

SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +260°F



MASTER-CLIP NEOPRENE

Material

hose wall: neoprene-coated polyester fabric
external helix: galvanized steel

Applications

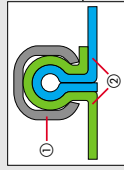
- transfer of hot or cold air
- air-conditioning/ventilation
- vehicle construction
- engine construction
- exhaust fumes equipment
- extraction of corrosive media
- chemical plants
- low pressure applications

Properties

- improved temperature resistance
- flame resistant
- good chemical resistance
- highly flexible
- extreme compressibility 1:6
- small bend radius
- vibration proof
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- ① external helix
- ② hose wall: neoprene-coated polyester fabric



Temperature Range

- -30°F up to +260°F
- intermittent to +300°F

Chem. Resistance

see resistance table register no. 15

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



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Masterduct
Member of the Masterflex-Group

MASTER-CLIP NEOPRENE

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
1.52	378	192	0.92	0.2684	220-038-107
1.60	374	188	0.96	0.2684	220-040-107
1.80	370	176	1.08	0.2684	220-045-107
2.00	362	160	1.20	0.2684	220-050-107
2.20	342	132	1.32	0.2684	220-055-107
2.40	313	111	1.44	0.3355	220-060-107
2.60	273	95	1.56	0.3355	220-065-107
2.80	269	82	1.68	0.3355	220-070-107
3.00	249	71	1.80	0.4026	220-075-107
3.20	245	62	1.92	0.4026	220-080-107
3.60	225	49	2.16	0.4026	220-090-107
4.00	205	40	2.40	0.4026	220-100-107
4.40	193	33	2.64	0.4697	220-110-107
4.80	145	28	2.88	0.4697	220-120-107
5.00	133	26	3.00	0.5368	220-125-107
5.20	113	24	3.12	0.5368	220-130-107
5.60	100	20	3.36	0.5368	220-140-107
6.00	88	18	3.60	0.6039	220-150-107
6.40	84	16	3.84	0.6039	220-160-107
6.80	76	14	4.08	0.6039	220-170-107
7.00	74	13	4.20	0.6710	220-175-107
7.20	69	12	4.32	0.6710	220-180-107
8.00	59	10	4.80	0.8052	220-200-107
8.60	51	9	6.04	0.8723	220-215-107
9.00	46	8	6.32	0.9394	220-225-107
10.00	40	6	7.00	1.0736	220-250-107
11.00	32	5	7.72	1.2749	220-275-107
12.00	28	4	8.40	1.4091	220-300-107
12.60	25	4	8.84	1.4091	220-315-107
13.00	24	4	9.12	1.4762	220-325-107
14.00	23	3	9.80	1.6775	220-350-107
14.60	20	3	10.52	1.9459	220-375-107
16.00	19	3	11.20	2.0801	220-400-107
18.00	18	2	14.40	2.4156	220-450-107
20.00	17	2	16.00	2.7511	220-500-107
22.00	17	1	17.60	3.0866	220-550-107
24.00	16	1	19.20	3.4221	220-600-107
28.00	12	1	22.40	4.0260	220-700-107
32.00	9	1	25.60	4.6299	220-800-107
36.00	6	1	28.80	5.2338	220-900-107

Delivery forms:

Standard production:

- Dia. 1.52" - 36"
 - Color black
 - Production lengths 10', 25'
- ### Available on request:
- special diameters
 - special colors
 - special lengths
 - custom design with other pitches and helix sizes
 - external helix also in stainless steel or aluminium
 - double and triple layer fabric available

* 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 (see section no. 11 and 12):



SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +350°F



7.2

MASTER-CLIP HYPALON

Material

hose wall: Hypalon-coated polyester fabric
external helix: galvanized steel

Applications

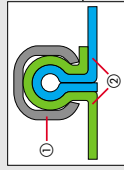
- ducting of hot and cold air
- granule dryers
- air condition
- low pressure applications
- standard hose for industry
- vehicle construction
- engine construction
- exhaust equipment
- extraction of aggressive media
- suction plants

Properties

- improved temperature resistance
- flame resistant
- excellent chemical resistance
- UV- and ozone-resistant
- highly flexible
- extreme compressibility 1:6
- small bend radius
- vibration proof
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- external helix
- hose wall: Hypalon-coated polyester fabric



