



# 5

## **Permanently antistatic & Electroconductive Hoses**

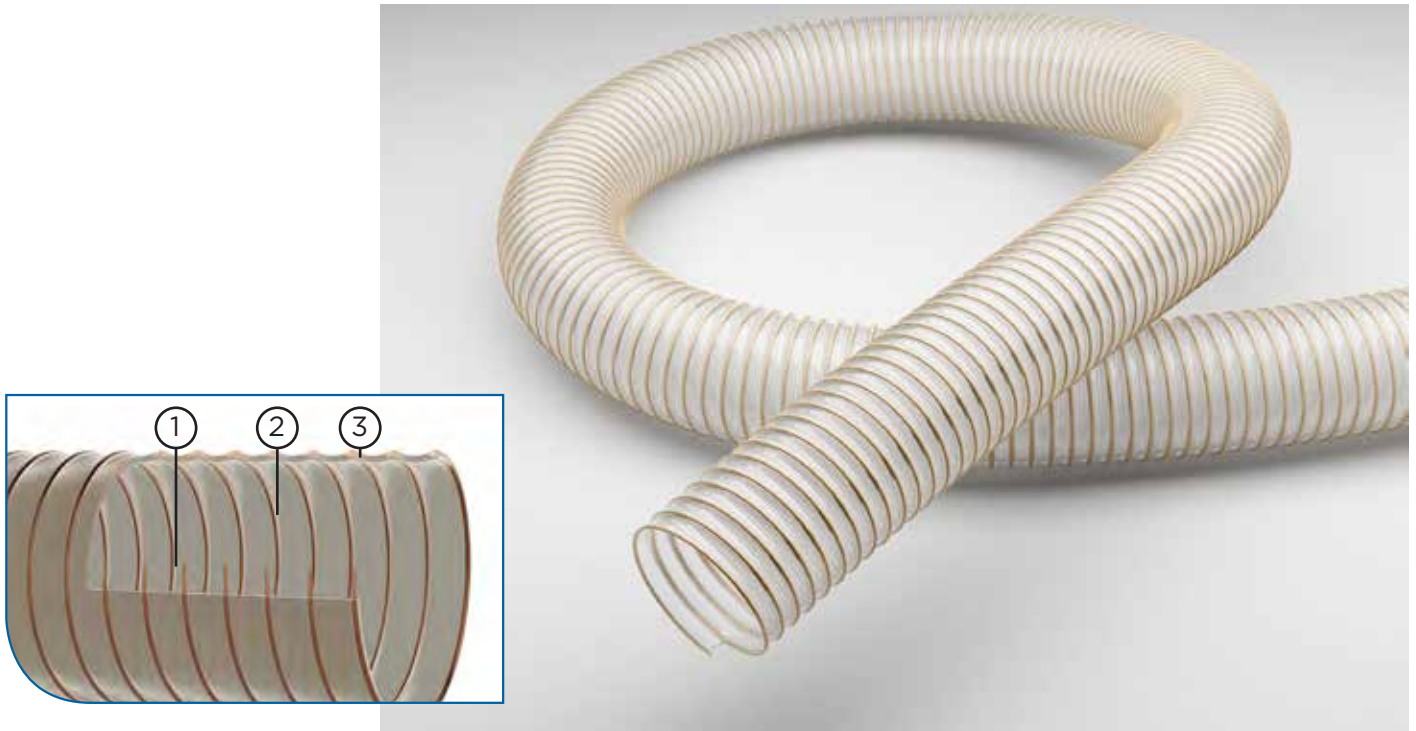
**For preventing danger of ignition  
through electrostatic charges**



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

## Master-PUR L MHR A

PU Suction & Transport Hose, light duty, highly flexible, microbe & hydrolysis-resistant, antistatic



### Material

- 1 spiral: spring steel wire
- 2 wall: pure polyether polyurethane with non-migratory permanent antistatic agent
- 3 wall thickness between spirals approx. 0.7 mm

### Applications

- suction/extraction of paper and textile fibres
- suction & transport hose for abrasive solids, for which microbe and hydrolysis resistance is required
- transport of fine-grained particles, such as dust and powder
- protective hose against mechanical wear
- oil mist extraction/suction

### Available on request

- available on request in the above listed lengths, sizes and colours. Alternatively, also available with print.

### Properties

- permanently antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- microbe and hydrolysis-resistant
- light
- very good flexibility
- smallest bending radii
- halogen and plasticizer-free
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- acc. to DIN 26057 type II

### Temperature Range

- -40°C to +90°C
- peaks to +125°C



Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)



DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
26	3,22	0,79	31	31	0,25	110-026-498	25
32	2,52	0,71	40	40	0,35	110-032-498	25
38	2,1	0,66	46	46	0,39	110-038-498	25
40	2,1	0,66	48	48	0,4	110-040-498	25
45	1,84	0,59	53	53	0,42	110-045-498	25
51	1,68	0,52	58	58	0,45	110-051-498	25
55	1,54	0,44	63	63	0,51	110-055-498	25
60	1,4	0,44	68	68	0,53	110-060-498	25
65	1,26	0,37	73	73	0,64	110-065-498	25
70	1,12	0,37	78	78	0,68	110-070-498	25
76	1,12	0,29	84	84	0,72	110-076-498	25
80	0,98	0,29	88	88	0,76	110-080-498	25
90	0,84	0,22	99	99	0,88	110-090-498	25
102	0,84	0,22	110	110	0,95	110-102-498	25
110	0,7	0,22	119	119	1,03	110-110-498	25
115	0,7	0,22	124	124	1,06	110-115-498	25
120	0,7	0,22	129	129	1,12	110-120-498	25
127	0,7	0,22	135	135	1,18	110-127-498	25
130	0,56	0,22	139	139	1,2	110-130-498	25
140	0,56	0,15	149	149	1,38	110-140-498	25
152	0,56	0,15	161	161	1,48	110-152-498	25
160	0,56	0,15	170	170	1,74	110-160-498	25
170	0,42	0,15	180	180	1,8	110-170-498	25
175	0,42	0,15	185	185	1,85	110-175-498	25
180	0,42	0,15	190	190	1,9	110-180-498	25
203	0,42	0,15	214	214	2,3	110-203-498	25
225	0,28	0,07	235	235	2,55	110-225-498	25
254	0,28	0,07	264	264	3,03	110-254-798	25
275	0,28	0,07	284	284	3,11	110-275-498	25
280	0,28	0,07	290	290	3,14	110-280-498	25
300	0,25	0,07	310	310	3,2	110-300-498	20
315	0,25	0,07	325	325	3,32	110-315-498	20
325	0,25	0,07	335	335	3,4	110-325-498	20
350	0,13	0,07	360	360	3,6	110-350-498	20
375	0,13	0,05	386	386	3,85	110-375-498	20
400	0,13	0,05	410	411	4,45	110-400-498	20
450	0,13	0,05	460	461	5,06	110-450-498	20
500	0,13	0,05	510	511	5,7	110-500-498	20

All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Subject to technical changes and colour deviations.

**Please note the changed article numbers.**

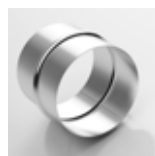
**The new article numbers can be found in the online product data sheets.**



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



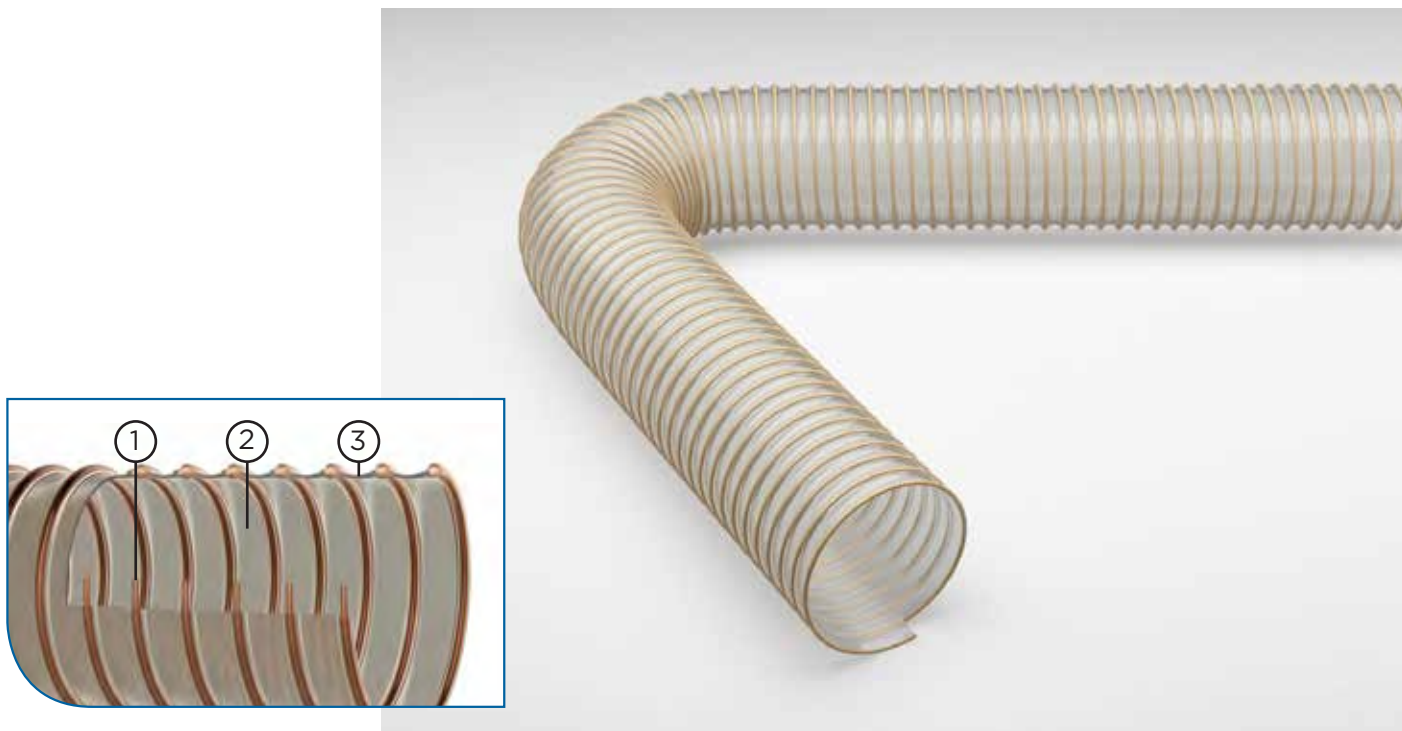
PU Cuff, electroconductive



Combiflex PU Threaded Socket

## Master-PUR H MHR A

PU Suction & Transport Hose, medium duty, microbe & hydrolysis-resistant, antistatic,



