

# VULCANIZED PRODUCTS FOR TEMPERATURES UP TO +600°F



## MASTER-SIL 2 NOMEX

### Material

**hose wall:** silicon coated glass fabric inner layer, silicon coated Nomex outer layer

**spiral:** spring steel wire

**cord:** Aramid cord

### Applications

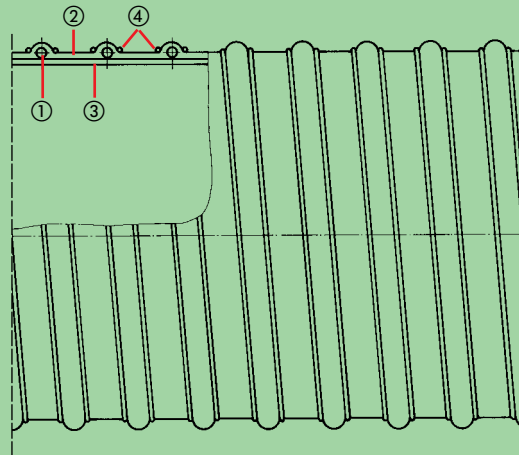
- guiding of air or gaseous media with high gas or environmental temperatures
- vehicle industry
- aircraft industry
- ship building industry
- general engineering and engine construction
- chemical industry
- plastics production
- hot air hose for granule dryers

### Properties

- highly flexible
- lightweight
- small bend radius
- symmetrical bending
- kink-proof
- good chemical resistance
- immovable vulcanized wall and spring steel spiral
- excellent flex fatigue resistance
- excellent abrasion resistance
- very durable
- good tear & puncture resistance

### Construction

- ① spring steel spiral
- ② outer layer: silicon-coated Nomex
- ③ inner layer: silicon-coated glass fabric
- ④ Aramid cord



### Temperature Range

- -75°F up to +600°F
- intermittent to +660°F
- Exhaust gas temperatures up to +600°F, short times up to +660°F when exhaust gas funnels are used properly and enough fresh air is utilized

### Chem. Resistance

see resistance table

Technical Data, custom designs and forms of delivery see back page



**Masterduct**  
Member of the Masterflex-Group

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Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
1.00	1,125	260	0.60	0.1543	687-025-800
1.25	1,125	260	0.64	0.1745	687-032-800
1.50	1,045	240	0.72	0.2080	687-038-800
1.75	1,045	224	0.84	0.2281	687-044-800
2.00	1,045	208	0.96	0.2415	687-050-800
2.25	1,005	196	1.12	0.2885	687-057-800
2.50	965	184	1.24	0.3288	687-063-800
3.00	884	172	1.52	0.3892	687-075-800
3.50	804	160	1.76	0.4629	687-090-800
4.00	764	140	2.08	0.5166	687-100-800
4.50	643	116	2.28	0.5972	687-115-800
5.00	563	104	2.52	0.6576	687-125-800
6.00	482	68	3.00	0.8052	687-150-800
7.00	402	48	3.56	0.9729	687-175-800
8.00	281	36	4.00	1.0870	687-200-800
9.00	241	32	5.00	1.2749	687-225-800
10.00	201	28	6.00	1.4024	687-250-800
12.00	121	16	8.40	1.4359	687-300-800

## Delivery forms:

### Standard production:

- Dia. .1" - 12"
- Color red
- Production lengths 13' (1"-12")Dia.  
20' (2", 2.5", 3", 4", 5", 6", 8")Dia.

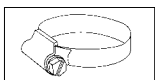
### Available on request:

- special spliced lengths
- with spiralfree sleeves

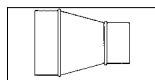
\* Referring to the inner side of the elbow of hose.

The above mentioned data refers to an average and ambient temperature of 68°F. Subject to technical changes and color variations. Please refer to technical data sheet when selecting hose.

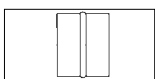
## Installation and connection possibilities:



hose clamp with  
worm wheel drive



hose reducer,  
symmetrical



hose connector