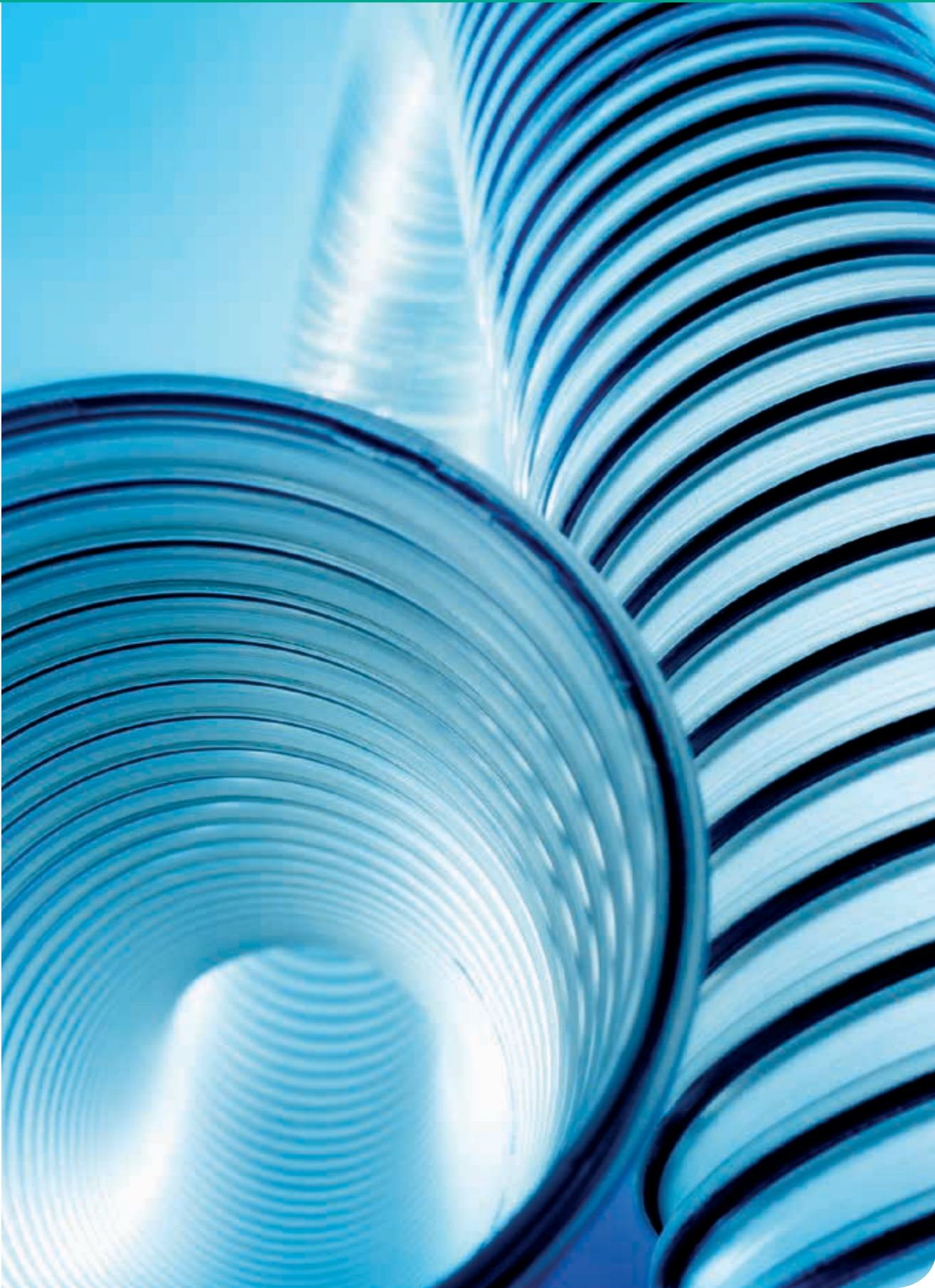




Abrasion-Resistant Suction & Transport Hoses made from PU / Hardly Inflammable Hoses

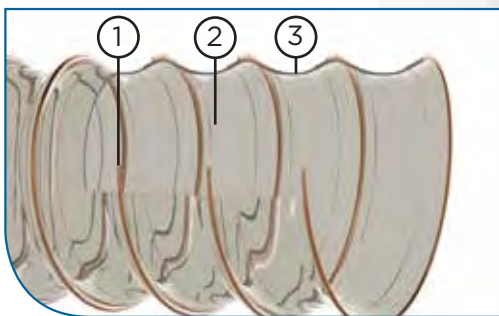
Suction and transport hoses made from polyurethane, especially suitable for transporting abrasive media and applications in the wood-working industry, excellent durability



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Flamex B-F se

PU Foil Hose, highly flexible and compressible, hardly inflammable acc. to DIN 4102 B1



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. 0.5 mm

Applications

- hardly inflammable transport hose for abrasive solids
- wood processing machines
- shavings extractions in wood processing
- protective hose against mechanical wear

Available on request

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

Properties

- hardly inflammable acc. to DIN 4102 B1
- acc. to requirements of the Holz-BG standard, BGI 739-2
- symmetrical fold behaviour
- extremely compressible to approx. 1:4
- highly flexible
- very light
- permanently kink resistant
- 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 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 I

Temperature Range

- -40°C to +90°C
- peaks to +125°C



Stock lengths and technical data / 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
40	0,82	0,24	20	46	0,26	310-040-601	25
45	0,8	0,22	22	51	0,28	310-045-601	25
50	0,79	0,21	24	56	0,31	310-050-601	25
51	0,78	0,2	25	57	0,32	310-051-601	25
60	0,76	0,19	35	68	0,37	310-060-601	25
63	0,72	0,17	37	71	0,39	310-063-601	25
65	0,68	0,16	38	73	0,4	310-065-601	25
70	0,61	0,16	40	78	0,43	310-070-601	25
75	0,61	0,15	42	82	0,5	310-075-601	25
76	0,61	0,13	43	83	0,52	310-076-601	25
80	0,53	0,13	45	88	0,55	310-080-601	25
90	0,46	0,09	50	99	0,61	310-090-601	25
100	0,46	0,09	53	106	0,67	310-100-601	25
102	0,46	0,09	55	108	0,69	310-102-601	25
110	0,38	0,09	60	119	0,75	310-110-601	25
115	0,38	0,09	63	124	0,78	310-115-601	25
120	0,38	0,09	65	129	0,81	310-120-601	25
125	0,38	0,09	67	135	0,83	310-125-601	25
127	0,38	0,09	68	136	0,85	310-127-601	25
130	0,3	0,09	70	139	0,88	310-130-601	25
140	0,3	0,06	75	149	0,95	310-140-601	25
150	0,3	0,06	78	157	1,01	310-150-601	25
152	0,3	0,06	80	159	1,02	310-152-601	25
160	0,3	0,06	85	169	1,08	310-160-601	25
170	0,23	0,06	90	179	1,07	310-170-601	25
175	0,23	0,06	93	184	1,1	310-175-601	25
180	0,23	0,06	95	189	1,13	310-180-601	25
200	0,23	0,06	103	208	1,24	310-200-601	25
203	0,23	0,06	105	210	1,26	310-203-601	25
225	0,15	0,03	118	235	1,41	310-225-601	25
250	0,15	0,03	128	257	1,56	310-250-601	25
254	0,15	0,03	130	260	1,58	310-254-601	25
280	0,15	0,03	145	290	1,92	310-280-601	25
300	0,14	0,03	155	310	2,07	310-300-601	25
350	0,12	0,02	180	360	2,4	310-350-601	25
400	0,12	0,02	210	410	2,74	310-400-601	25

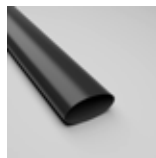
All data refers to a medium and ambient temperature of +20 °C.
 * Refers to the inner hose lining
 from DN 90 compressed and net-packed
 Subject to technical changes and colour deviations.

Please note the changed article numbers.

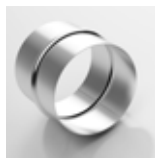
The new article numbers can be found in the online product data sheets.



Hose Reducer, symmetrical



Heat-Shrink Cuff



Hose Connector



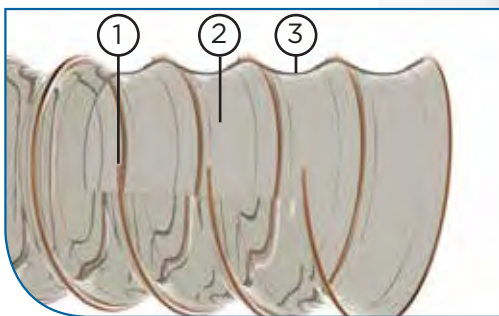
Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp

Flamex B-F se for machining centers

PU Foil Hose, highly flexible and compressible, hardly inflammable acc. to DIN 4102 B1



Material

- ① spiral: reinforced 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. 0.5 mm

Applications

- hardly inflammable transport hose for abrasive solids
- wood processing machines
- extractor units with greater suction performance
- protective hose against mechanical wear
- chip suction/extraction with CNC controlled processing machines

Available on request

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

Properties

- hardly inflammable acc. to DIN 4102 B1
- acc. to requirements of the Holz-BG standard, BGI 739-2
- symmetrical fold behaviour
- extremely compressible to approx. 1:4
- highly flexible
- permanently kink resistant
- 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 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

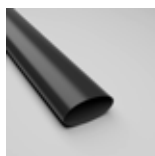


Stock lengths and technical data / www.masterflex.de/en

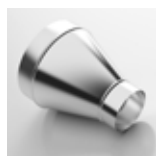
DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
200	0,83	0,25	211	211	1,94	310-200-903	25
225	0,8	0,22	235	235	2,39	310-225-902	25
250	0,76	0,18	262	262	2,85	310-250-902	25
280	0,73	0,14	290	290	3,4	310-280-901	25
300	0,7	0,11	312	312	3,76	310-300-902	25
315	0,68	0,09	325	325	4,05	310-315-901	25
350	0,63	0,04	362	362	4,67	310-350-901	25
400	0,56	0,02	412	412	5,58	310-400-903	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.

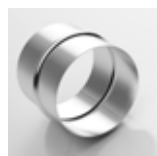
Please note the changed article numbers.
 The new article numbers can be found in the online product data sheets.