### Material

- ① spiral: spring steel wire
- ② hose wall: polyether polyurethane with non-migrating permanent agents, microbe and hydrolysis resistant
- ③ wall thickness between spirals approx. 1.4 mm

### Applications

- suction & transport hose for abrasive solids, for which microbe and hydrolysis resistance is required
- protective hose against mechanical wear

### Available on request

- available on request in the above listed lengths, sizes and colours. Alternatively, also available with print.

### Properties

- small bending radii
- good flexibility
- medium duty
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- permanently antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>
- microbe and hydrolysis-resistant
- increased pressure and vacuum resistance
- halogen and plasticizer-free
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- acc. to DIN 26057 type III

### Temperature Range

- -40°C to +90°C
- peaks to +125°C



Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
16	4,5	0,92	40	22	0,2	111-016-798	25
20	4,3	0,92	43	26	0,22	111-020-798	25
26	4,16	0,92	47	33	0,29	111-026-798	25
32	3,25	0,92	60	41	0,39	111-032-798	25
38	3,12	0,82	69	47	0,46	111-038-798	25
40	3	0,82	72	49	0,49	111-040-798	25
45	2,95	0,81	80	55	0,55	111-045-798	25
51	2,9	0,78	87	61	0,71	111-051-798	25
55	2,75	0,76	95	65	0,77	111-055-798	25
60	2,55	0,74	102	70	0,84	111-060-798	25
65	2,4	0,66	112	75	0,91	111-065-798	25
70	2,25	0,66	117	80	0,97	111-070-798	25
76	2	0,59	126	87	1,06	111-076-798	25
80	2	0,59	132	91	1,11	111-080-798	25
90	1,65	0,51	149	101	1,25	111-090-798	25
102	1,5	0,44	165	112	1,48	111-102-798	25
110	1,35	0,44	179	121	1,61	111-110-798	25
115	1,35	0,31	186	126	1,68	111-115-798	25
120	1,3	0,31	194	131	1,75	111-120-798	25
127	1,3	0,31	203	138	1,91	111-127-798	25
130	1,3	0,31	209	141	1,96	111-130-798	25
140	1,05	0,25	224	151	2,11	111-140-798	25
152	1,05	0,25	242	163	2,29	111-152-798	25
160	0,9	0,25	255	171	2,51	111-160-798	25
170	0,9	0,18	270	181	2,67	111-170-798	25
175	0,9	0,18	278	186	2,74	111-175-798	25
180	0,75	0,18	285	191	2,82	111-180-798	25
203	0,75	0,18	321	215	3,5	111-203-798	25
225	0,6	0,12	353	237	3,65	111-225-798	25
254	0,6	0,12	390	263	3,84	111-254-798	25
275	0,45	0,12	426	288	4,22	111-275-798	25
280	0,45	0,12	435	293	4,3	111-280-798	25
300	0,45	0,12	465	313	4,94	111-300-798	20
315	0,45	0,12	488	328	5,19	111-315-798	20
325	0,45	0,12	503	338	5,35	111-325-798	20
350	0,45	0,12	540	363	6,96	111-350-798	20
375	0,3	0,07	580	388	7,45	111-375-798	20
400	0,3	0,07	615	413	7,95	111-400-798	20
450	0,3	0,07	690	463	8,94	111-450-798	20
500	0,3	0,07	765	513	9,93	111-500-798	20

All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Subject to technical changes and colour deviations.

**Please note the changed article numbers.**

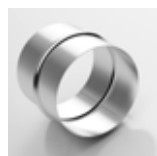
**The new article numbers can be found in the online product data sheets.**



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



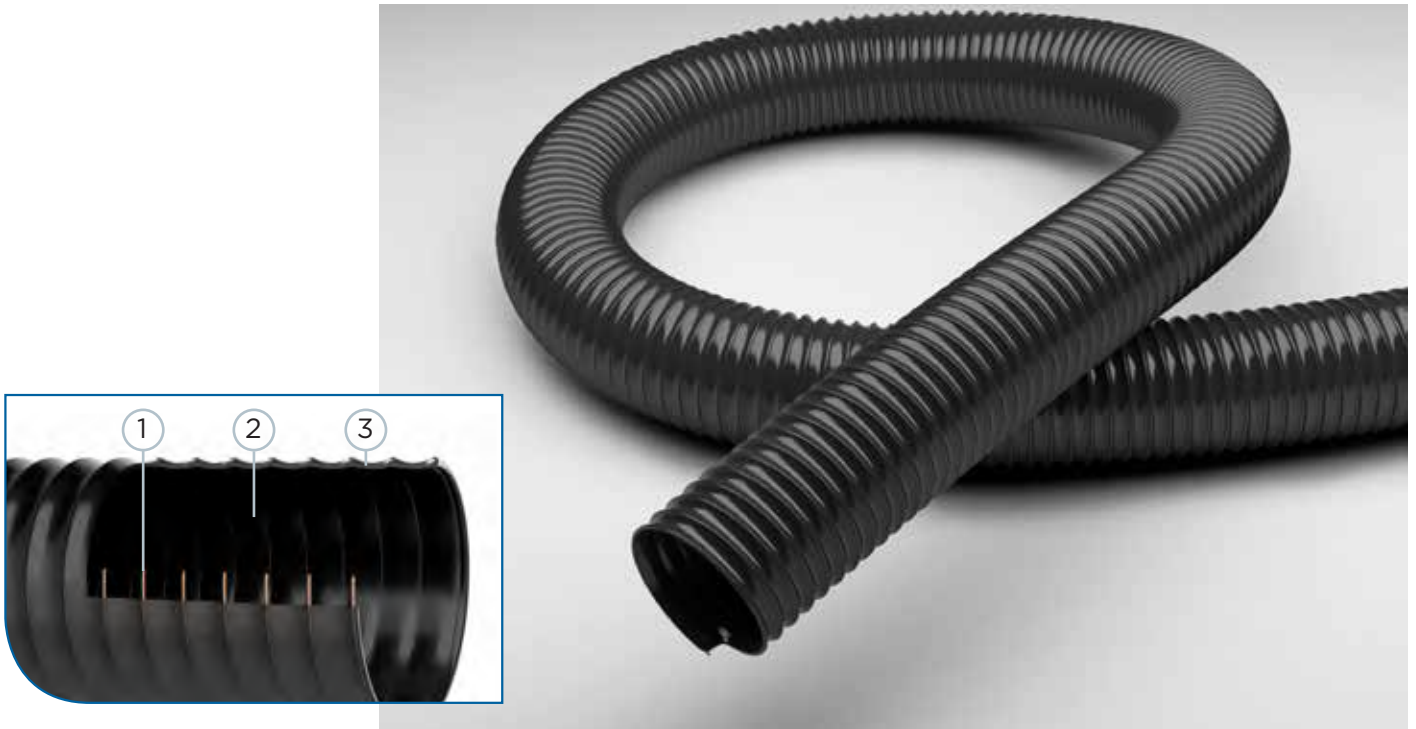
PU Cuff, electroconductive



Combiflex PU Threaded Socket

## Master-PUR L EL

PU Suction & Transport Hose, light duty, highly flexible, electroconductive



### Material

- ① spiral: spring steel wire
- ② wall: electrically conductive polyurethane
- ③ wall thickness between spirals approx. 0.7 mm

### Applications

- suction/extraction of paper and textile fibres
- danger zones, which require electrically conductive hoses
- transport of fine-grained particles, such as dust and powder
- suction & transport hose for abrasive solids, liquids and gases
- protective hose against mechanical wear
- oil mist extraction/suction

### Available on request

- available on request in other lengths and sizes with print.

