



7 Exhaust Gas Hoses

Hoses for suction/extraction of exhaust fumes from combustion engines at temperatures up to 1.100 °C



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

Carflex Super

Exhaust hose for exhaust fume temperatures up to +200°C, super lightweight, crush-resistant



Material

- ① spiral: plastic-profile helix
- ② wall: EPDM/PP-coated polyester fabric

Applications

- suction of engine exhaust fumes up to max.+200 °C acc. to exhaust guidelines and sufficient fresh air intake (approx. 50%)
- permanently rollover-proof exhaust hose
- medium wear during extraction of petrol and diesel engine exhaust fumes
- all conventional exhaust systems, such as: - Exhaust Hose Reel - Suction Rail System - Upper/Lower Floor Systems - Stationary Systems

Available on request

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

Properties

- permanently rollover-proof
- high tension/tear-proof
- robust
- good flow characteristics
- tight bending radii
- extremely flexible
- withstands high mechanical loads
- excellent recovery properties
- super lightweight

Temperature Range

- +200°C with appropriate use of exhaust regulators and sufficient air supply (approx. 50%)



Stock lengths and technical data / www.masterflex.de

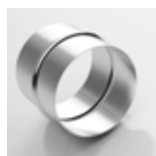
DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
26	0,37	25	35	0,17	320-026-107	25
30	0,35	30	40	0,2	320-030-107	25
32	0,35	32	42	0,21	320-032-107	25
38	0,34	38	48	0,24	320-038-107	25
51	0,31	55	63	0,4	320-051-107	25
63	0,28	60	79	0,41	320-063-107	25
76	0,24	75	95	0,48	320-076-107	25
80	0,23	80	100	0,51	320-080-107	25
102	0,18	100	120	0,64	320-102-107	25
127	0,12	125	145	0,78	320-127-107	25
152	0,05	150	170	0,93	320-152-107	25
203	0,02	200	220	1,22	320-203-107	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.

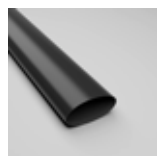
**Please note the changed article numbers.
 The new article numbers can be found in the online product data sheets.**



Car-Grip Hose Clamp, screwable



Hose Connector



Heat-Shrink Cuff



Hose Reducer, symmetrical



Car-Grip Quick-Fix Clamp

Carflex 200

Exhaust gas hose for exhaust fumes/gases up to +200°C



Material

- ① clamp profile spiral: hot-dip galvanized steel band with additional plastic outer scuff-protection profile
- ② wall: neoprene-coated polyester fabric

Applications

- suction of engine exhaust fumes up to max.+200 °C acc. to exhaust guidelines and sufficient fresh air intake (approx. 50%)
- all conventional exhaust systems, such as: - Exhaust Hose Reel - Suction Rail System - Upper/Lower Floor Systems - Stationary Systems
- light to medium wear during extraction of petrol and diesel engine fumes from passenger vehicles

Available on request

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

Properties

- good flow characteristics
- extremely compressible to approx. 1:5
- vibration-proof
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- highly flexible
- smallest bending radii
- extremely lightweight

Temperature Range

- +200°C with appropriate use of exhaust regulators and sufficient air supply (approx. 50%)

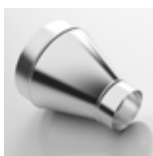


Stock lengths and technical data / www.masterflex.de

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
63	0,23	38	76	0,55	240-063-118	25
75	0,18	46	89	0,6	240-075-118	25
80	0,15	48	93	0,63	240-080-118	25
100	0,1	60	117	0,79	240-100-118	25
125	0,06	75	142	0,95	240-125-118	25
150	0,04	90	167	1,47	240-150-118	25
200	0,03	120	217	1,76	240-200-118	25

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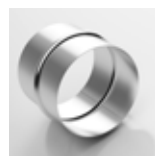
Hose Reducer, symmetrical



