

PRIEMYSELN<sup>α</sup> HADICE

# **OBSAH**

## **Gumené priemyselné hadice**

- Hadice na vodu
- Hadice na paru a horúcu vodu
- Hadice na vzduch
- Hadice na olej a ropné produkty
- Hadice na plyny
- Hadice na potraviny
- Hadice na abrazívne produkty
- Hadice na cehmické produkty

## **Plastové priemyselné hadice**

- Odsávacie hadice
- Hadice pre dopravu kvapalín

## **PTFE hadice**

- Hladké PTFE hadice
- Vlnovcové PTFE hadice
- Koncovky pre PTFE hadice

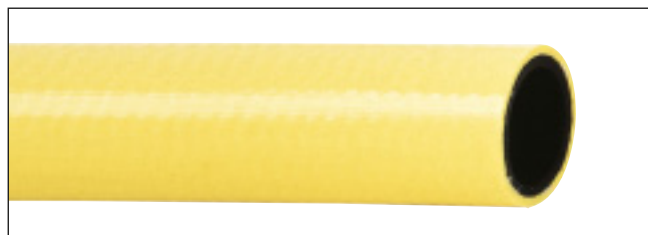
## **Kompozitné hadice**



**HADICE NA VODU**

**WATER HOSE**

## Tricotech<sup>®</sup>



Marking: **TRICOTECH<sup>®</sup> cadmiumfree**

### Thermoplastic waterhose

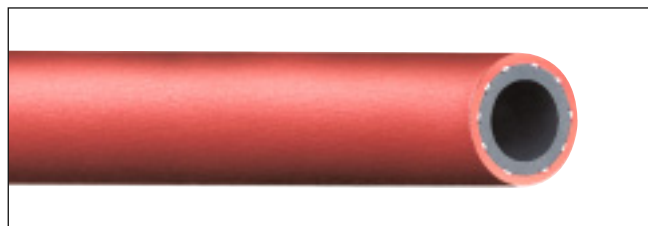
with special „anti-twist“ knitted insertions.

Working pressure : 10 bar at 20°C  
 Temperature range : -15°C / +60°C  
 Tube : PVC, black, smooth  
 Cover : PVC, yellow, smooth

\* Double Layer Construction  
 with an innovative combination of braided and knitted polyester yarns, which guaranties a higher resistance to dilatation and torsion of the hose.

ø Inner mm	ø Outer mm	Burst Pressure	kg/mtr	Length mtr	Art.-No.
12,5*	17	25 bar	0,150	25 / 50	4100 012000
15	20	25 bar	0,185	50	4100 015000
19*	25	25 bar	0,270	25 / 50	4100 019000
25*	32	24 bar	0,410	50	4100 025000
30	38	24 bar	0,620	50	4100 030000
40	50	24 bar	0,960	50	4100 040000
50	63	24 bar	1,420	25	4100 050000

## Induform<sup>®</sup> / RL



Marking:  **INDUFORM<sup>®</sup> / RL PN 10 BAR**

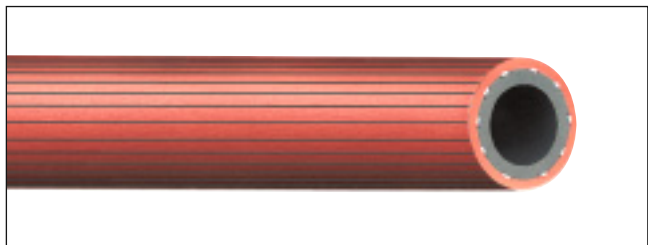
### Waterhose for agriculture and construction

easy-handling light-weighthose for irrigation, gardening etc.  
 Polyesterply reinforced.

Working pressure : 10 bar  
 Burst pressure : 30 bar  
 Temperature range: -20°C / +60°C  
 Tube : black, smooth  
 Cover : red, smooth

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
13	3	19	0,205	40	4130 013000
19	3,5	26	0,360	40	4130 019000
25	4	33	0,510	40	4130 025000

## Induform<sup>®</sup> / RR



Marking:  **INDUFORM<sup>®</sup> / RR PN 10 BAR**

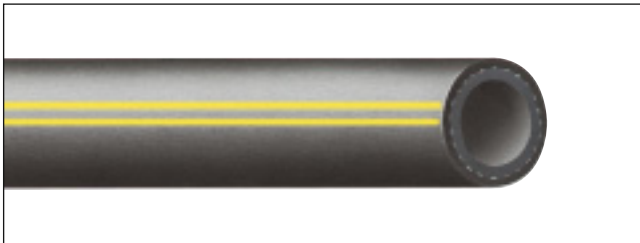
### Waterhose for agriculture and construction

Reinforced with polyesterplies, for gardening and irrigation,  
 building and construction.

Working pressure : 10 bar  
 Burst pressure : 30 bar  
 Temperature range: -20°C / +60°C  
 Tube : black, smooth  
 Cover : red, corrugated

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
13	3	19	0,205	100/40/20	3000 013000
19	3,5	26	0,360	100/40	3000 019000
25	4	33	0,510	100/40	3000 025000
32	6	44	1,010	40	3000 032040
38	6	50	1,150	50	3000 038000

## Calorform



### Waterhose

Rubber hose for hot water, fine EPDM blend, with yellow mark striping weather- and ageing resistant, black smooth.

Working pressure : 15 bar  
 Burst pressure : 45 bar  
 Temperature range : -40°C / +100°C  
 Tube : EPDM, black, smooth  
 Cover : EPDM, black, smooth with 2 yellow stripes

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	3,5	17	0,200	40	3126 010000
13	3,5	20	0,240	40	3126 013000
16	3,5	23	0,280	40	3126 016000
19	3,75	26,5	0,330	40	3126 019000
25	4	33	0,450	40	3126 025000

Cutted lebgth if available

## Python / green



### Multi-purpose waterhose

for industrial water, non-agressive liquids and seawater. Hose has very good chemical properties. Flexible and non-staining. Ageing- and ozoneresistant.

Working pressure : 20 bar  
 Burst pressure : 60 bar  
 Temperature range : -40°C / +120°C  
 intermittant use till +140° C  
 Tube : antistatic EPDM, black smooth,  
 Cover : EPDM, green, smooth  
 Reinforcements : textile plies

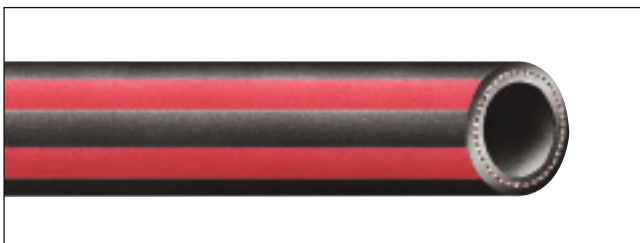


Marking: PYTHON and manufacturers brand, free of nitrosamine

also available as Python/yellow with working pressure: 30 bar

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
13	3,5	20	0,260	40/80	3020 013020
19	4	27	0,410	40/80	3020 019000
25	4,5	34	0,600	40/80	3020 025000
32	6	44	0,980	40	3020 032000

## Trix / Rotstrahl®



### Waterhose-multi-purpose hose

For general application in industry, agriculture, construction, mines, shipyards, a.o.

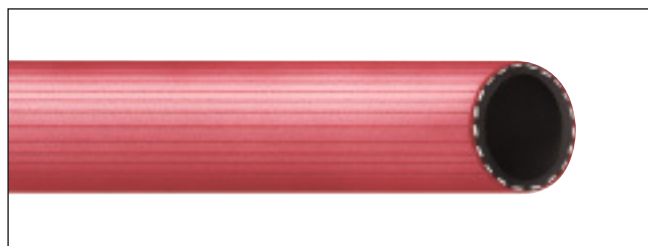
Hose has external anti-abrasion stripings.

Temperature range : -40°C / +100°C  
 Tube : synthetic rubber, black, smooth  
 Cover : synthetic rubber, red/black longitudinal striping, smooth

Marking: MANUFACTURERSNAME TRIX ROTSTRAHL®.. BAR BETRIEBSDRUCK - Made in GERMANY

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
13	3	19	20	0,250	40	3025 013000
16	3,5	23	20	0,330	40	3025 016000
19	4	27	20	0,440	40	3025 019000
25	4,5	34	20	0,580	40	3025 025000
32	5,5	43	15	0,870	40	3025 032000
38	6	50	15	1,100	40	3025 038000
50	7	64	10	1,560	40	3025 050000

## Tamburi®



### Firereel hose

for fire reels in buildings, according European Norms, hose is kinkproof and has very low expansion.

Norm	: EN 694
Burst pressure	: 42 bar
Temperature range	: -30°C / +60°C
Tube	: black, smooth,
Cover	: red, corrugated

Marking: **TAMBURI® EN 694-A2 Diam / Quarter / Year**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
19	3,5	26	0,330	20/25/30	3010 019000
25	4	33	0,495	20/25/30	3010 025000

## Lavaform



### Waterhose for washing-machines

Waterpressurehose for washing-machines, dishwashers, domestic equipments.

Working pressure	: 30 bar
Burst pressure	: 90 bar
Temperature range	: -20°C / +60°C
Tube	: Thermoplastic, black smooth
Cover	: Thermoplastic, grey smooth
Reinforcements	: polyester braids

Marking:  Diameter - 90 BAR / MAX 25°C

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
13	3,5	20	0,250	40	4011 013000

## Lavaform / Extra



### Waterhose for washing-machines

pressurehose for washing-machines, dishwashers, domestic equipments.

Working pressure	: 30 bar
Burst pressure	: 90 bar at 25°C
Temperature range	: -20°C / +95°C
Tube	: Thermoplastic, temperature resistant, black smooth
Cover	: Thermoplastic, grey smooth
Reinforcements	: polyester braids

Marking:  Diameter - 90 BAR MAX 95°C PD AT BAR 25°C

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	3,5	17	0,215	40	4012 010000
13	3,5	20	0,250	40	4012 013000

## Sprayfire



### Highpressure multi-purposehose

For fire-fighting equipment, agricultural spraying of pesticides, nitrogen, highpressure waterjetting.  
The ARAMIDE (TWARON) insertions provide a kinkproof and antitwist structure, suitable for reeling purposes.