### Properties

- surface resistance  $R_o < 10^3 \text{ Ohm}$
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- halogen-free
- light
- very good flexibility
- smallest bending radii
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- generally good UV and ozone resistance
- acc. to DIN 26057 type II

### Temperature Range

- -40°C to +90°C
- peaks to +125°C



Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
26	3,22	0,79	31	31	0,25	110-026-207	25
32	2,52	0,71	40	40	0,35	110-032-207	25
38	2,1	0,66	46	46	0,39	110-038-207	25
40	2,1	0,66	48	48	0,4	110-040-207	25
45	1,84	0,59	53	53	0,42	110-045-207	25
51	1,68	0,52	58	58	0,45	110-051-207	25
55	1,54	0,44	63	63	0,51	110-055-207	25
60	1,4	0,44	68	68	0,53	110-060-207	25
65	1,26	0,37	73	73	0,64	110-065-207	25
70	1,12	0,37	78	78	0,68	110-070-207	25
76	1,12	0,29	84	84	0,72	110-076-207	25
80	0,98	0,29	88	88	0,76	110-080-207	25
90	0,84	0,22	99	99	0,88	110-090-207	25
102	0,84	0,22	110	110	0,95	110-102-207	25
110	0,7	0,22	119	119	1,03	110-110-207	25
115	0,7	0,22	124	124	1,06	110-115-207	25
120	0,7	0,22	129	129	1,12	110-120-207	25
127	0,7	0,22	135	135	1,18	110-127-207	25
130	0,56	0,22	139	139	1,2	110-130-207	25
140	0,56	0,15	149	149	1,38	110-140-207	25
152	0,56	0,15	161	161	1,48	110-152-207	25
160	0,56	0,15	170	170	1,74	110-160-207	25
170	0,42	0,15	180	180	1,8	110-170-207	25
175	0,42	0,15	185	185	1,85	110-175-207	25
180	0,42	0,15	190	190	1,9	110-180-207	25
203	0,42	0,15	214	214	2,3	110-203-207	25
225	0,28	0,07	235	235	2,55	110-225-207	25
254	0,28	0,07	260	260	3,02	110-254-207	25
275	0,28	0,07	284	284	3,11	110-275-207	25
280	0,28	0,07	290	290	3,14	110-280-207	25
300	0,25	0,07	310	310	3,2	110-300-207	20
315	0,25	0,07	325	325	3,32	110-315-207	20
325	0,25	0,07	335	335	3,4	110-325-207	20
350	0,13	0,07	360	360	3,6	110-350-207	20
375	0,13	0,05	386	386	3,85	110-375-207	20
400	0,13	0,05	410	411	4,45	110-400-207	20
450	0,13	0,05	460	461	5,06	110-450-207	20
500	0,13	0,05	510	511	5,7	110-500-207	20

All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Subject to technical changes and colour deviations.

**Please note the changed article numbers.**

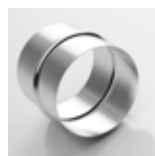
**The new article numbers can be found in the online product data sheets.**



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



PU Cuff, electroconductive



Combiflex PU Threaded Socket



## Master-PUR H EL

PU Suction & Transport Hose, medium duty, very flexible, electroconductive



### Material

- ① spiral: spring steel wire
- ② wall: electrically conductive polyurethane
- ③ wall thickness between spirals approx. 1.4 mm

### Applications

- danger zones, which require electrically conductive hoses
- special hose for industrial vacuum cleaners in explosion-protected areas
- suction of coarse-grained media with high flow rate
- suction & transport hose for abrasive solids, liquids and gases
- protective hose against mechanical wear
- oil mist extraction/suction

### Available on request

- available on request in other lengths and sizes with print.

### Properties

- surface resistance  $R_o < 10^3 \text{ Ohm}$
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- small bending radii
- good flexibility
- medium duty
- halogen-free
- increased pressure and vacuum resistance
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- generally good UV and ozone resistance
- acc. to DIN 26057 type III

### Temperature Range

- -40°C to +90°C
- peaks to +125°C



Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
26	4,16	0,92	47	33	0,29	111-026-207	25
32	3,25	0,92	60	41	0,39	111-032-207	25
38	3,12	0,82	69	47	0,46	111-038-207	25
40	3	0,82	72	49	0,49	111-040-207	25
45	2,95	0,81	80	55	0,55	111-045-207	25
51	2,9	0,79	87	61	0,71	111-051-207	25
55	2,75	0,76	95	65	0,77	111-055-207	25
60	2,55	0,74	102	70	0,84	111-060-207	25
65	2,4	0,66	112	75	0,91	111-065-207	25
70	2,25	0,66	117	80	0,97	111-070-207	25
76	2	0,59	126	87	1,06	111-076-207	25
80	2	0,59	132	91	1,11	111-080-207	25
90	1,65	0,52	149	101	1,25	111-090-207	25
102	1,5	0,44	165	112	1,48	111-102-207	25
110	1,35	0,44	179	121	1,61	111-110-207	25
115	1,35	0,31	186	126	1,68	111-115-207	25
120	1,3	0,31	194	131	1,75	111-120-207	25
127	1,3	0,31	205	139	1,91	111-127-207	25
130	1,3	0,31	209	141	1,96	111-130-207	25
140	1,05	0,25	224	151	2,11	111-140-207	25
152	1,05	0,25	242	163	2,29	111-152-207	25
160	0,9	0,25	255	171	2,51	111-160-207	25
170	0,9	0,18	270	181	2,67	111-170-207	25
175	0,9	0,18	278	186	2,74	111-175-207	25
180	0,75	0,18	285	191	2,82	111-180-207	25
203	0,75	0,18	321	215	3,5	111-203-207	25
225	0,6	0,12	353	237	3,65	111-225-207	25
254	0,6	0,12	390	263	3,84	111-254-207	25
275	0,45	0,12	426	288	4,22	111-275-207	25
280	0,45	0,12	435	293	4,3	111-280-207	25
300	0,45	0,12	465	313	4,94	111-300-207	20
315	0,45	0,12	488	328	5,19	111-315-207	20
325	0,45	0,12	503	338	5,35	111-325-207	20
350	0,45	0,12	540	363	6,96	111-350-207	20
375	0,3	0,07	580	388	7,45	111-375-207	20
400	0,3	0,07	615	413	7,95	111-400-207	20
450	0,3	0,07	690	463	8,94	111-450-207	20
500	0,3	0,07	765	513	9,93	111-500-207	20

All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Subject to technical changes and colour deviations.

**Please note the changed article numbers.**

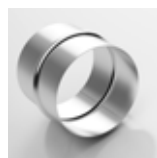
**The new article numbers can be found in the online product data sheets.**



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



PU Cuff, electroconductive



Combiflex PU Threaded Socket

## Master-PUR HX EL

PU Suction & Transport Hose, flexible, highly abrasion-proof and vacuum-proof, electroconductive



### Material

- ① spiral: spring steel wire
- ② wall: electrically conductive polyurethane
- ③ wall thickness between spirals approx. 1.7 - 2.1 mm, depending on DN

### Applications

- danger zones, which require electrically conductive hoses
- suction of coarse-grained media with highest flow rate
- protective hose against greater mechanical wear
- suction and transport hose for extremely abrasive solid, liquid and gaseous media

### Available on request

- available on request in the above listed lengths, sizes and colours. Alternatively, also available with print.

### Properties

- surface resistance  $R_o < 10^3 \text{ Ohm}$
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- extremely abrasion resistant via specific reinforcements underneath the spiral
- flexible
- high vacuum and apex pressure resistance
- highly durable, long service lives
- optimum flow characteristics
- mostly smooth inner lining
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- acc. to DIN 26057 type IV

### Temperature Range

- -40°C to +90°C
- peaks to +125°C



Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
32	4,85	0,94	80	42	0,69	114-032-207	20
38	4,39	0,94	95	48	0,78	114-038-207	20
40	4,27	0,94	100	50	0,81	114-040-207	20
45	4,1	0,94	115	55	0,88	114-045-207	20
50	4,02	0,94	123	60	0,94	114-050-207	20
51	4	0,94	125	61	0,95	114-051-207	20
55	3,75	0,89	140	65	1,08	114-055-207	20
60	3,6	0,89	150	70	1,2	114-060-207	20
65	3,3	0,89	165	75	1,33	114-065-207	20
70	3,15	0,89	175	80	1,49	114-070-207	20
75	2,96	0,89	188	86	1,65	114-075-207	20
76	2,92	0,89	190	87	1,68	114-076-207	20
80	2,77	0,89	200	93	1,85	114-080-207	20
90	2,4	0,89	225	103	2,1	114-090-207	20
100	2,15	0,87	246	113	2,28	114-100-207	20
102	2,1	0,87	250	115	2,32	114-102-207	20
110	1,95	0,87	275	124	2,6	114-110-207	20
115	1,8	0,87	290	129	2,73	114-115-207	20
120	1,65	0,87	300	134	2,86	114-120-207	20
125	1,65	0,87	311	138	2,97	114-125-207	20
127	1,65	0,87	315	140	3,01	114-127-207	20
130	1,65	0,84	325	143	3,25	114-130-207	20
140	1,5	0,83	350	153	3,66	114-140-207	20
150	1,5	0,82	371	165	4,07	114-150-207	20
152	1,5	0,82	375	167	4,15	114-152-207	20
160	1,35	0,81	400	175	4,55	114-160-207	20
170	1,2	0,8	425	185	5,01	114-170-207	20
175	1,2	0,79	440	190	5,27	114-175-207	20
180	1,2	0,77	450	195	5,52	114-180-207	20
200	1,07	0,67	493	217	5,99	114-200-207	15
203	1,05	0,66	500	220	6,06	114-203-207	15
225	0,9	0,58	565	241	6,99	114-225-207	10
250	0,9	0,52	617	263	7,91	114-250-207	10
254	0,9	0,51	625	267	7,91	114-254-207	10
275	0,75	0,47	690	292	8,67	114-275-207	10
300	0,6	0,42	750	317	9,42	114-300-207	10

All data refers to a medium and ambient temperature of +20 °C  
\* Refers to the inner hose lining  
Subject to technical changes and colour deviations.

Please note the changed article numbers.

The new article numbers can be found in the online product data sheets.