Clip-Grip quick action clamp



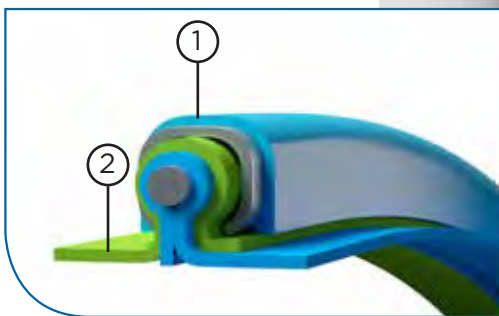
Clip-Grip Hose clamp, screwable



Hose Connector

Carflex 300

Exhaust gas hose for exhaust fumes up to +300°C



Material

- ① clamp profile spiral: hot-dip galvanized steel band with additional plastic outer scuff-protection profile
- ② wall: special-coated textile high-temperature fabric

Applications

- all conventional exhaust systems, such as: - Exhaust Hose Reel - Suction Rail System - Upper/Lower Floor Systems - Stationary Systems
- suction of engine exhaust fumes up to max.+300 °C acc. to exhaust guidelines and sufficient fresh air intake (approx. 50%)
- medium and high wear during extraction of petrol and diesel engine exhaust fumes, esp. heavy-duty and construction vehicles

Available on request

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

Properties

- hardly inflammable
- outer chafing protection spiral
- robust
- good flow characteristics
- extremely compressible to approx. 1:5
- vibration-proof
- withstands high mechanical loads
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- highly flexible
- abrasion-resistant to soot particles from diesel exhaust fumes
- smallest bending radii

Temperature Range

- from -60°C to +300 °C (Exhaust temperatures) with appropriate use if exhaust regulators and sufficient air supply (approx. 50%)

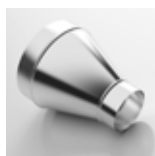


Stock lengths and technical data / www.masterflex.de

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
63	0,17	38	76	0,55	241-063-119	25
75	0,14	46	89	0,51	241-075-119	25
80	0,12	48	93	0,51	241-080-119	25
100	0,08	60	117	0,64	241-100-119	25
125	0,05	75	142	0,79	241-125-119	25
150	0,04	90	167	1,23	241-150-119	25
200	0,02	120	217	1,67	241-200-119	25

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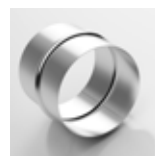
Hose Reducer, symmetrical



Clip-Grip quick action clamp



Clip-Grip Hose clamp, screwable



Hose Connector

Master-Clip HT 300

Medium and high temperature hose up to +300°C, silicon-free, highly flexible



Material

- 1 clip profile spiral: hot-dip galvanised steel band
- 2 Wall: special glass fabric coating

Applications

- machine manufacturing
- automotive manufacturing
- low pressure range
- extractor units
- exhaust gas extraction (esp. diesel engines)
- hot air
- smoke extractors
- defence systems
- aircraft manufacturing

Available on request

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

Properties

- very good temperature resistance
- hardly inflammable / self-extinguishing
- primarily suitable as exhaust hose
- vibration-proof
- light
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- highly flexible
- silicone-free
- extremely compressable to approx. 1:6
- smallest bending radii
- hydrolysis-resistant
- no gas emission during commissioning
- UV-resistant acc. to ISO EN 105 B02
- Ozone-resistant

Temperature Range

- -20°C to +300°C
- peaks to +350°C*



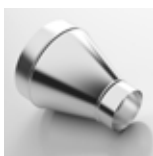
Stock lengths and technical data / www.masterflex.de

