

# Master-NEO 1

Article Master No.: 000479

Medium and high temperature hose for temperatures up to +135 °C



hydrolysis  
resistant



microbe  
resistant



compressi  
ble



very  
flexible



light



moderatel  
y pressure  
resistant

## Product Details

### Construction / Material

- Type of construction: single or multi-layer spiral hose made of vulcanized fabric strips
- Execution of the wall: single layer executed, coating of neoprene
- Material of the wall: glass fabric
- Design of the cord: designed as cord
- Material of the cord: glass fibre yarn

### Properties

- Chemical Properties: good resistance to chemicals
- Mechanical Properties: kink-proof
- Flexibility: very flexible
- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: black

### Operating Temperature

- Temperature Range: -35 - 135
- short-term maximum temperature: short-term -55 °C to 150 °C

## Delivery Information

- Delivery, type of production: various nominal widths in standard lengths are available ex-production, individual nominal widths and lengths also ex-stock

## Application Areas

- Areas of application: Automotive, Plant & Mechanical Engineering, Industry, Aerospace technology, Ventilation & Air-conditioning, Bulk & Construction, Sea & Rail transport, Wood, Chemistry, Plastics, Conveying, lifting & feeding technology, Printing & Paper, Vehicle Construction, Metal & Toolmaking

## Customizing Options

- optional item modification (on request): other colours, other nominal widths, with customer-specific imprint, with spiral-free end sleeves, with plastic spiral

## Article Variants

| Extended Article Number | Article number | Nominal Size (DN) mm | Bending radius* mm | Weight kg/m | Operating pressure bar | Negative pressure bar | Max. Production length m | Stock Lengths m | Length (standard lengths available for order) m |
|-------------------------|----------------|----------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|-------------------------------------------------|
| 000479:13:x             | 000479         | 13                   | 8                  | 0.10        | 1.70                   | 0.51                  | 4.00                     | /               | 4                                               |
| 000479:19:x             | 000479         | 19                   | 8                  | 0.11        | 1.60                   | 0.50                  | 4.00                     | 4               | 4                                               |
| 000479:22:x             | 000479         | 22                   | 8                  | 0.12        | 1.60                   | 0.50                  | 4.00                     | 4               | 4                                               |
| 000479:25:x             | 000479         | 25                   | 8                  | 0.12        | 1.60                   | 0.50                  | 4.00                     | 4               | 4                                               |
| 000479:30:x             | 000479         | 30                   | 10                 | 0.14        | 1.40                   | 0.49                  | 4.00                     | /               | 4                                               |
| 000479:32:x             | 000479         | 32                   | 11                 | 0.15        | 1.37                   | 0.49                  | 4.00                     | 4               | 4                                               |
| 000479:35:x             | 000479         | 35                   | 11                 | 0.15        | 1.35                   | 0.49                  | 4.00                     | /               | 4                                               |
| 000479:38:x             | 000479         | 38                   | 12                 | 0.17        | 1.30                   | 0.49                  | 4.00                     | 4               | 4                                               |
| 000479:41:x             | 000479         | 41                   | 13                 | 0.20        | 1.30                   | 0.47                  | 4.00                     | /               | 4                                               |
| 000479:42:x             | 000479         | 42                   | 13                 | 0.20        | 1.20                   | 0.47                  | 4.00                     | /               | 4                                               |
| 000479:44:x             | 000479         | 44                   | 14                 | 0.21        | 1.20                   | 0.45                  | 4.00                     | 4               | 4                                               |
| 000479:45:x             | 000479         | 45                   | 14                 | 0.21        | 1.20                   | 0.45                  | 4.00                     | /               | 4                                               |
| 000479:51:x             | 000479         | 51                   | 16                 | 0.25        | 1.20                   | 0.42                  | 4.00                     | 4               | 4                                               |
| 000479:55:x             | 000479         | 55                   | 18                 | 0.27        | 1.10                   | 0.41                  | 4.00                     | 4               | 4                                               |
| 000479:57:x             | 000479         | 57                   | 18                 | 0.28        | 1.10                   | 0.40                  | 4.00                     | 4               | 4                                               |
| 000479:60:x             | 000479         | 60                   | 20                 | 0.30        | 1.10                   | 0.39                  | 4.00                     | 4               | 4                                               |
| 000479:63:x             | 000479         | 63                   | 22                 | 0.32        | 1.10                   | 0.38                  | 4.00                     | 4               | 4                                               |
| 000479:64:x             | 000479         | 64                   | 22                 | 0.32        | 1.10                   | 0.38                  | 4.00                     | /               | 4                                               |
| 000479:65:x             | 000479         | 65                   | 22                 | 0.34        | 1.10                   | 0.37                  | 4.00                     | /               | 4                                               |
| 000479:70:x             | 000479         | 70                   | 24                 | 0.36        | 1.10                   | 0.35                  | 4.00                     | 4               | 4                                               |
| 000479:76:x             | 000479         | 76                   | 27                 | 0.41        | 1.10                   | 0.33                  | 4.00                     | 4               | 4                                               |
| 000479:80:x             | 000479         | 80                   | 28                 | 0.44        | 1.00                   | 0.31                  | 4.00                     | 4               | 4                                               |
| 000479:83:x             | 000479         | 83                   | 28                 | 0.46        | 1.00                   | 0.30                  | 4.00                     | 4               | 4                                               |
| 000479:90:x             | 000479         | 90                   | 29                 | 0.49        | 1.00                   | 0.29                  | 4.00                     | 4               | 4                                               |
| 000479:91:x             | 000479         | 91                   | 29                 | 0.49        | 1.00                   | 0.29                  | 4.00                     | /               | 4                                               |
| 000479:95:x             | 000479         | 95                   | 32                 | 0.56        | 0.90                   | 0.28                  | 4.00                     | 4               | 4                                               |
| 000479:102:x            | 000479         | 102                  | 35                 | 0.65        | 0.90                   | 0.26                  | 4.00                     | 4               | 4                                               |
| 000479:108:x            | 000479         | 108                  | 38                 | 0.68        | 0.90                   | 0.24                  | 4.00                     | /               | 4                                               |
| 000479:110:x            | 000479         | 110                  | 38                 | 0.69        | 0.90                   | 0.24                  | 4.00                     | /               | 4                                               |
| 000479:114:x            | 000479         | 114                  | 40                 | 0.71        | 0.90                   | 0.22                  | 4.00                     | 4               | 4                                               |

