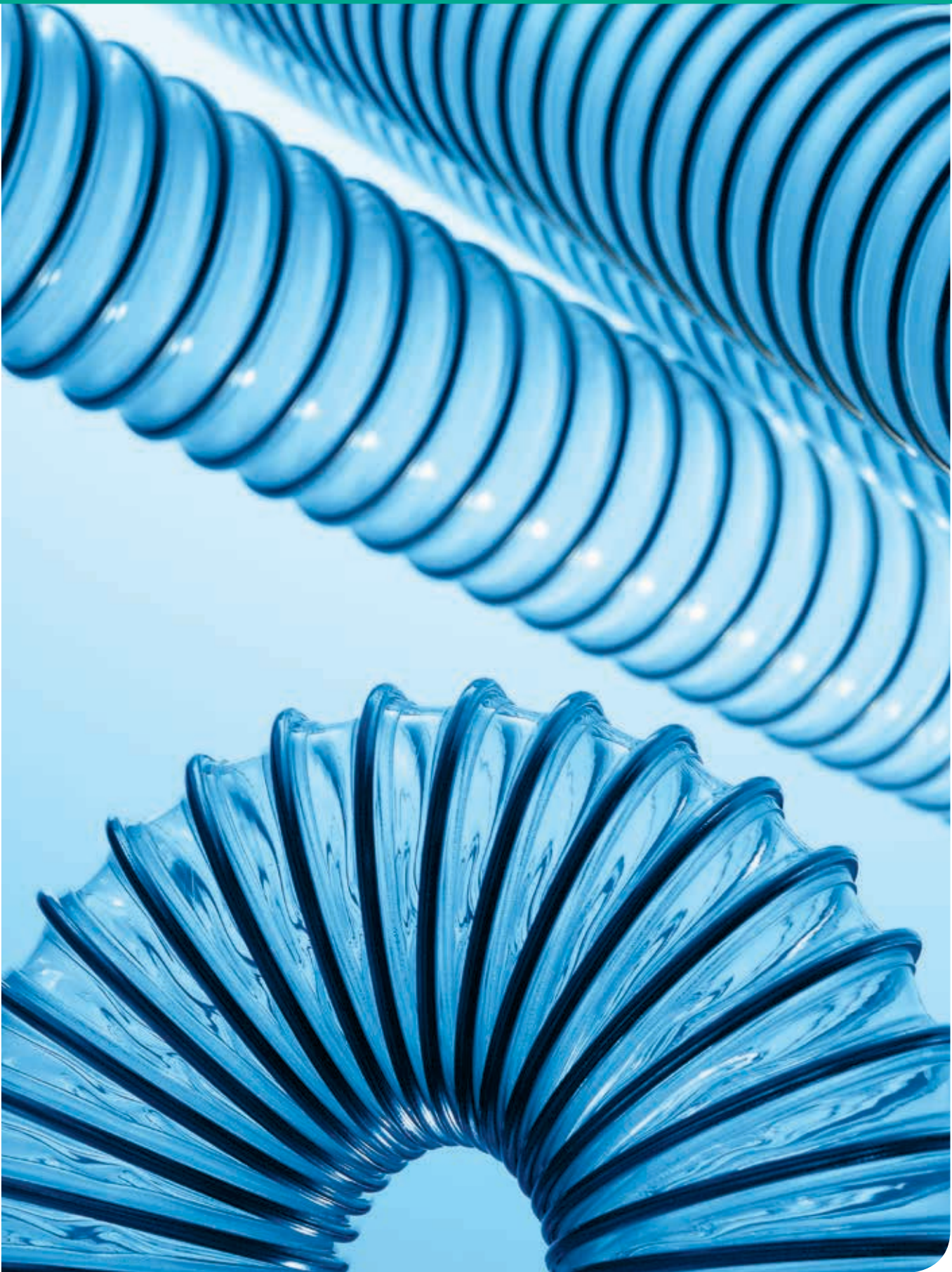




3

Microbe & Hydrolysis-Resistant Hoses

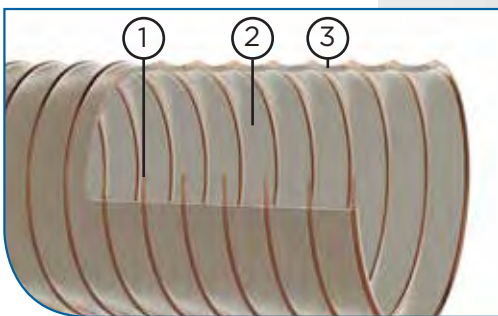
**Extremely flexible hoses made
from Polyester and Polyether
Polyurethane for a wide range of
applications**



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Master-PUR L Trivolution

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



Tip:
Also available in L-F, H,
HÜ, HÜ-S & HX version

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
- acc. to DIN 26057 type II

Temperature Range

- -40°C to +90°C
- peaks to +125°C



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.