Working pressure : 60 bar  
Burst pressure : 180 bar  
Temperature range : -20°C /+70°C  
Tube : NBR/PVC, black, smooth  
Cover : PU/PVC, black, smooth

Marking:  SPRAYFIRE PN 60 / PB 180 BAR

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	4,5	19	0,290	100	3170 010000
13	5,5	24	0,470	100	3170 013000
19	6,0	31	0,575	60/90	3170 019000
25	6,5	38	0,900	60	3170 025000

Cuttet length possible

## Eurolon®



### Layflat vinyl waterhose for easy-handling discharge

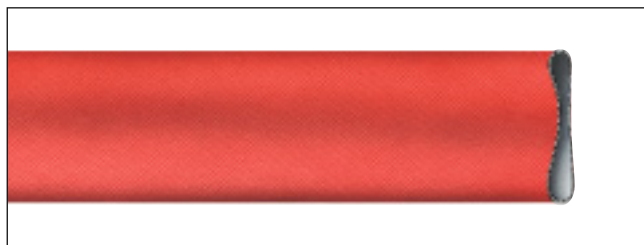
For use in agriculture, industry and construction to enable easy and fast discharge or supply of water.

Temperature range : -10°C /+60°C  
Construction : Through the textile plies extruded PVC  
Color : blue

For coupling	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
1"	7	0,165	50	4010 025000
1.1/4"	7	0,200	100	4010 032000
1.1/2"	7	0,230	100	4010 038000
2"	7	0,333	100	4010 050000
2.1/2"	7	0,430	100	4010 063000
3"	6	0,570	100	4010 075000
4"	6	0,865	100	4010 100000
5"	6	1,080	50	4010 125000
6"	6	1,482	50	4010 150000
8"	4	2,020	50	4010 200000

Cuttet length possible

## Pyroflat®



### Fire-fightinghose (red)

Flatcollapsable waterhose

Norm : prEN 1924  
Tube : synthetic rubber, black  
Cover : 100 % polyester, circular woven  
Red execution : Polyurethane coating for good resistance against abrasion and ageing.

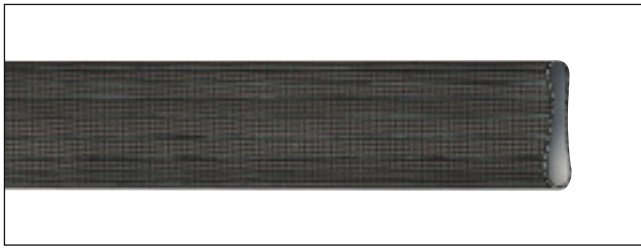
**Fire-fightinghose (white uncoated)** on request

Marking: PYROFLAT® ACC. prEN 1924

ø Inner mm	PB/bar	kg/mtr	Length mtr	Art.-No.
38	50	0,220	20 / 30 / 50 / 100	4022 038000
52	50	0,290	20 / 30 / 50 / 100	4022 050000
63	50	0,390	20 / 30 / 50 / 100	4022 063000
75	50	0,470	20 / 30 / 50 / 100	4022 075000
102	35	0,570	20 / 30 / 50 / 100	4022 100000

Cuttet length possible

## Agriflat



## Layflat multi-function hose

Fire-fighting, water and air handling. Oil-fuel and acid resistant. Also for dung, irrigation and draining applications. High tensile strength, heavy duty polyester/polyamide yarns. Fully embedded in the rubber compound. Ozone- and weather resistant, space saving and easy handling.

Temperature range : -20°C / +100°C (water)

Construction : NBR/PVC compound, pressed through the textile in an extrusion process. Cover black ribbed for good abrasion resistance and protection against contact with heat

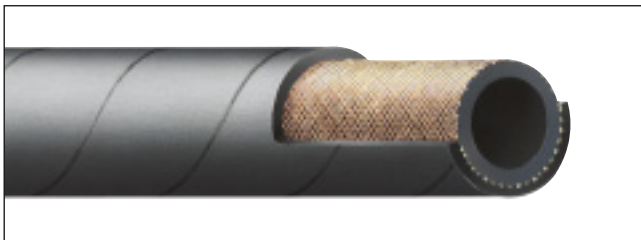
Coil Length : possible till 200 meter upon request

ø Inner mm	Wall mm	PN/bar at 20°C	PB/bar	kg/mtr	Length mtr	Art.-No.
19,5	2	25	75	0,160	20 / 100	3070 019000
25,5	2	25	75	0,180	20 / 100	3070 025000
32	2	20	60	0,230	20 / 100	3070 032000
38	2	16	50	0,280	20 / 100	3070 038000
52	2,2	16	50	0,370	20 / 100	3070 050000
65	2,2	16	50	0,510	--- / 100	3070 063000
76	2,5	16	50	0,680	20 / 100	3070 075000
90	2,8	16	50	0,900	20 / 100	3070 090000
102	2,8	16	50	1,000	20 / 100	3070 100000
127	3	15	45	1,400	20 / 100	3070 125000
152	3	14	42	1,700	20 / 50	3070 150000
203	3,3	10	30	2,400	50	3070 200000

Cuttet length possible

## Inducord®

## Waterpressurehose for industrial applications



Waterpressurehose for industrial water, dung, mud, waste water. Strong and robust.

Working pressure : 10 bar (I.D. 254 mm 6 bar)

Burst pressure : 30 bar (I.D. 254 mm 18 bar)

Temperature range : -30°C / +80°C

Tube : SBR, black, smooth

Cover : SBR, black smooth fabric finish

Marking:  INDUCORD® WATER / WASSER PN 10 BAR

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
22	4	30	40	3040 022000
25	5	35	40	3040 025000
28	5	38	40	3040 028000
32	5,5	43	40	3040 032000
35	5,5	46	40	3040 035000
38	6	50	40	3040 038000
40	6,5	53	40	3040 040000
42	6,5	55	40	3040 042000
45	7	59	40	3040 045000
48	6,5	61	40	3040 048000
50	7	64	40	3040 050000
60	7	74	40	3040 060000
63	8	79	40	3040 063000
70	7	84	40	3040 070000
76	7	90	40	3040 075000
80	8	96	40	3040 080000
90	8	106	40	3040 090000
102	8	118	40	3040 100000
110	9	128	20	3040 110000
127	9	145	20	3040 125000
152	11	174	20	3040 150000
203	11	225	20	3040 200000
254	10,5	275	10	3040 250000

Cuttet length possible

## Dehatherm®



Marking: **DEHATHERM® PN 10 BAR R < 1 M Ω**

### Multipurpose high-grade pressurehose

for water, air, mineral oils and fats  
(aromatic content not exceeding 40%)

Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -20°C / +80°C
	for water intermittant +120°C
Innertube	: NBR, black, smooth
Electrical resistance	: < 10 <sup>6</sup> Ω
Cover	: CR, brown, smooth fabric finish, abrasion-, ozone- and weatherresistant

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	5	23	40	3041 013000
19	5	29	40	3041 019000
22	5	32	40	3041 022000
25	5	35	40	3041 025000
30	5,5	41	40	3041 030000
40	7	54	40	3041 040000
42	8	58	40	3041 042000
45	8	61	40	3041 045000
60	10	80	40	3041 060000
80	11	102	40	3041 080000

Cuttet length possible / other sizes on request

## Inducord® / Lancia



### Industrial waterhose with conical end

For cleaning floors and shipdecks. The conical hose-end can easily be closed by hand and allows a regular pressure.

Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -20°C/ +80°C
Tube	: Synthetic rubber, black, smooth
Cover	: Synthetic rubber, black, smooth fabric finish

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
25	5	35	15	3043 025***
32	6	44	15	3043 032***
38	6	50	15/20/25	3043 038***

\*\*\* incomplete article number

## Inducord® / TC



### Tankcleaning hose

Tank cleaning hose designed for the cleaning of tanks by using a rotating head. Due to its peculiar structure the hose in working condition is not subject to elongation. Hose is provided with yellow rings at 5 meter intervals.

Working pressure	: 20 bar
Burst pressure	: 62 bar
Temperature range	: -30°C/+95°C
Tube	: EPDM, black, smooth
Cover	: EPDM, black with fabric finish
Insertions	: High strength textile plies and two stainless steel wires.

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
38	8	54	1,55	60	3045 038000
51	8	67	1,90	60	3045 050000

## Inducord® / Glasfiber



**Water-coolant hose, with glassfiber cover, heatresistant**  
Waterhose with heat-insulating properties, for melting furnaces, steel works, glassworks, foundries and sites dealing with high temperatures.

Working pressure : 20 bar  
Burst pressure : 60 bar  
Temperature range : +100°C Watertemperature  
till +450°C heatradiation  
Tube : EPDM, white, electrically isolating  
Cover : Glassfiber plies, white smooth  
Reinforcements : textile plies

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	6	25	40	3042 013025
19	6	31	40	3042 019031
25	7	39	40	3042 025039
32	8	48	40	3042 032048
38	10	58	40	3042 038058
40	8,5	57	40	3042 040057
42	9	60	40	3042 042000
45	8,5	62	40	3042 045062
50	10	70	40	3042 050000
76	10	96	40	3042 076096

Cutted length possible

## Cosmo®



**Thermoplastic suction/discharge hose**  
for industrial, agricultural watersuction under light duty conditions.  
Kinkproof and flexible multi-purpose hose.

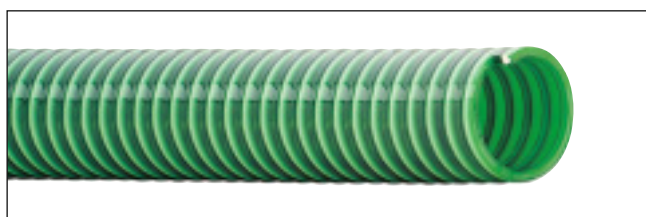
Vacuum : 0,6 bar  
Temperature range : -10°C / +60°C  
Construction : Thermoplastic, green transparent  
smooth inside, corrugated outside,  
white rigid PVC spiral reinforced

Marking:  COSMO® - DIAMETER

ø Inner mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
20	8	0,230	50	4400 020000
25	7	0,280	50	4400 025000
32	6	0,380	50	4400 032000
38	6	0,470	50	4400 038000
50	5	0,770	50	4400 050000
60	4,5	0,920	50	4400 060000
63	4	1,020	50	4400 063000
76	3,5	1,350	50	4400 075000
90	3	1,870	50	4400 090000
102	3	2,200	50	4400 100000

Cutted length possible

## Cosmo® Elastico



**Thermoplastic suction / discharge hose**  
for industrial, agricultural watersuction under light duty conditions.  
Superflexible multi-purpose hose.

Vacuum : 0,6 bar  
Temperature range : -15°C / +60°C  
Construction : Thermoplastic, darkgreen transparent  
smooth inside, corrugated outside,  
white rigid p.v.c. spiral reinforced  
Standard coils : 50 meter

Marking:  COSMO® ELASTICO - DIAMETER

ø Inner mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
40	6	0,600	50	4405 040000
51	5	0,850	50	4405 050000

Cutted length possible

## Deltaflex®



**Rubber suctionhose for industry, agriculture, construction**  
 Straight lengths with both sides spiralfree cuffs for easy adaption of couplings. Flexible and kink-proof hose for high vacuum and modest pressure (3 bar).