Temperature Range

- 40°F up to +350°F
- intermittent to +375°F

Chem. Resistance

see resistance table register no. 15

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



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Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
1.52	378	192	0.92	0.2684	221-038-107
1.60	374	188	0.96	0.2684	221-040-107
1.80	370	176	1.08	0.2684	221-045-107
2.00	362	160	1.20	0.2684	221-050-107
2.20	342	132	1.32	0.2684	221-055-107
2.40	313	111	1.44	0.3355	221-060-107
2.60	273	95	1.56	0.3355	221-065-107
2.80	269	82	1.68	0.3355	221-070-107
3.00	249	71	1.80	0.4026	221-075-107
3.20	245	62	1.92	0.4026	221-080-107
3.60	225	49	2.16	0.4026	221-090-107
4.00	205	40	2.40	0.4026	221-100-107
4.40	193	33	2.64	0.4697	221-110-107
4.80	145	28	2.88	0.4697	221-120-107
5.00	133	26	3.00	0.5368	221-125-107
5.20	113	24	3.12	0.5368	221-130-107
5.60	100	20	3.36	0.5368	221-140-107
6.00	88	18	3.60	0.6039	221-150-107
6.40	84	16	3.84	0.6039	221-160-107
6.80	76	14	4.08	0.6039	221-170-107
7.00	74	13	4.20	0.6710	221-175-107
7.20	69	12	4.32	0.6710	221-180-107
8.00	59	10	4.80	0.8052	221-200-107
8.60	51	9	6.04	0.8723	221-215-107
9.00	46	8	6.32	0.9394	221-225-107
10.00	40	6	7.00	1.0736	221-250-107
11.00	32	5	7.72	1.2749	221-275-107
12.00	28	4	8.40	1.4091	221-300-107
12.60	25	4	8.84	1.4091	221-315-107
13.00	24	4	9.12	1.4762	221-325-107
14.00	23	3	9.80	1.6775	221-350-107
15.00	20	3	10.52	1.9459	221-375-107
16.00	19	3	11.20	2.0801	221-400-107
18.00	18	2	14.40	2.4156	221-450-107
20.00	17	2	16.00	2.7511	221-500-107
22.00	17	1	17.60	3.0866	221-550-107
24.00	16	1	19.20	3.4221	221-600-107
28.00	12	1	22.40	4.0260	221-700-107
32.00	9	1	25.60	4.6299	221-800-107
36.00	6	1	28.80	5.2338	221-900-107

* 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 (see section no. 11 and 12):



SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +350°F



7.3

MASTER-CLIP TEFLON H

Material

- hose wall: inner layer: PTFE-film
- outer layer: Hypalon-coated polyester fabric
- external helix: galvanized steel

Applications

- for increased mechanical performance
- extraction of solvents
- chemical plants
- paint mist exhaustion
- paint, wood and paper industries
- pharmaceutical industry
- low pressure applications

Properties

- excellent chemical resistance
- PTFE harmless to health
- heat and cold resistant
- excellent weather resistance
- UV and ozone resistant
- highly flexible
- extreme compressibility 1:4
- small bend radius
- vibration resistant
- outer hose wall of high strength material
- inner hose wall with non-stick surface
- optimum flow characteristics
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix



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MASTER-CLIP TEFLON H

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	362	176	1.20	0.3355	251-050-107
2.2	342	145	1.32	0.3355	251-055-107
2.4	313	122	1.44	0.4026	251-060-107
2.6	273	104	1.56	0.4697	251-065-107
2.8	269	90	1.68	0.4697	251-070-107
3.0	249	78	1.80	0.5368	251-075-107
3.2	245	69	1.92	0.5368	251-080-107
3.6	225	54	2.16	0.6039	251-090-107
4.0	205	44	2.40	0.6710	251-100-107
4.4	193	37	2.64	0.7381	251-110-107
4.8	145	31	2.88	0.7381	251-120-107
5.0	133	28	3.00	0.8052	251-125-107
5.2	113	26	3.12	0.8052	251-130-107
5.6	100	23	3.36	0.8723	251-140-107
6.0	88	20	3.60	0.8723	251-150-107
6.4	84	17	3.84	0.8723	251-160-107
6.8	76	16	4.08	0.9394	251-170-107
7.0	74	15	4.20	0.9394	251-175-107
7.2	69	14	4.32	0.9394	251-180-107
8.0	59	11	4.80	1.0736	251-200-107
8.6	51	10	6.04	1.2078	251-215-107
9.0	46	9	6.32	1.3420	251-225-107
10.0	40	7	7.00	1.4091	251-250-107
11.0	32	6	7.72	1.5433	251-275-107
12.0	28	5	8.40	1.6104	251-300-107
12.6	25	4	8.84	1.7446	251-315-107
13.0	24	4	9.12	1.8788	251-325-107
14.0	23	4	9.80	2.2143	251-350-107
15.0	20	3	10.52	2.3485	251-375-107
16.0	19	3	11.20	2.5498	251-400-107
18.0	18	2	14.40	2.8182	251-450-107
20.0	17	2	16.00	3.1537	251-500-107
22.0	17	2	17.60	3.5563	251-550-107
24.0	16	1	19.20	3.9589	251-600-107
28.0	12	1	22.40	4.6299	251-700-107
32.0	9	1	25.60	5.0996	251-800-107
36.0	6	1	28.80	5.5022	251-900-107