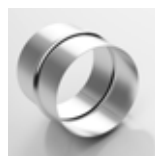
The new article numbers can be found in the online product data sheets.



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



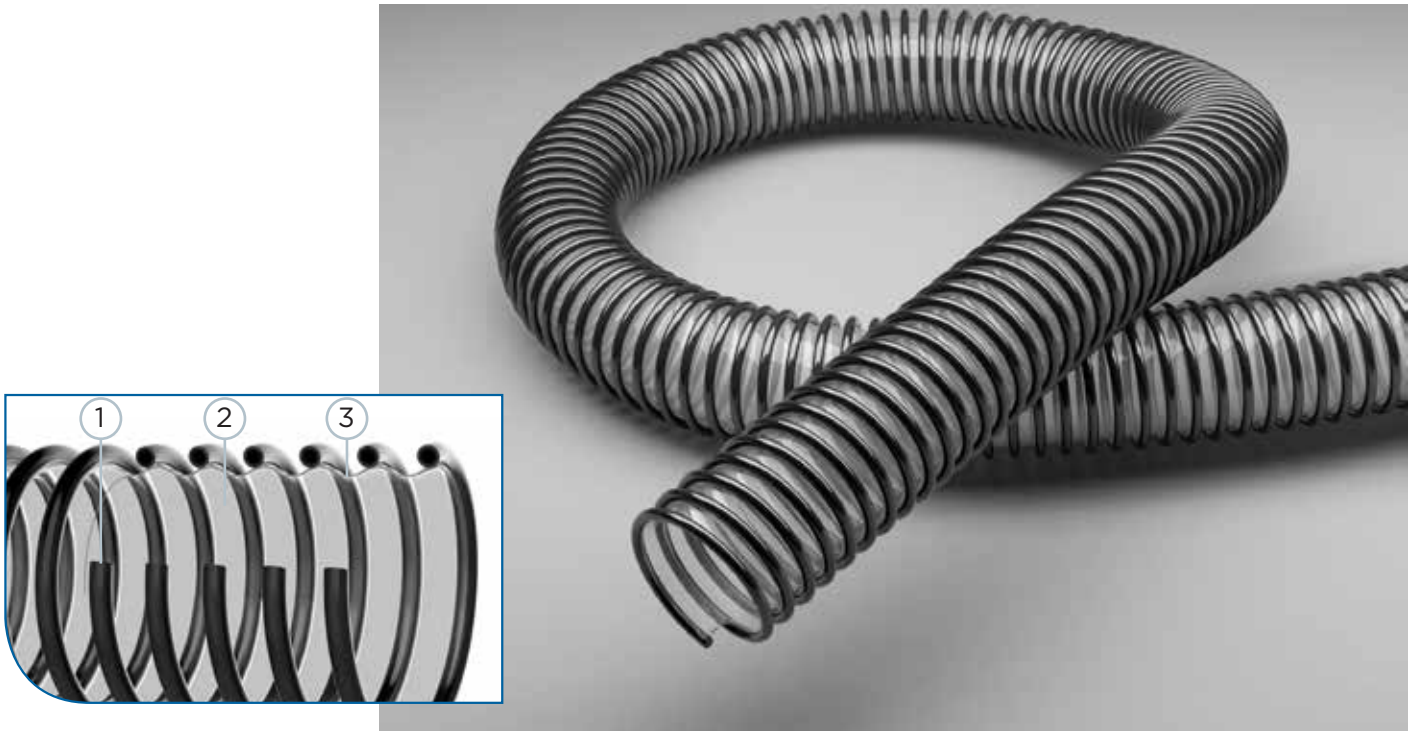
PU Cuff, electroconductive



Combiflex PU Threaded Socket

Master-PUR STEP MHR

PU Film Hose, crush-resistant, microbe & hydrolysis-resistant



Material

- ① spiral: plastic-profile helix
- ② wall: pure polyether polyurethane, microbe resistant
- ③ Wall thickness between spirals c. 0.6 mm