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
50	on request	0,39	30	0,4	233-050-102	15
55	on request	0,32	33	0,4	233-055-102	15
60	on request	0,27	36	0,5	233-060-102	15
65	on request	0,23	39	0,5	233-065-102	15
70	on request	0,2	42	0,5	233-070-102	15
75	on request	0,18	45	0,6	233-075-102	15
80	on request	0,15	48	0,6	233-080-102	15
90	on request	0,12	54	0,6	233-090-102	15
100	on request	0,1	60	0,6	233-100-102	15
110	on request	0,08	66	0,7	233-110-102	15
120	on request	0,07	72	0,7	233-120-102	15
125	on request	0,06	75	0,8	233-125-102	15
130	on request	0,07	78	0,8	233-130-102	15
140	on request	0,05	84	0,8	233-140-102	15
150	on request	0,04	90	0,9	233-150-102	15
160	on request	0,09	96	0,9	233-160-102	15
170	on request	0,03	102	0,9	233-170-102	15
175	on request	0,03	105	1	233-175-102	15
180	on request	0,03	108	1	233-180-102	15
200	on request	0,03	120	1,2	233-200-102	15
215	on request	0,02	151	1,3	233-215-102	15
225	on request	0,02	158	1,4	233-225-102	15
250	on request	0,02	175	1,6	233-250-102	15
275	on request	0,01	193	1,9	233-275-102	15
300	on request	0,01	210	2,1	233-300-102	15
325	on request	0,01	228	2,2	233-325-102	15
350	on request	0,01	245	2,5	233-350-102	15
375	on request	0,01	263	2,9	233-375-102	15
400	on request	0,01	280	3,1	233-400-102	15
450	on request	0,01	360	3,6	233-450-102	15
500	on request	0,01	400	4,1	233-500-102	15
550	on request	0,01	440	4,6	233-550-102	10
600	on request	0,01	480	5,1	233-600-102	10
700	on request	0,01	560	6	233-700-102	10
800	on request	0,01	640	6,9	233-800-102	10
900	on request	0,01	720	7,8	233-900-102	10

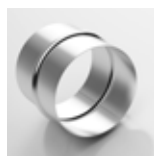
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Hose Reducer, symmetrical



Hose Connector



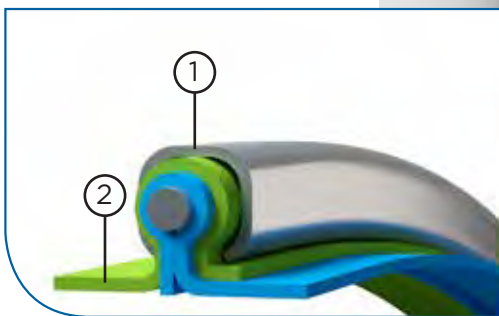
Clip-Grip quick action clamp



Clip-Grip Hose clamp, screwable

Master-Clip CAR

Medium and high temperature hose for temperatures up to +300°C



Material

- 1 clip profile spiral: hot-dip galvanised steel band
- 2 wall: special-coated textile high-temperature fabric

Applications

- suction of engine exhaust fumes up to max.+300 °C acc. to exhaust guidelines and sufficient fresh air intake (approx. 50%)
- machine manufacturing
- automotive manufacturing
- low pressure range
- extractor units
- exhaust gas extraction (esp. diesel engines)
- hot air
- smoke extractors
- defence systems
- aircraft manufacturing

Available on request

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

Properties

- hardly inflammable
- very good temperature resistance
- outer chafing protection spiral
- primarily suitable as exhaust hose
- vibration-proof
- 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
- smallest bending radii
- abrasion-resistant
- extremely lightweight

Temperature Range

- from -60°C to +300 °C (Exhaust temperatures) with appropriate use if exhaust regulators and sufficient air supply (approx. 50%)
- peaks to +350°C*



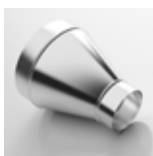
Stock lengths and technical data / www.masterflex.de