Combiflex PU Fixed Flange, pre-fixed



Combiflex PU Swivel Flange, pre-fixed



Combiflex PU Cone Flange, pre-fixed



Hose Clamp with Bolts



Combiflex metal male threaded socket



## Master-PE LF EL

PE foil hose, lightweight, highly flexible, electroconductive



### Material

- ① spiral: spring steel wire
- ② wall: electroconductive polyethylene
- ③ Film thickness between spirals approx. 0.5mm

### Applications

- suction of chemical fumes and gases in ventilation and air conditioning

### Properties

- very good chemical resistance
- surface resistance  $< 10^4$  Ohm
- especially resistant to solvent and other aggressive fumes
- super lightweight
- highly flexible
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- smallest bending radii
- halogen and plasticizer-free

### Temperature Range

- -40°C to +60°C
- peaks to +80°C



Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
40	0,45	0,18	28	0,11	668-040-207	25
50	0,4	0,16	35	0,14	668-050-207	25
51	0,4	0,16	36	0,14	668-051-207	25
60	0,4	0,16	42	0,17	668-060-207	25
65	0,35	0,14	45	0,19	668-065-207	25
70	0,3	0,12	49	0,2	668-070-207	25
75	0,3	0,1	53	0,21	668-075-207	25
76	0,3	0,1	54	0,21	668-076-207	25
80	0,3	0,1	56	0,22	668-080-207	25
90	0,25	0,09	63	0,25	668-090-207	25
100	0,2	0,09	70	0,28	668-100-207	25
102	0,2	0,09	71	0,29	668-102-207	25
120	0,2	0,09	82	0,33	668-120-207	25
125	0,2	0,08	85	0,35	668-125-207	25
127	0,2	0,08	87	0,36	668-127-207	25
130	0,2	0,07	91	0,38	668-130-207	25
140	0,1	0,06	97	0,41	668-140-207	25
150	0,1	0,06	100	0,48	668-150-207	25
152	0,1	0,06	103	0,49	668-152-207	25
160	0,1	0,05	115	0,55	668-160-207	25
175	0,09	0,05	123	0,71	668-175-207	25
200	0,08	0,05	140	0,81	668-200-207	25
203	0,08	0,05	142	0,82	668-203-207	25
250	0,05	0,04	175	1,01	668-250-207	25
254	0,05	0,04	178	1,03	668-254-207	25
300	0,03	0,03	210	1,22	668-300-207	25
350	0,02	0,02	245	1,42	668-350-207	25
400	0,02	0,02	280	1,62	668-400-207	25

All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Order-specific production in above listed sizes, lengths, in black. Delivery time approx. 10 working days  
 Subject to technical changes and colour deviations.

Please note the changed article numbers.  
 The new article numbers can be found in the online product data sheets.



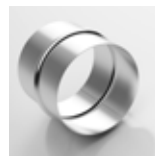
Hose Reducer, symmetrical



Master-Grip Hose Clamp, screwable



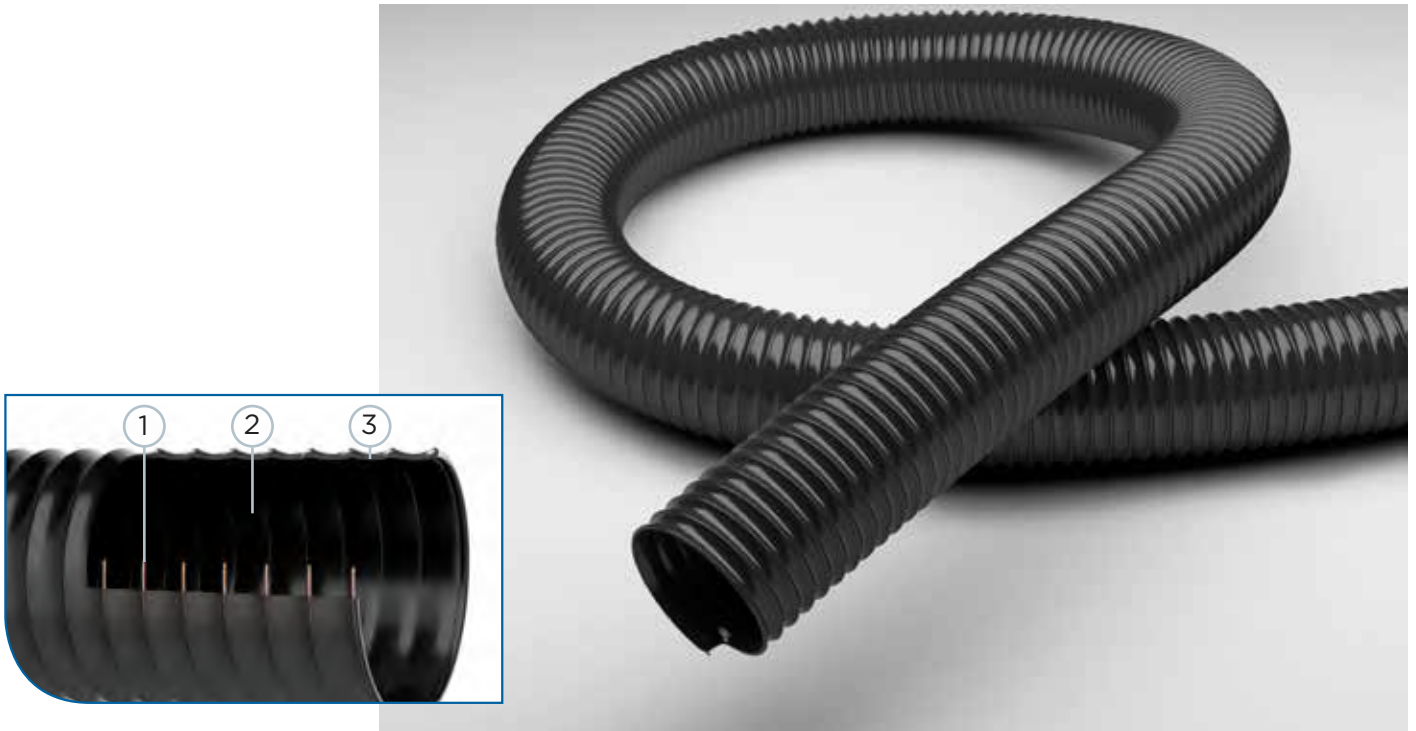
Master-Grip Quick-Fix Clamp



Hose Connector

## Master-PE L EL

PE Suction & Transport Hose, lightweight, highly flexible, electroconductive



### Material

- ① spiral: spring steel wire
- ② wall: electroconductive polyethylene
- ③ wall thickness between spirals approx. 0.7 mm

### Applications

- suction & Transport Hose for aggressive gases and liquids
- danger zones, which require electrically conductive hoses
- transport of fine-grained particles, such as dust and powder
- oil mist extraction/suction

### Available on request

- available on request in other lengths and sizes with print.

### Properties

- surface resistance <math>< 10^4 \text{ Ohm}</math>
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- high tension/tear-proof
- flexible
- mostly smooth inner lining
- light
- halogen and plasticizer-free
- optimum flow characteristics
- good resistance to chemicals, oil and fuel
- generally good UV and ozone resistance

### Temperature Range

- -35°C to +80°C
- peaks to +120°C



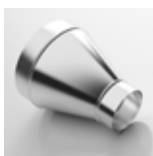
Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
25	1,39	0,94	31	31	0,23	180-025-207	25
26	1,35	0,93	32	32	0,24	180-026-207	25
32	1,09	0,85	40	40	0,32	180-032-207	25
38	0,91	0,79	46	46	0,35	180-038-207	25
40	0,91	0,79	48	48	0,36	180-040-207	25
45	0,79	0,71	53	53	0,38	180-045-207	25
50	0,73	0,64	57	57	0,41	180-050-207	25
51	0,72	0,62	58	58	0,41	180-051-207	25
55	0,66	0,53	63	63	0,46	180-055-207	25
60	0,6	0,53	68	68	0,48	180-060-207	25
65	0,54	0,44	73	73	0,58	180-065-207	25
70	0,48	0,44	78	78	0,62	180-070-207	25
75	0,48	0,37	83	83	0,65	180-075-207	25
76	0,48	0,35	84	84	0,65	180-076-207	25
80	0,42	0,35	88	88	0,69	180-080-207	25
90	0,36	0,26	99	99	0,8	180-090-207	25
100	0,36	0,26	108	108	0,85	180-100-207	25
102	0,36	0,26	110	110	0,86	180-102-207	25
110	0,3	0,26	119	119	0,93	180-110-207	25
115	0,3	0,26	124	124	0,96	180-115-207	25
120	0,3	0,26	129	129	1,01	180-120-207	25
125	0,3	0,26	133	133	1,05	180-125-207	25
127	0,3	0,26	135	135	1,07	180-127-207	25
130	0,24	0,26	139	139	1,09	180-130-207	25
140	0,24	0,18	149	149	1,25	180-140-207	25
150	0,24	0,18	159	159	1,33	180-150-207	25
152	0,24	0,18	161	161	1,34	180-152-207	25
160	0,24	0,18	170	170	1,58	180-160-207	25
170	0,18	0,18	180	180	1,63	180-170-207	25
175	0,18	0,18	185	185	1,68	180-175-207	25
180	0,18	0,18	190	190	1,72	180-180-207	25
200	0,18	0,18	211	211	2,03	180-200-207	25
203	0,18	0,18	214	214	2,08	180-203-207	25
225	0,12	0,09	235	235	2,31	180-225-207	25
250	0,12	0,09	260	260	2,74	180-250-207	25
254	0,12	0,09	264	264	2,75	180-254-207	25
275	0,12	0,09	284	284	2,82	180-275-207	25
280	0,12	0,09	290	290	2,84	180-280-207	25
300	0,11	0,08	310	310	2,9	180-300-207	20

All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Subject to technical changes and colour deviations.