* 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 (see section no. 11 and 12):



SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +350°F



7.4

MASTER-CLIP TEFLON H-EC

Material

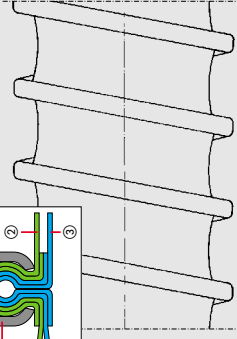
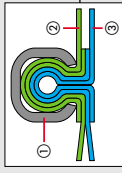
- hose wall: inner layer: PTFE-film, electrically conductive; outer layer: Hypalon-coated polyester fabric
- external helix: galvanized steel

Applications

- dangerous areas, where electrical conductivity is demanded
- under increased mechanical stress
- extraction of comsive and explosive gases and fumes
- chemical plants
- paint, wood and paper industries
- extraction of solvents
- pharmaceutical industry
- low pressure applications
- excellent chemical resistance
- optimum flow characteristics
- heat and cold resistant, excellent weather resistance
- UV and ozone resistant
- highly flexible and vibration proof
- extreme compressibility 1:4
- small bend radius
- PTFE-film: surface resistivity $RO = 10^9$ Ohm
- outer hose wall of extra strength material
- inner hose wall with non-stick surface
- PTFE harmless to health
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- external helix
- outer layer: Hypalon-coated polyester fabric electrically conductive
- inner layer: PTFE-film, electrically conductive



Temperature Range

- 40°F up to +350°F
- intermittent to +375°F

Chem. Resistance

see resistance table register no. 15

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



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MASTER-CLIP TEFLON H-EC

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	362	176	1.20	0.3355	261-050-107
2.2	342	145	1.32	0.3355	261-055-107
2.4	313	122	1.44	0.4026	261-060-107
2.6	273	104	1.56	0.4697	261-065-107
2.8	269	90	1.68	0.4697	261-070-107
3.0	249	78	1.80	0.5368	261-075-107
3.2	245	69	1.92	0.5368	261-080-107
3.6	225	54	2.16	0.6039	261-090-107
4.0	205	44	2.40	0.6710	261-100-107
4.4	193	37	2.64	0.7381	261-110-107
4.8	145	31	2.88	0.7381	261-120-107
5.0	133	28	3.00	0.8052	261-125-107
5.2	113	26	3.12	0.8052	261-130-107
5.6	100	23	3.36	0.8723	261-140-107
6.0	88	20	3.60	0.8723	261-150-107
6.4	84	17	3.84	0.8723	261-160-107
6.8	76	16	4.08	0.9394	261-170-107
7.0	74	15	4.20	0.9394	261-175-107
7.2	69	14	4.32	0.9394	261-180-107
8.0	59	11	4.80	1.0736	261-200-107
8.6	51	10	6.04	1.2078	261-215-107
9.0	46	9	6.32	1.3420	261-225-107
10.0	40	7	7.00	1.4091	261-250-107
11.0	32	6	7.72	1.5433	261-275-107
12.0	28	5	8.40	1.6104	261-300-107
12.6	25	4	8.84	1.7446	261-315-107
13.0	24	4	9.12	1.8788	261-325-107
14.0	23	4	9.80	2.2143	261-350-107
15.0	20	3	10.52	2.3485	261-375-107
16.0	19	3	11.20	2.5498	261-400-107
18.0	18	2	14.40	2.8182	261-450-107
20.0	17	2	16.00	3.1537	261-500-107
22.0	17	2	17.60	3.5563	261-550-107
24.0	16	1	19.20	3.9589	261-600-107
28.0	12	1	22.40	4.6299	261-700-107
32.0	9	1	25.60	5.0996	261-800-107
36.0	6	1	28.80	5.5022	261-900-107

* 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 (see section no. 11 and 12):



SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +410°F



MASTER-CLIP VITON

Material

hose wall: Viton-coated polyester fabric
external helix: galvanized steel

Applications

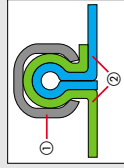
- extraction of aggressive media at medium temperatures
- low pressure applications
- chemical plants
- paint-spray extraction

Properties

- high temperature resistance
- excellent chemical resistance
- UV- and ozone-resistant
- kink-proof
- highly flexible
- extreme compressibility 1/6
- small bend radius
- vibration proof
- tear resistant
- smooth inner hose wall
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- ① hose wall: Viton-coated polyester fabric
- ② hose helix



