90431-96	6	1	7.19	17.00	240	960	16.500	33.000	6.20
MH90432-96		2	7.38		285	1,140			7.94
MH90430-128		0	9.06		3				5.85
MH90431-128	8	1	9.31	19.00	217	868	21.500	43.000	9.39
MH90432-128		2	9.56		270	1,080			12.93
MH90430-160		0	11.19		2				9.17
MH90431-160	10	1	11.44	21.00	210	840	27.000	54.000	13.54
MH90432-160		2	11.69		375	1,500			17.91
MH90430-192		0	13.25		2				10.93
MH90431-192	12	1	13.50	23.00	200	800	32.000	64.000	16.94
MH90432-192		2	13.75		360	1,440			22.95

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MH9064

Medium Pressure | Annular Construction Stainless Steel Hose



CONSTRUCTION:

- 316L SS Annular Construction
Corrugated Metal Core
- Optional Single or Double Layer
304 SS Braid

FEATURES:

- Close Pitch Corrugations
- Large Sizes Available

OPERATING TEMP:

- Cryogenic to +1500°F

APPLICATION:

With sizes up to 30" ID available, MH9064 is a reliable hose that will work for an extremely wide range of medium pressure applications.

HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90640-04		0	0.48	280	-			0.13
MH90641-04	1/4	1	0.56	2,750	11,000	1.00	5.00	0.22
MH90642-04		2	0.64	3,935	15,740			0.30
MH90640-06		0	0.61	260	-			0.20
MH90641-06	3/8	1	0.69	1,960	7,840	1.13	5.50	0.31
MH90642-06		2	0.77	2,740	10,960			0.41
MH90640-08		0	0.78	100	-			0.24
MH90641-08	1/2	1	0.86	1,335	5,340	1.50	7.50	0.37
MH90642-08		2	0.94	2,065	8,260			0.50
MH90640-12		0	1.08	150	-			0.41
MH90641-12	3/4	1	1.16	1,135	4,540	2.13	8.50	0.62
MH90642-12		2	1.24	1,800	7,200			0.84
MH90640-16		0	1.38	75	-			0.55
MH90641-16	1	1	1.46	795	3,180	2.75	10.00	0.81
MH90642-16		2	1.54	1,365	5,460			1.06
MH90640-20		0	1.73	55	-			0.70
MH90641-20	1 1/4	1	1.81	610	2,440	3.50	11.50	1.00
MH90642-20		2	1.89	1,000	4,000			1.30
MH90640-24		0	2.02	60	-			1.00
MH90641-24	1 1/2	1	2.10	530	2,120	4.50	13.00	1.41
MH90642-24		2	2.18	955	3,820			1.81
MH90640-32		0	2.63	35	-			1.32
MH90641-32	2	1	2.74	535	2,140	6.00	15.00	2.03
MH90642-32		2	2.85	865	3,460			2.73

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HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90640-40		0	3.15	25	-			1.64
MH90641-40	2 1/2	1	3.26	395	1,580	6.50	17.00	2.42
MH90642-40		2	3.37	710	2,840			3.19
MH90640-48		0	3.70	18	-			1.95
MH90641-48	3	1	3.83	385	1,540	8.50	21.00	3.09
MH90642-48		2	3.96	635	2,540			4.23
MH90640-56		0	4.25	12	-			2.28
MH90641-56	3 1/2	1	4.38	365	1,460	10.00	23.00	3.53
MH90642-56		2	4.51	585	2,340			4.79
MH90640-64		0	4.75	10	-			2.60
MH90641-64	4	1	4.88	270	1,080	11.00	27.00	3.97
MH90642-64		2	5.01	485	1,940			5.34
MH90640-80		0	5.88	12	-			3.86
MH90641-80	5	1	6.01	225	900	14.00	32.00	5.32
MH90642-80		2	6.15	405	1,620			6.77
MH90640-96		0	7.00	8	-			4.63
MH90641-96	6	1	7.13	170	680	16.00	37.00	6.37
MH90642-96		2	7.26	300	1,200			8.11
MH90640-128		0	9.00	6	-			6.20
MH90641-128	8	1	9.25	235	940	19.00	42.00	9.60
MH90642-128		2	9.50	360	1,440			13.01
MH90640-160		0	11.00	4	-			8.20
MH90641-160	10	1	11.25	260	1,040	24.00	56.00	14.01
MH90642-160		2	11.50	280	1,120			19.81
MH90640-192		0	13.12	3	-			9.80
MH90641-192	12	1	13.37	160	640	28.00	58.00	16.30
MH90642-192		2	13.54	220	880			22.81