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
38	0,94	0,36	23	0,5	225-038-120	20
40	0,93	0,35	24	0,5	225-040-120	20
45	0,92	0,33	27	0,5	225-045-120	20
50	0,9	0,31	30	0,5	225-050-120	20
55	0,85	0,26	33	0,6	225-055-120	20
60	0,78	0,22	36	0,6	225-060-120	20
65	0,68	0,19	39	0,7	225-065-120	20
70	0,67	0,16	42	0,7	225-070-120	20
75	0,62	0,14	45	0,8	225-075-120	20
80	0,61	0,12	48	0,8	225-080-120	20
90	0,56	0,1	54	0,8	225-090-120	20
100	0,51	0,08	60	0,9	225-100-120	20
110	0,48	0,07	66	0,9	225-110-120	20
120	0,36	0,06	72	1	225-120-120	20
125	0,33	0,05	75	1	225-125-120	20
130	0,28	0,05	78	1,1	225-130-120	20
140	0,25	0,04	84	1,1	225-140-120	20
150	0,22	0,04	90	1,2	225-150-120	20
160	0,21	0,03	96	1,2	225-160-120	20
170	0,19	0,03	102	1,3	225-170-120	20
175	0,185	0,03	105	1,4	225-175-120	20
180	0,172	0,02	126	1,4	225-180-120	20
200	0,148	0,02	140	1,6	225-200-120	20
215	0,128	0,02	151	1,7	225-215-120	20
225	0,115	0,02	158	1,8	225-225-120	20
250	0,1	0,01	175	2	225-250-120	20
275	0,08	0,01	193	2,1	225-275-120	20
300	0,07	0,01	210	2,2	225-300-120	20
315	0,062	0,01	221	2,2	225-315-120	20
325	0,059	0,01	228	2,3	225-325-120	20
350	0,056	0,01	245	2,6	225-350-120	20
375	0,05	0,01	300	2,9	225-375-120	20
400	0,047	0,01	320	3,1	225-400-120	20
450	0,045	0,01	360	3,6	225-450-120	20
500	0,043	0,01	400	4,1	225-500-120	20
550	0,042	0,01	440	4,6	225-550-120	20
600	0,039	0,01	480	5,1	225-600-120	15
700	0,031	0,01	560	6	225-700-120	15
800	0,022	0,01	640	6,9	225-800-120	15
900	0,016	0,01	720	7,8	225-900-120	15

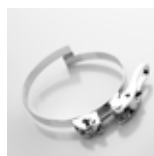
All data refers to a medium and ambient temperature of +20 °C
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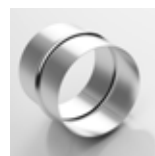
Hose Reducer, symmetrical



Clip-Grip quick action clamp



Clip-Grip Hose clamp, screwable



Hose Connector

Master-Clip ISO-CAR

Medium and high temperature hose for temperatures up to +300°C, two layers



Material

- 1 clip profile spiral: hot-dip galvanised steel band
- 2 wall: double-layered, inner layer with heat resistant impregnated glass fabric, outer layer special-coated, textile high-temperature fabric

Applications

- suction of engine exhaust fumes up to max.+300 °C acc. to exhaust guidelines and sufficient fresh air intake (approx. 50%)
- diesel engine test-benches with higher extraction performance
- machine manufacturing
- automotive manufacturing
- low pressure range
- extractor units
- hot air
- smoke extractors
- defence systems
- aircraft manufacturing

Available on request

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

Properties

- very good temperature resistance
- outer chafing protection spiral
- primarily suitable as exhaust hose
- vibration-proof
- withstands high mechanical loads
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- highly flexible
- smallest bending radii
- extremely compressable to approx. 1:4
- abrasion-resistant
- good vacuum resistance

Temperature Range

- from -60°C to +300 °C (Exhaust temperatures) with appropriate use if exhaust regulators and sufficient air supply (approx. 50%)
- peaks to +350°C*



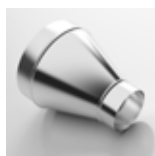
Stock lengths and technical data / www.masterflex.de