Temperature Range

- -15°F up to +410°F
- intermittent to +465°F

Chem. Resistance

see resistance table
register no. 15

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



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1.52	378	192	0.92	0.2684	222-038-119
1.60	374	188	0.96	0.2684	222-040-119
1.80	370	176	1.08	0.2684	222-045-119
2.00	362	160	1.20	0.2684	222-050-119
2.20	342	132	1.32	0.2684	222-055-119
2.40	313	111	1.44	0.3355	222-060-119
2.60	273	95	1.56	0.3355	222-065-119
2.80	269	82	1.68	0.3355	222-070-119
3.00	249	71	1.80	0.4026	222-075-119
3.20	245	62	1.92	0.4026	222-080-119
3.60	225	49	2.16	0.4026	222-090-119
4.00	205	40	2.40	0.4026	222-100-119
4.40	193	33	2.64	0.4697	222-110-119
4.80	145	28	2.88	0.4697	222-120-119
5.00	133	26	3.00	0.5368	222-125-119
5.20	113	24	3.12	0.5368	222-130-119
5.60	100	20	3.36	0.5368	222-140-119
6.00	88	18	3.60	0.6039	222-150-119
6.40	84	16	3.84	0.6039	222-160-119
6.80	76	14	4.08	0.6039	222-170-119
7.00	74	13	4.20	0.6710	222-175-119
7.20	69	12	4.32	0.6710	222-180-119
8.00	59	10	4.80	0.8052	222-200-119
8.60	51	9	6.04	0.8723	222-215-119
9.00	46	8	6.32	0.9394	222-225-119
10.00	40	6	7.00	1.0736	222-250-119
11.00	32	5	7.72	1.2749	222-275-119
12.00	28	4	8.40	1.4091	222-300-119
12.60	25	4	8.84	1.4091	222-315-119
13.00	24	4	9.12	1.4762	222-325-119
14.00	23	3	9.80	1.6775	222-350-119
15.00	20	3	10.52	1.9459	222-375-119
16.00	19	3	11.20	2.0801	222-400-119
18.00	18	2	14.40	2.4156	222-450-119
20.00	17	2	16.00	2.7511	222-500-119
22.00	17	1	17.60	3.0866	222-550-119
24.00	16	1	19.20	3.4221	222-600-119
28.00	12	1	22.40	4.0260	222-700-119
32.00	9	1	25.60	4.6299	222-800-119
36.00	6	1	28.80	5.2338	222-900-119

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

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Installation and connection possibilities (see section no. 11 and 12):



SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +480°F



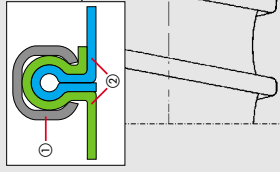
7.6

MASTER-CLIP TEFLON

Material
 hose wall: both sides PTFE-coated glass fabric
 external helix: galvanized steel

- Applications**
- extraction of corrosive media
 - chemical plants
 - paint mist exhaustion
 - paint, wood and paper industries
 - extraction of solvents
 - pharmaceutical industry
 - low pressure applications

Construction
 ① hose wall: on both sides PTFE-coated glass fabric
 ② external helix



Temperature Range
 ● -235°F: up to +480°F
 ● intermittent to +520°F

Chem. Resistance
 see resistance table
 register no. 15

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

- Properties**
- excellent chemical resistance
 - PTFE harmless to health
 - heat and cold resistant
 - excellent weather resistance
 - highly flexible
 - extreme compressibility 1/6
 - small bend radius
 - outer hose wall of extra strength material
 - hose wall with non-stick surface
 - optimum flow characteristics
 - external steel helix protects against abrasion
 - special clamping method guarantees high tensile strength between hose material and external helix



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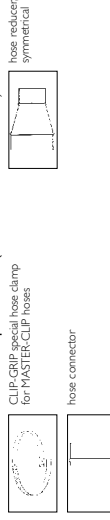
MASTER-CLIP TEFLON