Heat-Shrink Cuff



Hose Reducer, symmetrical



Hose Connector



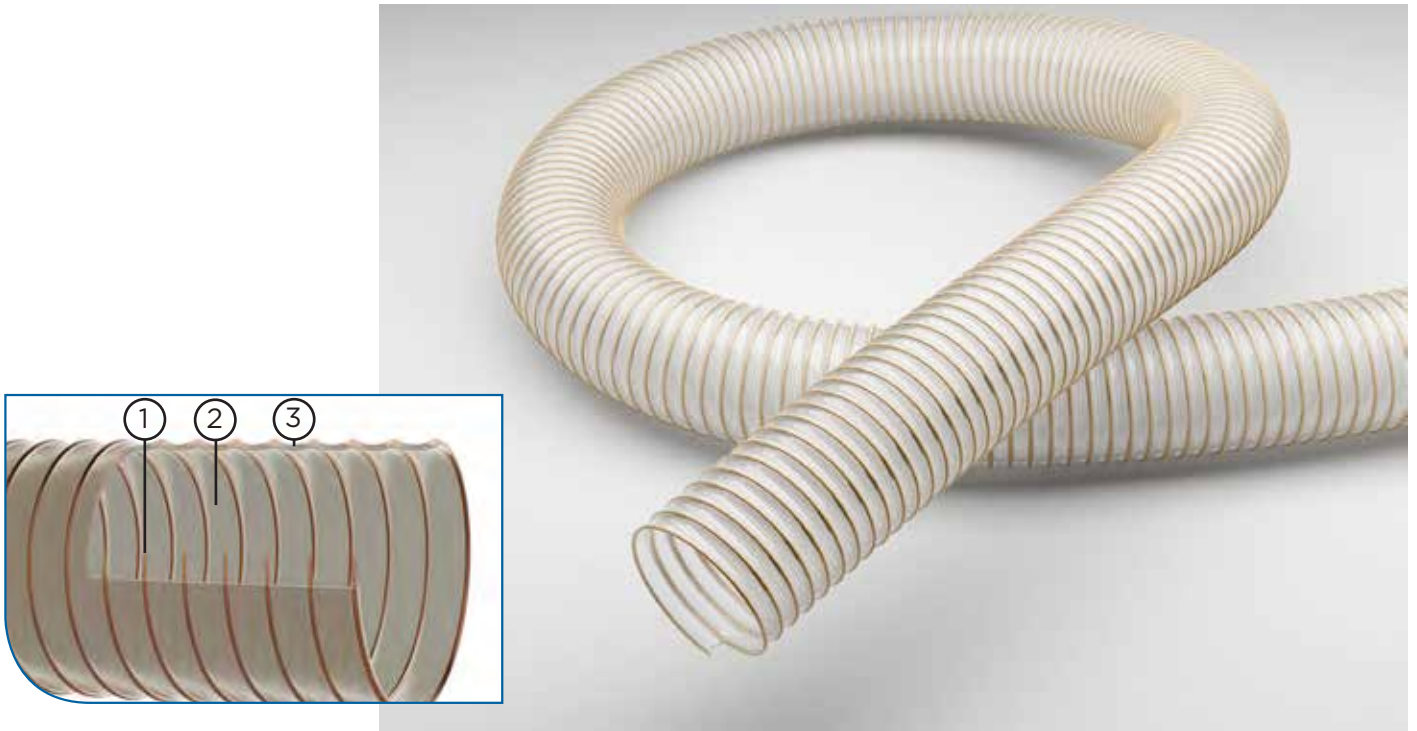
Master-Grip Quick-Fix Clamp



Master-Grip Hose Clamp, screwable

Flamex B se

PU Suction Hose & Transport Hose, lightweight and flexible, hardly inflammable acc. to DIN 4102 B1



Material

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

Applications

- hardly inflammable transport hose for abrasive solids
- wood processing machines
- shavings extractions in wood processing
- protective hose against mechanical wear

Available on request

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

Properties

- hardly inflammable acc. to DIN 4102 B1
- acc. to requirements of the Holz-BG standard, BGI 739-2
- very light
- permanently kink resistant
- very good flexibility
- smallest bending radii
- halogen and plasticizer-free
- optimum flow characteristics
- 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.
- 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

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
40	1,89	0,46	48	48	0,3	120-040-601	25
50	1,59	0,39	58	57	0,37	120-050-601	25
51	1,51	0,36	58	58	0,38	120-051-601	25
60	1,26	0,31	68	68	0,5	120-060-601	25
63	1,2	0,28	71	71	0,52	120-063-601	25
65	1,13	0,26	73	73	0,54	120-065-601	25
70	1,01	0,26	78	78	0,58	120-070-601	25
75	1,01	0,21	84	83	0,61	120-075-601	25
76	0,94	0,21	85	85	0,62	120-076-601	25
80	0,88	0,21	88	88	0,65	120-080-601	25
90	0,76	0,15	99	99	0,8	120-090-601	25
100	0,76	0,15	110	108	0,94	120-100-601	25
102	0,71	0,15	111	111	0,95	120-102-601	25
110	0,63	0,15	119	119	0,97	120-110-601	25
115	0,63	0,15	124	124	0,98	120-115-601	25
120	0,63	0,15	129	129	1	120-120-601	25
125	0,63	0,15	135	134	1,07	120-125-601	25
127	0,59	0,15	137	137	1,08	120-127-601	25
130	0,5	0,15	139	139	1,14	120-130-601	25
140	0,5	0,1	149	149	1,21	120-140-601	25
150	0,5	0,1	161	159	1,27	120-150-601	25
152	0,5	0,1	162	162	1,3	120-152-601	25
160	0,5	0,1	170	169	1,42	120-160-601	25
170	0,38	0,1	180	179	1,56	120-170-601	25
175	0,38	0,1	185	184	1,63	120-175-601	25
180	0,38	0,1	190	189	1,7	120-180-601	25
200	0,38	0,1	210	210	1,98	120-200-601	25
203	0,36	0,09	213	213	2	120-203-601	25
225	0,25	0,05	235	235	2,18	120-225-601	25
250	0,25	0,05	260	260	2,33	120-250-601	25
254	0,25	0,05	264	264	2,36	120-254-601	25
275	0,25	0,05	284	285	2,47	120-275-601	25
280	0,25	0,05	290	290	2,6	120-280-601	25
300	0,23	0,05	310	310	3,2	120-300-601	20
315	0,23	0,05	325	325	3,32	120-315-601	20
325	0,23	0,05	335	335	3,4	120-325-601	20
350	0,12	0,05	360	360	3,6	120-350-601	20
400	0,12	0,05	410	411	4,45	120-400-601	20
450	0,12	0,05	460	461	5,06	120-450-601	20
500	0,12	0,04	510	511	5,7	120-500-601	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.

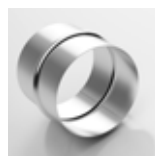
The new article numbers can be found in the online product data sheets.



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



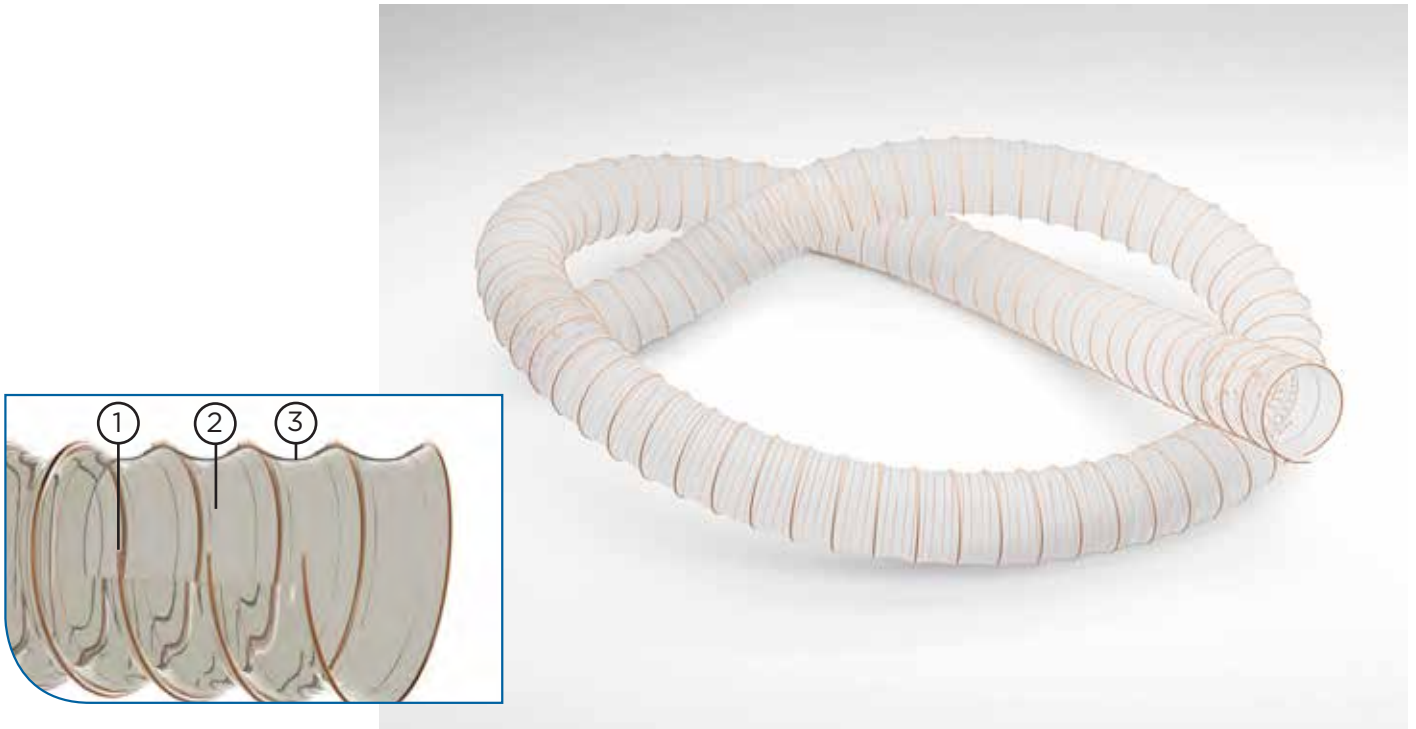
Hose Connector



Combiflex PU Threaded Socket

Master-PUR LF Trivolution

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



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. 0.4 - 0.5mm

Applications

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

Available on request

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

Properties

- hardly inflammable acc. to DIN 4102 B1
- extremely compressible to approx. 1:5
- microbe-resistant
- symmetrical fold behaviour
- permanently antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>
- highly flexible
- very light
- permanently kink resistant
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- halogen and plasticizer-free
- smallest bending radii
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- acc. to DIN 26057 type I

Temperature Range

- -40°C to +90°C
- peaks to +125°C



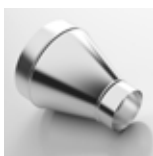
Stock lengths and technical data / www.masterflex.de/en