TABLE CONTINUED ON FOLLOWING PAGE



HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90640-224		0	14.37	3	-			10.63
MH90641-224	14	1	14.62	150	600	35.00	66.00	17.03
MH90642-224		2	14.86	190	760			23.43
MH90640-256		0	16.37	2	-			12.23
MH90641-256	16	1	16.62	110	440	40.00	74.00	18.44
MH90642-256		2	16.86	170	680			24.65
MH90640-288		0	18.75	1	-			13.83
MH90641-288	18	1	19.00	85	340	45.00	82.00	20.23
MH90642-288		2	19.25	150	600			26.63
MH90640-320		0	20.75	1	-			15.44
MH90641-320	20	1	21.00	65	260	50.00	90.00	21.84
MH90642-320		2	21.25	115	460			28.24
MH90640-352		0	22.75	1	-			17.10
MH90641-352	22	1	23.00	50	200	55.00	98.00	23.50
MH90642-352		2	23.25	90	360			29.90
MH90640-384		0	24.75	1	-			18.64
MH90641-384	24	1	25.00	45	180	60.00	104.00	25.04
MH90642-384		2	25.25	80	320			31.44
MH90640-480		0	30.75	1	-			24.45
MH90641-480	30	1	31.00	20	80	75.00	128.00	30.85
MH90642-480		2	31.25	36	144			37.25

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MH9047

High Pressure | Annular Construction Stainless Steel Hose



CONSTRUCTION:

- 316L SS Annular Construction
Corrugated Metal Core
- Double and Triple Layer 304 SS
Braid

FEATURES:

- High Pressure Rating
- Close-Pitch Corrugations

OPERATING TEMP:

- Cryogenic to +1500°F

APPLICATION:

MH9047 combines close pitch corrugations with multiple braid layers to create a reliable high pressure hose that remains very flexible.

HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH9047-04	1/4	2	0.64	5,320	21,280	1.000	5.00	0.40
MH9047-06	3/8	2	0.77	3,925	15,700	1.125	5.50	0.52
MH9047-08	1/2	2	0.97	3,620	14,480	1.500	7.50	0.76
MH9047-12	3/4	2	1.50	3,555	14,220	2.125	8.50	1.60
MH9047-16	1	2	1.80	2,810	11,240	2.750	10.00	2.06
MH9047-20	1 1/4	2	2.04	2,500	10,000	3.750	11.50	2.90
MH9047-24	1 1/2	2	2.34	2,220	8,880	5.000	13.00	3.60
MH9047-32	2	2	2.95	1,680	6,720	6.750	15.00	4.60
MH9047-48	3	2	4.04	1,475	5,900	9.000	21.00	7.33
MH9047-64	4	2	5.21	1,225	4,900	11.500	27.00	13.81
MH9047-80	5	3	6.34	1,200	4,800	14.000	32.00	16.81
MH9047-96	6	3	7.87	950	3,800	17.000	37.00	22.21
MH9047-128	8	3	9.87	875	3,500	22.000	46.00	32.42
MH9047-160	10	3	11.93	750	3,000	26.000	56.00	45.42
MH9047-192	12	3	14.44	525	2,100	32.000	62.00	50.43

NOTES: Table dimensions are nominal. Pressure and vacuum ratings may change according to end connections.

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High Pressure | Annular Construction Stainless Steel Hose



CONSTRUCTION:

- 316L SS Annular Construction
Corrugated Metal Core
- Single, Double, or Triple Layer 304
or 316L SS Braid

FEATURES:

- Heavy Wall Core
- Heavy Braid Design
- Medium Flexibility

OPERATING TEMP:

- Cryogenic to +800°F

APPLICATION:

MH9053 is a heavy duty metal hose designed for high pressure applications and longer resistance to chemical corrosion.

HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	BRAID CONSTRUCTION	BRAID COVERAGE	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90530-04		0	0.50			180	-			0.09
MH90531-04	1/4	1	0.57	24 x 5 x .014	89%	2,562	10,250	2.50	5.00	0.17
MH90532-04		2	0.64			4,099	16,400			0.26
MH90530-06		0	0.67			100	-			0.13
MH90531-06	3/8	1	0.74	24 x 7 x .014	91%	1,501	6,004	2.75	5.50	0.25
MH90532-06		2	0.81			2,401	9,604			0.36
MH90530-08		0	0.82			80	-			0.39
MH90531-08	1/2	1	0.92	24 x 7 x .020	96%	2,194	8,777	4.00	8.00	0.63
MH90532-08		2	1.02			3,510	14,040			0.87
MH90530-12		0	1.21			70	-			0.48
MH90531-12	3/4	1	1.31	36 x 6 x .020	92%	1,311	5,244	4.00	8.00	0.79
MH90532-12		2	1.41			2,098	8,392			1.10
MH90530-16		0	1.50			40	-			0.79
MH90531-16	1	1	1.60	36 x 8 x .020	95%	1,069	4,276	4.50	9.00	1.20
MH90532-16		2	1.70			1,701	6,804			1.61