**Please note the changed article numbers.**

**The new article numbers can be found in the online product data sheets.**



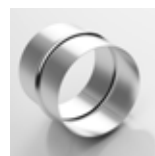
Hose Reducer, symmetrical



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



## Master-PVC LF EL

PVC Film/Foil Hose, lightweight, electroconductive



### Material

- ① spiral: spring steel wire, plastic-coated
- ② wall: soft PVC, electrically conductive
- ③ wall thickness between spirals approx. 0.5 mm

### Applications

- chemicals industry
- apparatus construction
- suction and transport hose for solid, liquid and gaseous media
- danger zones, which require electrically conductive hoses
- transport of fine-grained particles, such as dust and powder

### Available on request

- available on request in other lengths and sizes with print.

### Properties

- surface resistance <math>< 10^6 \text{ Ohm}</math>
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- extremely flexible
- axial compressible
- mostly smooth inner lining
- good oil/alkali/acid resistance
- light
- smallest bending radii
- good chemical resistance

### Temperature Range

- -20°C to +70°C
- peaks to +80°C



Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
50	0,7	0,19	29	56	0,33	340-050-207	25
51	0,7	0,19	30	57	0,33	340-051-207	25
60	0,68	0,19	35	68	0,39	340-060-207	25
63	0,65	0,17	37	70	0,41	340-063-207	25
65	0,61	0,16	38	72	0,42	340-065-207	25
70	0,55	0,13	40	77	0,45	340-070-207	25
75	0,53	0,13	42	81	0,48	340-075-207	25
76	0,52	0,13	43	82	0,48	340-076-207	25
80	0,48	0,13	45	87	0,51	340-080-207	25
90	0,41	0,09	50	98	0,58	340-090-207	25
100	0,39	0,09	54	107	0,63	340-100-207	25
102	0,38	0,09	55	109	0,64	340-102-207	25
110	0,34	0,09	60	117	0,69	340-110-207	25
115	0,34	0,09	63	122	0,72	340-115-207	25
120	0,32	0,09	65	128	0,76	340-120-207	25
125	0,32	0,09	67	131	0,77	340-125-207	25
127	0,32	0,09	68	133	0,78	340-127-207	25
130	0,27	0,09	70	136	0,81	340-130-207	25
140	0,27	0,06	75	147	0,87	340-140-207	25
150	0,27	0,06	79	156	0,93	340-150-207	25
152	0,27	0,06	80	158	0,94	340-152-207	25
160	0,21	0,06	85	170	1,14	340-160-207	25
170	0,21	0,06	90	180	1,21	340-170-207	25
175	0,21	0,06	93	185	1,24	340-175-207	25
180	0,21	0,06	95	190	1,28	340-180-207	25
200	0,21	0,06	103	207	1,4	340-200-207	25
203	0,21	0,06	105	210	1,42	340-203-207	25
225	0,14	0,03	118	235	1,59	340-225-207	25
250	0,14	0,03	128	257	1,75	340-250-207	25
254	0,14	0,03	130	261	1,77	340-254-207	25
275	0,13	0,03	143	285	1,94	340-275-207	25
280	0,13	0,03	145	290	1,97	340-280-207	25
300	0,13	0,03	155	311	2,11	340-300-207	25

All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Subject to technical changes and colour deviations.

Please note the changed article numbers.

The new article numbers can be found in the online product data sheets.



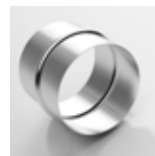
Hose Reducer, symmetrical



Master-Grip Hose Clamp, screwable



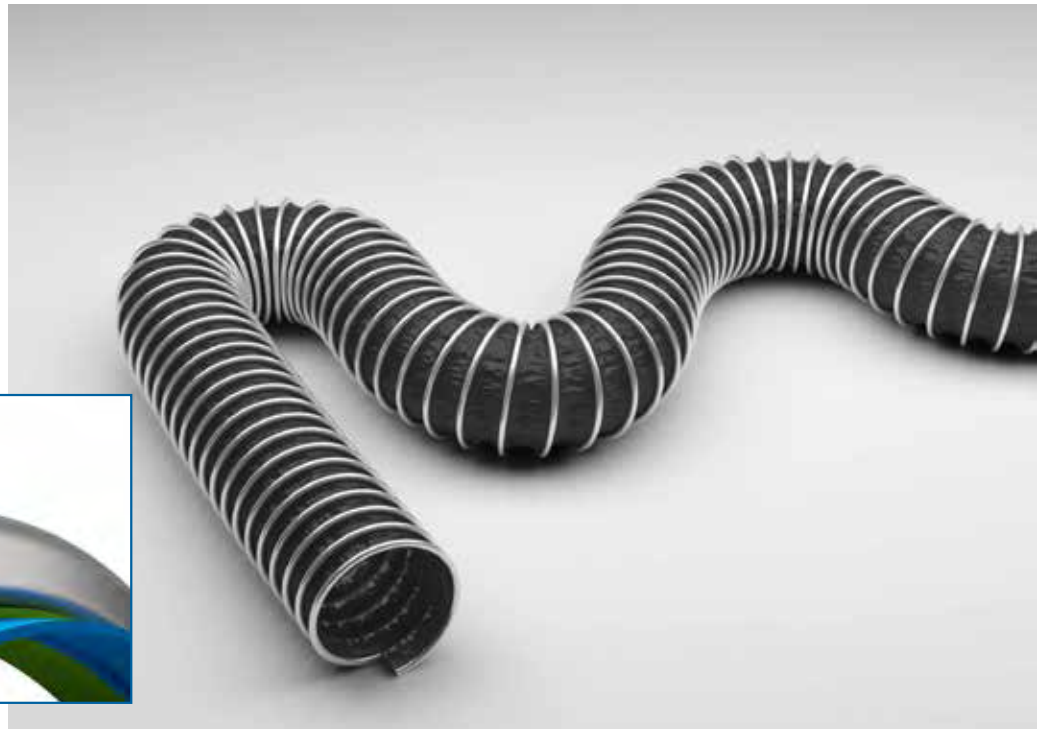
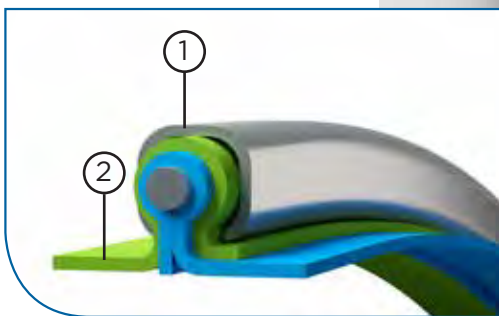
Master-Grip Quick-Fix Clamp



Hose Connector

## Master-Clip VINYL EL

Suction & Blower hose made from PVC coated polyester fabric, electroconductive



### Material

- ① clip profile spiral: hot-dip galvanised steel band
- ② wall: PVC-coated polyester fabric, electrically conductive  $< 10^6$  Ohm

### Applications

- danger zones, which requires electro-conductivity acc. to TRGS
- suction and conveyance of aggressive media, explosive gases and fumes
- air supply and extraction in explosion-protected areas
- for greater mechanical demands
- low pressure range
- extractor units

### Available on request

- available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.

### Properties

- outer chafing protection spiral
- surface resistance  $< 10^6$  Ohm
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- vibration-proof
- robust wall material
- withstands high mechanical loads
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- extremely compressible to approx. 1:6
- highly flexible
- smallest bending radii
- extremely lightweight

### Temperature Range

- $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- peaks to  $+80^{\circ}\text{C}$



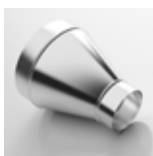
Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
50	0,9	0,31	30	0,55	260-050-207	20
55	0,85	0,26	33	0,6	260-055-207	20
60	0,78	0,22	36	0,64	260-060-207	20
65	0,68	0,19	39	0,69	260-065-207	20
70	0,67	0,16	42	0,74	260-070-207	20
75	0,62	0,14	45	0,79	260-075-207	20
80	0,61	0,12	48	0,84	260-080-207	20
90	0,56	0,11	54	0,94	260-090-207	20
100	0,51	0,1	60	0,77	260-100-207	20
110	0,48	0,08	66	0,85	260-110-207	20
120	0,36	0,07	72	0,93	260-120-207	20
125	0,33	0,06	75	0,97	260-125-207	20
130	0,28	0,06	78	1	260-130-207	20
140	0,25	0,05	84	1,1	260-140-207	20
150	0,22	0,04	90	1,16	260-150-207	20
160	0,21	0,04	96	3,14	260-160-207	20
170	0,19	0,03	102	3,33	260-170-207	20
175	0,185	0,03	105	3,43	260-175-207	20
180	0,172	0,03	108	3,52	260-180-207	20
200	0,148	0,03	120	3,9	260-200-207	20
215	0,128	0,02	151	4,8	260-215-207	20
225	0,115	0,02	158	4,73	260-225-207	20
250	0,1	0,02	175	4,84	260-250-207	20
275	0,08	0,01	193	5,31	260-275-207	20
300	0,07	0,01	210	5,78	260-300-207	20
315	0,06	0,01	221	6,1	260-315-207	20
325	0,06	0,01	228	6,25	260-325-207	20
350	0,06	0,01	245	6,72	260-350-207	20
375	0,05	0,01	263	7,19	260-375-207	20
400	0,05	0,01	280	7,66	260-400-207	20
450	0,05	0,01	360	8,6	260-450-207	20
500	0,04	0,01	400	5,64	260-500-207	20
550	0,04	0,01	440	10,49	260-550-207	20
600	0,04	0,01	480	11,43	260-600-207	15
700	0,03	0,01	560	13,31	260-700-207	15
800	0,02	0,01	640	15,2	260-800-207	15
900	0,02	0,01	720	17,1	260-900-207	15

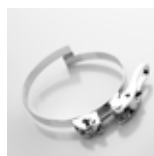
All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Order-specific production in above listed sizes and lengths.  
 Subject to technical changes and colour deviations.