DN	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no.	max. production length m
40	0,19	22	45	0,15	305-040-101	25
45	0,18	24	50	0,16	305-045-101	25
50	0,16	25	55	0,18	305-050-101	25
51	0,16	26	56	0,18	305-051-101	25
60	0,15	30	65	0,21	305-060-101	25
63	0,14	32	68	0,22	305-063-101	25
65	0,13	33	70	0,23	305-065-101	25
70	0,13	35	75	0,28	305-070-101	25
75	0,11	37	80	0,3	305-075-101	25
76	0,1	38	81	0,3	305-076-101	25
80	0,1	40	85	0,32	305-080-101	25
90	0,07	45	95	0,35	305-090-101	25
100	0,07	50	105	0,4	305-100-101	25
102	0,07	51	107	0,41	305-102-101	25
110	0,07	55	115	0,44	305-110-101	25
115	0,07	57	120	0,46	305-115-101	25
120	0,07	60	125	0,48	305-120-101	25
125	0,07	63	130	0,49	305-125-101	25
127	0,07	64	132	0,5	305-127-101	25
130	0,07	65	135	0,52	305-130-101	25
140	0,05	70	145	0,55	305-140-101	25
150	0,05	75	155	0,59	305-150-101	25
152	0,05	76	157	0,6	305-152-101	25
160	0,05	80	165	0,69	305-160-101	25
170	0,05	85	175	0,73	305-170-101	25
175	0,05	87	180	0,75	305-175-101	25
180	0,05	90	185	0,77	305-180-101	25
200	0,05	100	205	0,92	305-200-101	25
203	0,05	102	208	0,94	305-203-101	25
250	0,05	125	255	1,11	305-250-101	25
254	0,02	127	259	1,12	305-254-101	25
275	0,02	138	282	1,22	305-275-101	25
280	0,02	140	285	1,22	305-280-101	25
305	0,02	153	310	1,34	305-305-101	25
315	0,02	158	320	1,38	305-315-101	/
325	0,02	163	330	1,42	305-325-101	25
350	0,02	175	355	1,53	305-350-101	25
400	0,02	200	405	1,74	305-400-101	25

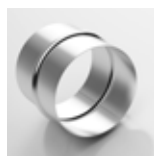
All data refers to a medium and ambient temperature of +20 °C.
 * Refers to the inner hose lining
 Subject to technical changes and colour deviations.

Please note the changed article numbers.

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



Hose Reducer, symmetrical



Hose Connector



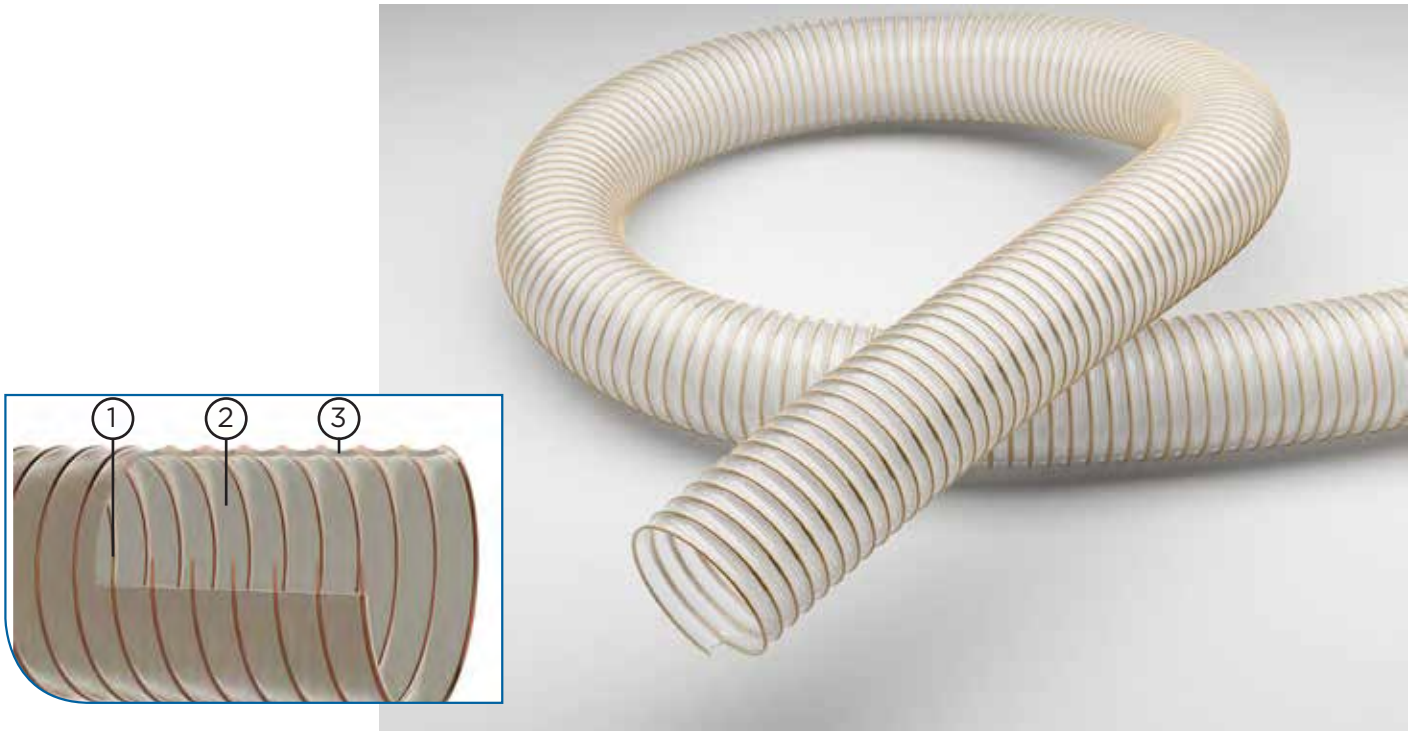
Master-Grip Quick-Fix Clamp



Master-Grip Hose Clamp, screwable

Master-PUR L Trivolution

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



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
- granulate transport hose
- 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
- 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 DIN 26057 type II

Temperature Range

- -40°C to +90°C
- peaks to +125°C



Stock lengths and technical data / 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.

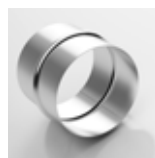
The new article numbers can be found in the online product data sheets.



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



PU Cuff, electroconductive



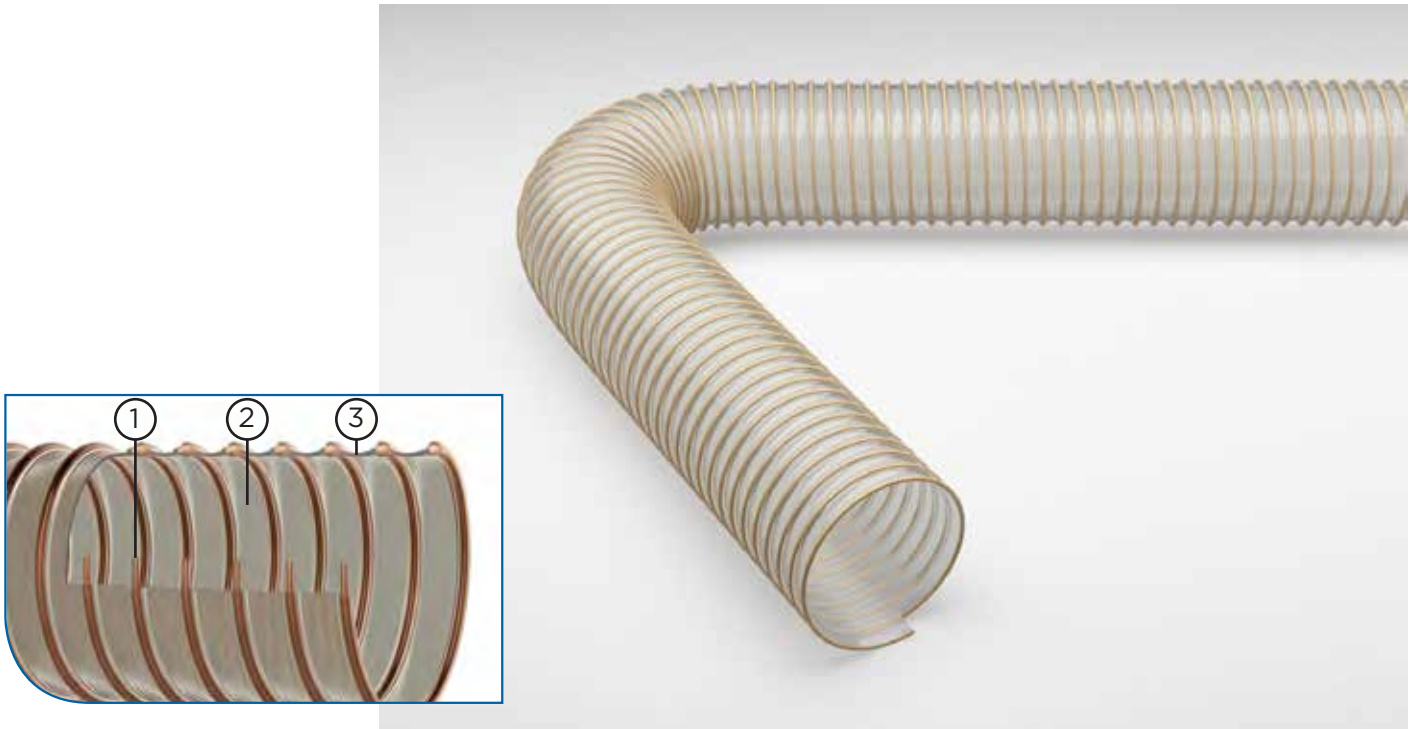
Combiflex PU Threaded Socket



Further connections available on request

Master-PUR H Trivolution

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



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. 1.4 mm

Applications

- suction of coarse-grained media with high flow rate
- granulate transport hose
- for abrasive solids, gaseous and liquid media
- 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 other lengths, sizes and colours, with print.