Working pressure : max. 3 bar  
 Vacuum : 0,9 bar  
 Temperature range : -30°C / +80°C  
 Tube : SBR, black, smooth  
 Cover : SBR, black corrugated, fabric finish  
           smooth cuffs, without spiral  
 Reinforcements : steel wire helix, textile plies

**Can also be supplied with incorporated „static-wires“.**  
**Other lengths upon request.**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
50	5	60	2/3/5/6	3600 050***
76	6	88	2/3/4/5/6	3600 075***
102	7	116	2/3/4/5/6	3600 100***
110	7	124	3/4/4.90	3600 110***
127	8	143	3/5/6	3600 125***
133	8	149	2	3600 133***
152	9	170	3/4/5/6	3600 150***
203	11	225	2/3/4/5/6	3600 200***

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## Heduflex®



**Rubber suction/dischargehose, multi-purpose application**

for industrial water, dung, drainage, vacuum pumps, where a kinkproof and heavy-duty application is required.  
 The quality permits a rough-handling application.

Working pressure : 10 bar (ø 203 / 254 mm - 6 bar)  
 Burst pressure : 30 bar (ø 203 / 254 mm - 18 bar)  
 Vacuum : 0,8 bar  
 Temperature range : -30°C / +80°C  
 Tube : SBR, black, smooth  
 Cover : SBR, black, smooth, fabric finish,  
 Reinforcements : textile plies, steel wire helix

Marking:  HEDUFLEX® S/D PN 10 BAR (Ø 203/254 MM PN 6 BAR)

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
19	5,5	30	40	3640 019000
25	5	35	40	3640 025000
32	5	42	40	3640 032000
38	6	50	40	3640 038000
40	6	52	40	3640 040000
51	6	63	40	3640 050000
60	6,5	73	40	3640 060000
63	6,5	76	40	3640 063000
70	7	84	40	3640 070000
76	7	90	20/40	3640 075000
80	7,5	95	40	3640 080000
90	7,5	105	40	3640 090000
102	8	118	10/20/40	3640 100000
110	8	126	20	3640 110000
127	9,5	146	20	3640 125000
152	10	172	20	3640 150000
203	12	227	5/6	3640 200000
254	12	278	5/6	3640 250000

Cutted length possible



# **HADICE NA PARU A HORÚCU VODU**

**HOT WATER ANDSTEAM HOSE**

## Tubimar® / Lloyds Marine exhaust hose



Marking: ITALY SCAMO/SP MARINE WET  
EXHAUST APPROVED LLOYD'S  
REGISTER 0474 R.I.NA.  
SAE J 2006:03 R2-ISO 13363:04  
Type 2 CLASS B-(Ø quarter/year)

Also suitable for cooling the heat exchangers on pleasure boats.  
According SAE J 2006:03 R2 – ISO  
13363:04 TYPE 2 CLASS B.

Norm : Lloyd's register – 0474 R.I.NA.  
Temperature range : -30°C / +85°C  
Burstpressure : > 2,5 bar  
Tube : Black, smooth, exhaust and sea water resistant rubber  
Cover : Black, resistant to abrasion, heat and marine environment.  
Corrugated cover with fabric impression  
Insertions : Textile plies and helix wire

ø Inner mm	Length mtr	Bending radius mm	Art.-No.
40	20	80	3737 040000
45	20	90	3737 045000
51	20	100	3737 050000
60	20	120	3737 060000
76	20	150	3737 075000
90	20	180	3737 090000
102	20	200	3737 100000
127	20	250	3737 125000

Cutted length possible

## Radiacord®



Marking:  RADIACORD® PN 4 BAR MAX. 110° C

### Radiator- and hotwaterhose

for pumps in engines and machines. Also for low-pressure hotwater purposes. Resistant against cooling liquids.

Working pressure : 4 bar  
Temperature range : -30°C / +110°C  
Tube : EPDM, black, smooth  
Cover : EPDM, black, smooth, fabric finish

\* Extruded version -  
tube and cover smooth

Cutted length possible

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
10*	3	16	40	3100 010000
13*	3,5	20	40	3100 013000
15*	3,5	22	40	3100 015000
18*	3,5	25	40	3100 018000
20*	3,5	27	40	3100 020000
22	3,5	29	40	3100 022000
25	3,5	32	40	3100 025000
28	3,5	35	40	3100 028000
30	4	38	40	3100 030000
32	3,5	39	40	3100 032000
35	3,5	42	40	3100 035000
38	3,5	45	40	3100 038000
40	3,5	47	40	3100 040000
42	3,5	49	40	3100 042000
45	4	53	40	3100 045000
48	4	56	40	3100 048000
50	4,5	59	40	3100 050000
60	5	70	40	3100 060000
63	5	73	40	3100 063000
76	4	84	40	3100 075000
90	4	98	20	3100 090000
102	4	110	40	3100 100000
110	6	122	20	3100 110000


## Radiacord® / DIN



### Radiator and hotwaterhose

For pumps in engines and machines. Also for low-pressure hotwater purposes. Resistant against cooling liquids.

Norm	: DIN 73411 from Juli 1979
Working pressure	: 4 bar
Burst pressure	: 12 bar
Temperature range	: -30°C / +130°C
Tube	: EPDM, black, smooth
Cover	: CR, black, smooth fabric finish

Marking:  RADIACORD® DIN 73411: 1979 DN x DIAMETER P YEAR/QUARTER

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
10	3	16	40	3116 * / 3117 010000
13	3,5	20	40	3116 * / 3117 013000
15	3,5	22	40	3116 * / 3117 015000
18	3,5	25	40	3116 * / 3117 018000
20	3,5	27	40	3116 * / 3117 020000
22	3,5	29	40	3116 * / 3117 022000
25	3,5	32	40	3116 * / 3117 025000
28	4	36	40	3116 * / 3117 028000
30	4	38	40	3116 * / 3117 030000
32	4	40	40	3116 * / 3117 032000
35	4	43	40	3116 * / 3117 035000
38	5	48	40	3116 * / 3117 038000
40	5	50	40	3116 * / 3117 040000
42	5	52	40	3116 * / 3117 042000
45	5	55	40	3116 * / 3117 045000
48	5	58	40	3116 * / 3117 048000
50	5	60	40	3116 * / 3117 050000
55	5	65	40	3116 * / 3117 055000
60	5	70	40	3116 * / 3117 060000
65	5	75	40	3116 * / 3117 065000
70	5	80	40	3116 * / 3117 070000
75	5	85	40	3116 * / 3117 075000
80	5	90	40	3116 * / 3117 080000
90	6	102	40	3116 * / 3117 090000
100	6	112	20	3116 * / 3117 100000
110	6	122	20	3116 * / 3117 110000
120	7	134	20	3116 * / 3117 120000

3116: straight 1 meter pieces

3117: long lengths

Cuttet length possible

## Vaporcord®



### Lowpressure steamhose

For hot water and saturated steam, reinforced with textile plies. Rubberquality ensures good resistance against acids and chemicals. After use please drain the hoses, for long-life-service.

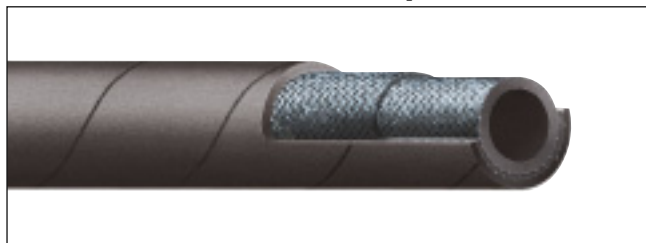
Working pressure	: maximum 7 bar
Burst pressure	: 70 bar at 20°C
Temperature range	: -40°C / maximum +164°C
Tube	: EPDM, black, smooth
Cover	: EPDM, black, smooth fabric finish, "pin-pricked"

Marking:  **VAPORCORD® STEAMHOSE/DAMPFSCHLAUCH  
PN 7 BAR – MAX. 164°C**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
10	5,5	21	40	3400 010000
13	5,5	24	40	3400 013000
19	7	33	40	3400 019000
25	7	39	40	3400 025000
32	7,5	47	40	3400 032000
38	9	56	40	3400 038000
50	9	68	40	3400 050000
63	10	83	40	3400 063000
76	11	98	40	3400 075000

Cuttet length possible


## Metalvapor® EN / ISO



### Highpressure Steamhose

Steel braided reinforced heavy duty steamhose for hot water and saturated steam-appliance up to 18 bar. Please drain after use!

Norm	: EN/ISO 6134 Type 2/A
Working pressure	: 18 bar
Burst pressure	: 180 bar at 20°C
Electrical resistance	: innertube/innertube < 10 <sup>6</sup> Ω innertube/outertube < 10 <sup>9</sup> Ω
Temperature range	: -40°C / max. +210°C
Tube	: IIR, black, smooth
Cover	: IIR/EPDM, black, smooth fabric finish
Reinforcements	: 2 steel braids

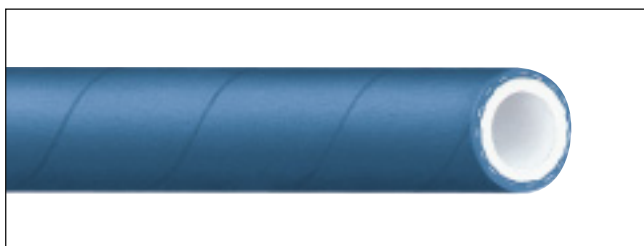
Marking:  **METALVAPOR® - ITR - EN/ISO 6134:2005 -  
STEAM – 18 BAR – 210C - DIAMETER - Ω  
QUARTER / YEAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	6	25	15*/20*/40	3411 013000
19	6,75	32,5	10*/15/20/40	3411 019000
25	7,25	39,5	20/40	3411 025000
32	8	48	20*/40	3411 032000
38	8	54	20*/40	3411 038000
51	9	69	40	3411 050000

Cuttet length possible

\* So far as available

## Vaporcord® / Alim



### Lowpressure steamhose

for hotwater and steam appliances in food-processing industry, butcheries, dairies a.o. Hosecover is resistant against lactic acid, animal - and vegetable fats, and is in non-staining quality. Please drain after use.