Please note the changed article numbers.

The new article numbers can be found in the online product data sheets.



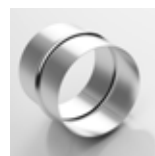
Hose Reducer, symmetrical



Clip-Grip quick action clamp



Clip-Grip Hose clamp, screwable



Hose Connector



## Master-Clip VITON EL

Suction & Blower hose made from VITON-coated Polyester fabric, for corrosive media up to +210 °C



### Material

- 1 clip profile spiral: hot-dip galvanised steel band
- 2 wall: Viton®-coated polyester fabric, electrically conductive <math>< 10^4</math> Ohm

### Applications

- danger zones, which requires electro-conductivity acc. to TRGS
- paint mist extraction
- suction/extraction of aggressive media in medium temperature range
- low pressure range
- chemicals industry

### Available on request

- available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.

### Properties

- very good chemical resistance
- outer chafing protection spiral
- high temperature resistance
- surface resistance <math>< 10^4</math> Ohm
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- vibration-proof
- robust wall material
- withstands high mechanical loads
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- highly flexible
- extremely compressable to approx. 1:6
- tear-proof
- smallest bending radii
- UV/ozone-proof
- extremely lightweight

### Temperature Range

- -25°C to +210°C
- peaks to +240°C



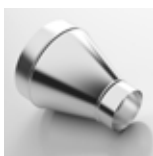
Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
38	0,94	0,47	23	0,4	222-038-207	25
40	0,93	0,46	24	0,4	222-040-207	25
45	0,92	0,43	27	0,4	222-045-207	25
50	0,9	0,39	30	0,4	222-050-207	25
55	0,85	0,32	33	0,4	222-055-207	25
60	0,78	0,27	36	0,5	222-060-207	25
65	0,68	0,23	39	0,5	222-065-207	25
70	0,67	0,2	42	0,5	222-070-207	25
75	0,62	0,18	45	0,6	222-075-207	25
80	0,61	0,15	48	0,6	222-080-207	25
90	0,56	0,12	54	0,6	222-090-207	25
100	0,51	0,1	60	0,6	222-100-207	25
110	0,48	0,08	66	0,7	222-110-207	25
120	0,36	0,07	72	0,7	222-120-207	25
125	0,33	0,06	75	0,8	222-125-207	25
130	0,28	0,06	78	0,8	222-130-207	25
140	0,25	0,05	84	0,8	222-140-207	25
150	0,22	0,04	90	0,9	222-150-207	25
160	0,21	0,04	96	0,9	222-160-207	25
170	0,19	0,03	102	0,9	222-170-207	25
175	0,19	0,03	105	1	222-175-207	25
180	0,17	0,03	108	1	222-180-207	25
200	0,15	0,03	120	1,2	222-200-207	25
215	0,13	0,02	151	1,3	222-215-207	25
225	0,12	0,02	158	1,4	222-225-207	25
250	0,1	0,02	175	1,6	222-250-207	25
275	0,08	0,01	193	1,9	222-275-207	25
300	0,07	0,01	210	2,1	222-300-207	25
325	0,06	0,01	228	2,5	222-325-207	25
350	0,06	0,01	245	2,5	222-350-207	25
375	0,05	0,01	263	2,9	222-375-207	25
400	0,05	0,01	280	3,1	222-400-207	25
450	0,05	0,01	360	3,6	222-450-207	25
500	0,04	0,01	400	4,1	222-500-207	25
550	0,04	0,01	440	4,6	222-550-207	25
600	0,04	0,01	480	5,1	222-600-207	20
700	0,03	0,01	560	6	222-700-207	20
800	0,02	0,01	640	6,9	222-800-207	20
900	0,02	0,01	720	7,8	222-900-207	20

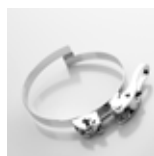
All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Order-specific production in above listed sizes and lengths.  
 Subject to technical changes and colour deviations.

**Please note the changed article numbers.**

**The new article numbers can be found in the online product data sheets.**



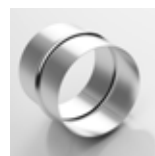
Hose Reducer, symmetrical



Clip-Grip quick action clamp



Clip-Grip Hose clamp, screwable



Hose Connector

## Master-Clip PTFE EL

Suction & Blower hose for corrosive media up to +280°C, electroconductive



### Material

- 1 clip profile spiral: hot-dip galvanised steel band
- 2 wall: multi-layered, PTFE laminate, electrically conductive <math>< 10^6 \text{ Ohm}</math>

### Applications

- danger zones, which requires electro-conductivity acc. to TRGS
- suction and conveyance of aggressive media, explosive gases and fumes
- paint mist extraction
- paint, wood and paper industry
- solvent extraction
- pharmaceutical industry
- low pressure range
- chemicals industry

### Available on request

- available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.

### Properties

- excellent chemical resistance
- outer chafing protection spiral
- surface resistance <math>< 10^6 \text{ Ohm}</math>
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- cold and heat resistant
- weather-proof
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- highly flexible
- extremely compressable to approx. 1:6
- smallest bending radii
- optimum medium flow characteristics
- extremely lightweight

### Temperature Range

- -150°C to +280°C
- peaks to +300°C



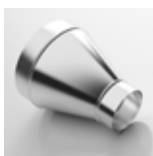
Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
55	0,58	0,13	33	0,4	263-055-207	10
60	0,55	0,12	36	0,5	263-060-207	10
65	0,5	0,11	39	0,5	263-065-207	10
70	0,4	0,11	42	0,5	263-070-207	10
75	0,35	0,1	45	0,5	263-075-207	10
80	0,3	0,09	48	0,5	263-080-207	10
90	0,26	0,08	54	0,6	263-090-207	10
100	0,23	0,07	60	0,6	263-100-207	10
110	0,2	0,06	66	0,6	263-110-207	10
120	0,18	0,05	72	0,7	263-120-207	10
125	0,17	0,05	75	0,7	263-125-207	10
130	0,15	0,05	78	0,8	263-130-207	10
140	0,14	0,04	84	0,8	263-140-207	10
150	0,14	0,04	90	0,9	263-150-207	10
160	0,13	0,04	96	0,9	263-160-207	10
170	0,12	0,03	102	0,9	263-170-207	10
175	0,11	0,03	105	1	263-175-207	10
180	0,11	0,03	108	1	263-180-207	10
200	0,1	0,03	120	1,1	263-200-207	10
215	0,09	0,02	151	1,1	263-215-207	10
225	0,08	0,02	158	1,2	263-225-207	10
250	0,08	0,02	175	1,4	263-250-207	10
275	0,07	0,01	193	1,7	263-275-207	6
300	0,06	0,01	210	1,9	263-300-207	6
315	0,06	0,01	221	1,9	263-315-207	6
325	0,05	0,01	228	2	263-325-207	6
350	0,05	0,01	245	2,2	263-350-207	6
375	0,04	0,01	263	2,6	263-375-207	6
400	0,03	0,01	280	2,8	263-400-207	6
450	0,03	0,01	360	3,3	263-450-207	3
500	0,03	0,01	400	3,8	263-500-207	3
550	0,02	0,01	440	4,4	263-550-207	3
600	0,02	0,01	480	4,9	263-600-207	3
700	0,02	0,01	560	5,6	263-700-207	3
800	0,02	0,01	640	6,2	263-800-207	3
900	0,01	0,01	720	7	263-900-207	3

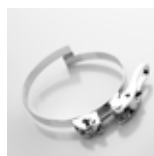
All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Order-specific production in above listed sizes and lengths.  
 Subject to technical changes and colour deviations.

**Please note the changed article numbers.**

**The new article numbers can be found in the online product data sheets.**



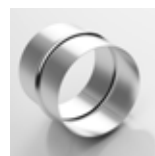
Hose Reducer, symmetrical



Clip-Grip quick action clamp



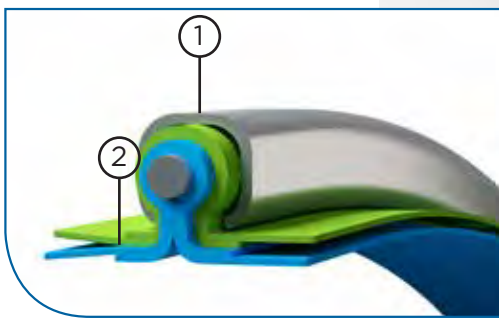
Clip-Grip Hose clamp, screwable



Hose Connector

## Master-Clip PTFE H EL

Suction & Blower hose for corrosive media up to +175°C



### Material

- ① clip profile spiral: hot-dip galvanised steel band
- ② wall: inner PTFE foil, electroconductive, outer layer: HYPALON®-coated polyester fabric

### Applications

- danger zones, which require electrically conductive hoses
- suction and conveyance of aggressive media, explosive gases and fumes
- paint, wood and paper industry
- solvent extraction
- pharmaceutical industry
- low pressure range
- chemicals industry

### Available on request

- available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.

