

# SPECIAL HOSE FOR THE EXTRACTION OF WELDING FUMES



4.7

## MASTER-CLIP SPARK

### Material

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

### Applications

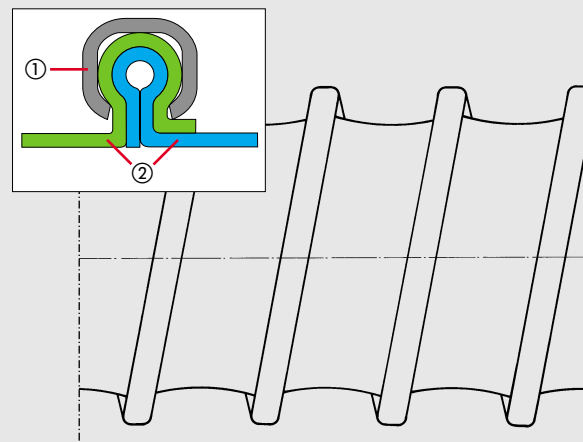
- extraction of welding fumes
- air conditioning/ventilation
- exhaust equipment
- ducting and extraction of air
- in areas with raised safety requirements
- tent heating
- extraction of soldering fumes
- low pressure applications

### Properties

- flame resistant
- largely resistant to stray sparks
- abrasion resistant
- 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 section no. 15

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



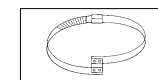
# MASTER-CLIP SPARK

Dia. (in.)	Positive (Dia.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
1.6	362	144	0.96	0.2684	215-040-604
1.8	350	136	1.08	0.2684	215-045-604
2.0	342	128	1.20	0.2684	215-050-604
2.2	313	106	1.32	0.2684	215-055-604
2.4	273	89	1.44	0.3355	215-060-604
2.6	237	76	1.56	0.3355	215-065-604
2.8	213	64	1.68	0.3355	215-070-604
3.0	189	56	1.80	0.4026	215-075-604
3.2	173	50	1.92	0.4026	215-080-604
3.6	143	40	2.16	0.4026	215-090-604
4.0	121	32	2.40	0.4026	215-100-604
4.4	104	26	2.64	0.4697	215-110-604
4.8	90	22	2.88	0.4697	215-120-604
5.0	84	20	3.00	0.5368	215-125-604
5.2	79	19	3.12	0.5368	215-130-604
5.6	70	16	3.36	0.5368	215-140-604
6.0	63	14	3.60	0.6039	215-150-604
6.4	56	12	3.84	0.6039	215-160-604
6.8	51	11	4.08	0.6039	215-170-604
7.0	49	10	4.20	0.6710	215-175-604
7.2	47	10	4.32	0.6710	215-180-604
8.0	40	8	4.80	0.8052	215-200-604
8.6	35	7	6.04	0.8723	215-215-604
9.0	33	6	6.32	0.9394	215-225-604
10.0	28	5	7.00	1.0736	215-250-604
11.0	24	4	7.72	1.2749	215-275-604
12.0	21	4	8.40	1.4091	215-300-604
12.6	19	3	8.84	1.4091	215-315-604
13.0	18	3	9.12	1.4762	215-325-604
14.0	16	3	9.80	1.6775	215-350-604
15.0	14	2	10.52	1.9459	215-375-604
16.0	13	2	11.20	2.0801	215-400-604
18.0	11	2	14.40	2.4156	215-450-604
20.0	9	1	16.00	2.7511	215-500-604
22.0	8	1	17.60	3.0866	215-550-604
24.0	7	1	19.20	3.4221	215-600-604
28.0	5	1	22.40	4.0260	215-700-604
32.0	4	1	25.60	4.6299	215-800-604
36.0	4	1	28.80	5.2338	215-900-604

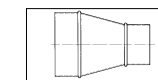
\* Referring to the inner side of the elbow of hose.

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 (see section no. 11 and 12):



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector

### Delivery forms:

Standard production:

- Dia. 1.6" - 36"
- Color grey
- Production lengths 20' and 25'

Available on request:

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