Properties

- hardly inflammable acc. to DIN 4102 B1
- small bending radii
- medium duty
- microbe-resistant
- good flexibility
- permanently antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- 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

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no	max. production length m
13	4,7	0,92	38	19	0,15	111-013-401	25
16	4,5	0,92	40	22	0,2	111-016-401	25
20	4,3	0,92	43	26	0,22	111-020-401	25
26	4,16	0,92	47	33	0,29	111-026-401	25
32	3,25	0,92	60	41	0,39	111-032-401	25
38	3,12	0,82	69	47	0,46	111-038-401	25
40	3	0,82	72	49	0,49	111-040-401	25
45	2,95	0,81	80	55	0,55	111-045-401	25
51	2,9	0,82	87	61	0,71	111-051-401	25
55	2,75	0,76	95	65	0,77	111-055-401	25
60	2,55	0,74	102	70	0,84	111-060-401	25
65	2,4	0,66	112	75	0,91	111-065-401	25
70	2,25	0,66	117	80	0,97	111-070-401	25
76	2	0,59	126	87	1,06	111-076-401	25
80	2	0,59	132	91	1,11	111-080-401	25
90	1,65	0,52	149	101	1,25	111-090-401	25
102	1,5	0,44	165	112	1,48	111-102-401	25
110	1,35	0,46	179	121	1,61	111-110-401	25
115	1,35	0,31	186	126	1,68	111-115-401	25
120	1,3	0,31	194	131	1,75	111-120-401	25
127	1,3	0,31	203	138	1,91	111-127-401	25
130	1,3	0,31	209	141	1,96	111-130-401	25
140	1,05	0,26	224	151	2,11	111-140-401	25
152	1,05	0,26	242	163	2,29	111-152-401	25
160	0,9	0,25	255	171	2,51	111-160-401	25
170	0,9	0,18	270	181	2,67	111-170-401	25
175	0,9	0,18	278	186	2,74	111-175-401	25
180	0,75	0,18	285	191	2,82	111-180-401	25
203	0,75	0,18	321	215	3,5	111-203-401	25
225	0,6	0,12	353	237	3,65	111-225-401	25
254	0,58	0,12	396	267	3,91	111-254-401	25
275	0,45	0,12	426	288	4,22	111-275-401	25
280	0,45	0,12	435	293	4,3	111-280-401	25
300	0,45	0,12	465	313	4,94	111-300-401	20
315	0,45	0,12	488	328	5,19	111-315-401	20
325	0,45	0,12	503	338	5,35	111-325-401	20
350	0,45	0,12	540	363	6,96	111-350-401	20
375	0,3	0,07	580	388	7,45	111-375-401	20
400	0,3	0,07	615	413	7,95	111-400-401	20
450	0,3	0,07	690	463	8,94	111-450-401	20
500	0,3	0,07	765	513	9,93	111-500-401	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.

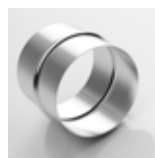
The new article numbers can be found in the online product data sheets.



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



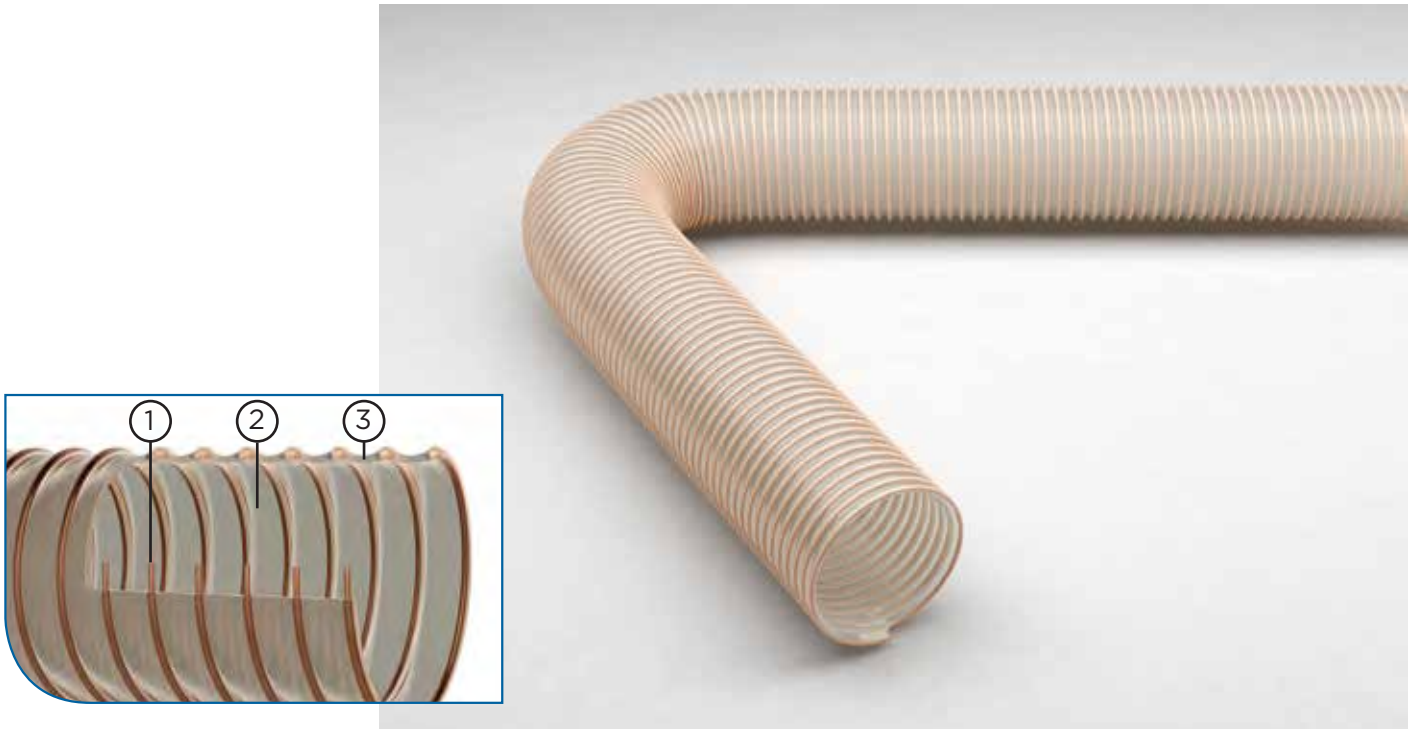
PU Cuff, electroconductive



Combiflex PU Threaded Socket

Master-PUR HÜ Trivolution

PU Suction & Transport Hose, flexible, medium duty / reinforced, antistatic, microbe-resistant, hardly inflammable acc. to DIN 4102 B1



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. 1.7 mm

Applications

- protective hose against mechanical wear
- special hose for dry suction vehicles
- light, flexible head hose

Available on request

- available on request in other lengths, sizes and colours, with print.
- also available in reinforced version with 2.1mm wall thickness.

Properties

- hardly inflammable acc. to DIN 4102 B1
- small bending radii
- medium duty
- microbe-resistant
- good flexibility
- permanently antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>
- mostly smooth inner lining
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- 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

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no	max. production length m
102	1,77	0,62	187	111	1,72	112-102-101	25
127	1,54	0,43	230	137	2,18	112-127-101	25
152	1,26	0,36	275	162	2,38	112-152-101	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.

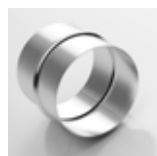
Please note the changed article numbers.
The new article numbers can be found in the online product data sheets.



Master-Grip Hose Clamp, screwable



Master-Grip Quick-Fix Clamp



Hose Connector



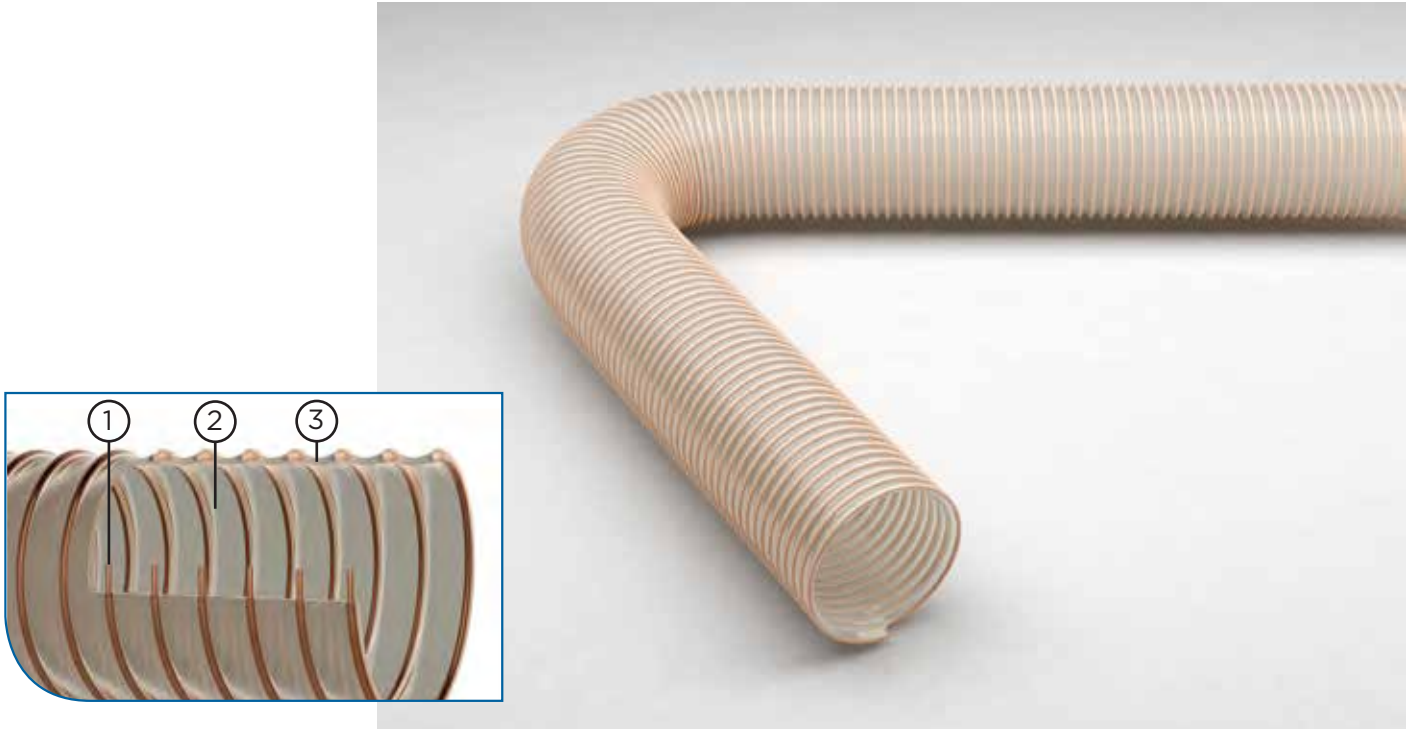
Hose Clamp with Bolts



Combiflex PU Cone Flange

Master-PUR HÜ S Trivolution

PU Suction hose & Transport Hose, flexible, medium duty / reinforced, very smooth inner lining, antistatic, microbe-resistant, hardly inflammable acc. to DIN 4102 B1