Applications

- suction & transport hose for abrasive solids, for which microbe and hydrolysis resistance is required
- light suction hose for municipal vehicles
- lawnmowers
- leaf vacuums/blowers

Available on request

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

Properties

- high tension/tear-proof
- vibration-proof
- flexible at cold temperatures
- extremely flexible
- crush-resistant
- mostly smooth inner lining
- microbe and hydrolysis-resistant
- free of halogens and heavy metals
- light
- smallest bending radii
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- generally good UV and ozone resistance
- acc. to TRGS 727 and ATEX 2014/34 EU, with earthing at both ends of the spiral for non-flammable dust/bulk solids in Zone 22. For gases/liquids with low conductivity of electrostatic charges in Zone 2.

Temperature Range

- -40°C to +90°C
- peaks to +125°C



Aktuelle Lagerlängen und technische Daten / www.masterflex.de

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
80	0,8	0,31	80	100	0,72	311-080-498	25
100	0,7	0,28	98	118	0,87	311-100-498	25
102	0,7	0,28	100	120	0,88	311-102-498	25
120	0,63	0,23	120	140	1,05	311-120-498	25
150	0,51	0,17	148	168	1,28	311-150-498	25
152	0,5	0,17	150	170	1,3	311-152-498	25
160	0,45	0,15	160	180	1,39	311-160-498	25
180	0,4	0,11	180	200	1,56	311-180-498	25
200	0,31	0,08	197	217	1,7	311-200-498	25
203	0,3	0,07	200	220	1,72	311-203-498	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.

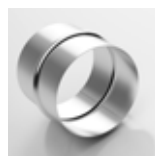
Please note the changed article numbers.
The new article numbers can be found in the online product data sheets.