Working pressure	: 7 bar
Burst pressure	: 70 bar
Temperature range	: maximum +164°C
Tube	: EPDM, white, smooth, seamless
Cover	: EPDM, blue, smooth fabric finish

Marking:  VAPORCORD® ALIM STEAMHOSE / DAMPFSCHLAUCH PN 7 BAR MAX. 164°C

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	5	23	40	3405 013000
19	6	31	40	3405 019000
25	6	37	40	3405 025000
32	7	46	40	3405 032000
38	8	54	40	3405 038000
50	8	66	40	3405 050000

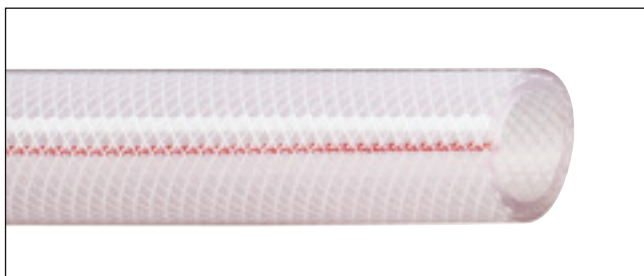
Cuttet length possible



**HADICE NA VZDUCH**

**AIR HOSE**

## Polyflex PVC Airpressurehose



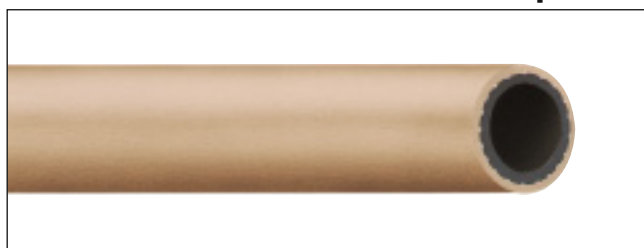
for air and water, restricted chemicalresistant.  
Non-toxic PVC quality. Longitudinal red and blue marking yarns.  
Extremely good quality

Norm : according to relevant CE regulations  
Temperature range : -20°C / +60°C  
Tube : PVC, transparent, smooth  
Cover : PVC, transparent, smooth

Marking:  POLYFLEX NON -TOXIC PB XX BAR

ø Inner mm	Wall mm	ø Outer mm	PB/bar at 20°C	kg/mtr	Length mtr	Art.-No.
5	3	11	60	0,100	50	4200 005011
6	3	12	60	0,105	50	4200 006012
8	3	14	60	0,135	50	4200 008014
9	3	15	60	0,145	50	4200 009015
10	3	16	60	0,155	50	4200 010016
12	4,5	21	45	0,280	50	4200 012021
13	3	19	45	0,190	50	4200 013019
13	3,5	20	45	0,230	50	4200 013020
15	3	21	45	0,220	50	4200 015021
16	4	24	30	0,275	50	4200 016024
19	4	27	30	0,340	50	4200 019027
25	4,5	34	30	0,480	50	4200 025034
30	4	38	30	0,580	50	4200 030038
32	5	42	30	0,740	50	4200 032042
38	5	48	30	0,870	50	4200 038048
50	6	62	21	1,300	25	4200 050060

## Super Air Thermoplastic airpressurehose



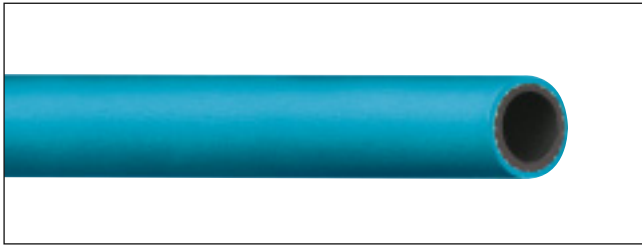
Easy-handling airhose for garages, domestic compressors.

Working pressure : 20 bar (at 20°C)  
Burst pressure : 60 bar (at 20°C)  
Temperature range : -20°C / +60°C  
Tube : PVC, black, smooth  
Cover : PVC, beige, smooth

Marking:  SUPER AIR PN 20 BAR

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
6	2,5	11	0,095	50	4210 006000
8	2,5	13	0,110	50	4210 008000
10	2,75	15,5	0,145	50	4210 010000
13	3	19	0,195	50	4210 013000
16	3,5	23	0,290	50	4210 016000
19	3,75	26,5	0,400	50	4210 019000
25	4,25	33,5	0,540	50	4210 025000

## Ariaform® / TPU



### Polyurethane airpressure hose

For pneumatic tools. Excellent resistant against oil, fuel, fat acids and lye's. Polyester reinforced for handling pressure, lightweight and very abrasive resistant.

Working pressure : 20 bar (at 20°C)  
 Burst pressure : 60 bar (at 20°C)  
 Temperature range : -20°C / +60°C  
 Tube : Polyurethane, black smooth  
 Cover : Polyurethane, blue smooth

Marking:  ARIAFORM / TPU - DIAMETER - PN 20 BAR

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
6	2	10	0,070	50	4220 006000
8	2	12	0,085	50	4220 008000
9	2	13	0,100	50	4220 009000
10	2,25	14,5	0,115	50	4220 010000
13	2,5	18	0,165	50	4220 013000

## Niplaflex®



### Multi-purposehose

for use with: Water, air, oil, petrol, grease, chemicals, pesticides a.o. Ageing- and ozoneresistant, non staining.

Working pressure : 25 bar  
 Burst pressure : 75 bar  
 Temperature range : -20°C / +70°C  
 Tube : NBR/PVC, black, smooth seamless  
 Cover : NBR/PVC, black, smooth seamless

Marking:  NIPLAFLEX® PN 25 BAR

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
6	3	12	0,110	100	3240 006000
8	3,5	15	0,170	100	3240 008000
9	3,5	16	0,185	100	3240 009000
10	3,5	17	0,200	100	3240 010000
13	4	21	0,280	100	3240 013000
19	4,5	28	0,440	50	3240 019000

Cutted length possible


## Solvoform



### Compressor-airhose

Grease- and oil mist resistant, for use in garages, workshops.

Burst pressure : 60 bar  
 Temperature range : -30°C / +80°C  
 Tube : NBR, black, smooth  
 electrical resistance < 10<sup>9</sup> Ω  
 Cover : NBR/PVC, grey, smooth

Marking:  SOLVOFORM

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	Length mtr	Art.-No.
6	4	14	20	50	3210 006000
8	3,5	15	20	50	3210 008000
10	3,5	17	20	50	3210 010000
13	4,5	22	20	50	3210 013000
19	4,5	28	20	50	3210 019000

## Ariaform® / DIN



### Airpressure hose

Oilmist resistant airhose, also for industrial water.  
For medium duty circumstances.

Norm : DIN 20018  
Working pressure : 10 bar Air / 16 bar Water  
Burst pressure : 54 bar  
Temperature range : -30°C / +50°C  
Tube : black, smooth  
Cover : black, smooth  
ozone- and ageingresistant

Marking:  **ARIAFORM® PN 10/16 BAR DIN 20018**  
**YEAR – PB 54 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
6	3,5	13	0,140	40/100	3201 006000
8	3,5	15	0,175	40/100	3201 008000
9	3,5	16	0,205	40	3201 009000
10	4,5	19	0,290	40/100	3201 010000
13	5	23	0,400	40/50	3201 013000
15	6	27	0,480	40	3201 015000
19	6	31	0,590	20/40/50	3201 019031
25	7	39	0,900	40	3201 025000

## Ariaform®



### Airpressure hose

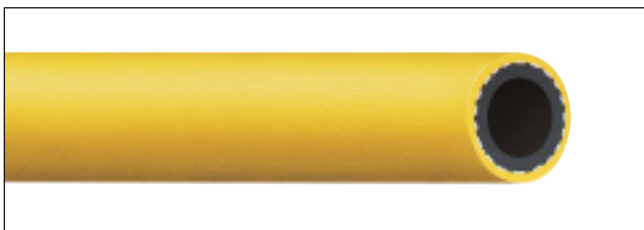
Oilmist resistant airhose. Also for industrial water.  
For medium duty applications.

Working pressure : 15 bar  
Burst pressure : 45 bar  
Temperature range : -30°C / +50°C  
Tube : black, smooth  
Cover : black, smooth  
ozone- and ageingresistant

Marking:  **ARIAFORM® PN 15 BAR PB 45 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
16	5	26	0,410	50	3200 016026
19	4,5	28	0,475	25/50	3200 019027
25	5,5	36	0,775	40	3200 025036

## Ariaform® / yellow



### Airpressure hose

Oilmist resistant airhose. Also for industrial water.  
For heavy duty applications.

Working pressure : 20 bar Air / 24 bar Water  
Burst pressure : 60 bar  
Temperature range : -20°C / +50°C  
Tube : black, smooth  
Cover : yellow, smooth  
ozone- and ageingresistant

Marking:  **ARIAFORM® PN 20 – YEAR – PB 60 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
13	5	23	0,400	40	3202 013023
19	6	31	0,590	20/40	3202 019031
25	7	39	0,900	40	3202 025039


## Ariacord® / DIN



### Airpressurehose

oilmist resistant airhose, also for industrial water.


Norm	: DIN 20018
Working pressure	: 10 bar Air / 16 bar Water
Burst pressure	: 40 bar
Temperature range	: -30°C / +50°C
Tube	: SBR, black smooth
Cover	: SBR, black fabric finish, ozone- and ageingresistant

Marking:  ARIACORD® PN 10/16 DIN 20018 - YEAR - PB 40 BAR

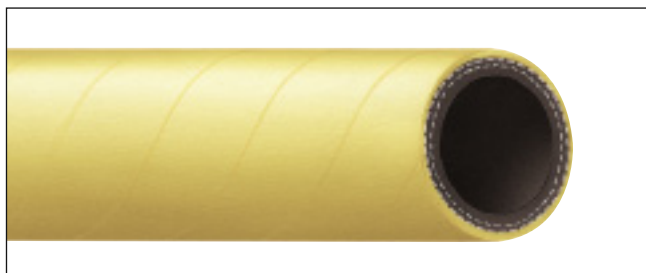
ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
32	8	48	40	3220 032000
35	8	51	40	3220 035000
38*	6	50	40	3220 038000
42	9	60	40	3220 042000
51*	7	65	40	3220 050000
53	10	73	40	3220 053000
76	10	96	40	3220 075000

Cutted length possible

\*Dimensions not according DIN

Marking:  ARIACORD® PN 10/16 BAR - PB 40 BAR


## Ariacord® / yellow



### Airpressure hose

Oilmist resistant airhose, also for industrial water.  
For heavy duty airhandling in construction, mines a.o.

Working pressure	: 20 bar
Burst pressure	: 60 bar
Temperature range	: -20°C / +70°C
Tube	: SBR, black smooth
Cover	: SBR/EPDM, yellow, fabric finish ozone- and ageingresistant

Marking:  ARIACORD® AIR/WATER LUFT/WASSER  
PN 20 PB 60 BAR

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
32	7	46	40	3225 032000
38	7	52	40	3225 038000
51	7,5	66	20/40	3225 050000
63	9,5	82	40	3225 063000
76	9,5	95	40	3225 075000

Cutted length possible

## Airbrake



### Rubber airbrakehose according DIN 74310

For use in trucks, lorries a.o.  
Wear, weather, ageing resistant.