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
38	0,94	0,44	23	0,55	226-038-120	20
40	0,93	0,43	24	0,55	226-040-120	20
45	0,92	0,41	27	0,6	226-045-120	20
50	0,9	0,38	30	0,6	226-050-120	20
55	0,85	0,33	33	0,7	226-055-120	20
60	0,78	0,29	36	0,7	226-060-120	20
65	0,67	0,26	39	0,8	226-065-120	20
70	0,67	0,22	42	0,9	226-070-120	20
75	0,62	0,21	45	1	226-075-120	20
80	0,61	0,19	48	1	226-080-120	20
90	0,56	0,16	54	1,2	226-090-120	20
100	0,51	0,13	60	1,3	226-100-120	20
110	0,48	0,11	66	1,3	226-110-120	20
120	0,36	0,09	72	1,4	226-120-120	20
125	0,33	0,08	75	1,4	226-125-120	20
130	0,28	0,08	78	1,6	226-130-120	20
140	0,25	0,07	84	1,6	226-140-120	20
150	0,22	0,06	90	1,8	226-150-120	20
160	0,21	0,05	96	1,8	226-160-120	20
170	0,19	0,05	102	2	226-170-120	20
175	0,19	0,04	105	2,1	226-175-120	20
180	0,17	0,04	126	2,1	226-180-120	20
200	0,15	0,03	140	2,4	226-200-120	20
215	0,13	0,03	151	1,9	226-215-120	20
225	0,12	0,03	158	2	226-225-120	20
250	0,1	0,02	175	2,2	226-250-120	20
275	0,08	0,02	193	2,3	226-275-120	20
300	0,07	0,02	210	2,4	226-300-120	20
325	0,06	0,01	228	2,5	226-325-120	20
350	0,06	0,01	245	2,9	226-350-120	20
375	0,05	0,01	300	3,2	226-375-120	20
400	0,05	0,01	320	3,4	226-400-120	20
450	0,05	0,01	360	4	226-450-120	20
500	0,04	0,01	400	4,5	226-500-120	20
550	0,04	0,01	440	5,1	226-550-120	20
600	0,04	0,01	480	5,6	226-600-120	15
700	0,03	0,01	560	6,6	226-700-120	15
800	0,02	0,01	640	7,6	226-800-120	15
900	0,02	0,01	720	8,6	226-900-120	15

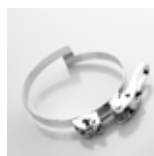
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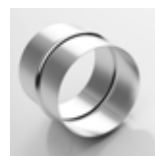
Hose Reducer, symmetrical



Clip-Grip quick action clamp



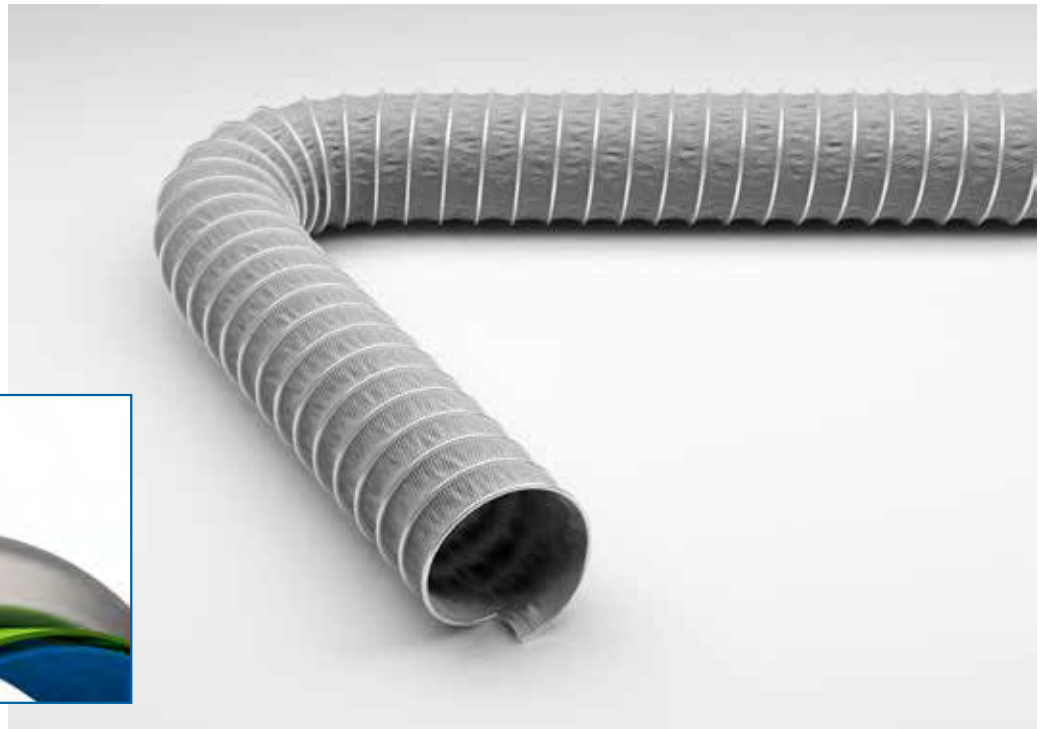
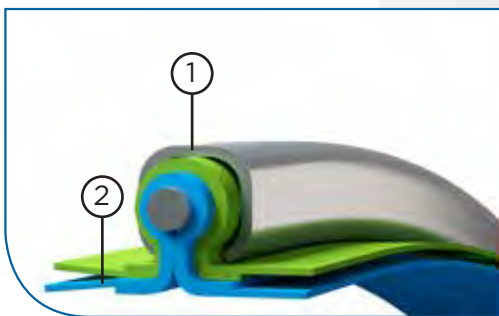
Clip-Grip Hose clamp, screwable