Car-Grip Quick-Fix Clamp



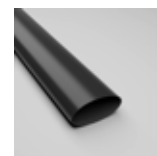
Car-Grip Hose Clamp, screwable



Hose Connector



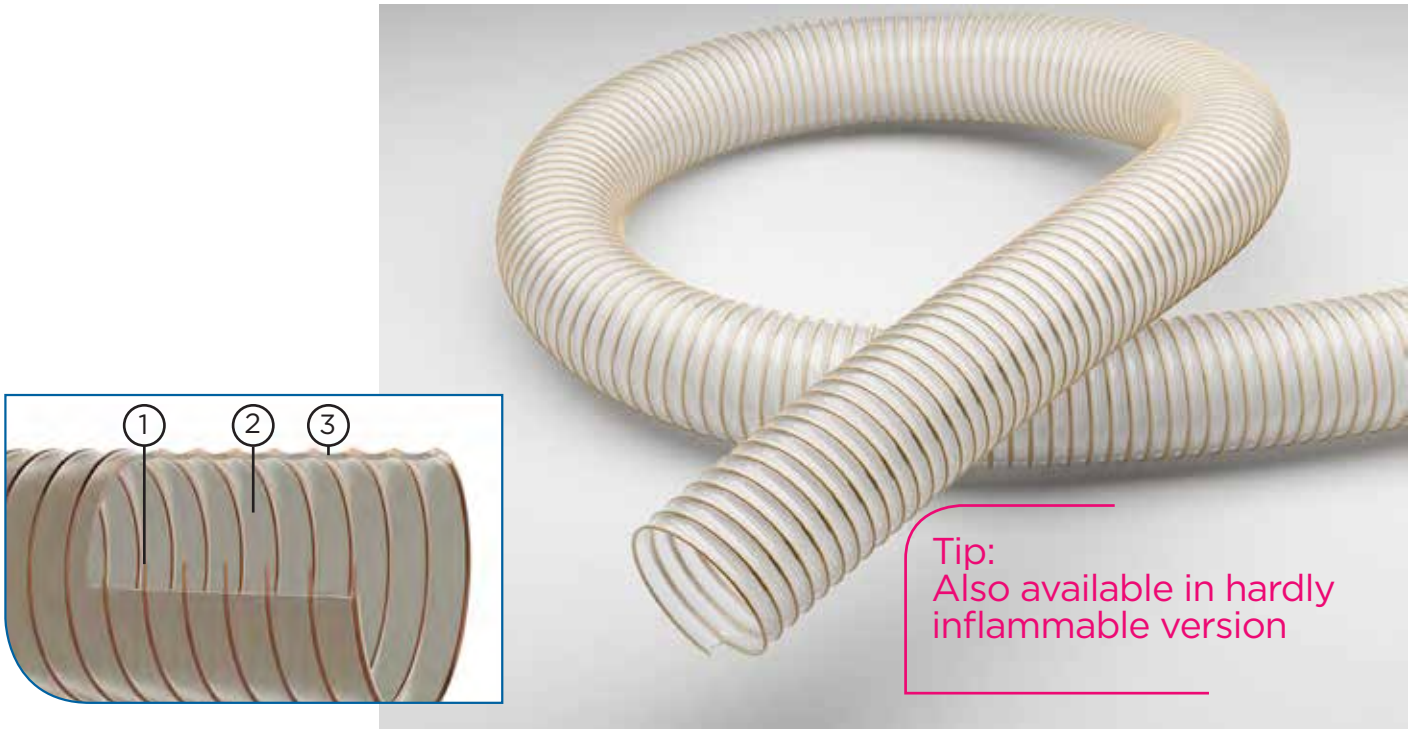
PU Cuff, pre-fitted



Heat-Shrink Cuff

Master-PUR L MHR

PU Suction & Transport Hose, lightweight, microbe & hydrolysis-resistant



Material

- ① spiral: spring steel wire
- ② wall: pure polyether polyurethane
- 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 other lengths, sizes and colours, with print.

Properties

- microbe and hydrolysis-resistant
- very good flexibility
- light
- halogen and plasticizer-free
- smallest bending radii
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- acc. to TRGS 727 and ATEX 2014/34 EU, with earthing at both ends of the spiral for non-flammable dust/bulk solids in Zone 22. For gases/liquids with low conductivity of electrostatic charges in Zone 2.
- acc. to DIN 26057 type II

Temperature Range

- -40°C to +90°C
- peaks to +125°C



Aktuelle Lagerlängen und technische Daten / www.masterflex.de

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	3,02	110-254-498	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.

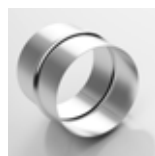
Please note the changed article numbers.
The new article numbers can be found in the online product data sheets.



