

# EXHAUST GAS HOSE FOR EXHAUST GAS TEMPERATURES UP TO +570°F



6.5

## MASTER-CLIP ISO-CAR

### Material

**hose wall:** two-layers, inner and outer layer special-coated high-temperature fabric  
**external helix:** galvanized steel

### Applications

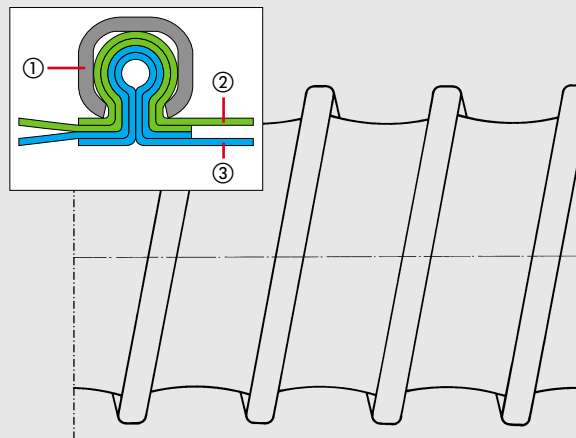
- hot air
- suction plants
- vehicle construction
- engine construction
- aircraft industries
- defense industries
- general engineering
- diesel engine test beds with raised extraction speed
- low pressure applications

### Properties

- primarily suited as suction hose
- very good temperature resistance
- flame resistant
- high resistance to mechanical loadings
- vibration resistant
- abrasion resistant
- flexible
- compressibility 1:4
- small bend radius
- good vacuum characteristics
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

### Construction

- ① external helix
- hose wall:
- ② inside and
- ③ outside: special-coated high temperature fabric



### Temperature Range

- -75°F up to +570°F
- intermittent to +660°F

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



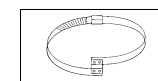
## MASTER-CLIP ISO-CAR

| Dia. (in.) | Positive (in. w.c.) | Negative (in. w.c.) | *Bending radius (in.) | Weight (lbs./ft.) | Product code |
|------------|---------------------|---------------------|-----------------------|-------------------|--------------|
| 2.0        | 362                 | 156                 | 1.20                  | 0.4026            | 226-050-120  |
| 2.2        | 342                 | 134                 | 1.32                  | 0.4697            | 226-055-120  |
| 2.4        | 313                 | 117                 | 1.44                  | 0.4697            | 226-060-120  |
| 2.6        | 273                 | 105                 | 1.56                  | 0.5368            | 226-065-120  |
| 2.8        | 269                 | 91                  | 1.68                  | 0.6039            | 226-070-120  |
| 3.0        | 249                 | 85                  | 1.80                  | 0.6710            | 226-075-120  |
| 3.2        | 245                 | 76                  | 1.92                  | 0.6710            | 226-080-120  |
| 3.6        | 225                 | 66                  | 2.16                  | 0.8052            | 226-090-120  |
| 4.0        | 205                 | 53                  | 2.40                  | 0.8723            | 226-100-120  |
| 4.4        | 193                 | 44                  | 2.64                  | 0.8723            | 226-110-120  |
| 4.8        | 145                 | 37                  | 2.88                  | 0.9394            | 226-120-120  |
| 5.0        | 133                 | 33                  | 3.00                  | 0.9394            | 226-125-120  |
| 5.2        | 113                 | 31                  | 3.12                  | 1.0736            | 226-130-120  |
| 5.6        | 100                 | 28                  | 3.36                  | 1.0736            | 226-140-120  |
| 6.0        | 88                  | 24                  | 3.60                  | 1.2078            | 226-150-120  |
| 6.4        | 84                  | 22                  | 3.84                  | 1.2078            | 226-160-120  |
| 6.8        | 76                  | 19                  | 4.08                  | 1.3420            | 226-170-120  |
| 7.0        | 74                  | 18                  | 4.20                  | 1.4091            | 226-175-120  |
| 7.2        | 69                  | 16                  | 5.04                  | 1.4091            | 226-180-120  |
| 8.0        | 59                  | 13                  | 5.60                  | 1.6104            | 226-200-120  |
| 8.6        | 51                  | 12                  | 6.04                  | 1.2749            | 226-215-120  |
| 9.0        | 46                  | 11                  | 6.32                  | 1.3420            | 226-225-120  |
| 10.0       | 40                  | 9                   | 7.00                  | 1.4762            | 226-250-120  |
| 11.0       | 32                  | 7                   | 7.72                  | 1.5433            | 226-275-120  |
| 12.0       | 28                  | 6                   | 8.40                  | 1.6104            | 226-300-120  |
| 12.6       | 25                  | 6                   | 8.84                  | 1.6104            | 226-315-120  |
| 13.0       | 24                  | 5                   | 9.12                  | 1.6775            | 226-325-120  |
| 14.0       | 23                  | 5                   | 9.80                  | 1.9459            | 226-350-120  |
| 15.0       | 20                  | 4                   | 12.0                  | 2.1472            | 226-375-120  |
| 16.0       | 19                  | 3                   | 12.8                  | 2.2814            | 226-400-120  |
| 18.0       | 18                  | 3                   | 14.4                  | 2.6840            | 226-450-120  |
| 20.0       | 17                  | 2                   | 16.0                  | 3.0195            | 226-500-120  |
| 22.0       | 17                  | 2                   | 17.6                  | 3.4221            | 226-550-120  |
| 24.0       | 16                  | 2                   | 19.2                  | 3.7576            | 226-600-120  |
| 28.0       | 12                  | 1                   | 22.4                  | 4.4286            | 226-700-120  |
| 32.0       | 9                   | 1                   | 25.6                  | 5.0996            | 226-800-120  |
| 36.0       | 6                   | 1                   | 28.8                  | 5.7706            | 226-900-120  |

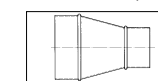
\* Referring to the inner side of the elbow of hose.

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.

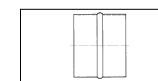
Installation and connection possibilities (see section no. 11 and 12):



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector

### Delivery forms:

Standard production:

- Dia. 2" - 36"
- Color: inside silver-grey outside green-grey
- Standard lengths 10', 25'

Available on request:

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