Hose Connector

Master-Clip HT 450

Exhaust gas hose for exhaust gas temperatures up to +450°C, two layers



Material

- 1 clip profile spiral: hot-dip galvanised steel band
- 2 wall: double-layered, inner layer with heat resistant impregnated glass fabric and outer layer with special-coated high-temperature fabric reinforced with integrated VA wire

Applications

- diesel engine test-benches with higher extraction performance
- hot air conveyance
- engine manufacturing
- exhaust gas extraction
- machine manufacturing
- automotive manufacturing
- low pressure range
- smoke extractors
- defence systems
- aircraft manufacturing

Available on request

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

Properties

- extremely flexible
- hardly inflammable
- very good temperature resistance
- outer chafing protection spiral
- small bending radii
- primarily suitable as exhaust hose
- withstands high mechanical loads
- super lightweight
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- abrasion-resistant
- increased vacuum resistance via integrated reinforcement components

Temperature Range

- -20°C to +450°C for vacuum applications
- peaks to +500°C



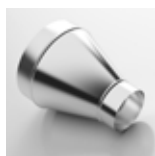
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DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
50	on request	0,35	30	0,59	231-050-111	15
55	on request	0,29	33	0,65	231-055-111	15
60	on request	0,24	36	0,63	231-060-111	15
65	on request	0,21	39	0,68	231-065-111	15
70	on request	0,17	42	0,73	231-070-111	15
75	on request	0,15	45	0,78	231-075-111	15
80	on request	0,14	48	0,83	231-080-111	15
90	on request	0,11	54	0,93	231-090-111	15
100	on request	0,09	60	1,2	231-100-111	15
110	on request	0,07	66	1,31	231-110-111	15
120	on request	0,06	72	1,43	231-120-111	15
125	on request	0,05	75	1,48	231-125-111	15
130	on request	0,05	78	1,54	231-130-111	15
140	on request	0,05	84	1,65	231-140-111	15
150	on request	0,04	90	1,76	231-150-111	15
160	on request	0,03	96	1,87	231-160-111	15
170	on request	0,03	102	1,99	231-170-111	15
175	on request	0,03	105	2,04	231-175-111	15
180	on request	0,03	108	2,1	231-180-111	15
200	on request	0,02	120	2,32	231-200-111	15
215	on request	0,02	151	2,78	231-215-111	15
225	on request	0,02	158	2,9	231-225-111	15
250	on request	0,02	175	3,21	231-250-111	15
275	on request	0,01	193	3,52	231-275-111	15
300	on request	0,01	210	3,83	231-300-111	15
315	on request	0,01	221	4,01	231-315-111	15
325	on request	0,01	228	4,14	231-325-111	15
350	on request	0,01	245	4,45	231-350-111	15
375	on request	0,01	263	4,78	231-375-111	15
400	on request	0,01	280	5,09	231-400-111	15
450	on request	0,01	360	5,71	231-450-111	15
500	on request	0,01	400	6,33	231-500-111	15
550	on request	0,01	440	6,94	231-550-111	10
600	on request	0,01	480	7,56	231-600-111	10
700	on request	0,01	560	8,8	231-700-111	10
800	on request	0,01	640	10,03	231-800-111	10
900	on request	0,01	720	11,27	231-900-111	10

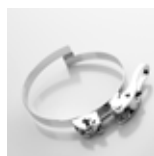
All data refers to a medium and ambient temperature of +20 °C
 * Refers to the inner hose lining
 Subject to technical changes and colour deviations.

