



Material Handling Hose

Master-Flex® 400

(Specification 7744)

Nom. I.D.	⊖	Nom. O.D.	⊕	Max. W.P.*	⊕	Suction*	⊖	Min. Bend Radius	⊕	Wt. Per Ft.	⊕	Standard Pack	Stock (X) or Minimum Order Qty.	Gates Item No.	List Price Per Ft.
(In.)	(mm)	(In.)	(mm)	(psi)	(MPa)	(In. Hg)	(mm Hg)	(In.)	(mm)	(Lbs.)	(Kg)				
1 1/2	38.1	1.88	47.8	40	.28	28.0	711	3.0	76	.38	.17	100 ft.	X	7744-6102	\$9.29
2	50.8	2.41	61.2	35	.24	28.0	711	4.0	102	.54	.25	100 ft.	X	7744-6103	13.35
2 1/2	63.5	2.98	75.7	35	.24	28.0	711	5.0	127	.77	.35	100 ft.	X	7744-6104	18.18
3	76.2	3.87	98.3	30	.21	28.0	711	6.0	152	1.05	.48	100 ft.	X	7744-6105	23.75
4	101.6	4.65	118.1	30	.21	28.0	711	8.0	203	1.70	.77	100 ft.	X	7744-6106	40.71
5	127.0	5.77	146.6	30	.21	28.0	711	9.0	229	2.40	1.09	100 ft.	1,000 ft.	7744-6107	63.32
6	152.4	6.86	174.2	25	.17	28.0	711	12.0	305	3.21	1.46	100 ft.	X	7744-6108	73.05
8	203.2	9.10	231.1	25	.17	28.0	711	16.0	406	5.77	2.62	50 ft.	X	7744-6209	83.42

NOTE: * Working Pressure and Suction at +72°F (+22°C).

RECOMMENDED FOR: Transfer of bulk materials via suction, pneumatic or gravity systems where abrasion resistance is the primary requirement and a static conductive hose is needed. Can also be used for vacuum or ducting service.

TEMPERATURE: -30°F to +140°F (-34°C to +60°C) continuous service.

CONSTRUCTION: **Tube:** Type C (Nitrile) blend. Static conductive.
Type D (SBR).

Reinforcement: Rigid PVC helix. Black.

Cover: Type G (PVC). Black with gray helix. Corrugated.

Design Factor: 3:1

COUPLINGS: 1, 6, 7, 49 or 78. Reference the Hose Coupling Section.

PACKAGING: All lengths coiled and wrapped in polyethylene.

BRANDING: Unlabeled.

SPECIAL ORDER REQUIREMENTS: Special production runs require minimum order quantities of 1,000 feet per size. No deviations allowed to above product.

REMNANT LENGTHS: None.

STANDARDS: **Tube:** ARPM (Class B) Medium oil resistance.

ACID-
CHEMICAL

AIR AND
MULTI-
PURPOSE

FOOD AND
BEVERAGE

MARINE

MATERIAL
HANDLING

MINING

OILFIELD

PETROLEUM
TRANSFER

PRESSURE
WASHER

STEAM

WATER

CLAMPS

COUPLINGS
AND
FERRULES

HOSE FINDER

CHEMICAL
RESISTANCE
TABLE



Powering Progress.

gates.com/industrialhose