TABLE CONTINUED ON FOLLOWING PAGE



HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	BRAID CONSTRUCTION	BRAID COVERAGE	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90530-20		0	1.85			33	-			1.02
MH90531-20	1 1/4	1	1.97	48 x 6 x .025	95%	1,110	4,443	5.00	10.00	1.66
MH90532-20		2	2.10			1,776	7,040			2.30
MH90530-24		0	2.17			20	-			1.36
MH90531-24	1 1/2	1	2.30	48 x 7 x .025	95%	868	3,472	5.00	10.00	2.11
MH90532-24		2	2.43			1,388	5,552			2.86
MH90530-32		0	2.51			15	-			1.60
MH90531-32	2	1	2.64	48 x 9 x .025	95%	810	3,240	5.75	11.50	2.56
MH90532-32		2	2.76			1,296	5,184			3.52
MH90530-40		0	3.23			10	-			2.00
MH90531-40	2 1/2	1	3.36	72 x 7 x .025	96%	578	2,312	12.00	24.00	3.12
MH90532-40		2	3.49			925	3,700			3.30
MH90530-48		0	3.78			10	-			2.97
MH90531-48	3	1	3.91	72 x 9 x .025	88%	540	2,160	14.00	28.00	4.42
MH90532-48		2	4.03			864	3,456			5.87
MH90530-64		0	4.81			8	-			3.10
MH90531-64	4	1	4.93	72 x 9 x .025	89%	333	1,332	20.00	40.00	4.55
MH90532-64		2	5.05			533	2,132			6.00
MH90530-96		0	6.87			5	-			3.85
MH90531-96	6	1	7.10	96 x 13 x .025	89%	266	1,062	24.00	48.00	6.45
MH90532-96		2	7.33			425	1,700			9.05
MH90530-128		0	9.09			6	-	32.00	63.00	6.00
MH90531-128		1	9.19			234	934	32.00	63.00	10.00
MH90532-128		2	9.29	96 x 21 x .024	96%	450	1,800	24.00	46.00	18.00
MH90533-128		3	9.39			550	2,200	24.00	46.00	22.00

NOTES: Table dimensions are nominal. Pressure and vacuum ratings may change according to end connections.

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High Pressure | Annular Construction Stainless Steel Hose



CONSTRUCTION:

- 316L SS Annular Construction
Corrugated Metal Core
- Optional 300 Series SS Braid

FEATURES:

- Heavy Duty Construction
- Medium Flexibility
- Close Pitch Innercore

OPERATING TEMP:

- Cryogenic to +800°F

APPLICATION:

MH9054 is a heavy duty metal hose with a close pitch innercore, designed for extreme pressure applications and longer resistance to chemical corrosion.

HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	NOMINAL O.D. (IN)	BRAID CONSTRUCTION	BRAID COVERAGE	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH90540-04		0	0.50			180	-			0.20
MH90541-04	1/4	1	0.58	24 x 4 x .016	83%	2,754	11,017	6.00	12.00	0.28
MH90542-04		2	0.64			4,406	17,627			0.36
MH90540-06		0	0.67			100	-			0.31
MH90541-06	3/8	1	0.75	24 x 6 x .016	89%	1,921	7,682	6.00	12.00	0.43
MH90542-06		2	0.83			3,073	12,291			0.55
MH90540-08		0	0.82			80	-			0.40
MH90541-08	1/2	1	0.92	24 x 7 x .020	96%	2,194	8,777	7.00	14.00	0.58
MH90542-08		2	1.02			3,510	14,040			0.76
MH90540-12		0	1.22			70	-			0.65
MH90541-12	3/4	1	1.34	48 x 4 x .024	93%	1,994	7,980	7.50	15.00	0.92
MH90542-12		2	1.46			3,192	12,769			1.19
MH90540-16		0	1.52			40	-			1.02
MH90541-16	1	1	1.65	48 x 5 x .024	94%	1,599	6,397	8.00	16.00	1.48
MH90542-16		2	1.77			2,558	10,234			1.94
MH90540-20		0	1.85			25	-			1.56
MH90541-20	1 1/4	1	1.97	48 x 6 x .024	93%	1,317	5,270	9.00	18.00	2.02
MH90542-20		2	2.09			2,107	8,431			2.48
MH90540-24		0	2.19			20	-			2.01
MH90541-24	1 1/2	1	2.31	48 x 7 x .024	93%	1,062	4,247	9.50	19.00	2.65
MH90542-24		2	2.43			1,698	6,795			3.30
MH90540-32		0	2.51			15	-			2.43
MH90541-32	2	1	2.64	48 x 8 x .024	93%	842	3,368	12.00	24.00	3.17
MH90542-32		2	2.77			1,346	5,388			3.91