Please note the changed article numbers.

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



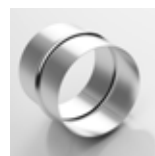
Hose Reducer, symmetrical



Clip-Grip quick action clamp



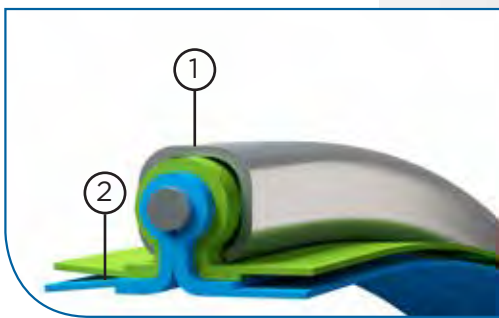
Clip-Grip Hose clamp, screwable



Hose Connector

Master-Clip HT 650

Medium- and high temperature hose for temperatures up to +650°C



Material

- ① clip profile spiral: hot-dip galvanised steel band
- ② wall: double-layered, inner and outer layers with special-coated high-temperature fabric reinforced with integrated VA wire

Applications

- oven manufacturing
- exhaust gas extraction for high-performance engine test-benches in the automotive industry
- automotive and aircraft industry
- shipbuilding industry
- infrared drying units
- heat protection
- mining and steel industry
- machine manufacturing
- smoke extractors

Available on request

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

Properties

- very good temperature resistance
- outer chafing protection spiral
- small bending radii
- axial compressable
- flame-resistant
- withstands high mechanical loads
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- increased vibration resistance via integrated reinforcement components
- silicone-free
- flexible
- limited suitability for long-term kink movements
- good vacuum resistance

Temperature Range

- -20°C to +650°C for vacuum applications
- peaks to +750°C



Stock lengths and technical data / www.masterflex.de

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
50	on request	0,39	30	1,1	229-050-111	15
55	on request	0,34	33	1,19	229-055-111	15
60	on request	0,31	36	1,29	229-060-111	15
65	on request	0,29	39	1,38	229-065-111	15
70	on request	0,26	42	1,47	229-070-111	15
75	on request	0,25	45	1,57	229-075-111	15
80	on request	0,22	48	1,66	229-080-111	15
90	on request	0,21	54	1,85	229-090-111	15
100	on request	0,17	60	1,57	229-100-111	15
110	on request	0,14	66	1,71	229-110-111	15
120	on request	0,12	72	1,85	229-120-111	15
125	on request	0,1	75	1,93	229-125-111	15
130	on request	0,1	78	2	229-130-111	15
140	on request	0,09	84	2,14	229-140-111	15
150	on request	0,08	90	2,29	229-150-111	15
160	on request	0,07	96	2,43	229-160-111	15
170	on request	0,06	102	2,57	229-170-111	15
175	on request	0,06	105	2,65	229-175-111	15
180	on request	0,05	108	2,72	229-180-111	15
200	on request	0,04	120	3,01	229-200-111	15
215	on request	0,04	151	3,22	229-215-111	15
225	on request	0,03	158	3,36	229-225-111	15
250	on request	0,03	175	3,72	229-250-111	15
275	on request	0,02	193	4,08	229-275-111	15
300	on request	0,02	210	4,44	229-300-111	15
315	on request	0,02	221	4,66	229-315-111	15
325	on request	0,02	228	4,8	229-325-111	15
350	on request	0,02	245	5,16	229-350-111	15
375	on request	0,01	263	5,55	229-375-111	15
400	on request	0,01	280	5,91	229-400-111	15
450	on request	0,01	360	6,63	229-450-111	15
500	on request	0,01	400	7,35	229-500-111	15
550	on request	0,01	440	8,07	229-550-111	10
600	on request	0,01	480	8,79	229-600-111	10
700	on request	0,01	560	10,23	229-700-111	10
800	on request	0,01	640	11,67	229-800-111	10
900	on request	0,01	720	13,11	229-900-111	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.