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



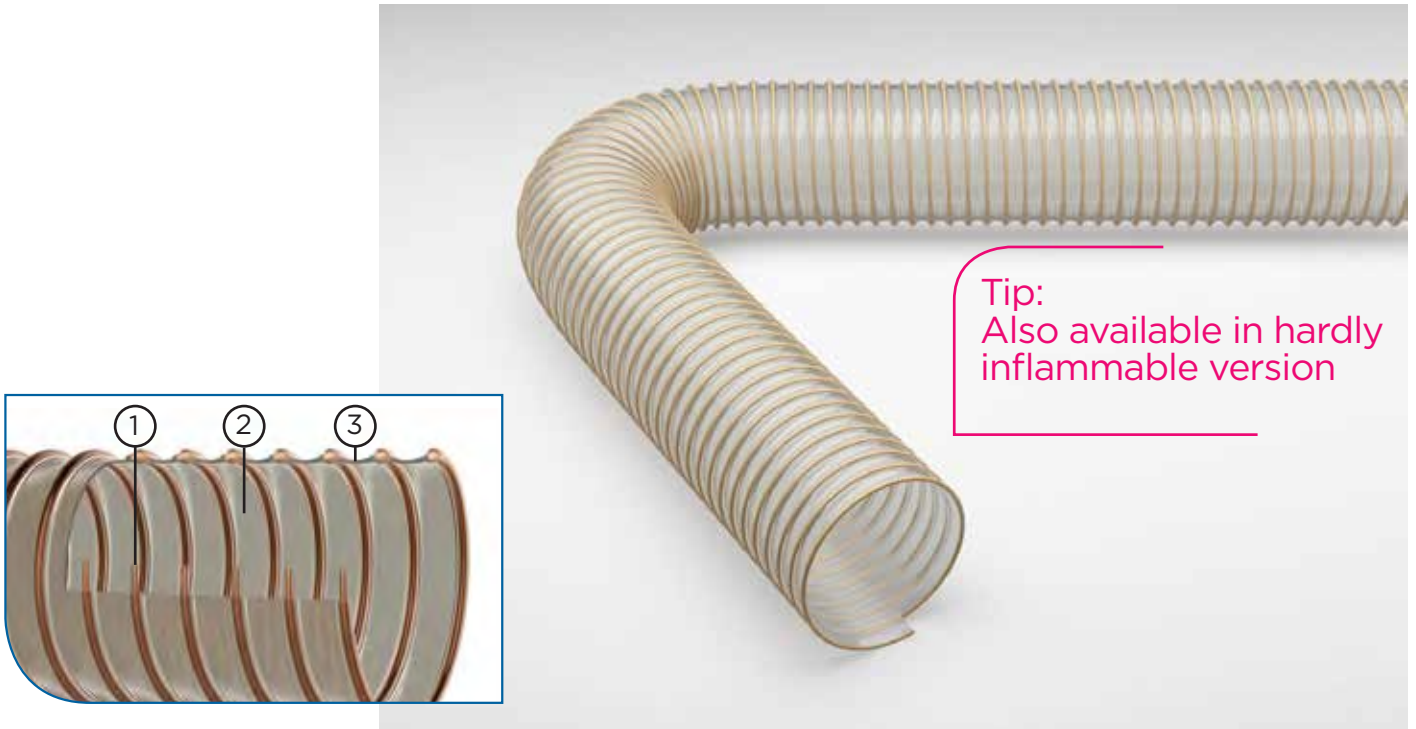
PU Cuff, electroconductive



Combiflex PU Threaded Socket

Master-PUR H MHR

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



Material

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

Applications

- suction & transport hose for abrasive solids, for which microbe and hydrolysis resistance is required
- granulate transport hose
- standard hose for industrial vacuum cleaners
- transport of chips/shavings
- oil mist extraction/suction
- suction and transport of paper fibres

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
- increased pressure and vacuum resistance
- microbe and hydrolysis-resistant
- halogen and plasticizer-free
- optimum flow characteristics
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- acc. to TRGS 727 and ATEX 2014/34 EU, with earthing at both ends of the spiral for non-flammable dust/bulk solids in Zone 22. For gases/liquids with low conductivity of electrostatic charges in Zone 2.
- acc. to DIN 26057 type III

Temperature Range

- -40°C to +90°C
- peaks to +125°C



Aktuelle Lagerlängen und technische Daten / www.masterflex.de

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	111-016-498	25
20	4,3	0,92	43	26	0,22	111-020-498	25
26	4,16	0,92	47	33	0,29	111-026-498	25
32	3,25	0,92	60	41	0,39	111-032-498	25
38	3,12	0,82	69	47	0,46	111-038-498	25
40	3	0,82	72	49	0,52	111-040-498	25
45	2,95	0,81	80	55	0,55	111-045-498	25
51	2,9	0,79	87	61	0,71	111-051-498	25
55	2,75	0,76	95	65	0,77	111-055-498	25
60	2,55	0,74	102	70	0,82	111-060-498	25
65	2,4	0,66	112	75	0,91	111-065-498	25
70	2,25	0,66	117	80	0,97	111-070-498	25
76	2	0,59	126	87	1,03	111-076-498	25
80	2	0,59	132	91	1,11	111-080-498	25
90	1,65	0,52	149	101	1,25	111-090-498	25
102	1,5	0,44	165	112	1,48	111-102-498	25
110	1,35	0,44	179	121	1,61	111-110-498	25
115	1,35	0,31	186	126	1,68	111-115-498	25
120	1,3	0,31	194	131	1,75	111-120-498	25
127	1,3	0,31	203	138	1,91	111-127-498	25
130	1,3	0,31	209	141	1,96	111-130-498	25
140	1,05	0,25	224	151	2,02	111-140-498	25
152	1,05	0,25	242	163	2,10	111-152-498	25
160	0,9	0,25	255	171	2,35	111-160-498	25
170	0,9	0,18	270	181	2,67	111-170-498	25
175	0,9	0,18	278	186	2,74	111-175-498	25
180	0,75	0,18	285	191	2,82	111-180-498	25
203	0,75	0,18	321	215	3,5	111-203-498	25
225	0,6	0,12	353	237	3,65	111-225-498	25
254	0,58	0,12	396	267	3,84	111-254-498	25
275	0,45	0,12	426	288	4,22	111-275-498	25
280	0,45	0,12	435	293	4,3	111-280-498	25
300	0,45	0,12	465	313	4,94	111-300-498	20
315	0,45	0,12	488	328	5,19	111-315-498	20
325	0,45	0,12	503	338	5,35	111-325-498	20
350	0,45	0,12	540	363	6,96	111-350-498	20
400	0,3	0,07	615	413	7,95	111-400-498	20
450	0,3	0,07	690	463	8,94	111-450-498	20
500	0,3	0,07	765	513	9,93	111-500-498	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.