Norm	: DIN 74310
Working pressure	: 10 bar
Burst pressure	: 25 bar
Temperature range	: -40°C / +70°C
Tube	: EPDM, black smooth
Cover	: EPDM, black smooth

Marking: PRODUCERSMARK NW DIN 74310 YEAR/QUARTER

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
11	3,5	18	0,220	40	3215 011018
13	6	25	0,490	40	3215 013025



# **HADICE NA OLEJ A ROPNÉ PRODUKTY**

## **OIL AND PETROL HOSE**

## Naftrex / B



Marking:  DIN 73379 SIZE GERMANY

### Fuelhose acc. German norm DIN 73379

#### Type „NAFTREX/B“

#### Application and temperature range specifications

Fuel with max. aromatic content 50%	: +40°C
High grade fuels	: +40°C
Diesel fuels	: +80°C
Kerosenes	: +40°C
Cooling liquids (glycols, glysantine a.o.)	: +90°C
Water	: +90°C
Air	: +80°C
Liquid detergents, non-oxydating	: +80°C
Coldresistant till	: -40°C
Maximum peak-temperature	: +120°C
Norm	: DIN 73379 march 1982 type B
Working pressure	: 15 bar
Burst pressure	: 60 bar
Tube	: NBR, black, smooth
Cover	: with black textile braids for heat-protection

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
3,2	1,9	7,0	10*/20	3370 032070
3,5	2,0	7,5	10*/20	3370 035075
4,0	2,5	9,0	10*/20	3370 040090
4,5	2,5	9,5	10*/20	3370 045095
5,0	2,5	10,0	10*/20	3370 050100
5,5	2,5	10,5	10*/20	3370 055105
6,0	2,5	11,0	10*/20	3370 060110
7,0	2,5	12,0	10*/20	3370 070120
7,5	2,5	12,5	10*/20	3370 075125
8,0	2,5	13,0	10*/20	3370 080130
9,0	2,5	14,0	10*/20	3370 090140
11,5	2,75	17,0	10*/20	3370 115170

\*10 meter length if in stock

## Carboform® / EN / ISO



Marking: **LOGO PRODUCER ITALY CARBOPOMP®**  
**MARINE FUEL SAE J1527:2004**  
**USCG A1 – ISO 7840:2004 A1 CE-0474**  
**RINA - LLOYD'S REGISTER (Ø/ YEAR)**

### Fuelhose according norm EN/ISO 7840

Fire resistant fuel hose for small craft of upto 24 meter length of hull.  
 For fuels with an aromatic content not exceeding 50%, also suitable  
 for unleaded petrol and biodiesel.

Norm	: SAE J 1527 : 2004-A1 R1 and ISO 7840:2004-A1 CE DIP 128405/MI/1 0474 R.I.NA
Tube	: Black, smooth synthetic rubber
Cover	: Black, smooth, selfextinguishing
Temperature range	: -20°C / +80°C

ø diameter	Workingpressure/ Burstpressure	kg/mtr	Length mtr	Art.-No.
6 x 15	8 bar / 14 bar	0,215	40	3305 006000
8 x 16	8 bar / 14 bar	0,220	40	3305 008000
10 x 18	8 bar / 14 bar	0,255	40	3305 010000
12 x 21	3,5 bar / 10 bar	0,340	40	3305 012000
16 x 26	3,5 bar / 10 bar	0,420	40	3305 016000
19 x 29	3,5 bar / 10 bar	0,550	40	3305 019000
25 x 35	3,5 bar / 10 bar	0,660	40	3305 025000

Cuttet length possible

## Carboform®



Aufdruck:  CARBOFORM® PN 10 BAR Ω

### Oil- and petrolhose

for delivery of domestic oils and fuels, with an aromatic content not exceeding 50%.

Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -25°C/+80°C
Electrical resistance	: <math>10^6 \Omega</math>
Tube	: NBR, black, smooth
Cover	: NBR/PVC, black, smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
19	4	27	50	3300 019000
25	5	35	50	3300 025000

Cutted length possible

## Carboform® / PD



Marking:  CARBOPRESS D EN 1360 TYPE 1  
DIAM-16 BAR-M-MADE IN ITALY-PARKER ITR Q/Y

### Kerbsidepumphase

For fuel and petrol-delivery, for leaded and unleaded petrol, in commercial kerbsidepumps. For fuels with an aromatic content not exceeding 60%. Also suitable for biodiesel.

Norm	: EN 1360
Working pressure	: 16 bar
Burst pressure	: 48 bar
Temperature range	: -20°C / +55 °C
Electrical resistance	: <math>10^6 \Omega</math>
Tube	: NBR, black, smooth, antistatic
Cover	: NBR, black, smooth, non-staining, antistatic

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
15	5	25	50	3330 015000
19	6	31	50	3330 019000
25	6	37	50	3330 025000

Cutted length possible

## Petrol - Oil



Marking:  PETROL- OIL HOSE PN 25 BAR Ω

### Oil- and petrolhose

for fuelsupply to engines and motors. Excellent garagehose. For fuels with a maximum aromatic content of 40%. Suitable for Europetrol (unleaded) and kerosenes.


Working pressure	: 25 bar
Burst pressure	: 75 bar
Temperature range	: -20°C / +80°C
Electrical resistance	: <math>10^6 \Omega</math>
Tube	: NBR, black smooth,
Cover	: NBR/PVC, black smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
6	3,5	13	50	3320 006000
8	3,75	15,5	50	3320 008000
10	4	18	50	3320 010000
13	4,5	22	50	3320 013000
15	5	25	50	3320 015000
19	5	29	50	3320 019000
25	5,5	36	50	3320 025000

Cutted length possible

### Carbocord® / 10



Marking:  **CARBOCORD® NBR DRUCK/DISCHARGE PN 10 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
32	6	44	40	3310 032000
38	7,5	53	40	3310 038000
50	7	64	40	3310 050000
63	8	79	40	3310 063000
75	9	93	40	3310 075000

Cuttet length possible

### Oil- and petrolhose

for delivery of domestic oils and fuels, with an aromatic content not exceeding 40%. Hose can be reeled for easy-handling supply.

Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -25°C / +80°C
Tube	: NBR, black, smooth
Cover	: CR/NBR, black, smooth, fabric finish
Reinforcements	: textile plies, „static-wire“

### Carbocord® / EN



Marking: **EN 12115:1995 NBR-1 ø Inner - Working pressure - Burst pressure - Ω TRbF 131/T2 - Quartal / Year MADE IN ITALY-ITR-TREG**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
32	6	44	40	3380 032000
38	6,5	51	40	3380 038000
45*	7	59	40	3380 045000
50	8	66	40	3380 050000
75	8	91	40	3380 075000
100	8	116	40	3380 100000

Cuttet length possible

\* according TÜV

### Oil-fuel dischargehose

for mineral oils, fuels with a maximum aromatic content not exceeding 50%. Also suitable for biodiesel.

Norm	: EN 12115 and TRbF 131, Part 2 section 5.5
Working pressure	: 16 bar
Burst pressure	: 64 bar
Temperature range	: -20°C / +65°C
Electrical resistance	: <10 <sup>6</sup> Ω
Wall through passing resistance	: <10 <sup>9</sup> Ω
Tube	: NBR, black, smooth
Cover	: NBR/SBR, black, smooth, fabric finish
Reinforcements	: textile plies and „static wires“

### Carboflat / 16



Marking:  **CARBOFLAT OIL-PETROL BUNKER-HOSE PN.. BP.. BAR Ω M**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
75	7,5	90	40	3360 075000
100	7,5	115	20/40	3360 100000
150	9,5	169	20/40	3360 150000
203	10,5	224	20	3360 200000

Cuttet length possible

### Flatcollapsible dischargehose

For mineral oils, fuels with a maximum aromatic content not exceeding 50%. Small coils for easy handling.

Working pressure	: 16 bar
Burst pressure	: 48 bar
Temperature range	: -20°C / +80°C
Electrical resistance	: <10 <sup>6</sup> Ω
Tube	: NBR, black, smooth
Cover	: NBR/Neoprene, black, fabric finish
Reinforcements	: textile plies, 2 static wires

## Armoflex® / OIL



### Oil- and petrol resistant PVC suction/discharge hose

Resistant against oil, petrol, fuel, soft acids and lye's. Good resistance against outdoor exposure, weather- and ageing proof.

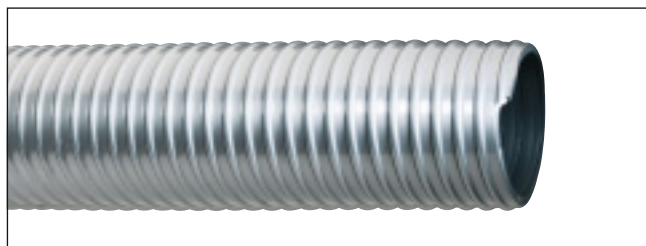
Vacuum	: 0,8 bar
Temperature range	: -15°C / +65°C
Construction	: flexible, black PVC with embedded steel spiral

Marking:  ARMOFLEX® / OIL

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
25	4	33	8	0,520	30	4481 025000
32	4	40	7	0,660	30	4481 032000
38	4,5	47	7	0,800	30	4481 038000
51	5,5	62	5	1,350	30	4481 050000

Cuttet length possible

## Naftoil / Buna



### PVC/NBR suction/discharge hose

for industrial water, waste-water, dung, mineral oils a.o. under medium duty conditions.

**An extremely flexibel hose, also under cold conditions.**

Vacuum	: 0,9 bar
Temperate range	: -30°C / +65°C
Construction	: PVC/NBR, grey, with grey PVC spiral

Marking:  NAFTOIL / BUNA - ø INNER - YEAR / WEEK

ø Inner mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
51	6	1,070	50	4465 050000
76	4,5	1,750	50	4465 075000
102	4	2,700	50	4465 100000
127	3,6	3,600	20	4465 125000
152	2,5	5,000	4/20	4465 150000

Cuttet length possible


## Carboflex® / Grecato



### Oil- and petrol resistant suction / discharge hose

Extremely flexible hose for fuels, petrols and biodiesel with an aromatic content not exceeding 50%. Hose provided with special „GRECATO“ profile. Also suitable as hydraulic oil inversion hose.

