

MANIFATTURA TUBI GOMMA S.p.A.

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APPLICATION

- Air suction hose used for ventilation systems or as flexible connection between filter and prefilter or between filter and air intake manifold of combustion engines.
- Also suitable for other applications requiring very flexible rubber hoses. It is especially used as flexible connection in ventilation systems on board of railway and tramway vehicles.

CONSTRUCTION

- Hose manufactured with MTG rubber code 46N.

TUBE

- NR rubber, black, corrugated.

REINFORCEMENT

- Plies of synthetic cord.
- Embedded steel helix wire.

COVER

- CR rubber, self-extinguishing, corrugated, black colour, resistant to ozone, weather and contact with fats and mineral oils.

COVER STANDARDS

- UNI EN 45545-2:2015 (fire testing of materials and components for trains): HL2 for R22 and HL3 for R23.
- UNI CEI 11170-3/05 (Reaction to fire): complies with all risk levels up to LR4 included.
- ASTM C 542 and CEI 20-35 (Flame retardant).
- NF X 10-702 - 1 and 2 (Low opacity of fumes).
- NF X 70-100 - 1 and 2 (Low toxicity of gases).
- EN 11925-2/2005 (fire reaction with a single ignition source).

TEMPERATURE RANGE

- From -30°C to +120°C.

FITTING

- By means of clamps, standard collars or other systems needed by the equipment manufacturers.

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: Inner diameter: ISO 1307 - Wall Thickness: DIN 7715 T4 S2 - Length: ISO 1307

Inner Diameter mm	Outer diameter mm	Wall thickness mm	Working pressure BAR	Burst pressure BAR	Vacuum BAR	Min. bending radius mm	Approx. weight kg/m	Max. length m
38	46	4.0	-	-	-0.5	20	0.52	12
50	58	4.0	-	-	-0.5	25	0.69	12
57	65	4.0	-	-	-0.5	30	0.84	12
63.5	72.5	4.5	-	-	-0.4	30	1.05	12
70	79	4.5	-	-	-0.4	35	1.15	12
80	89	4.5	-	-	-0.4	40	1.31	12
90	100	5.0	-	-	-0.4	45	1.46	12
102	112	5.0	-	-	-0.3	50	1.73	12
110	120	5.0	-	-	-0.3	55	1.87	12
127	139	6.0	-	-	-0.3	65	2.26	12
140	152	6.0	-	-	-0.3	70	2.70	12
152	164	6.0	-	-	-0.3	75	3.04	12
180	192	6.0	-	-	-0.3	90	3.96	12
203	215	6.0	-	-	-0.3	100	4.35	12

Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data refer to application at room temperature (+20°C). Other sizes and colours are available upon request. Please contact our Sales Department.