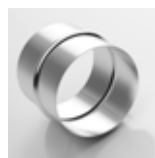
The new article numbers can be found in the online product data sheets.



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



PU Cuff, electroconductive



Combiflex PU Threaded Socket

Streetmaster GKS

PU Large Street-Cleaner Suction Hose, highly abrasion / vacuum / microbe-resistant



Material

- ① spiral: spring steel wire
- ② wall: pure polyether polyurethane, microbe resistant
- ③ wall thickness between spirals approx. 1.8 - 3.4 mm

Applications

- municipal and waste disposal vehicles
- suction dredger hose
- suction hose for larger sweepers
- suction & transport hose for abrasive solids, which require microbe resistance

Available on request

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

Properties

- extremely abrasion resistant
- axial compressable
- microbe-resistant
- flexible
- lightweight (compared to rubber)
- optimum flow characteristics
- high tensile strength
- generally good UV and ozone resistance

Temperature Range

- -40°C to +90°C
- peaks to +125°C



DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
225	0,6	0,36	525	240	4,7	130-225-407	20
250	0,6	0,32	585	269	5,4	130-250-407	20
280	0,5	0,28	655	295	6,3	130-280-407	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.**



Combiflex PU fixed flange



Hose Clamp with Bolts



PU Cuff, pre-fitted flange

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Streetmaster KKS

PU suction hose for smaller street cleaning machines, abrasion / vacuum / microbe-resistant



Material

- ① spiral: spring steel wire
- ② wall: pure polyether polyurethane, microbe resistant
- ③ wall thickness between spirals approx. 1.7 mm

Applications

- municipal and waste disposal vehicles
- suction dredger hose
- suction hose for smaller sweepers
- suction & transport hose for abrasive solids, which require microbe resistance

Available on request

- available on request in other lengths, sizes and colours, with print.
- those marked with # only available with Streetmaster Cuffs
- available from stock in black (-407) and transparent (-401)

Properties

- extremely abrasion resistant
- axial compressable
- microbe-resistant
- flexible
- lightweight (compared to rubber)
- optimum flow characteristics
- high tensile strength
- generally good UV and ozone resistance

Temperature Range

- -40°C to +90°C
- peaks to +125°C



Aktuelle Lagerlängen und technische Daten / www.masterflex.de

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
200	0,65	0,15	266	221	2,8	131-201-407#	20
200	0,65	0,15	266	228	2,8	131-208-407	20
200	0,65	0,15	266	221	2,8	131-201-401#	20
200	0,65	0,15	266	228	2,8	131-208-401	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.**



Combiflex PU fixed flange



Hose Clamp with Bolts



PU Cuff, pre-fitted

Streetmaster GLG

PU hose for larger leaf and grass suction devices, microbe-resistant



Material

- ① spiral: spring steel wire
- ② wall: pure polyether polyurethane, microbe resistant
- ③ wall thickness between spirals approx. 1.7 mm

Applications

- transport hose for abrasive solids, which require microbe resistance
- slope cutters
- leaf vacuums/blowers

Available on request

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

Properties

- extremely abrasion resistant
- axial compressable
- microbe-resistant
- flexible
- lightweight (compared to rubber)
- optimum flow characteristics
- high tensile strength
- generally good UV and ozone resistance

Temperature Range

- -40°C to +90°C
- peaks to +125°C



Aktuelle Lagerlängen und technische Daten / www.masterflex.de

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
400	0,35	0,05	510	414	6,5	133-400-407	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 Bolts



PU Cuff, pre-fitted