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
1.6	362	144	0.96	0.2684	250-040-113
1.8	350	136	1.08	0.2684	250-045-113
2.0	342	128	1.20	0.2684	250-050-113
2.2	313	106	1.32	0.2684	250-055-113
2.4	273	89	1.44	0.3355	250-060-113
2.6	237	76	1.56	0.3355	250-065-113
2.8	213	64	1.68	0.3355	250-070-113
3.0	189	56	1.80	0.4026	250-075-113
3.2	173	50	1.92	0.4026	250-080-113
3.6	143	40	2.16	0.4026	250-090-113
4.0	121	32	2.40	0.4026	250-100-113
4.4	104	26	2.64	0.4026	250-110-113
4.8	90	22	2.88	0.4697	250-120-113
5.0	84	20	3.00	0.4697	250-125-113
5.2	79	19	3.12	0.4697	250-130-113
5.6	70	16	3.36	0.5368	250-140-113
6.0	63	14	3.60	0.5368	250-150-113
6.4	56	12	3.84	0.6039	250-160-113
6.8	51	11	4.08	0.6039	250-170-113
7.0	49	10	4.20	0.6710	250-175-113
7.2	47	10	4.32	0.6710	250-180-113
8.0	40	8	4.80	0.7381	250-200-113
8.6	35	7	6.04	0.8052	250-215-113
9.0	33	6	6.32	0.8723	250-225-113
10.0	28	5	7.00	0.9394	250-250-113
11.0	24	4	7.72	1.1407	250-275-113
12.0	21	4	8.40	1.2749	250-300-113
12.6	19	3	8.84	1.3420	250-315-113
13.0	18	3	9.12	1.4091	250-325-113
14.0	16	3	9.80	1.5433	250-350-113
15.0	14	2	10.52	1.8117	250-375-113
16.0	13	2	11.20	1.9459	250-400-113
18.0	11	2	14.40	2.3485	250-450-113
20.0	9	1	16.00	2.6169	250-500-113
22.0	8	1	17.60	2.9524	250-550-113
24.0	7	1	19.20	3.2879	250-600-113
28.0	6	1	22.40	3.8918	250-700-113
32.0	4	1	25.60	4.4957	250-800-113
36.0	4	1	28.80	5.0996	250-900-113

* 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 (see section no. 11 and 12):



SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +480°F



MASTER-CLIP TEFLON S

Material

- hose wall: PTFE-film
- inner layer: silicone-coated glass fabric
- outer layer: PTFE-film
- external helix: galvanized steel

Applications

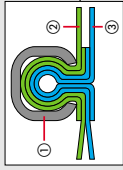
- extraction of corrosive media
- chemical plants
- paint, mist, exhaustion
- paint, wood and paper industries
- extraction of solvents
- pharmaceutical industry
- low pressure applications

Properties

- excellent chemical resistance
- PTFE harmless to health
- heat and cold resistant
- excellent weather resistance
- highly flexible
- extreme compressibility 1:6
- small bend radius
- outer hose wall of extra strength material
- hose wall with non-stick surface
- optimum flow characteristics
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- external helix
- outer layer: silicone-coated glass fabric
- inner layer: PTFE-film



Temperature Range

- 90°F up to +480°F
- intermittent to +520°F

Chem. Resistance

see resistance table register no. 15

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



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MASTER-CLIP TEFLON S

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	342	141	1.20	0.3355	252-050-116
2.2	313	117	1.32	0.3355	252-055-116
2.4	273	98	1.44	0.4026	252-060-116
2.6	237	84	1.56	0.4697	252-065-116
2.8	213	70	1.68	0.4697	252-070-116
3.0	189	62	1.80	0.5368	252-075-116
3.2	173	55	1.92	0.5368	252-080-116
3.6	143	44	2.16	0.6039	252-090-116
4.0	121	35	2.40	0.6710	252-100-116
4.4	104	29	2.64	0.7381	252-110-116
4.8	90	25	2.88	0.7381	252-120-116
5.0	84	22	3.00	0.8052	252-125-116
5.2	79	21	3.12	0.8052	252-130-116
5.6	70	18	3.36	0.8723	252-140-116
6.0	63	16	3.60	0.8723	252-150-116
6.4	56	14	3.84	0.8723	252-160-116
6.8	51	12	4.08	0.9394	252-170-116
7.0	49	12	4.20	0.9394	252-175-116
7.2	47	11	4.32	0.9394	252-180-116
8.0	40	9	4.80	1.0736	252-200-116
8.6	35	8	6.04	1.2078	252-215-116
9.0	33	7	6.32	1.3420	252-225-116
10.0	28	6	7.00	1.4091	252-250-116
11.0	24	5	7.72	1.5433	252-275-116
12.0	21	4	8.40	1.6104	252-300-116
12.6	19	4	8.84	1.7446	252-315-116
13.0	18	3	9.12	1.8788	252-325-116
14.0	16	3	9.80	2.2143	252-350-116
15.0	14	3	10.52	2.3485	252-375-116
16.0	13	2	11.20	2.5498	252-400-116
18.0	11	2	14.4	2.8182	252-450-116
20.0	9	1	16.00	3.1537	252-500-116
22.0	8	1	17.60	3.5563	252-550-116
24.0	7	1	19.20	3.9589	252-600-116
28.0	6	1	22.40	4.6299	252-700-116
32.0	4	1	25.60	5.0996	252-800-116
36.0	4	1	28.80	5.5022	252-900-116

* 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 (see section no. 11 and 12):



SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +480°F



MASTER-CLIP TEFLON S-EC

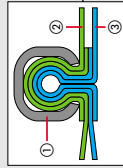
Material
 hose wall: inner layer: PTFE-film,
 electrically conductive, outer
 layer: silicone-coated glass fabric
 external helix: galvanized steel

Applications
 ● dangerous areas, where
 electrical conductivity is
 demanded

- extraction of comsive and explosive gases and fumes
- under increased mechanical performance and higher temperature
- chemical plants
- paint mist exhaustion
- pant, wood and paper industries
- extraction of solvents
- pharmaceutical industry
- low pressure applications

Construction

- 1 external helix
- 2 outer layer: silicone-coated glass fabric
- 3 inner layer: PTFE-film



Temperature Range

- -90°F up to +480°F
- intermittent to +520°F

Chem. Resistance

see resistance table
 register no. 15

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



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MASTER-CLIP TEFLON S-EC

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	342	141	1.20	0.3355	262-050-216
2.2	313	117	1.32	0.3355	262-055-216
2.4	273	98	1.44	0.4026	262-060-216
2.6	237	84	1.56	0.4697	262-065-216
2.8	213	70	1.68	0.4697	262-070-216
3.0	189	62	1.80	0.5368	262-075-216
3.2	173	55	1.92	0.5368	262-080-216
3.6	143	44	2.16	0.6039	262-090-216
4.0	121	35	2.40	0.6710	262-100-216
4.4	104	29	2.64	0.7381	262-110-216
4.8	90	25	2.88	0.7381	262-120-216
5.0	84	22	3.00	0.8052	262-125-216
5.2	79	21	3.12	0.8052	262-130-216
5.6	70	18	3.36	0.8723	262-140-216
6.0	63	16	3.60	0.8723	262-150-216
6.4	56	14	3.84	0.8723	262-160-216
6.8	51	12	4.08	0.9394	262-170-216
7.0	49	12	4.20	0.9394	262-175-216
7.2	47	11	4.32	0.9394	262-180-216
8.0	40	9	4.80	1.0736	262-200-216
8.6	35	8	6.04	1.2078	262-215-216
9.0	33	7	6.32	1.3420	262-225-216
10.0	28	6	7.00	1.4091	262-250-216
11.0	24	5	7.72	1.5433	262-275-216
12.0	21	4	8.40	1.6104	262-300-216
12.6	19	4	8.84	1.7446	262-315-216
13.0	18	3	9.12	1.8788	262-325-216
14.0	16	3	9.80	2.2143	262-350-216
15.0	14	3	10.52	2.3485	262-375-216
16.0	13	2	11.20	2.5498	262-400-216
18.0	11	2	14.40	2.8182	262-450-216
20.0	9	1	16.00	3.1537	262-500-216
22.0	8	1	17.60	3.5563	262-550-216
24.0	7	1	19.20	3.9589	262-600-216
28.0	6	1	22.40	4.6299	262-700-216
32.0	4	1	25.60	5.0996	262-800-216
36.0	4	1	28.80	5.5022	262-900-216

Delivery forms:
 Standard production:
 ● Dia. 2" - 36"

- Color: inside black outside silverygrey
 - Production lengths 20', 25'
- Available on request:**
 ● special diameters
 ● special lengths
 ● custom design with other pitches and helix sizes
 ● external helix also in stainless steel or aluminium

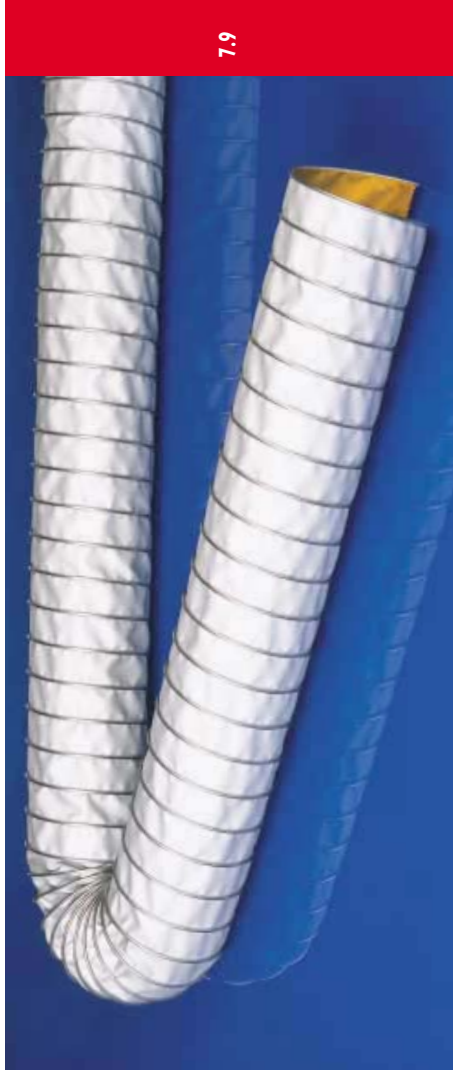
* Referring to the inner side of the elbow of hose.