| Extended Article Number | Article number | Nominal Size (DN) mm | Bending radius* mm | Weight kg/m | Operating pressure bar | Negative pressure bar | Max. Production length m | Stock Lengths m | Length (standard lengths available for order) m |
|-------------------------|----------------|----------------------|--------------------|-------------|------------------------|-----------------------|--------------------------|-----------------|-------------------------------------------------|
| 000479:120:x            | 000479         | 120                  | 43                 | 0.76        | 0.80                   | 0.20                  | 4,00                     | /               | 4                                               |
| 000479:127:x            | 000479         | 127                  | 46                 | 0.80        | 0.80                   | 0.17                  | 4,00                     | 4               | 4                                               |
| 000479:130:x            | 000479         | 130                  | 47                 | 0.82        | 0.80                   | 0.17                  | 4,00                     | /               | 4                                               |
| 000479:140:x            | 000479         | 140                  | 48                 | 0.90        | 0.70                   | 0.15                  | 4,00                     | 4               | 4                                               |
| 000479:152:x            | 000479         | 152                  | 51                 | 0.99        | 0.70                   | 0.14                  | 4,00                     | 4               | 4                                               |
| 000479:160:x            | 000479         | 160                  | 53                 | 1.05        | 0.60                   | 0.13                  | 4,00                     | 4               | 4                                               |
| 000479:165:x            | 000479         | 165                  | 55                 | 1.08        | 0.60                   | 0.12                  | 4,00                     | /               | 4                                               |
| 000479:180:x            | 000479         | 180                  | 60                 | 1.19        | 0.60                   | 0.11                  | 4,00                     | /               | 4                                               |
| 000479:203:x            | 000479         | 203                  | 68                 | 1.33        | 0.50                   | 0.07                  | 4,00                     | 4               | 4                                               |
| 000479:229:x            | 000479         | 229                  | 84                 | 1.48        | 0.40                   | 0.06                  | 4,00                     | /               | 4                                               |
| 000479:254:x            | 000479         | 254                  | 102                | 1.68        | 0.40                   | 0.04                  | 4,00                     | 4               | 4                                               |
| 000479:305:x            | 000479         | 305                  | 123                | 2.05        | 0.20                   | 0.02                  | 4,00                     | 4               | 4                                               |

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

Specification of the bending radius related to the inside of the hose bend

Subject to technical changes and colour deviations

## Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

## Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

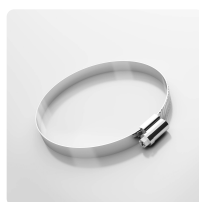
## Possible Connection Elements



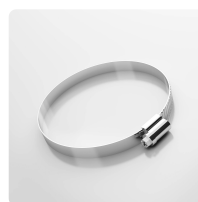
**Hose connector**  
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



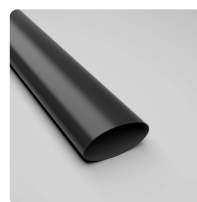
**Hose Reducer, symmetrical**  
Hose reducer for extending, connecting and joining light to medium weight hoses



**Hose Clamp with Worm-Gear**  
Standard clamp for fastening light hose types to connecting pieces on mobile and stationary installations



**Hose Clamp with Worm-Gear, Steel quality W4, stainless steel 1.4301**  
Standard clamp for fastening light hose types to connecting pieces on mobile and stationary installations



**Heat Shrink Cuff**  
Heat shrink sleeve for easy connection and sealing of hoses

### Individual consultation

We offer consultation by  
phone:  
+49 209 97077-112

Product requests via  
[masterflex.de/en](https://masterflex.de/en)

### Address Headquarters

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