### Properties

- excellent chemical resistance
- outer chafing protection spiral
- PTFE-foil: surface resistance  $R_o < 10^6$  Ohm
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- vibration-proof
- cold and heat resistant
- super lightweight
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- highly flexible
- smallest bending radii
- extremely compressible to approx. 1:4
- UV/ozone-proof
- weather-proof
- anti-adhesive internal wall lining material
- optimum medium flow characteristics

### Temperature Range

- -40°C to +175°C
- peaks to +190°C



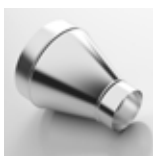
Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
38	0,94	0,52	23	0,5	261-038-207	20
40	0,93	0,51	24	0,5	261-040-207	20
45	0,92	0,48	27	0,5	261-045-207	20
50	0,9	0,43	30	0,5	261-050-207	20
55	0,85	0,36	33	0,5	261-055-207	20
60	0,78	0,3	36	0,6	261-060-207	20
65	0,68	0,26	39	0,7	261-065-207	20
70	0,67	0,22	42	0,7	261-070-207	20
75	0,62	0,19	45	0,8	261-075-207	20
80	0,61	0,17	48	0,8	261-080-207	20
90	0,56	0,13	54	0,9	261-090-207	20
100	0,51	0,11	60	1	261-100-207	20
110	0,48	0,09	66	1,1	261-110-207	20
120	0,36	0,08	72	1,1	261-120-207	20
125	0,33	0,07	75	1,2	261-125-207	20
130	0,28	0,06	78	1,2	261-130-207	20
140	0,25	0,06	84	1,3	261-140-207	20
150	0,22	0,05	90	1,3	261-150-207	20
160	0,21	0,04	96	1,3	261-160-207	20
170	0,19	0,04	102	1,4	261-170-207	20
175	0,185	0,04	105	1,4	261-175-207	20
180	0,172	0,03	108	1,4	261-180-207	20
200	0,148	0,03	120	1,6	261-200-207	20
215	0,128	0,03	151	1,8	261-215-207	20
225	0,115	0,02	158	2	261-225-207	20
250	0,1	0,02	175	2,1	261-250-207	20
275	0,08	0,02	193	2,3	261-275-207	20
300	0,07	0,01	210	2,4	261-300-207	20
325	0,06	0,01	228	2,8	261-325-207	20
350	0,06	0,01	245	3,3	261-350-207	20
375	0,05	0,01	263	3,5	261-375-207	20
400	0,05	0,01	280	3,8	261-400-207	15
450	0,05	0,01	360	4,2	261-450-207	15
500	0,04	0,01	400	4,7	261-500-207	15
550	0,04	0,01	440	5,3	261-550-207	15
600	0,04	0,01	480	5,9	261-600-207	15
700	0,03	0,01	560	6,9	261-700-207	15
800	0,02	0,01	640	7,6	261-800-207	15
900	0,02	0,01	720	8,2	261-900-207	15

All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Order-specific production in above listed sizes and lengths.  
 Subject to technical changes and colour deviations.

Please note the changed article numbers.

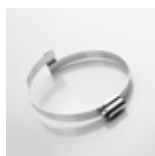
The new article numbers can be found in the online product data sheets.



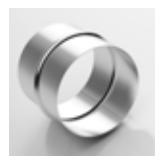
Hose Reducer, symmetrical



Clip-Grip quick action clamp



Clip-Grip Hose clamp, screwable

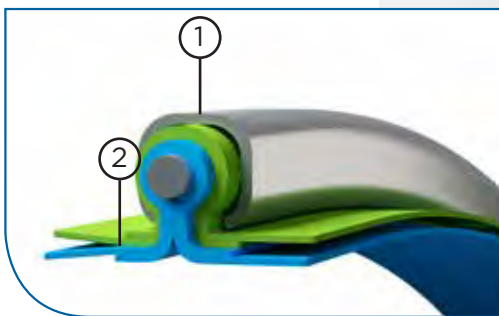


Hose Connector



## Master-Clip PTFE S EL

Suction & Blower hose for corrosive media up to +250°C



### Material

- ① clip profile spiral: hot-dip galvanised steel band
- ② wall: inner PTFE foil, electroconductive, outer layer: silicone-coated glass fabric

### Applications

- danger zones, which require electrically conductive hoses
- suction and conveyance of aggressive media, explosive gases and fumes
- paint, wood and paper industry
- solvent extraction
- pharmaceutical industry
- low pressure range
- chemicals industry

### Available on request

- available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.

### Properties

- excellent chemical resistance
- outer chafing protection spiral
- PTFE-foil: surface resistance  $R_o < 10^6$  Ohm
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- vibration-proof
- cold and heat resistant
- super lightweight
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- highly flexible
- smallest bending radii
- extremely compressible to approx. 1:4
- UV/ozone-proof
- weather-proof
- robust outer wall material anti-adhesive internal wall lining material
- optimum medium flow characteristics

### Temperature Range

- -70°C to +250°C
- peaks to +270°C



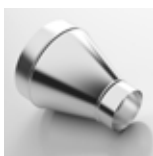
Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
50	0,85	0,35	30	0,5	262-050-216	10
55	0,78	0,29	33	0,5	262-055-216	10
60	0,68	0,24	36	0,6	262-060-216	10
65	0,59	0,21	39	0,7	262-065-216	10
70	0,53	0,17	42	0,7	262-070-216	10
75	0,47	0,15	45	0,8	262-075-216	10
80	0,43	0,14	48	0,8	262-080-216	10
90	0,36	0,11	54	0,9	262-090-216	10
100	0,3	0,09	60	1	262-100-216	10
110	0,26	0,07	66	1,1	262-110-216	10
120	0,22	0,06	72	1,1	262-120-216	10
125	0,21	0,05	75	1,2	262-125-216	10
130	0,2	0,05	78	1,2	262-130-216	10
140	0,18	0,05	84	1,3	262-140-216	10
150	0,16	0,04	90	1,3	262-150-216	10
160	0,14	0,03	96	1,3	262-160-216	10
170	0,13	0,03	102	1,4	262-170-216	10
175	0,12	0,03	105	1,4	262-175-216	10
180	0,12	0,03	108	1,4	262-180-216	10
200	0,1	0,02	120	1,6	262-200-216	10
215	0,09	0,02	151	1,8	262-215-216	10
225	0,08	0,02	158	2	262-225-216	10
250	0,07	0,02	175	2,1	262-250-216	10
275	0,06	0,01	193	2,3	262-275-216	10
300	0,05	0,01	210	2,4	262-300-216	10
315	0,05	0,01	221	2,6	262-315-216	10
325	0,05	0,01	228	2,8	262-325-216	10
350	0,04	0,01	245	3,3	262-350-216	10
375	0,04	0,01	263	3,5	262-375-216	10
400	0,03	0,01	280	3,8	262-400-216	10
450	0,03	0,01	360	4,2	262-450-216	10
500	0,02	0,01	400	4,7	262-500-216	10
550	0,02	0,01	440	5,3	262-550-216	10
600	0,02	0,01	480	5,9	262-600-216	10
700	0,01	0,01	560	6,9	262-700-216	10
800	0,01	0,01	640	7,6	262-800-216	10
900	0,01	0,01	720	8,2	262-900-216	10

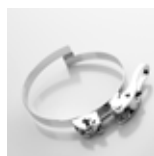
All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Order-specific production in above listed sizes and lengths.  
 Subject to technical changes and colour deviations.

Please note the changed article numbers.

The new article numbers can be found in the online product data sheets.



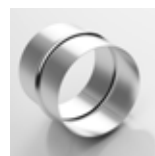
Hose Reducer, symmetrical



Clip-Grip quick action clamp



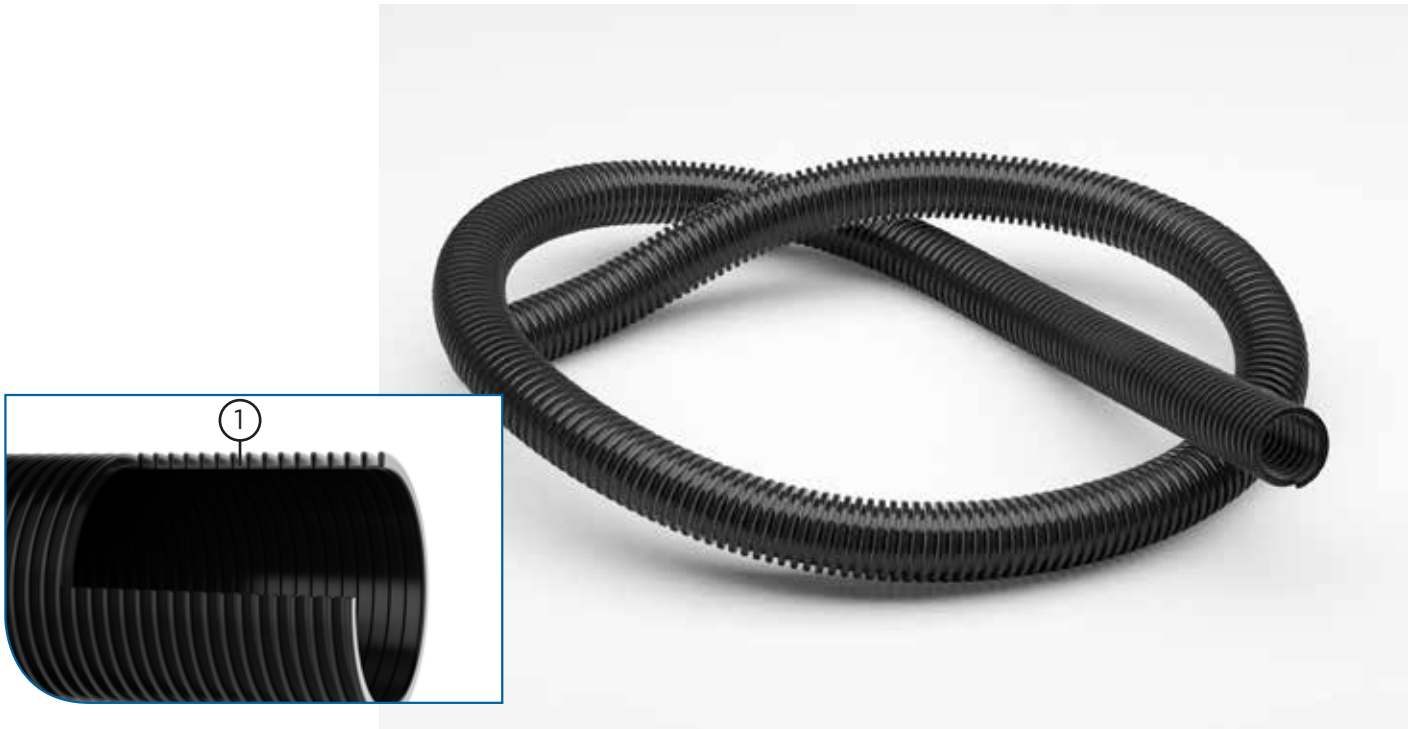
Clip-Grip Hose clamp, screwable



Hose Connector

## Master-VAC EL

PE-EVA Suction Hose & Transport Hose, lightweight, crush-resistant, electroconductive



### Material

- ① wall: PE-EVA Co-polymer

### Applications

- suction hose for fine-grained particles, e.g. dust, powders, fibres
- protective hose
- swimming pool cleaning
- ventilation
- conveyance and suction of solid, liquid and gaseous media
- chemicals industry
- dust removal units
- household vacuum cleaners
- industrial vacuum cleaners
- handheld machines

### Available on request

- available on request in other lengths, sizes and colours, with print.