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. 1.7 - 2.1 mm, depending on DN

Applications

- protective hose against mechanical wear
- special transport hose for the delivery of abrasive media
- medium duty, flexible working hose

Available on request

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

Properties

- hardly inflammable acc. to DIN 4102 B1
- small bending radii
- reinforced version of standard version Master-PUR HÜ
- microbe-resistant
- heavy
- flexible
- permanently antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>
- mostly smooth inner lining
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- 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

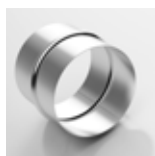


Stock lengths and technical data / www.masterflex.de/en

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no	max. production length m
100	2	0,74	230	113	2,13	112-100-902	25
125	1,6	0,52	290	138	2,81	112-125-902	25
150	1,45	0,43	410	163	3,37	112-150-903	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 Connector



Hose Clamp with Bolts



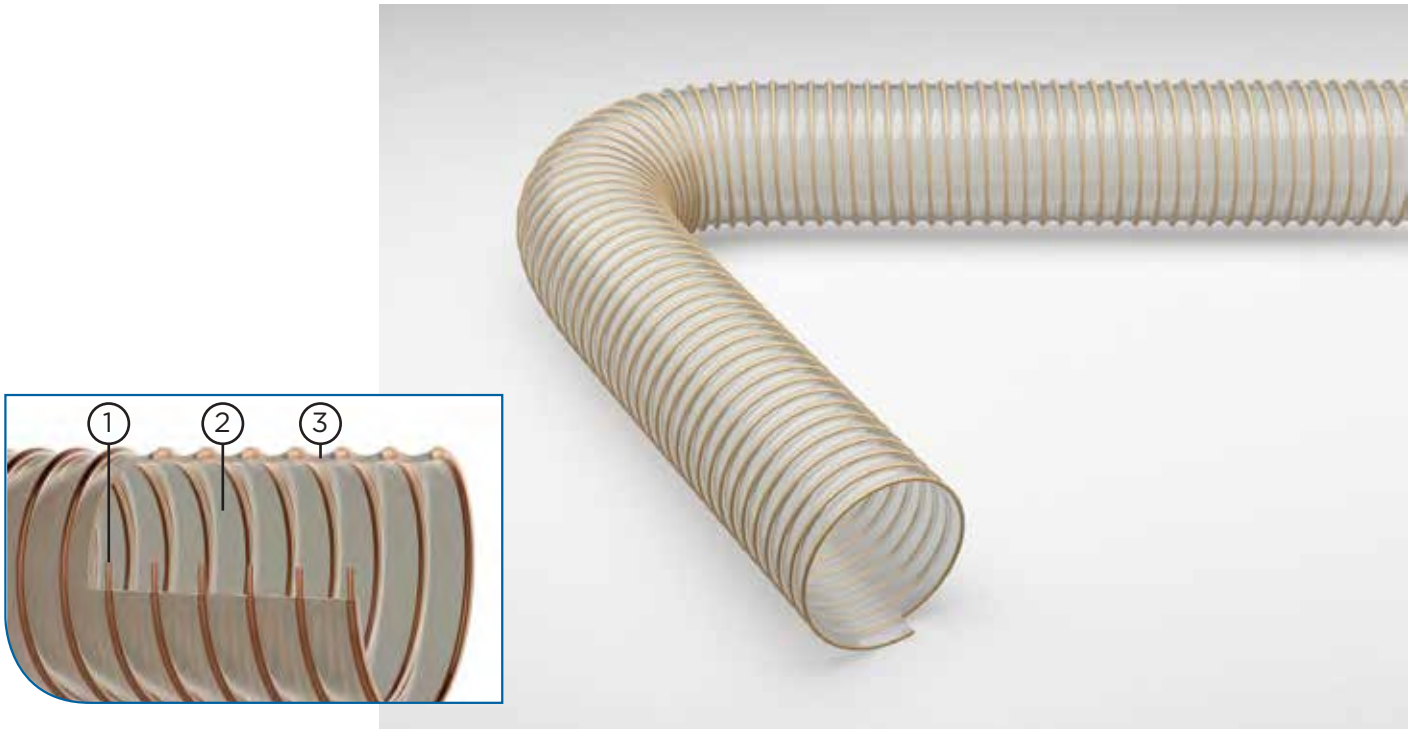
Combiflex PU Cone Flange, pre-fixed



Combiflex PU Swivel Flange, pre-fixed

Master-PUR HX Trivolution

PU Transport hose & Suction Hose, highly abrasion resistant and vacuum proof, with reinforcement underneath the spiral, antistatic, microbe-resistant, hardly inflammable acc. to DIN 4102 B1



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. 1.7 - 2.1 mm, depending on DN

Applications

- for increased requirements of abrasion resistance and durability
- transport hose for problematic media, e.g. sand, gravel, grain, granules
- suction & transport hose for extremely abrasive media
- flat-roof gravelling
- working hose for silo vehicles and cargo depots

Available on request

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

Properties

- hardly inflammable acc. to DIN 4102 B1
- extremely abrasion resistant via specific reinforcements underneath the spiral
- microbe-resistant
- heavy
- flexible
- smooth inner lining, optimum flow characteristics
- high vacuum and apex pressure resistance
- highly durable, long service lives
- permanently antistatic, surface resistance < 10⁹ Ohm
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- halogen and plasticizer-free
- good resistance to chemicals, oil and fuel
- 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

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	0,66	114-032-101	20
38	4,39	0,94	95	48	0,78	114-038-101	20
40	4,27	0,94	100	50	0,83	114-040-101	20
45	4,1	0,94	115	55	0,92	114-045-101	20
50	4,02	0,94	124	60	1,02	114-050-101	20
51	4	0,94	125	61	1,04	114-051-101	20
55	3,75	0,89	140	65	1,1	114-055-101	20
60	3,6	0,89	150	70	1,2	114-060-101	20
65	3,3	0,89	165	75	1,29	114-065-101	20
70	3,15	0,89	175	80	1,38	114-070-101	20
75	2,95	0,89	188	85	1,48	114-075-101	20
76	2,92	0,89	190	87	1,5	114-076-101	20
80	2,77	0,89	200	93	1,93	114-080-101	20
90	2,4	0,89	225	103	2,16	114-090-101	20
100	2,15	0,88	238	113	2,53	114-100-101	20
102	2,1	0,87	250	115	2,6	114-102-101	20
110	1,95	0,87	275	124	2,82	114-110-101	20
115	1,8	0,87	290	129	2,94	114-115-101	20
120	1,65	0,87	300	134	3,07	114-120-101	20
125	1,65	0,87	311	138	3,34	114-125-101	20
127	1,65	0,87	315	140	3,44	114-127-101	20
130	1,65	0,84	325	143	3,54	114-130-101	20
140	1,5	0,83	350	153	3,81	114-140-101	20
150	1,5	0,82	434	165	4,08	114-150-101	20
152	1,5	0,82	450	167	4,13	114-152-101	20
160	1,35	0,81	500	175	4,81	114-160-101	20
170	1,2	0,8	600	185	5,1	114-170-101	20
175	1,2	0,79	650	190	5,25	114-175-101	20
180	1,2	0,77	700	195	5,4	114-180-101	20
200	1,07	0,68	918	217	6,3	114-200-101	15
203	1,05	0,66	950	220	6,43	114-203-101	15
225	0,9	0,58	1150	241	7,11	114-225-101	10
250	0,9	0,51	1300	267	7,91	114-250-101	10
254	0,88	0,5	1325	271	8,04	114-254-101	10
275	0,75	0,47	1450	292	8,68	114-275-101	10
300	0,6	0,42	1600	317	9,45	114-300-101	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 Cone Flange



Combiflex PU Fixed Flange, pre-fixed



Combiflex PU Threaded Socket, pre-fixed



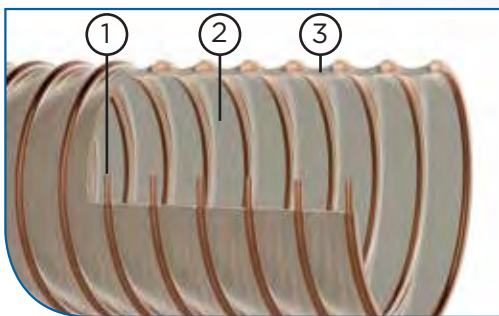
Combiflex PU Swivel Flange, screwable/ fixed



Hose Clamp with Bolts

Master-PUR HX S

PU Suction hose & Transport Hose, highly abrasion resistant and vacuum proof, very smooth inner lining, antistatic, microbe-resistant



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. 3.5 mm

Applications

- suction & transport hose for quarries, cement works, shipyards and docks
- refurbishment of rail systems
- roof greening
- vacuum/suction vehicles
- transport of glass wool, mineral wool, slag, mill scale and sinter
- flat-roof gravelling
- working hose for silo vehicles and cargo depots

Available on request

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

Properties

- extremely abrasion resistant
- microbe-resistant
- extra heavyweight
- flexible
- smooth inner lining
- high vacuum and apex pressure resistance
- highly durable, long service lives
- permanently antistatic, surface resistance <math>< 10^9 \text{ Ohm}</math>
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- halogen and plasticizer-free
- optimum flow characteristics
- 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

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no	max. production length m
51	4,85	0,94	150	64	1,3	117-051-101	20
76	4,15	0,94	225	89	2,1	117-076-101	20
102	3,15	0,94	300	114	3,2	117-102-101	20
127	2,55	0,94	325	140	3,9	117-127-101	20
152	2,25	0,94	350	165	5,1	117-152-101	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, pre-fixed