Vacuum	: 0,8 bar
Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -20°C up to +85°C, intermittent up to +110°C
Electrical resistance	: <10 <sup>6</sup> Ω
Tube	: NBR, black, smooth
Cover	: CR, black with „grecato“ profile, fabric finish
Reinforcements	: Steel wire helix

Marking:  CARBOFLEX / GRECATO NBR OEL SAUG/DRUCK  
- OIL SUCTION/DISCHARGE - PN 10 BAR Ω

ø Inner mm	Wall mm	ø Outer mm	Bending radius mm	kg / mtr	Length mtr	Art.-No.
25	5	35	+/- 75 mm	0,700	40	3353 025000
32	5	42	+/- 100 mm	0,900	40	3353 032000
38	5	48	+/- 115 mm	1,050	40	3353 038000
50	6	62	+/- 135 mm	1,550	40	3353 050000

Cuttet length possible

## Carboflex® / OHM



Marking: **MANUFACTURERS NAME PATENT MI2002A1311**  
**CARBOFLEX / NBR / OEL / OIL-SD**  
**PN 10 BAR - Ω**

### Oil- and petrol resistant suction/discharge hose

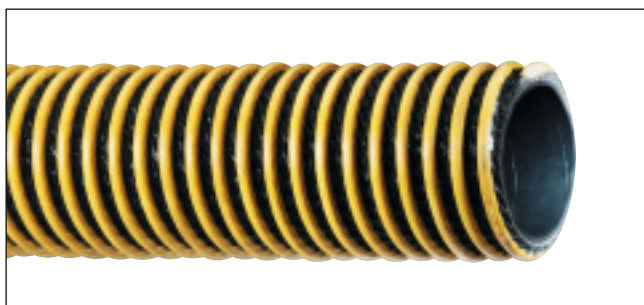
for oils, fuels and petrols with an aromatic content not exceeding 60%. Extremely flexible and in light-weight design. Perfectly suitable for vehicles in industrial cleaning and tank trucks.

Norm	: TRbF 131 Part 2, section 5.5
Working pressure	: 10 bar
Burst pressure	: 30 bar
Vacuum	: 0,9 bar
Electrical resistance	: <math><10^6 \Omega</math>
Wall through passing resistance:	<math><10^9 \Omega</math>
Temperature range	: -20°C / +80°C
Tube	: NBR, black, smooth
Cover	: CR, Neoprene, black, fabric finish
Reinforcements	: textile plies, twin spirals
Bending radius	: 4 x inner diameter

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
51	6,5	64	1,500	40	3351 050000
76	7	90	2,500	40	3351 075000
102	8	118	4,000	40	3351 100000

Cutted length possible

## Carboflex® / HP



### Oil- and petrol resistant suction/discharge hose

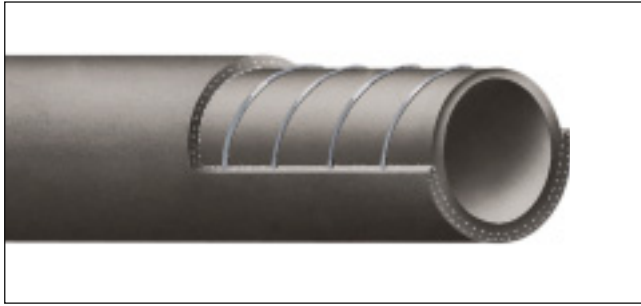
Suitable for hydrocarbons with a maximum aromatic content of 40%. Kink proof, and an ultra short bending radius. Allows easy handling and pull- end drag safety. Great advantages for fuel fluids handling.

Vacuum	: 0,9 bar
Temperature range	: from -30°C till +85°C
Electrical resistance	: Over entire innertube <math><10^6 \Omega</math> From innertube to cover <math><10^9 \Omega</math>
Innertube	: NBR, black, smooth
Cover	: NBR/PVC compound, with exterior rigid PVC spiral
Reinforcements	: Textile insertions, „static-wire“
Bending radius	: 2 x inside diameter

ø Inner mm	ø Outer mm	Working pressure at 20°C	Weight per mtr	Length mtr	Art.-No.
51	73	10 bar	1,70	20	3352 050000
76	99	7 bar	2,40	20	3352 075000
102	124	7 bar	3,20	20	3352 100000

Cutted length possible

## Carboflex® / 10



**Oil- and petrol suction/discharge hose**  
for oils and fuels, petrols with an aromatic content not exceeding 40%. Designed as tankwagon hose.

Working pressure	: 10 bar
Burst pressure	: 30 bar
Vacuum	: 0,8 bar
Temperature range	: -25°C / +80°C
Tube	: NBR, black, smooth
Cover	: NBR/CR, black, smooth, fabric finish
Reinforcements	: textile plies, steel wire helix and „static-wires“

Marking:  **CARBOFLEX® NBR ÖL SAUG/DRUCK**  
**OIL SUCTION/DISCHARGE PN 10 BAR Ω**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
25	5,5	36	40	3350 025000
32	5,5	43	40	3350 032000
38	6,5	51	40	3350 038000
42	6,5	55	40	3350 042000
45	7	59	40	3350 045000
51	6,5	64	40	3350 050000
63	7,5	78	40	3350 063000
70	7	84	40	3350 070000
75	8	91	40	3350 075000
90	8	106	40	3350 090000
100	8	116	40	3350 100000
152	11	174	20	3350 150000

Cuttet length possible


## Carboflex® / EN



### Oil and petrol suction/discharge hose

For mineral oils and fuels with an aromatic content not exceeding 50% According latest Norms. Also suitable for biodiesel.

Norm	: EN 12115 and TRbF 131, part 2, par. 5.5.
Working pressure	: 16 bar (100 mm 12 bar)
Burst pressure	: 64 bar (100 mm 48 bar)
Vacuum	: 0,9 bar (75 and 100 mm 0,8 bar)
Temperature range	: -20°C / +80°C
Electrical resistance	: <10 <sup>6</sup> Ω
Wall through passing resistance	: <10 <sup>9</sup> Ω
Tube	: NBR, black, smooth extruded quality
Cover	: NBR/SBR, black, fabric finish
Reinforcements	: textile plies, steel wire helix and static-wire
Bending radius	: 5 x inside diameter

Marking:  **CARBOFLEX® Manufacturers name**  
**EN 12115 NBR-1 Ø inner-SD-**  
**working pressure-burst pressure-Ω**  
**TRbF 131/T2 - Quarter/Year**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
25	6	37	40	3356 025000
32	6	44	40	3356 032000
38	6,5	51	40	3356 038000
50	8	66	40	3356 050000
63	7,5	78,5	40	3356 063000
75	8	91	40	3356 075000
100	8	116	20/40	3356 100000

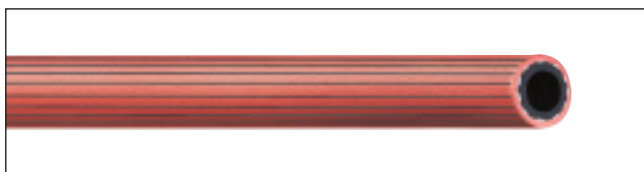
Cuttet length possible



**HADICE NA PLYNY**

**GAS HOSE**

**Saldaform® / red**



**Acetylene weldinghose according EN 559**

for gas-welding, cutting and allied processes.

Norm : EN 559  
 Working pressure : 20 bar  
 Burst pressure : 60 bar  
 Tube : Synthetic rubber, black, smooth  
 Cover : Synthetic rubber, red corrugated

Marking: EN 559 - 2MPa (20 BAR) - mm - SALDAFORM®- year

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
6	3,5	13	50	3255 006000
8	3,5	15	50	3255 008000
9	3,5	16	50	3255 009000

**Saldaform® / red**

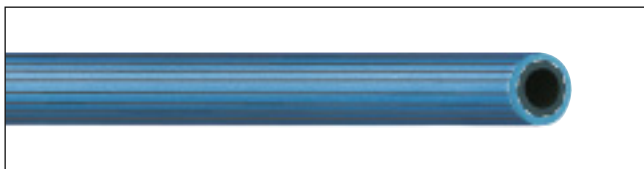


**Acetylene weldinghose**

Working pressure : 18 bar  
 Burst pressure : 54 bar  
 Tube : Synthetic rubber, black, smooth  
 Cover : Synthetic rubber, red smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	4,5	22	50	3256 013000
15	5	25	50	3256 015000

**Saldaform® / blue**



**Oxygen weldinghose according EN 559**

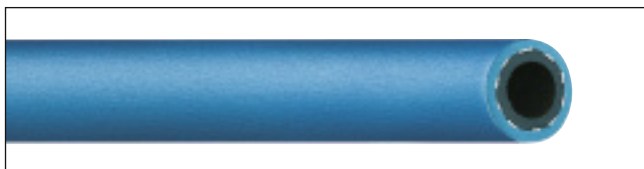
for gas-welding, cutting and allied processes.

Norm : EN 559  
 Working pressure : 20 bar  
 Burst pressure : 60 bar  
 Tube : Synthetic rubber, black, smooth,  
 Cover : Synthetic rubber, blue, corrugated

Marking: EN 559 - 2MPa ( 20 BAR) - mm - SALDAFORM® - year

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
6	3,5	13	50	3250 006000
8	3,5	15	50	3250 008000
9	3,5	16	50	3250 009000

**Saldaform® / blue**



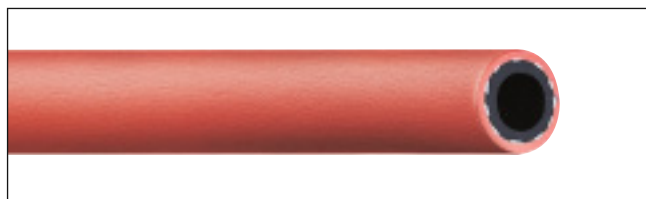
**Oxygen weldinghose**

for gas-welding, cutting and allied processes.