### Properties

- surface resistance <math>< 10^6 \text{ Ohm}</math>
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- floatable (spec. Weight 0.94)
- crush-resistant
- super lightweight
- UV/ozone-proof
- air-tight / watertight

### Temperature Range

- -40°C to +60°C
- peaks to +70°C



Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
25	0,74	60	0,15	670-025-207	20
28	0,74	70	0,19	670-028-207	20
32	0,49	70	0,22	670-032-207	20
38	0,49	80	0,29	670-038-207	20
45	0,49	90	0,37	670-045-207	20
50	0,39	100	0,42	670-050-207	20

All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Subject to technical changes and colour deviations.

**Please note the changed article numbers.  
 The new article numbers can be found in the online product data sheets.**



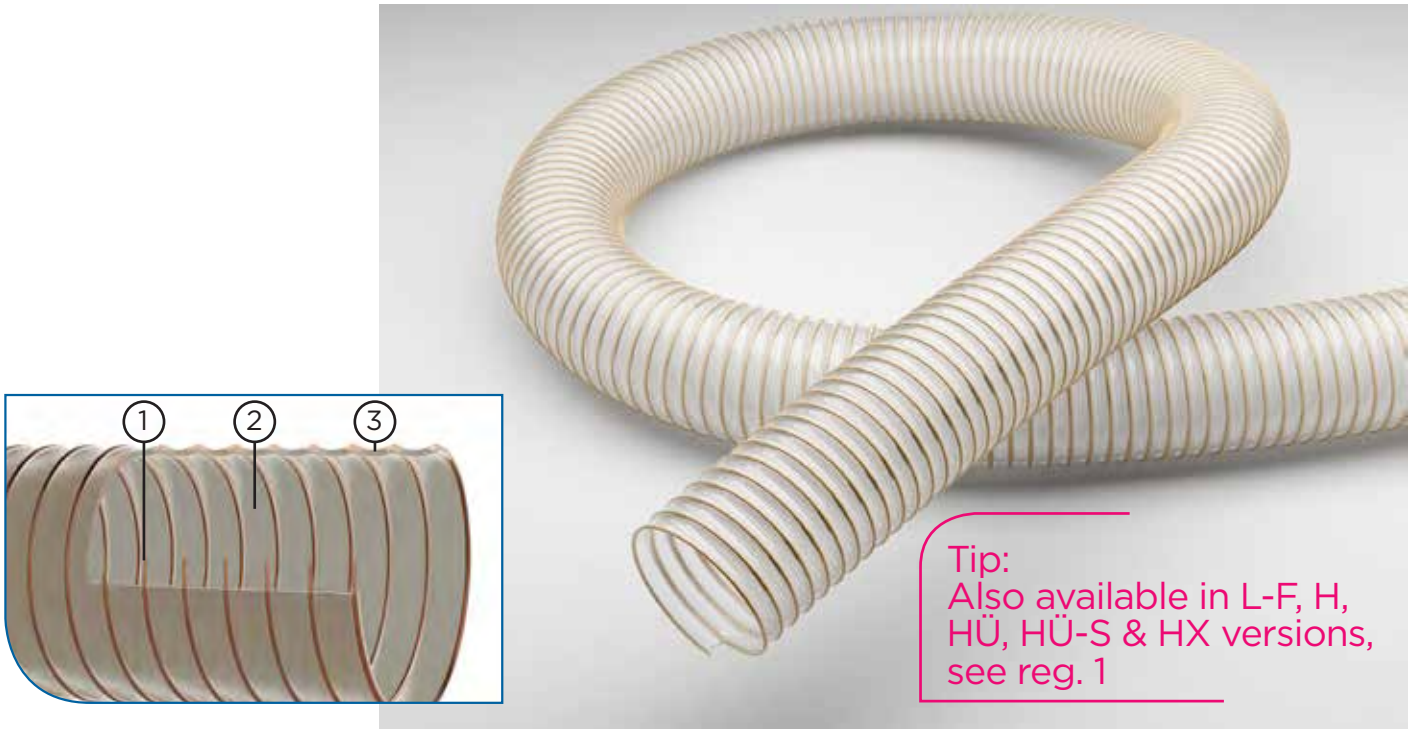
Hose Clamp with Worm-Gear Drive



Cuff for Master-VAC

## Master-PUR L Trivolution

PU Suction hose & Transport Hose, extremely flexible, light duty, microbe-resistant, hardly inflammable acc. to DIN 4102 B1



Tip:  
Also available in L-F, H,  
HÜ, HÜ-S & HX versions,  
see reg. 1

### Material

- ① spiral: spring steel wire
- ② wall: pure polyester polyurethane (acc. to DIN ISO 4649 more abrasion-resistant in comparison to polyether polyurethane)
- ③ wall thickness between spirals approx. 0.7 mm

### Applications

- suction/extraction of paper and textile fibres
- transport of fine-grained particles, such as dust and powder
- suction & transport hose for abrasive solids, liquids and gases
- protective hose against mechanical wear
- oil mist extraction/suction

### Available on request

- available on request in other lengths, sizes and colours, with print.

### Properties

- hardly inflammable acc. to DIN 4102 B1
- microbe-resistant
- permanently antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- light
- very good flexibility
- smallest bending radii
- halogen and plasticizer-free
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance

### Temperature Range

- -40°C to +90°C
- peaks to +125°C



Stock lengths and technical data / [www.masterflex.de/en](http://www.masterflex.de/en)

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no	max. production length m
26	3,22	0,79	31	31	0,25	110-026-401	25
32	2,52	0,71	40	40	0,35	110-032-401	25
38	2,1	0,66	46	46	0,39	110-038-401	25
40	2,1	0,66	48	48	0,4	110-040-401	25
45	1,84	0,59	53	53	0,42	110-045-401	25
51	1,68	0,52	58	58	0,48	110-051-401	25
55	1,54	0,44	63	63	0,51	110-055-401	25
60	1,4	0,44	68	68	0,53	110-060-401	25
65	1,26	0,37	73	73	0,64	110-065-401	25
70	1,12	0,37	78	78	0,68	110-070-401	25
76	1,12	0,29	84	84	0,72	110-076-401	25
80	0,98	0,29	88	88	0,76	110-080-401	25
90	0,84	0,22	99	99	0,88	110-090-401	25
102	0,84	0,22	110	110	0,95	110-102-401	25
110	0,7	0,22	119	119	1,03	110-110-401	25
115	0,7	0,22	124	124	1,06	110-115-401	25
120	0,7	0,22	129	129	1,12	110-120-401	25
127	0,7	0,22	135	135	1,18	110-127-401	25
130	0,56	0,22	139	139	1,2	110-130-401	25
140	0,56	0,15	149	149	1,38	110-140-401	25
152	0,56	0,15	161	161	1,48	110-152-401	25
160	0,56	0,15	170	170	1,74	110-160-401	25
170	0,42	0,15	180	180	1,8	110-170-401	25
175	0,42	0,15	185	185	1,85	110-175-401	25
180	0,42	0,15	190	190	1,9	110-180-401	25
203	0,42	0,15	214	214	2,3	110-203-401	25
225	0,28	0,07	235	235	2,55	110-225-401	25
254	0,28	0,07	264	264	3,02	110-254-401	25
275	0,28	0,07	284	284	3,11	110-275-401	25
280	0,28	0,07	290	290	3,14	110-280-401	20
300	0,25	0,07	310	310	3,2	110-300-401	20
315	0,25	0,07	325	325	3,32	110-315-401	20
325	0,25	0,07	335	335	3,4	110-325-401	20
350	0,13	0,07	360	360	3,6	110-350-401	20
375	0,13	0,05	386	386	3,85	110-375-401	20
400	0,13	0,05	410	411	4,45	110-400-401	20
450	0,13	0,05	460	461	5,06	110-450-401	20
500	0,13	0,05	510	511	5,7	110-500-401	20

All data refers to a medium and ambient temperature of +20 °C  
 \* Refers to the inner hose lining  
 Subject to technical changes and colour deviations.

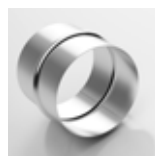
Please note the changed article numbers.  
 The new article numbers can be found in the online product data sheets.



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



PU Cuff, electroconductive



Combiflex PU Threaded Socket