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 (see section no. 11 and 12):



SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +480°F



MASTER-CLIP KAPTON

Material

- hose wall: one-side KAPTON-laminated glass fabric
- external helix: galvanized steel

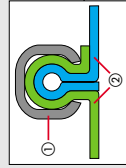
Applications

- fume extraction in pressure applications
- vehicle and engine construction
- exhaust-fume extraction from high performance test beds in the motor vehicle industries
- gas-tight in low and high pressure applications
- good vacuum resistance
- very high temperature resistance
- flame resistant, non melting KAPTON-coating
- external steel helix protects against abrasion
- extremely flexible
- compressibility 1:4
- small bend radius
- excellent resistance to chemicals

- (similar resistance as MASTER-CLIP TEFLON hoses but in a much wider temperature range)
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- external helix
- hose wall: one side KAPTON-laminated glass fabric



Temperature Range

- 435°F up to +750°F

Chem. Resistance

see resistance table section no. 15

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



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MASTER-CLIP KAPTON

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	362	150	1.20	0.5368	253-050-110
2.2	328	133	1.32	0.5368	253-055-110
2.4	281	121	1.44	0.5368	253-060-110
2.6	251	114	1.56	0.6039	253-065-110
2.8	221	100	1.68	0.6039	253-070-110
3.0	201	97	1.80	0.6039	253-075-110
3.2	181	87	1.92	0.6710	253-080-110
3.6	161	79	2.16	0.6710	253-090-110
4.0	141	64	2.40	0.6710	253-100-110
4.4	121	53	2.64	0.7381	253-110-110
4.8	113	45	2.88	0.7381	253-120-110
5.0	109	40	3.00	0.8723	253-125-110
5.2	105	38	3.12	0.8723	253-130-110
5.6	79	34	3.36	0.8723	253-140-110
6.0	69	29	3.60	0.9394	253-150-110
6.4	64	26	3.84	0.9394	253-160-110
6.8	64	22	4.08	0.9394	253-170-110
7.0	59	21	4.20	1.0736	253-175-110
7.2	53	20	5.04	1.0736	253-180-110
8.0	49	16	5.60	1.2078	253-200-110
8.6	47	15	6.04	1.3420	253-215-110
9.0	42	13	6.32	1.4762	253-225-110
10.0	39	11	7.00	1.6775	253-250-110
11.0	37	9	7.72	1.9459	253-275-110
12.0	33	7	8.40	2.1472	253-300-110
12.6	28	7	8.84	2.2143	253-315-110
13.0	25	7	9.12	2.3485	253-325-110
14.0	20	6	9.80	2.6169	253-350-110
15.0	16	5	12.00	2.9524	253-375-110
16.0	16	4	12.80	3.2879	253-400-110
18.0	12	3	14.40	3.8247	253-450-110
20.0	11	3	16.00	4.3615	253-500-110
22.0	10	2	17.60	4.8983	253-550-110
24.0	8	2	19.20	5.5022	253-600-110
28.0	6	2	22.40	6.4416	253-700-110
32.0	5	1	25.60	7.3810	253-800-110
36.0	4	1	28.80	8.3875	253-900-110

* 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 (see section no. 11 and 12):



SPECIAL HOSE CLAMP FOR MASTER-CLIP HOSES



CLIP-GRIP

Material

- clamp band: galvanized steel
- screw casing: galvanized steel
- bridge: galvanized steel

Applications

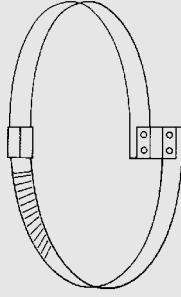
- special hose clamps for securing all types of hoses from the MASTER-CLIP series on mobile and stationary units

Properties

- rust resistant
- easy to install
- extra strength

Construction

- hose clamp with one or more worm drive(s)
- with a hexagon head screw
- with one or more spot-welded bridges



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



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CLIP-GRIP

For MASTER-CLIP hoses (Dia.)	Clamping range (in.)	Product code
1.52" thru 36"	1.52" thru 36"	530-038-100 thru 530-900-100

Note:

CLIP-GRIP worm drive hose clamps are only suitable for securing MASTER-CLIP hoses. We recommend our standard worm drive hose clamps or heavy duty bolted clamps for securing other spiral hoses.