Combiflex PU Threaded Socket, pre-fixed



Combiflex PU Swivel Flange, pre-fixed



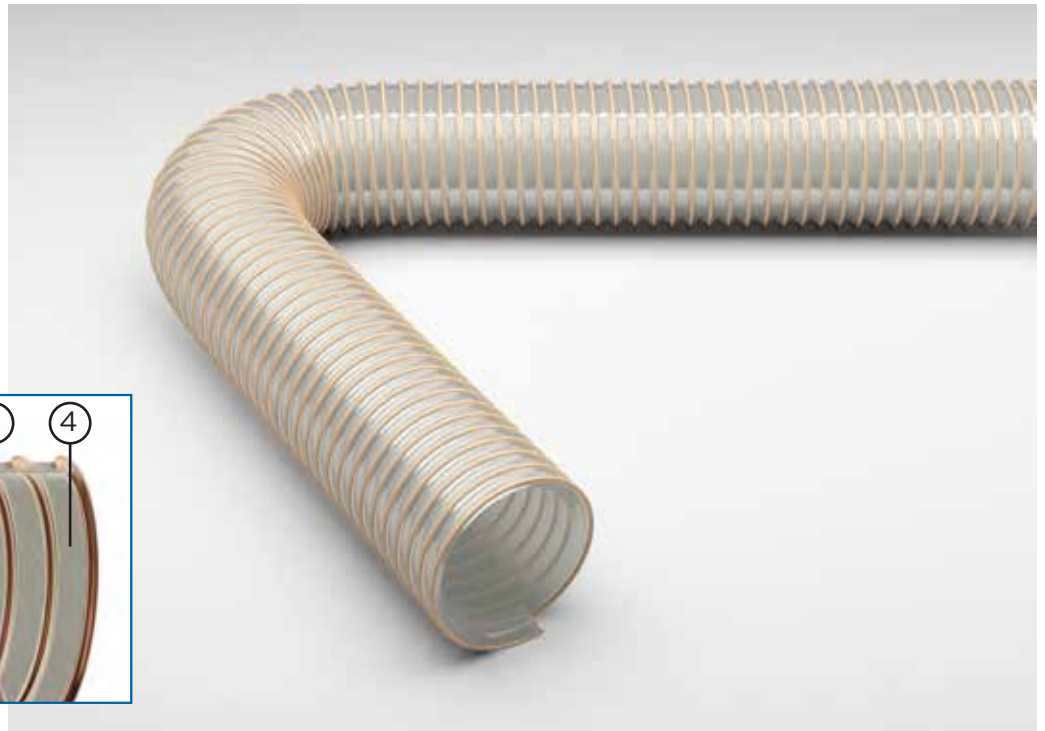
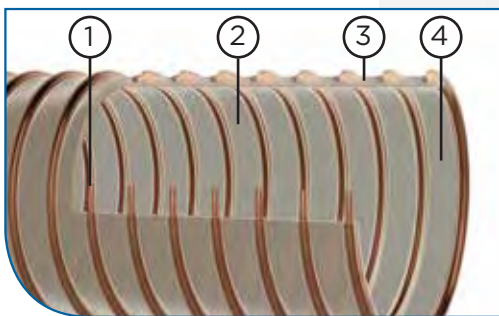
Combiflex PU Cone Flange, pre-fixed



Hose Clamp with Bolts

Master-PUR Performance

PU suction hose & transport hose, extremely abrasion-resistant & vacuum-proof, seamless smooth inner lining, antistatic and microbe-resistant



Material

- ① spiral: spring steel wire
- ② wall: pure polyurethane
- ③ wall thickness min. 2.5 mm
- ④ inner lining: application-optimised polyurethane 60° Shore A

Applications

- transport hose for problematic media, e.g. sand, gravel, grain, granules
- transport hose for handling and conveying plants
- everywhere where easy-to-clean surfaces are required
- suction and transport hose for extremely abrasive solid, liquid and gaseous media
- transport hose for feeding and cleaning of glass works, mineral processing plants, steelworks, quarries, shipyards and docks, cement works, flat roof gravelling
- other conveyer and loading plants

Available on request

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

Properties

- extremely abrasion resistant, extra strong PU lining
- completely smooth internal lining, therefore ideal flow characteristics
- microbe-resistant
- flexible
- excellent vacuum-resistance and good pressure-resistance
- heavy
- permanently antistatic, surface resistance < 10⁹ Ohm
- approved acc. to TRGS 727 and ATEX 2014/34 EU. Details acc. to certificate
- halogen and plasticizer-free
- 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

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no	max. production length m
38	4,35	0,94	130	50	0,8	123-038-101	20
40	4,25	0,94	135	52	0,8	123-040-101	20
45	4,12	0,94	155	57	1	123-045-101	20
50	4,02	0,94	168	65	1,17	123-050-101	20
51	4	0,94	170	66	1,2	123-051-101	20
55	3,8	0,94	175	72	1,3	123-055-101	20
60	3,7	0,94	185	77	1,5	123-060-101	20
65	3,5	0,94	190	82	1,6	123-065-101	20
75	3,18	0,94	245	92	1,87	123-075-101	20
76	3,15	0,94	250	93	1,9	123-076-101	20
80	2,9	0,94	270	97	2,1	123-080-101	20
90	2,7	0,94	285	107	2,4	123-090-101	20
100	2,53	0,94	297	117	2,58	123-100-101	20
102	2,5	0,94	300	119	2,6	123-102-101	20
115	2,3	0,94	325	132	3	123-115-101	15
125	2,05	0,94	345	142	3,25	123-125-101	15
127	2	0,94	350	144	3,3	123-127-101	15
150	1,54	0,94	396	167	3,67	123-150-101	15
152	1,5	0,94	400	169	3,7	123-152-101	15
175	1,1	0,7	770	190	4,6	123-175-101	10
180	1	0,68	780	195	4,7	123-180-101	10
200	0,8	0,55	840	215	5	123-200-101	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.**



Hose Clamp with Bolts



Combiflex metal male threaded socket



Combiflex PU Fixed Flange, pre-fixed



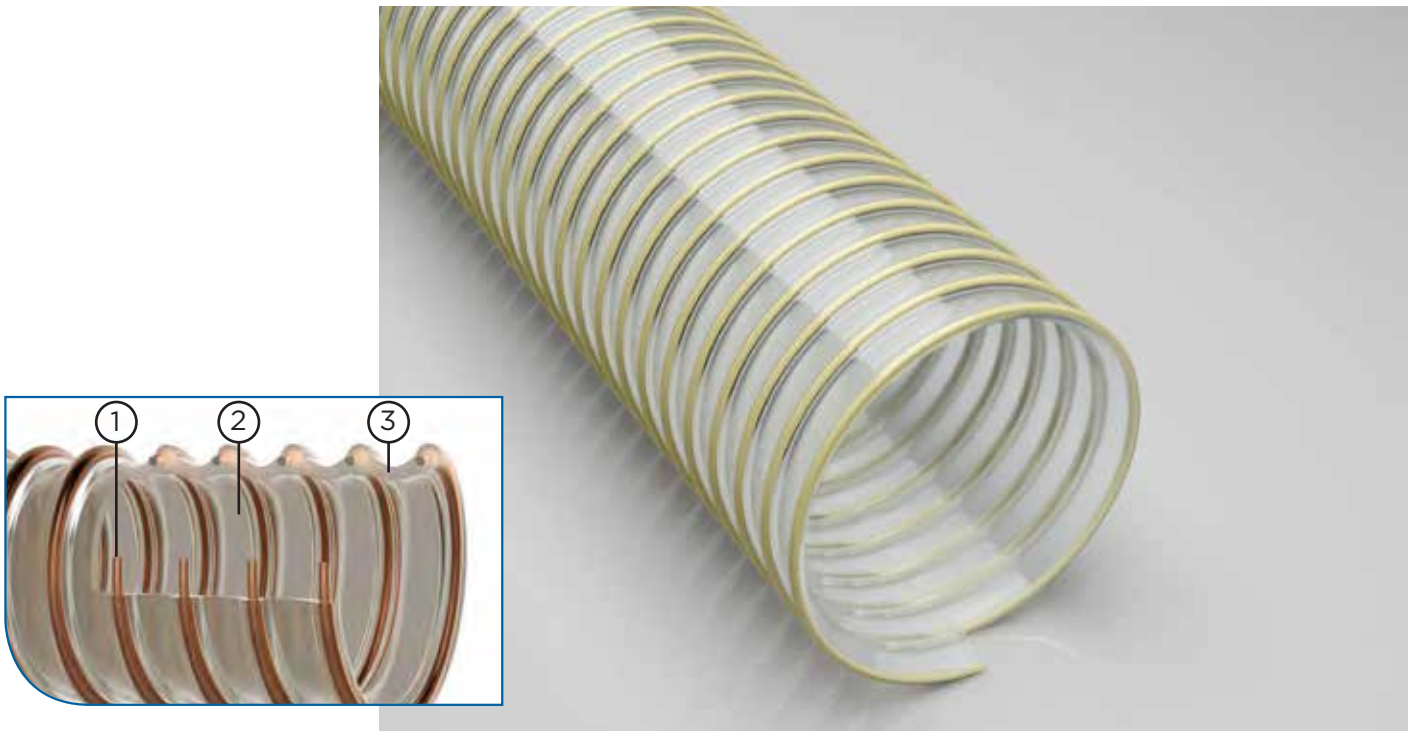
Combiflex PU Threaded Socket, pre-fixed



Combiflex PU Swivel Flange, pre-fixed

Cargoflex

PU Suction hose & Transport hose, extremely abrasion and vacuum resistant



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. 3.2 - 4.8 mm depending on DN

Applications

- suction/extraction of glass splinters, glass wool, mineral wool, slag, mill scale and sinter
- suction & transport hose for quarries, cement works, shipyards and docks
- for highest standards of abrasion resistance and durability
- refurbishment of rail systems
- transport of gravel and rocks
- suction & transport hose for the most extreme fields of application
- transport hose for handling and conveying plants
- protective hose against mechanical wear

Available on request

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

Properties

- extremely abrasion resistant, extra strong PU lining
- microbe-resistant
- extra heavyweight
- flexible
- excellent vacuum-resistance and good pressure-resistance
- highly durable, long service lives
- halogen and plasticizer-free
- 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

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no	max. production length m
100	3,17	0,87	298	115	3,02	115-100-101	20
102	3,15	0,87	300	117	3,04	115-102-101	20
125	2,6	0,87	369	141	3,69	115-125-101	20
127	2,55	0,87	375	143	3,75	115-127-101	20
150	2,27	0,82	444	166	4,39	115-150-101	20
152	2,25	0,82	450	168	4,45	115-152-101	20
200	1,69	0,67	591	218	8,05	115-200-101	10
203	1,65	0,66	600	222	8,28	115-203-101	10
250	1,37	0,52	738	270	10,2	115-250-101	10
254	1,35	0,51	750	275	10,36	115-254-101	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 Threaded Socket, pre-fixed



