

Tuftex MH1; MH2; and MH3 – This material handling hose is designed for gravity or positive and negative pressure applications in bulk material handling. All types are constructed with excellent abrasive resistant materials. Three types of MH hose are available which lets you select the one that best fits your application.

Construction Type MH (Material Handling)

MH Type 1

- A. Spring steel wire helix support.
- B. Single-ply synthetic fabric reinforcement.
- C. Abrasive-resistant rubber tube .062 inch thick.
- D. Abrasive-resistant rubber cover.

MH Type 2

- A. Spring steel wire helix support.
- B. Single-ply synthetic fabric reinforcement.
- C. Abrasive-resistant rubber tube .125 inch thick.
- D. Thick abrasive-resistant rubber cover.

MH Type 3

- A. Spring steel wire helix support.
- B. Double-ply synthetic fabric reinforcement.
- C. Abrasive-resistant rubber tube .250 inch thick.
- D. Thick abrasive-resistant rubber cover.

MH1 (Light Duty)*

Inside Diameter (inches)	3	4	5	6	7	8	9	10	11	12
Weight (lbs./ft.)	1.5	2.0	2.2	2.25	3.0	3.5	4.0	4.5	5.0	6.0
Inside Bend Radius (inches)	5	6	7	8	10	11	12	13	14	15
Length Required for 180° Bend (inches)	26	28	30	37	44	50	57	63	69	75
Minimum Burst Pressure (psig)	100	85	66	47	44	41	33	29	24	22
Internal Working Pressure (psig)	33	28	22	16	14	13	11	10	8	7
Crush Resistance (lbs./ft.)	1300	1500	1000	780	680	605	590	615	750	700
Negative Vacuum to Collapse (inches of hg.)	27	27	24	20	15	12	10	7	6	6
Operating Temperature Range	-40°F to +280°F									

MH2 (Medium Duty)*

Inside Diameter (inches)	3	4	5	6	7	8	9	10	11	12
Weight (lbs./ft.)	1.5	2.5	3.0	3.5	4.0	4.5	5.5	6.0	6.5	7.0
Inside Bend Radius (inches)	5	7	9	11	12.5	13	15	16	17	18
Length Required for 180° Bend (inches)	33	40	50	59	66	72	78	84	91	97
Minimum Burst Pressure (psig)	110	90	75	65	55	45	43	40	37	35
Internal Working Pressure (psig)	36	30	25	22	18	15	14	13	12	11
Crush Resistance (lbs./ft.)	1300	1550	1100	860	715	790	875	770	750	700
Negative Vacuum to Collapse (inches of hg.)	27	27	25	22	18	14	13	13	12	12
Operating Temperature Range	-40°F to +280°F									

MH3 (Heavy Duty)*

Inside Diameter (inches)	3	4	5	6	7	8	9	10	11	12
Weight (lbs./ft.)	2	3	3.5	4.25	5	6.25	7.5	8.5	10.5	12.5
Inside Bend Radius (inches)	8	11	13	14	15	16	17	18	19	20
Length Required for 180° Bend (inches)	38	48	55	61	67	73	80	88	92	99
Minimum Burst Pressure (psig)	185	175	156	138	119	100	83	70	52	40
Internal Working Pressure (psig)	61	58	51	45	39	33	27	25	17	13
Crush Resistance (lbs./ft.)	1600	1550	1100	1050	1000	900	875	770	780	700
Negative Vacuum to Collapse (inches of hg.)	27	27	27	24	21	20	19	18	17	15
Operating Temperature Range	-40°F to +280°F									

* Tuftex Type MH1, MH2 and MH3 are normally available in 20 foot lengths, however these products can be ordered in a range of diameter sizes and lengths.