

## CHEMICAL-RESISTANT

# CP ARAMID 461

High-temperature clamp profile with aramid wall — up to +300 °C, flame-retardant M1/B1



Highly flexible clamp profile hose with aramid wall, heat-resistant up to +300 °C peak. The aramid formulation is classified per UNE 23.727-90 (fire class M1) and DIN 4102-B1 — flame-retardant at the highest level. Designed for extraction of hot and cold gases, dust and particles — particularly exhaust and high-temperature extraction. Used where PUR-based HT hoses cannot handle the temperature.

**Media:** Gas, Dust

**Temp:** -60 °C to 260 °C

✓ Cut to length

## APPLICATIONS

- Exhaust extraction on industrial machines
- High-temperature air transport
- Engine exhaust in marine and automotive
- Extraction of hot particles in furnaces
- Drying systems at very high temperatures
- Vapour return in steam applications

## Technical specifications

<b>Material</b>	Aramid with galvanised steel clamp profile
<b>Colour</b>	White/beige
<b>Wall construction</b>	Clamp profile with aramid wall, compressible 4:1
<b>Spiral material</b>	galvanised steel clamp profile
<b>Conveying media</b>	Gas, Dust
<b>Temperature range</b>	-60 °C – 260 °C
<b>Short-term peak</b>	300 °C
<b>Cut to length</b>	Yes
<b>Manufacturer SKU</b>	4610000

### Standards and compliance

une-23727-90, din-4102-b1, REACH, RoHS

## Dimensions and ordering

The hose is supplied in 39 standard sizes from inner Ø 38.0 mm to 508.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
38	50	0.6	0.45	21	6	0.47	6	46100380000
40	52	0.585	0.44	22	6	0.49	6	46100400000
50.5	62.5	0.525	0.38	25	15	0.54	3, 6	46100500000
55	67	0.48	0.32	27	15	0.58	6	46100550000
60	72	0.48	0.32	28	15	0.63	3, 6	46100600000
64.5	76.5	0.46	0.29	30	15	0.67	6	46100650000
64.5	76.5	0.44	0.26	30	10	0.67	-	46100630000
70	82	0.44	0.26	31	15	0.72	6	46100700000
75.6	87.6	0.42	0.23	33	15	0.78	6	46100750000
80	92	0.405	0.2	34	15	0.82	6	46100800000
90	102	0.375	0.14	37	15	0.92	6	46100900000
101.5	113.5	0.25	0.12	40	15	0.77	3, 6	46101000000
110	122	0.24	0.105	43	15	0.83	3, 6	46101100000
115	127	0.23	0.095	45	15	0.86	3, 6	46101150000
120	132	0.225	0.09	46	15	0.9	3, 6	46101200000
126.5	138.5	0.22	0.085	48	15	0.95	3, 6	46101250000
130	142	0.215	0.075	49	15	0.97	3, 6	46101300000
140	152	0.205	0.06	52	15	1.04	3, 6	46101400000
151.5	163.5	0.14	0.05	55	15	0.78	3, 6	46101500000
160	172	0.135	0.045	58	15	0.82	3, 6	46101600000
165	177	0.13	0.045	60	15	0.85	3, 6	46101650000
170	182	0.13	0.04	61	15	0.87	3, 6	46101700000
180	192	0.125	0.04	64	15	0.92	3, 6	46101800000
202.3	214.3	0.115	0.03	70	15	1.03	3, 6	46102000000
225	237	0.11	0.025	78	15	1.15	3, 6	46102250000
250	262	0.08	0.025	85	15	1.27	3, 6	46102500000
254	266	0.08	0.02	86	15	1.29	3, 6	46102540000
275	287	0.075	0.02	93	15	1.4	3, 6	46102750000
300	312	0.07	0.015	100	15	1.52	3, 6	46103000000
305	317	0.07	0.015	102	15	1.55	3, 6	46103050000
315	327	0.07	0.015	104	15	1.59	3, 6	46103150000
325	337	0.07	0.015	107	15	1.64	3, 6	46103250000

Inner Ø [mm]	Outer Ø [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
350	362	0.055	0.015	115	15	1.77	3, 6	46103500000
400	412	0.05	0.01	130	15	2.02	3, 6	46104000000
406	418	0.05	0.01	132	15	2.05	3, 6	46104060000
450	462	0.045	0.01	145	15	2.27	3, 6	46104500000
457	469	0.045	0.01	147	15	2.3	3, 6	46104570000
500	512	0.04	0.005	160	15	2.51	3, 6	46105000000
508	520	0.03	0.005	163	10	2.55	3, 6	46105080000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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## Contact and advisory

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