Delivery forms:

Standard production:

- clamping ranges from 1.52" - 36.2"

Available on request:

- in stainless steel
- other clamping ranges
- reinforced clamps with additional bridges

HOSE CLAMP, BOLT CLAMP



HOSE CLAMP, BOLT CLAMP

Material
 clamp band: galvanized steel
 screws: galvanized steel

Applications

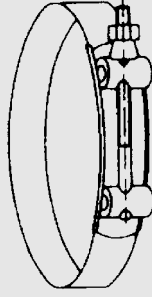
- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

Properties

- rust resistant
- extra strength
- band width .70" - 1.0"
- band thickness .023" - .063"

Construction

Large strip hose clamp with fastening lug



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

HOSE CLAMP, BOLT CLAMP

Clamping range (in.)	Width x thickness (in.)	Product code
1.25" thru 20"	.80" x .03" thru 1.00" x .04"	621-032-115 thru 621-500-115

Note:

Heavy duty bolted clamps are suitable for the mounting of medium and heavy weight spiral hose types. For the mounting of lightweight hose qualities we recommend worm drive hose clamps.

Delivery forms:

Standard production:

- clamping ranges from 1.25" - 20"

Available on request:

- in stainless steel
- other clamping ranges



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HOSE CLAMP WITH WORM GEAR DRIVE



HOSE CLAMP WITH WORM GEAR DRIVE

Material

- clamp band: galvanized steel
- screw casing: galvanized steel

Properties

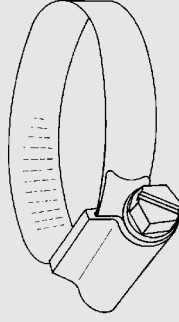
- rust resistant
- extra strength

Applications

- for attaching light spiral hoses onto connecting branches on mobile and stationary units

Construction

one-piece hose band clamps with a hexagon head screw, recessed



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

HOSE CLAMP WITH WORM GEAR DRIVE

Clamping range (in.)	Product code
1" thru 20"	620-025-100 thru 620-500-100

Delivery forms:

Standard production:

- clamping ranges from 1" - 20"

Available on request:

- in stainless steel
- other clamping ranges

Note:

Worm drive hose clamps are suitable for the mounting of lightweight spiral hose types. For the mounting of heavy weight hose qualities we recommend the heavy duty bolted clamps.



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HOSE REDUCER



11.5

HOSE REDUCER

Material

galvanized steel

Properties

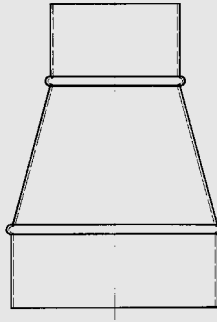
- easy to install
- lightweight
- resistant to corrosion

Applications

- for extending, connecting and attaching lightweight or medium weight hoses

Construction

reducer of rolled sheet steel with beadings on both ends



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

HOSE REDUCER

(Dia. 1)	(Dia. 2)	S Ga.	L1 (in.)	L2 (in.)	Product code
3" thru 12"	2" thru 10"	24	3.5"	3"	632-080-050 thru 632-300-250

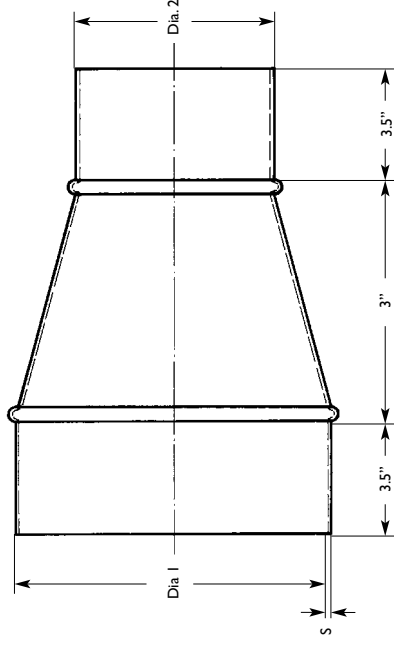
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special diameters
- stainless steel



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HOSE CONNECTOR



HOSE CONNECTOR

Material

galvanized steel

Properties

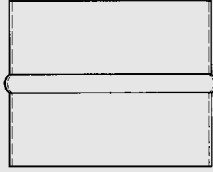
- easy to install
- lightweight
- resistant to corrosion

Applications

- extending, connecting and attaching lightweight or medium weight hoses

Construction

rolled sheet steel with bendings



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

HOSE CONNECTOR

(Dia.)	Gn.	L (in.)	Product code
2" thru 36"	24	3.5"	630-050-100 thru 630-900-100

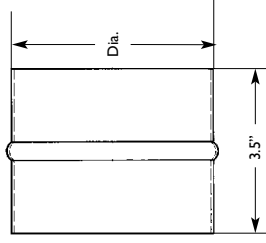
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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