Combiflex PU Swivel Flange, pre-fixed



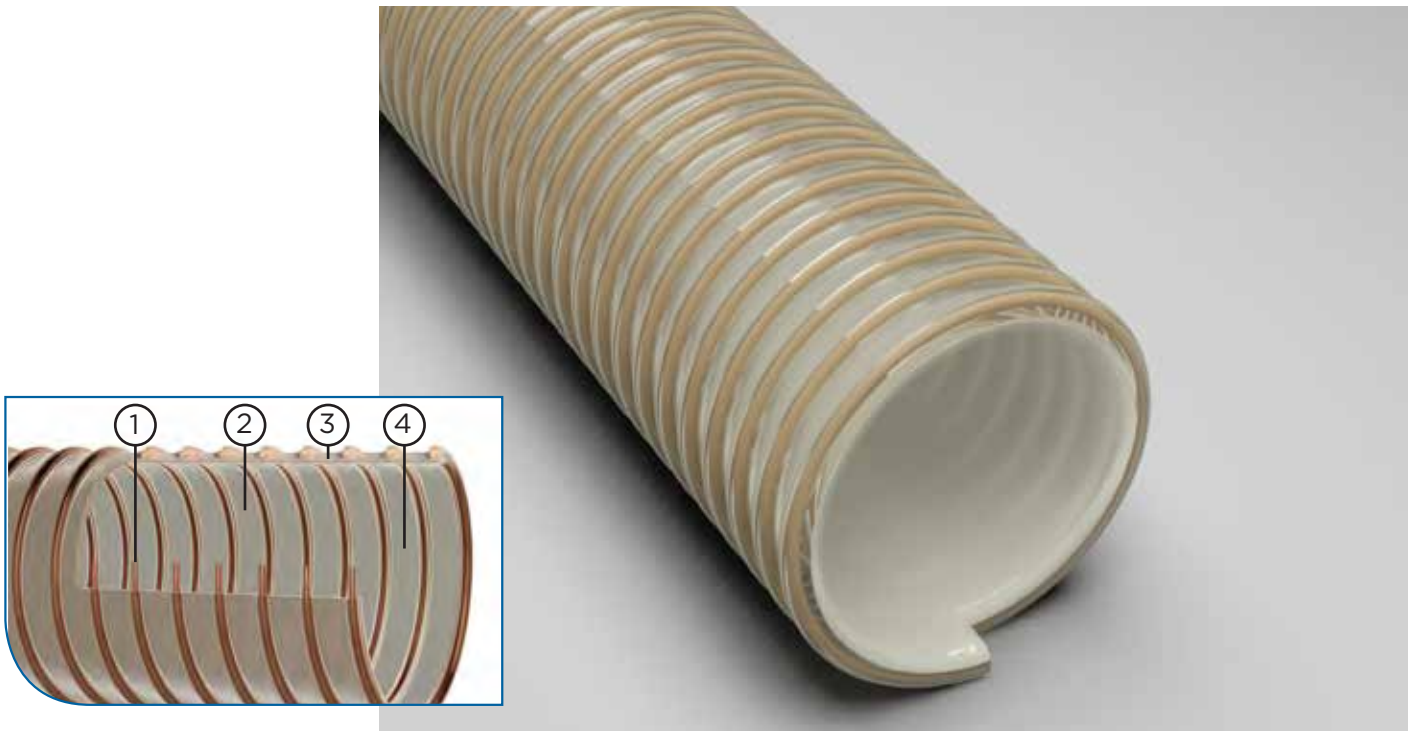
Combiflex PU Cone Flange, pre-fixed



Hose Clamp with Bolts

Master-PUR Inline

PU Suction hose & Transport Hose, extremely abrasion resistant, vacuum proof, seamless, very smooth inner lining, antistatic, microbe-resistant



Material

- ① spiral: spring steel wire
- ② wall: pure polyurethane
- ③ inner lining: application-optimised polyurethane 60° Shore A
- ④ Wall thickness c. 5.5 mm

Applications

- special hose for transport of extremely abrasive media
- transport hose for problematic media, e.g. sand, gravel, grain, granules
- everywhere where easy-to-clean surfaces are required
- transport hose for feeding and cleaning of glass works, mineral processing plants, steelworks, quarries, shipyards and docks, cement works, flat roof gravelling
- other conveyer and loading plants

Available on request

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

Properties

- extremely abrasion resistant, extra strong PU Inline
- completely smooth internal lining, therefore ideal flow characteristics
- microbe-resistant
- flexible
- excellent vacuum-resistance and good pressure-resistance
- permanently antistatic, surface resistance < 10⁹ Ohm
- halogen and plasticizer-free
- 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

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no	max. production length m
38	4,65	0,94	150	56	1,72	119-038-104	20
40	4,5	0,94	160	58	1,79	119-040-104	20
50	4,16	0,94	196	69	1,65	119-050-104	20
51	4,125	0,94	200	70	1,64	119-051-104	20
65	3,9	0,94	300	85	2,02	119-065-104	20
75	3,75	0,94	390	96	3,31	119-075-104	20
76	3,75	0,94	400	97	3,44	119-076-104	20
80	3,375	0,94	410	99	2,69	119-080-104	20
100	3,03	0,94	428	120	4,24	119-100-102	20
102	3	0,94	430	122	4,39	119-102-104	20
115	2,6	0,94	440	136	4,9	119-115-104	15
125	2,45	0,94	448	146	5,56	119-125-101	15
127	2,4	0,94	450	148	5,69	119-127-104	15
150	1,95	0,94	600	175	7,3	119-150-104	15
152	1,95	0,94	600	175	7,3	119-152-104	15
175	1,8	0,77	700	198	7,48	119-175-104	10
180	1,65	0,75	700	202	7,68	119-180-104	10
200	1,35	0,67	800	223	10,01	119-200-104	10
203	1,35	0,67	800	227	10,2	119-203-104	10
250	0,95	0,5	1000	271	12,07	119-250-104	10
254	0,95	0,5	1000	275	12,1	119-254-104	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 Threaded Socket, pre-fixed



Hose Clamp with Bolts



Combiflex PU fixed-flange, Inline



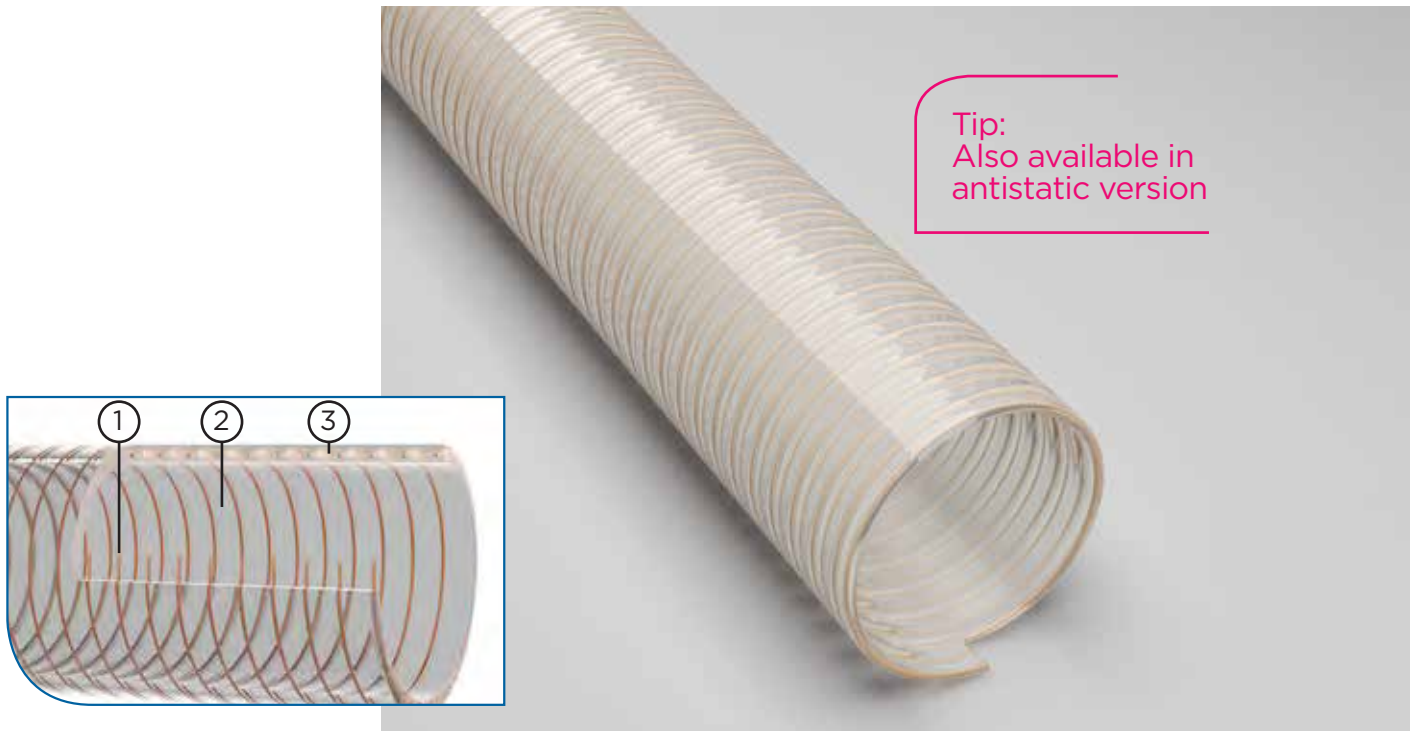
Combiflex PU Swivel Flange for Master-PUR Inline



Clamp Collars

Polderflex PUR

PU Suction hose & Transport Hose, extremely pressure and vacuum resistant, smooth inner and outer linings



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 3-5 mm depending on DN

Applications

- suction/extraction of glass splinters, glass wool, mineral wool, slag, mill scale and sinter
- suction & transport hose for quarries, cement works, shipyards and docks
- for highest standards of abrasion resistance and durability
- refurbishment of rail systems
- transport of gravel and rocks
- suction & transport hose for the most extreme fields of application
- transport hose for handling and conveying plants
- working hose for silo vehicles and cargo depots

Available on request

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

Properties

- extremely abrasion resistant, extra strong PU lining
- extra heavyweight
- flexible
- excellent vacuum-resistance and good pressure-resistance
- smooth inner and outer linings
- highly durable, long service lives
- halogen and plasticizer-free
- optimum flow characteristics
- 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

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no	max. production length m
32	5,75	0,93	160	41,5	0,88	118-032-101	20
38	5,625	0,93	190	47,5	1,03	118-038-101	20
40	5,5	0,93	200	49,5	1,07	118-040-101	20
45	5,375	0,93	225	54,5	1,2	118-045-101	20
50	5,27	0,93	246	61	1,24	118-050-101	20
51	5,25	0,93	250	62,5	1,25	118-051-101	20
60	5,125	0,93	300	71,5	1,44	118-060-101	20
65	5,1	0,93	325	76,5	1,56	118-065-101	20
70	5,05	0,93	350	81,5	1,77	118-070-101	20
75	5	0,93	375	87	1,9	118-075-101	20
76	5	0,93	380	87,5	1,92	118-076-101	20
80	4,5	0,88	400	91,5	2,01	118-080-101	20
100	4,16	0,86	580	111	3	118-100-101	20
102	4,125	0,86	600	113	3,1	118-102-101	20
125	3,32	0,66	690	136,5	3,79	118-125-101	20
127	3,25	0,64	700	138,5	3,85	118-127-101	20
150	2,2	0,44	790	162	4,53	118-150-101	20
152	2,125	0,42	800	164	4,59	118-152-101	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.**



Metal socket with cone flange



Hose Clamp with Bolts

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Master-PUR Flat Food

Spiral-Free PU Transport Hose, medium duty, food-grade quality acc. to EU 10/2011 and FDA



Material

- ① wall: pure polyether polyurethane, food-grade quality (FDA)
- ② wall thickness approx. 1 mm

Applications

- application as compensator
- spiral-free transport hose for abrasive solids
- solids transport for sieving machines
- conductor hose on charging station

Available on request

- available on request in other lengths, sizes, colours, with print, with flexible earthing lead.

