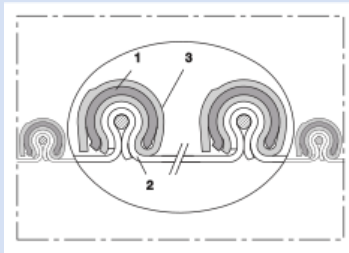


# CP ARAMID 461 PROTECT



Exhaust gas hose, vibration resistant, outer protection profile

## Applications

- flexible hose/ ducting for hot gases
- vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system
- engine test bench, exhaust gas measurement

## Properties

- outer protection profile made of elasticised material
- abrasion protection via external clamp profile
- secure clamping of the wall within the clamp profile
- highly flexible + compressible

- vibration resistant
- very good heat resistance
- good resistance to chemicals
- flame-retardant
- Aramid wall: Fire-class "M1" according to UNE 23.727-90
- 1 clamp-cover band and 2 end-caps included
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

## Temperature Range

- exhaust gas temperatures to 300°C \*
- \* when correctly applied with exhaust gas funnels and sufficient fresh air supply (50% approx.).

## Design

- CP construction
- clamp profile supporting spiral: galvanised steel
- wall: special-coated high-temperature fabric
- firmly clamped, shock-absorbing, anti-abrasion profile made from elasticised, high-temperature plastic

## Delivery variants

- further diameters and lengths available on request
- special colours: coloured spiral
- stainless steel (INOX) clamp profile

| I.D.        | outer Ø | Pressure | Vacuum | Bending Radius | Weight | Dimensions in Stock       | Production Lengths | Order No.     |
|-------------|---------|----------|--------|----------------|--------|---------------------------|--------------------|---------------|
| (in / mm)   | (mm)    | (bar)    | (bar)  | (mm)           | (kg/m) | (m)                       | (m)                |               |
| 3 / 75-76   | 89.00   | 0,420    | 0,230  | 48.00          | 0.87   | 2,5 5 6 7,5               | -                  | 461-0075-7500 |
| - / 80      | 94.00   | 0,405    | 0,200  | 49.00          | 0.92   | 2,5 5 6 7,5               | -                  | 461-0080-7500 |
| 4 / 100-102 | 114.00  | 0,250    | 0,120  | 58.00          | 0.88   | 2,5 5 6 7,5 10<br>12,5 15 | -                  | 461-0100-7500 |
| 5 / 125-127 | 139.00  | 0,220    | 0,085  | 70.00          | 1.09   | 2,5 5 6 7,5 10<br>12,5 15 | -                  | 461-0125-7500 |
| 6 / 150-152 | 164.00  | 0,140    | 0,050  | 81.00          | 1.05   | 2,5 5 6 7,5 10<br>12,5 15 | -                  | 461-0150-7500 |
| 8 / 200-203 | 214.00  | 0,115    | 0,030  | 103.00         | 1.29   | 2,5 5 6 7,5 10<br>12,5 15 | -                  | 461-0200-7500 |
| - / 250     | 264.00  | 0,080    | 0,025  | 125.00         | 1.64   | 2,5 5 6 7,5 10<br>12,5 15 | -                  | 461-0250-7500 |

## Accessories



CLAMP 213



CONNECT 228



CONNECT 270-271



CLAMP 217



CLAMP 212

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data. Additional information at [www.norres.com/en/technology/](http://www.norres.com/en/technology/).