Working pressure : 18 bar  
 Burst pressure : 54 bar  
 Tube : Synthetic rubber, black, smooth  
 Cover : Synthetic rubber, blue , smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	4,5	22	50	3251 013000
15	5,0	25	50	3251 015000

## Saldaform<sup>®</sup> / red



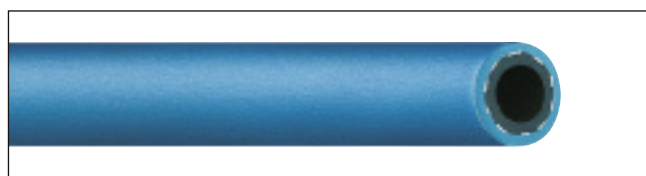
Marking: EN 559 - 2 MPa (20 BAR) - mm - SALDAFORM<sup>®</sup> - year

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
6	3,5	13	40	3256 006000
9	3,5	16	40	3256 009000

## Acetylene hose according EN 559 for gas-welding, cutting and allied processes

Norm : EN 559  
 Working pressure : 20 bar  
 Burst pressure : 60 bar  
 Tube : Synthetic rubber, black, smooth  
 Cover : Synthetic rubber, red, smooth

## Saldaform<sup>®</sup> / blue



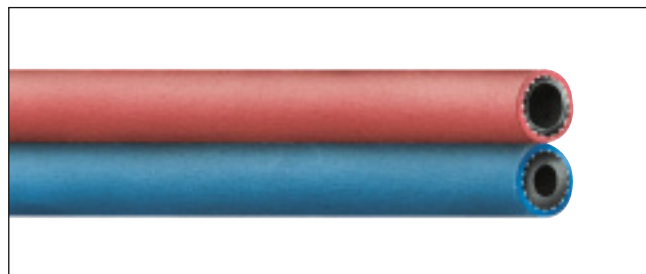
Marking: EN 559 - 2 MPa (20 BAR) -mm - SALDAFORM<sup>®</sup> - year

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
6	3,5	13	40	3251 006013
6	5,0	16	40	3251 006000

## Oxygen weldinghose according EN 559 for gas-welding, cutting and allied processes.

Norm : EN 559  
 Working pressure : 20 bar  
 Burst pressure : 60 bar  
 Tube : Synthetic rubber, black, smooth  
 Cover : Synthetic rubber, blue, smooth

## Twin Hose



Marking: EN 559 - 2 MPa (20 BAR) - mm - SALDAFORM<sup>®</sup> - year

ø Inner mm	Wall mm	Hose colour	Length mtr	Art.-No.
5	2,75	blue	50	3260 005005
5	2,75	red		
6	3,5	blue	40	3261 006006
6	3,5	red		
6	3,5	blue	50	3260 006006
6	3,5	red		
8	3,5	blue	50	3260 008008
8	3,5	red		
6	5,0	blue	40	3261 006009
9	3,5	red		
6	5,0	blue	50	3260 006009
9	3,5	red		
9	3,5	blue	50	3260 009009
9	3,5	red		

## Dual-weldinghoses according EN 559

Norm : EN 559  
 Working pressure : 20 bar  
 Burst pressure : 60 bar  
 Tube : Synthetic rubber, black, smooth  
 Cover : Synthetic rubber  
     Oxygen : blue, smooth  
     Acetylene : red, smooth

## Robaform®



Marking:  -EN 559 - 2 MPa (20 BAR)  
- 8 - ROBAFORM® - year

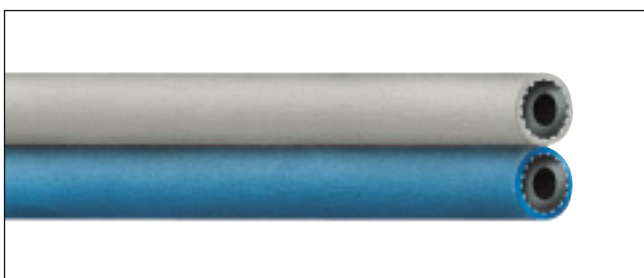
ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
8	3,5	15	50	3266 008050


## Rubber Propanegas hose according EN 559

for propane butane and domestic gases.  
Ageing-ozone- and weather resistant.

Norm : EN 559  
Working pressure : 20 bar  
Burst pressure : 60 bar  
Temperature range : -20°C / +70°C  
Tube : NBR, black, smooth  
Cover : CR/Neoprene, orange, smooth

## Twin Hose / PVC



Marking:  PN 20 BAR

ø Inner mm	Wall mm	ø Outer mm	Colour	Length mtr	Art.-No.
6	2,5	11	blue	100	8325 006006
6	2,5	11	grey		

## Remote control hose

Burst pressure : >63 bar  
Inner tube : PVC, black, smooth  
Cover : PVC, blue/grey, smooth

## Cavocord



## Cableprotectinghose

cable covering and protectinghose.  
Used to protect hoses, lines,cables,  
specially for portable welding equipment.

Temperature range : -30°C / +80°C  
Tube : SBR, textile impregnated, white  
Cover : SBR, black, smooth fabric finish

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
20	1,5	23	40	3290 020000
22	1,5	25	40	3290 022000
25	1,5	28	40	3290 025000
28	1,5	31	40	3290 028000
30	1,5	33	40	3290 030000
32	1,5	35	40	3290 032000
35	1,5	38	40	3290 035000
40	2	44	40	3290 040000
45	2	49	40	3290 045000
51	2	55	40	3290 050000




**HADICE NA POTRAVINY**

**FOOD HOSE**

## Aquafit®



Marking:  AQUAFIT®

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	3	16	0,155	40	4102 010016
13	3,5	20	0,240	40	4102 013020
19	4	27	0,380	40	4102 019027

**Alimentary hose** for potable water, cold liquids, non-fatty beverages, where flavourpreserving is requested. Not suitable for fatty products such as milk.

To be cleaned only with warm water (max. 70°C).

Norm : according to relevant CE regulations

Working pressure : 10 bar

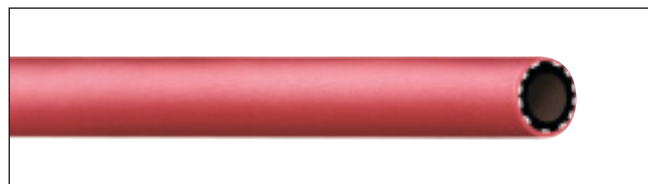
Burst pressure : 30 bar

Temperature range : -10°C / +70°C

Tube : Natural coloured plastic film, black, thermoplastic

Cover : Thermoplastic, blue, smooth non-staining quality

## Aquafit® / Extra



Marking:  AQUAFIT® / EXTRA

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	3,5	17	0,190	40	4103 010000
13	3,5	20	0,240	40	4103 013000
19	4	27	0,380	40	4103 019000

**Multi-purpose foodqualityhose, for airbreathing, hot water, carbonic acid, potable water a.o.**

For non-fatty liquids, water and air. To be cleaned by hot water only (no steam)

Norm : according to relevant CE regulations

Working pressure : 10 bar

Burst pressure : 30 bar


Temperature range : -20°C / +90°C

Tube : Natural coloured plastic film, black, thermoplastic

Cover : Thermoplastic, red, smooth non-staining quality

## Alimentari



Marking: RUBBER HOSE DRINKPRESS  D.M. 21.03.73  
MADE IN ITALY BY ITR-TREG

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	4,5	19	0,310	40	3470 010000
13	5	23	0,420	40	3470 013000
16	5	26	0,490	40	3470 015000
19	6	31	0,710	40	3470 019000
25	7	39	1,050	40	3470 025000

**Alimentary hose**

for liquid milk, midfats, juices, potable water, beers, wines, animal- and vegetable fats and oils, with maximum alcoholpercentage of 96%. Easy to clean with hot water or steam, till max. 120°C, using usual anti-bacteria purifiers.

Norm : according to relevant CE regulations

Working pressure : 10 bar

Burst pressure : 30 bar

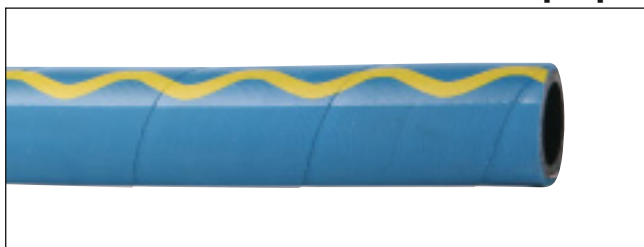
Temperature range : -15°C / +95°C intermittant till 120°C

Tube : synthetic rubber, white, smooth, according to FDA regulations

Cover : synthetic, blue, smooth

Cuttet length possible

## Aquapal



Marking: **AQUAPAL TRINKWASSERSCHLAUCH**  
**PN 20 KTW „A“ UND DVGW - W270 GEPRÜFT**

### Rubber potable waterhose

Highly flexible delivery hose for cold and warm potable water, tested according KTW norms, cat.A and DVGW.

- Temperature range : -20°C / +90°C
- Tube : The special transparent, plastic inner lining free of plasticisers is homogeneous, smooth and absolutely neutral to taste and odour
- Cover : NBR, Resistant to abrasion, UV, fats and oils
- Reinforcement : Synthetic fibres
- Remark : KTW-couplings for potable water on request available

ø Inner mm	ø Outer mm	Working pressure	kg/mtr	Length mtr	Art.-No.
13	20,2	20 bar	0,25	40	3490 013000
19	27,4	20 bar	0,42	40	3490 019000
25	34	20 bar	0,57	40	3490 025000

Cuttet length possible

## Armoflex / Food



Marking:  **ARMOFLEX / FOOD**

### Thermoplastic suction/discharge hose

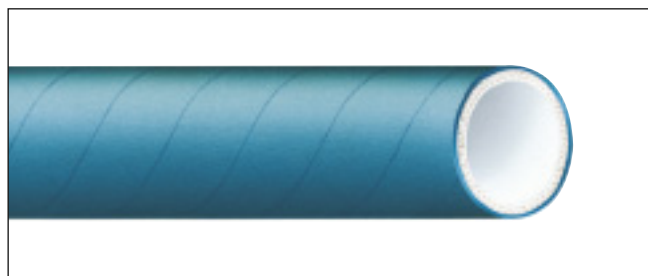
for potable water and foodstuffs, taste- and odorless, also for flexible sanitary-piping in vessels and boats.



- Norm : according to relevant CE regulations
- Vacuum : 0,8 bar
- Temperature range : -15°C / +65°C
- Structure : Thermoplastic, white, smooth, fully incorporated steel wire helix

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
20	4	28	8	0,390	30	4485 020000
25	4	33	8	0,560	30	4485 025000
32	4	40	8	0,700	30	4485 032000
38	4,5	47	7	0,820	30	4485 038000

Cuttet length possible

## Milkcord®



Marking:  MILKCORD® MILKHOSE / MILCHSCHLAUCH – PN 10 BAR F.D.A. ONLY FOODSTUFFS / NUR FUER LEBENSMITTEL 

### Alimentary hose

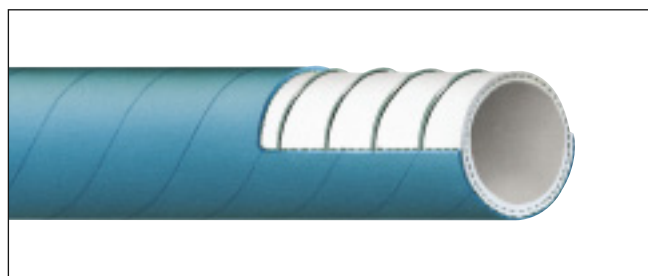
Deliveryhose for milk and fatty products, animal-and vegetable oils. For food-processing industry, breweries a.o. Also for alcoholic contents till 92%. To be cleaned before and after use, to sterilize the tube.