NOTES: Table dimensions are nominal. Pressure and vacuum ratings may change according to end connections.

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MH9065

Extreme Pressure | Annular Construction Stainless Steel Hose



CONSTRUCTION:

- 316L SS Annular Construction
Corrugated Metal Core
- Three or Four Layer of 304 SS
Braid

FEATURES:

- Extreme Pressure Rating
- Heavy Duty Construction
- Corrosion Resistant

OPERATING TEMP:

- Cryogenic to +1500°F

APPLICATION:

MH9065 is a heavy wall metal hose designed for extreme pressure applications and longer resistance to corrosion. The heavy duty braid allows for higher working pressures while providing maximum protection to the innercore.

HOSE PART NUMBER	HOSE SIZE (IN)	BRAID LAYERS	BRAID CONSTRUCTION	NOMINAL O.D. (IN)	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH9065-08	1/2	3	24 x 7 x .020	1.20	4,000	16,000	7.00	14.00	1.10
MH9065-12	3/4	3	48 x 4 x .024	1.65	5,000	20,000	7.50	15.00	2.00
MH9065-16	1	3	48 x 5 x .024	1.92	4,200	16,800	8.00	16.00	2.70
MH9065-24	1 1/2	3	48 x 7 x .024	2.55	2,750	11,000	12.00	24.00	4.15
MH9065-32	2	3	48 x 8 x .024	3.07	2,180	8,720	20.00	40.00	5.00
MH9065-48	3	3	72 x 9 x .025	4.22	1,250	5,000	32.00	84.00	8.70
MH9065-64	4	4	72 x 10 x .024	5.27	1,250	5,000	52.00	112.00	10.48

NOTES: Table dimensions are nominal. Pressure and vacuum ratings may change according to end connections.

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MH9031HD

Ultra-High Pressure | Helical Construction Stainless Steel Hose



CONSTRUCTION:

- Ultra-Heavy 321 SS Helical Construction Corrugated Metal Core
- Triple Layer 321 SS Braid

FEATURES:

- Ultra-High Pressure Rating
- Wide Temperature Range
- Self-Draining

OPERATING TEMP:

- Cryogenic to +1500°F

APPLICATION:

The ultra-heavy duty construction of this hose makes it the ultimate choice for the most demanding high pressure applications. Helical innercore provides easy draining capabilities.

HOSE PART NUMBER	HOSE SIZE (IN)	NOMINAL O.D. (IN)	MIN LIVE LENGTH (IN)	MAX OPERATING PRESSURE (PSI)	BURST PRESSURE (PSI)	STATIC BEND RADIUS (IN)	DYNAMIC BEND RADIUS (IN)	HOSE WEIGHT (LBS/FT)
MH9031HD-04	1/4	0.68	6.00	12,000	48,000	2.50	11.50	0.62
MH9031HD-06	3/8	0.90	7.00	9,000	36,000	3.75	15.00	0.97
MH9031HD-08	1/2	1.04	8.00	8,500	34,000	4.50	16.50	1.34
MH9031HD-12	3/4	1.52	9.00	6,800	27,200	6.50	30.50	2.56
MH9031HD-16	1	1.93	10.00	6,250	25,000	9.00	35.00	3.69
MH9031HD-20	1 1/4	2.15	12.00	5,500	22,000	10.00	38.00	5.08
MH9031HD-24	1 1/2	2.54	14.00	5,200	20,800	12.00	41.00	6.63
MH9031HD-32	2	3.04	18.00	4,350	17,400	15.00	48.00	8.07
MH9031HD-48	3	4.06	24.00	3,000	12,000	25.00	TBD	14.81

NOTES: Only available as assemblies. All welds in assemblies must be radiographed and fluorescent penetrant tested. Table dimensions are nominal. Pressure and vacuum ratings may change according to end connections.

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