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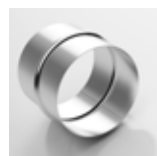
Hose Reducer, symmetrical



Clip-Grip quick action clamp



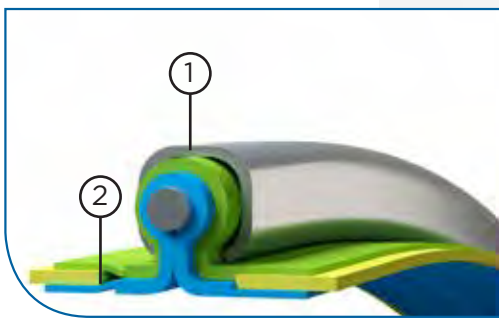
Clip-Grip Hose clamp, screwable



Hose Connector

Master-Clip HT 1100

Medium- and high temperature hose for temperatures up to +1100°C



Material

- 1 clamp profile spiral: VA steel band (1.4512)
- 2 wall: three-layered, inner layer: stainless steel wire fabric, outer layer: high-temperature, special-coated with heat stabilisers reinforced with VA wire, intermediate layer: thermo-textile fabric

Applications

- oven manufacturing
- automotive and aircraft industry
- shipbuilding industry
- heat protection
- mining and steel industry
- exhaust gas extraction for high performance test-benches in the automotive industry
- suction/extraction of turbojet engine exhaust fumes
- exhaust gas extraction for larger capacity engines
- extreme temperature demands
- suction during spark formation
- machine manufacturing
- defence systems

Available on request

- available on request in other lengths, sizes, colours and spiral intervals

Properties

- very good temperature resistance
- outer chafing protection spiral
- small bending radii
- flame-resistant
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- silicone-free
- flexible
- limited suitability for long-term kink movements

Temperature Range

- 20°C to +1100°C for vacuum applications

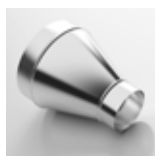


Stock lengths and technical data / www.masterflex.de

DN	op. pressure bar	vacuum bar	bend radius mm	weight/m kg	article no.	max. production length m
75	on request	0,3	45	1,68	230-075-111	15
80	on request	0,27	48	1,78	230-080-111	15
90	on request	0,25	54	1,99	230-090-111	15
100	on request	0,2	60	1,78	230-100-111	15
110	on request	0,16	66	1,94	230-110-111	15
120	on request	0,14	72	2,11	230-120-111	15
125	on request	0,12	75	2,19	230-125-111	15
130	on request	0,12	78	2,27	230-130-111	15
140	on request	0,1	84	2,44	230-140-111	15
150	on request	0,09	90	2,6	230-150-111	15
160	on request	0,08	96	2,77	230-160-111	15
170	on request	0,07	102	2,93	230-170-111	15
175	on request	0,07	105	3,02	230-175-111	15
180	on request	0,06	126	3,1	230-180-111	15
200	on request	0,05	140	3,43	230-200-111	15
215	on request	0,05	151	3,68	230-215-111	10
225	on request	0,04	158	3,84	230-225-111	10
250	on request	0,03	175	4,25	230-250-111	10
275	on request	0,03	193	4,67	230-275-111	10
300	on request	0,02	210	5,08	230-300-111	10
315	on request	0,02	221	5,33	230-315-111	10
325	on request	0,02	228	5,49	230-325-111	10
350	on request	0,02	245	5,9	230-350-111	10
375	on request	0,02	300	6,35	230-375-111	10
400	on request	0,01	320	6,76	230-400-111	10
450	on request	0,01	360	7,59	230-450-111	10
500	on request	0,01	400	8,41	230-500-111	10
550	on request	0,01	440	9,24	230-550-111	10
600	on request	0,01	480	10,06	230-600-111	10
700	on request	0,01	560	11,72	230-700-111	10
800	on request	0,01	640	13,37	230-800-111	10
900	on request	0,01	720	15,02	230-900-111	10

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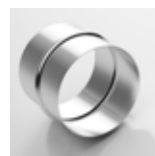
Hose Reducer, symmetrical



Clip-Grip quick action clamp



Clip-Grip Hose clamp, screwable



Hose Connector