

SPECIAL HOSE FOR THE EXTRACTION OF WELDING FUMES



MASTER-CLIP SPARK

Material

hose wall: PVC-coated glass fabric, flame resistant
external helix: galvanized steel

Applications

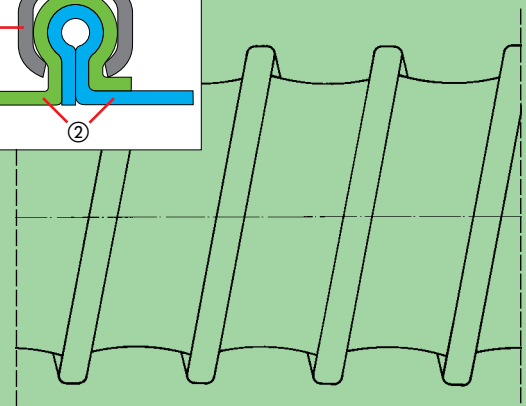
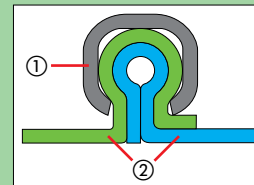
- extraction of welding fumes
- air conditioning/ventilation
- exhaust equipment
- ducting and extraction of air
- in areas with raised safety requirements
- tent heating
- extraction of soldering fumes
- low pressure applications

Properties

- flame resistant
- largely resistant to stray sparks
- good resistance to mechanical damage
- highly flexible
- extreme compressibility 1:6
- small bend radius
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- ① external helix
- ② hose wall: PVC-coated glass fabric



Temperature Range

- -5°F up to +195°F
- intermittent to +230°F

Chem. Resistance

see resistance table

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



Masterduct
Member of the Masterflex-Group

MASTER-CLIP SPARK

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.00	342	128	1.20	0.2684	215-050-604
2.50	237	76	1.56	0.3355	215-063-604
3.00	189	56	1.80	0.4026	215-075-604
3.50	143	40	2.16	0.4026	215-090-604
4.00	121	32	2.40	0.4026	215-100-604
4.50	104	26	2.64	0.4697	215-115-604
5.00	84	20	3.00	0.5368	215-125-604
5.50	70	16	3.36	0.5368	215-140-604
6.00	63	14	3.60	0.6039	215-150-604
6.40	56	12	3.84	0.6039	215-160-604
7.00	49	10	4.20	0.6710	215-175-604
8.00	40	8	4.80	0.8052	215-200-604
9.00	33	6	6.32	0.9394	215-225-604
10.00	28	5	7.00	1.0736	215-250-604
11.00	24	4	7.72	1.2749	215-275-604
12.00	21	4	8.40	1.4091	215-300-604
13.00	18	3	9.12	1.4762	215-325-604
14.00	16	3	9.80	1.6775	215-350-604
15.00	14	2	10.52	1.9459	215-375-604
16.00	13	2	11.20	2.0801	215-400-604
18.00	11	2	14.40	2.4156	215-450-604
20.00	9	1	16.00	2.7511	215-500-604
22.00	8	1	17.60	3.0866	215-550-604
24.00	7	1	19.20	3.4221	215-600-604
28.00	5	1	22.40	4.0260	215-700-604
32.00	4	1	25.60	4.6299	215-800-604
36.00	4	1	28.80	5.2338	215-900-604

Delivery forms:

Standard production:

- Dia. 1.6" - 36"
- Color: gray
- Production lengths 25'

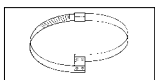
Available on request:

- other colors
- special lengths
- custom design with other pitches and helix sizes
- external helix also in stainless steel or aluminium
- special diameters - metric

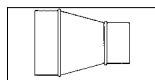
* Referring to the inner side of the elbow of hose.

The above mentioned data refers to an average and ambient temperature of 68°F. Subject to technical changes and color variations. Please refer to technical data sheet when selecting hose.

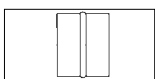
Installation and connection possibilities:



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer; symmetrical



hose connector