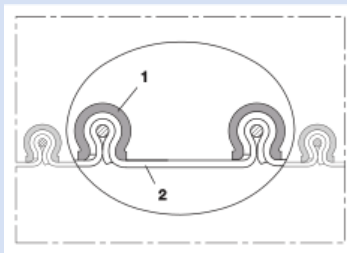


# CP ARAMID 461



Clamp profile hose (clip hose), vibration-resistant (up to +300 °C)

## Applications

- flexible hose/ ducting for hot and cold gases and for dust, powder, fibres
- vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system
- high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill
- bellows, compensators

## Properties

- abrasion protection via external clamp profile
- secure clamping of the wall within the clamp profile

- highly flexible + compressible 4:1
- vibration resistant
- very good heat resistance
- good resistance to chemicals
- flame-retardant according to: DIN 4102 (orientation testing)
- Aramid wall: Fire-class "M1" according to UNE 23.727-90
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

## Temperature Range

- 60 °C to 260 °C
- short time to 300 °C

## Design

- CP construction
- clamp profile supporting spiral: galvanised steel
- wall: special-coated high-temperature fabric

## Delivery variants

- further diameters and lengths available on request
- Stainless Steel (INOX)

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
1,5 / 38	50.00	0,600	0,450	21.00	0.47	6	461-0038-0000
- / 40	52.00	0,585	0,440	22.00	0.49	6	461-0040-0000
2 / 50-51	62.00	0,525	0,380	25.00	0.62	6	461-0050-0000
2,36 / 60	72.00	0,480	0,320	28.00	0.73	6	461-0060-0000
2,5 / 63-65	77.00	0,460	0,290	30.00	0.79	6	461-0065-0000
- / 70	82.00	0,440	0,260	31.00	0.84	6	461-0070-0000
3 / 75-76	87.00	0,420	0,230	33.00	0.90	6	461-0075-0000
- / 80	92.00	0,405	0,200	34.00	0.95	6	461-0080-0000
3,5 / 89-90	102.00	0,375	0,140	37.00	1.06	6	461-0090-0000
4 / 100-102	112.00	0,250	0,120	40.00	0.86	6	461-0100-0000
- / 110	122.00	0,240	0,105	43.00	0.94	3 6	461-0110-0000
4,5 / 114-115	127.00	0,230	0,095	45.00	0.99	3 6	461-0115-0000
4,72 / 120	132.00	0,225	0,090	46.00	1.03	3 6	461-0120-0000
5 / 125-127	137.00	0,220	0,085	48.00	1.07	3 6	461-0125-0000
- / 130	142.00	0,215	0,075	49.00	1.11	3 6	461-0130-0000
5,5 / 140	152.00	0,205	0,060	52.00	1.19	3 6	461-0140-0000
6 / 150-152	162.00	0,140	0,050	55.00	0.83	3 6	461-0150-0000
6,3 / 160	172.00	0,135	0,045	58.00	0.89	3 6	461-0160-0000
6,5 / 165	177.00	0,130	0,045	60.00	0.92	3 6	461-0165-0000
- / 170	182.00	0,130	0,040	61.00	0.94	3 6	461-0170-0000
7 / 178-180	192.00	0,125	0,040	64.00	1.00	3 6	461-0180-0000
8 / 200-203	212.00	0,115	0,030	70.00	1.10	3 6	461-0200-0000
- / 225	237.00	0,110	0,025	78.00	1.24	3 6	461-0225-0000
- / 250	262.00	0,080	0,025	85.00	1.37	3 6	461-0250-0000
10 / 254	266.00	0,080	0,020	86.00	1.40	3 6	461-0254-0000

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/).

# CP ARAMID 461

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
- / 275	287.00	0,075	0,020	93.00	1.50	<b>3 6</b>	461-0275-0000
- / 300	312.00	0,070	0,015	100.00	1.64	<b>3 6</b>	461-0300-0000
12 / 305	317.00	0,070	0,015	102.00	1.67	<b>3 6</b>	461-0305-0000
- / 315	327.00	0,070	0,015	104.00	1.72	<b>3 6</b>	461-0315-0000
- / 325	337.00	0,070	0,015	107.00	1.77	<b>3 6</b>	461-0325-0000
- / 350	362.00	0,055	0,015	115.00	1.90	<b>3 6</b>	461-0350-0000
- / 400	412.00	0,050	0,010	130.00	2.17	<b>3 6</b>	461-0400-0000
16 / 405-406	418.00	0,050	0,010	132.00	2.21	<b>3 6</b>	461-0406-0000
- / 450	462.00	0,045	0,010	145.00	2.44	<b>3 6</b>	461-0450-0000
- / 500	512.00	0,040	0,005	160.00	2.71	<b>3 6</b>	461-0500-0000
20 / 508	520.00	0,030	0,005	163.00	2.75	<b>3 6</b>	461-0508-0000

## Accessories



CLAMP 213



CONNECT 270-271



CLAMP 212



CONNECT 228



CLAMP 217

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/).