Properties

- hoses comply with the following European food regulations:
 - EU Regulations 1935/2004, 10/2011 and 1282/2011
- materials comply with the following food regulations:
 - FDA 21 CFR §177.2600
 - FDA 21 CFR §178.2010
- extremely vibration resistant
- solvent, oil and petroleum resistant
- smooth inner lining
- permanently kink-resistant
- optimum flow characteristics
- highly abrasion-resistant
- 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

DN	weight/m kg	article no.	max. production length m
50	0,32	314-050-501	5
51	0,32	314-051-501	5
60	0,38	314-060-501	5
63	0,39	314-063-501	5
65	0,4	314-065-501	5
70	0,43	314-070-501	5
75	0,46	314-075-501	5
76	0,46	314-076-501	5
80	0,49	314-080-501	5
90	0,56	314-090-501	5
100	0,61	314-100-501	5
102	0,62	314-102-501	5
110	0,67	314-110-501	5
115	0,7	314-115-501	5
120	0,73	314-120-501	5
125	0,75	314-125-501	5
127	0,76	314-127-501	5
130	0,78	314-130-501	5
140	0,85	314-140-501	5
150	0,9	314-150-501	5
152	0,91	314-152-501	5
160	0,97	314-160-501	5
170	1,03	314-170-501	5
175	1,06	314-175-501	5
180	1,09	314-180-501	5
200	1,19	314-200-501	5
203	1,21	314-203-501	5
225	1,36	314-225-501	5
250	1,49	314-250-501	5
254	1,51	314-254-501	5
275	1,66	314-275-501	5
280	1,68	314-280-501	5
300	1,81	314-300-501	5

All data refers to a medium and ambient temperature of +20 °C.
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.



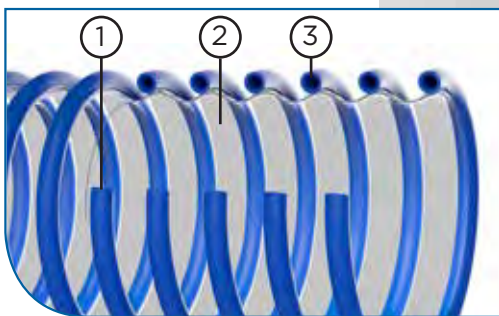
Hose Clamp with
Worm-Gear Drive



Hose Clamp with Bolts

Master-PUR STEP

PU Film Hose, crush-resistant, hardly inflammable acc. to DIN 4102 B1



Material

- ① spiral: polyurethane, hardly inflammable, with integrated wire
- ② wall: pure polyester polyurethane with flame-retardant additives (acc. to DIN ISO 4649 more abrasion-resistant than polyether polyurethane)
- ③ wall thickness between spirals approx. 0.5 mm

Applications

- ideal as Suction Hose for floor-level areas where conventional hoses are subjected to rough conditions and can be permanently deformed
- wood processing
- protective hose
- suction & transport hose for abrasive solids, liquids and gases

Available on request

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

Properties

- hardly inflammable acc. to DIN 4102 B1
- acc. to requirements of the Holz-BG standard, BGI 739-2
- crush-resistant and recoverable
- withstands high mechanical loads
- excellent recovery properties
- abrasion-resistant
- super lightweight
- highly flexible
- 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



Stock lengths and technical data / 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	0,78	0,2	50	68	0,39	311-050-618	25
51	0,78	0,2	50	68	0,39	311-051-618	25
60	0,76	0,19	65	80	0,45	311-060-618	25
75	0,62	0,13	74	94	0,6	311-075-618	25
76	0,61	0,13	75	95	0,61	311-076-618	25
80	0,53	0,13	80	100	0,65	311-080-618	25
100	0,47	0,09	98	118	0,79	311-100-618	25
102	0,46	0,09	100	120	0,8	311-102-618	25
120	0,38	0,09	120	140	0,95	311-120-618	25
140	0,3	0,06	140	160	1,15	311-140-618	25
150	0,3	0,06	148	168	1,19	311-150-618	25
152	0,3	0,06	150	170	1,2	311-152-618	25
160	0,3	0,06	160	180	1,3	311-160-618	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.

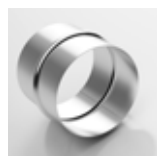
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Car-Grip Quick-Fix Clamp



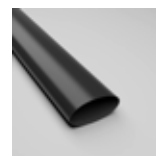
Car-Grip Hose Clamp, screwable



Hose Connector



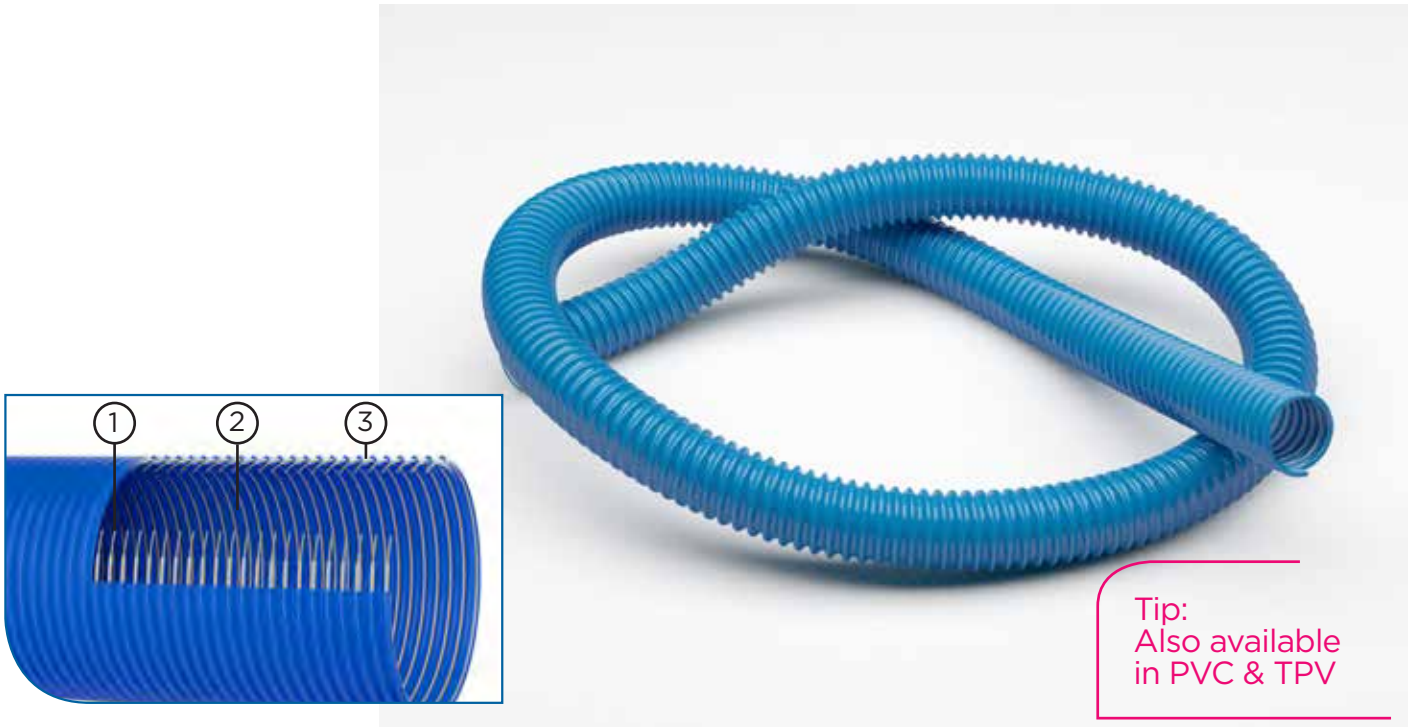
PU Cuff, pre-fitted



Heat-Shrink Cuff

Miniflex PU

PU Protection Hose & Suction Hose with plastic-coated wire Helix, microbe-resistant, highly flexible



Material

- ① spiral: spring steel wire, plastic-coated
- ② wall: pure polyether polyurethane
- ③ wall thickness: 0.3 - 1.2mm, dep. on DN

Applications

- cable protection hose
- protective & suction hose for solids, liquids and gases
- suction hose for fine-grained particles, e.g. dust, powders, fibres
- ventilation (gauge pressure & low pressure range)
- suction hose for handheld machines
- protective hose against mechanical wear

Available on request

- available on request in other lengths, sizes and colours

Properties

- protection class IP 68, EN 60 529
- axial flexible and compressable
- ageing resistant
- bending radius = outer diameter
- super lightweight
- highly flexible
- microbe and hydrolysis-resistant
- 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

DN	op. pressure bar	vacuum bar	bend radius mm	outer Ø mm	weight/m kg	article no	max. production length m
7	0,23	0,76	10	10	0,06	410-007-118	50
10	0,22	0,75	14	14	0,11	410-010-118	50
13	0,21	0,74	17	17	0,13	410-013-118	50
15	0,2	0,74	19	19	0,14	410-015-118	50
16	0,2	0,74	21	21	0,19	410-016-118	50
22	0,18	0,72	27	27	0,24	410-022-118	50
26	0,17	0,71	30	30	0,31	410-026-118	50
30	0,15	0,69	36	36	0,36	410-030-118	25
32	0,13	0,69	38	38	0,44	410-032-118	25
38	0,11	0,66	45	45	0,49	410-038-118	25
40	0,1	0,66	47	47	0,61	410-040-118	25
44	0,09	0,59	52	52	0,76	410-044-118	25
45	0,09	0,59	53	53	0,76	410-045-118	25
48	0,08	0,53	56	56	0,81	410-048-118	25
51	0,08	0,52	58	58	0,83	410-051-118	25

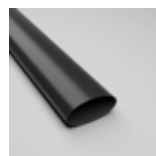
All data refers to a medium and ambient temperature of +20 °C.
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Hose Clamp with
Worm-Gear Drive



Heat-Shrink Cuff