Norm	: FDA-Quality
Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -25°C / +80°C intermittant +120°C to sterilize
Tube	: Butyl, white, smooth, seamless, taste- and odorless FDA quality
Cover	: EPDM / NBR, blue, smooth fabric finish
Reinforcements	: textile plies

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
32	6	44	40	3450 032000
38	7	52	40	3450 038000
51	8	67	40	3450 050000
63	10	83	40	3450 063000

Cutted length possible

## Milkcord® / SP



Marking:  MILKCORD® / SP MILKHOSE / MILCHSCHLAUCH S/D - PN 10 BAR F.D.A. ONLY FOODSTUFFS / NUR FUER LEBENSMITTEL 

### Alimentary suction/dischargehose

Suction-and discharge hose for milk, fatty products, animal- and vegetable oils. For food-processing industry, breweries a.o. Also for alcoholic contents till 92%. To be cleaned before and after use, to sterilize the tube.

Norm	: FDA-Quality
Working pressure	: 10 bar
Burst pressure	: 30 bar
Vacuum	: 0,9 bar (Ø 63/75/102 = 0,8 bar)
Temperature range	: -25°C / +80°C intermittant +120°C to sterilize
Tube	: Butyl, white, smooth seamless, taste-and odorless, FDA quality
Cover	: EPDM / NBR, blue, smooth fabric finish
Reinforcements	: steel wire helix, textile plies

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art. -No.
32	6	44	40	3455 032000
38	7	52	40	3455 038000
51	7	65	40	3455 050000
63	8	79	40	3455 063000
76	8	92	40	3455 075000
102	10	122	20	3455 100000

Cutted length possible

Upon request: with pressed-on couplings




# **HADICE NA ABRAZÍVNE PRODUKTY**

**MATERIAL HANDLING HOSE**

## Turbocord®



Marking:  **TURBOCORD®** Size PN 12 BAR  
ABRIEB 60/70 mm<sup>3</sup>

### Sandblasthose

with highly abrasive resistant innertube, extruded quality

Working pressure	: 12 bar
Burst pressure	: 36 bar
Temperature range	: -30°C / +80°C
Electrical resistance	: < 10 <sup>6</sup> Ω
Abrasion resistance	: 60 - 70 mm <sup>3</sup> acc. DIN 53516
Tube	: NR, black, smooth extruded quality
Cover	: NR/SBR, black, smooth fabric finish

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	7	27	40	3500 013027
19	7	33	40	3500 019033
25	7	39	40	3500 025039
32	8	48	40	3500 032048
38	8,5	55	40	3500 038054
42	9	60	40	3500 042060
50	10	70	40	3500 050070

Cutted length possible

## Turboflex®



Marking:  **TURBOFLEX®** S/D PN 4 BAR

### Suctionhose for shotblast-materials

also for suction/discharge of other abrasives, pebbles, mud, sand etc.  
Very abrasive resistant tube of PARA.

Working pressure	: 4 bar
Burst pressure	: 12 bar
Vacuum	: 0,8 bar
Temperature range	: -30°C / +80°C
Tube	: PARA rubber, tangum, smooth
Cover	: SBR/NR black, smooth fabric finish
Reinforcements	: textile plies, steel wire helix static-wire

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
51	6,5	64	40	3505 050000
63	6,5	76	40	3505 063000
76	7,5	91	40	3505 075000
102	8	118	20	3505 100000
125	8	141	20	3505 125000
152	10,5	173	20	3505 150000

Cutted length possible

## Turboflex® / U.L.



### Suctionhose for shot-blast, pebbles, mud, sand etc.

Very abrasive resistant tube of PARA. Light and flexible construction.

Working pressure	: 1 bar
Burst pressure	: 2,5 bar
Vacuum	: 0,9 bar
Temperature range	: -25°C / +70°C
Abrasion resistance	: 75 mm <sup>3</sup> acc. DIN 53516
Tube	: NR/SBR, smooth
Cover	: SBR/NR, black corrugated, fabric finish
Reinforcements	: textile plies, static-wire steel spiral
Bending radius	: 2,5 x inside diameter

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
51	4,5	60	0,950	20	3506 050000
63	4,5	72	1,250	20	3506 063000
76	4,5	85	1,500	20	3506 075000
102	5	112	2,250	20	3506 100000
127	5	137	2,600	20	3506 125000
152	6	164	3,750	20	3506 150000

Cutted length possible

## Betuncord® / 10



### Concrete hose

for wet cement, concrete, plaster, other abrasives.

Working pressure	: 10 bar
Burst pressure	: 30 bar
Electrical resistance	: < 10 <sup>6</sup> Ω
Wear resistance	: 100 mm <sup>3</sup> according DIN 53516
Temperature range	: -30°C / +80°C
Tube	: NR/SBR, black, smooth
Insertions	: textile braids
Cover	: NR/SBR, black, fabric finish

Marking:  **BETONCORD® CONCRETE / BETON PN 10 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
60	10	80	20 / 40	3521 060000
63	13,5	90	40	3521 063090

Cutted length possible

## Betuncord® / 40



### Concrete hose

for wet concrete, cement, plaster and other abrasives.

Working pressure	: 40 bar
Burst pressure	: 120 bar
Electrical resistance	: < 10 <sup>6</sup> Ω
Wear resistance	: 100 mm <sup>3</sup> according DIN 53516
Temperature range	: -30°C / +80°C
Tube	: NR, black smooth,
Insertions	: textile braids
Cover	: NR/SBR, black, smooth fabric finish

Marking:  **BETONCORD® CONCRETE / BETON PN 40 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
25	7	39	40	3520 025000
35	7	49	40	3520 035000
38	8	54	40	3520 038000
50	9	68	40	3520 050000
63	11	85	40	3520 063000

Cutted length possible

## Silocord®



### Dry-cargo dischargehose

for cement, dry plaster, cattle-food, and other abrasives.

Working pressure	: 8 bar (90 and 102 mm 6 bar)
Temperature range	: -30°C / +80°C
Electrical resistance	: < 10 <sup>6</sup> Ω
Tube resistance	: 90 - 110 mm <sup>3</sup> acc.DIN 53516
Tube	: NR/SBR, black, smooth
Cover	: SBR, black, smooth fabric finish
Reinforcements	: textile plies, static-wire

Marking:  **SILOCORD® ZEMENT/DRY-CARGO PN ... BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
76	9	94	20/40	3530 075000
76	11	98	40	3530 076098
80	10	100	40	3530 080000
90	10	110	20/40	3530 090000
102	10	122	20/40	3530 100000

Cutted length possible

## Silocord® / Special



### Dry cargo dischargehose heavy duty quality

For highly abrasive materials, silica sand, soda, a.o.

Tube extremely abrasive resistant.

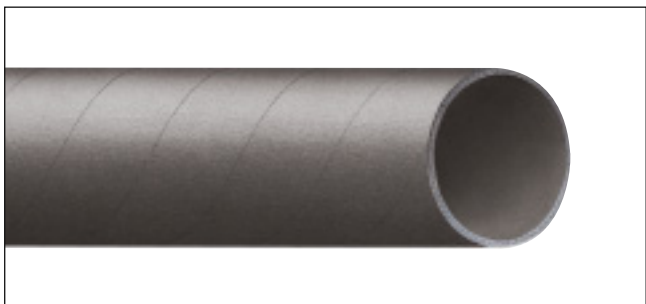
Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -30°C / +80°C
Electrical resistance	: < 10 <sup>6</sup> Ω
Abrasion resistance	: Tube 70 mm <sup>3</sup> acc. DIN 53516
	Cover 90 - 110 mm <sup>3</sup> acc. DIN 53516
Tube	: NR, black, smooth
Cover	: SBR,black, smooth fabric finish
Reinforcements	: textile plies, 2 crossed static-wires

Marking:  **SILOCORD®/SPEZIAL FÜR  
SPLITT-SODA-QUARZSAND**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
76	11	98	40	3542 076098
102	12	126	20	3542 102126

Cutted length possible


## Siloflat



### Dry-cargo dischargehose, layflat

for cement, dry plaster, cattlefood and other abrasives.

Working pressure	: 4 bar
Temperature range	: -30°C / +80°C
Tube resistance	: 90 - 110 mm <sup>3</sup> acc. DIN 53516
Tube	: NR, black, smooth
Cover	: NR/SBR,black, smooth fabric finish
Reinforcements	: textile plies, 2 crossed static-wires

Marking: 

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
76	4,5	85	40	3540 075000
102	6	114	40	3540 100000

Cutted length possible

## Siloflat® / discharge



### Dry-cargo exhausthose

for pressureless discharge of grainsilos, dry cement a.o.

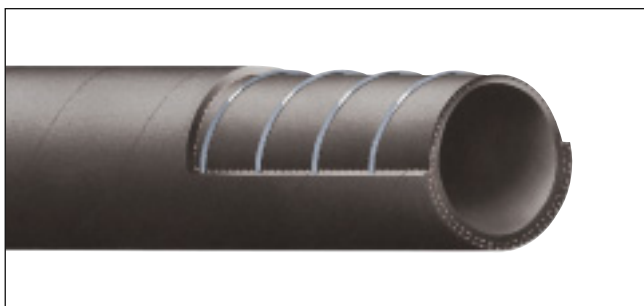
Temperature range	: -30°C / +80°C
Tube resistance	: 70 - 80 mm <sup>3</sup> acc.DIN 53516
Tube	: NR, black, smooth, conductive
Cover	: SBR, black smooth fabric finish
Reinforcements	: textile plies

Marking: 

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
152	7	166	20	3546 152166
203	7	217	20	3546 203217
254	8	270	20	3546 254270
305	9	323	10	3546 305323

Cuttet length possible / no cutting costs

## Silocord® / SP



### Dry-cargo suction/dischargehose

for cement, dry plaster, cattlefood, other abrasives.

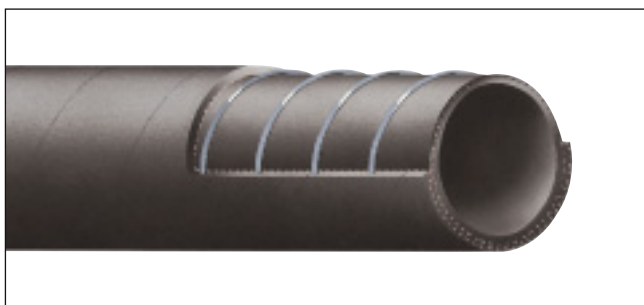
Working pressure	: 6 bar
Vacuum	: 0,8 bar
Temperature range	: -30°C / +80°C
Electrical resistance	: < 10 <sup>6</sup> Ω
Tube resistance	: 90 - 110 mm <sup>3</sup> acc. DIN 53516
Tube	: NR/SBR, black,smooth
Cover	: SBR, black, smooth fabric finish
Reinforcements	: textile plies, static-wire

Marking:  SILOCORD® / SP ZEMENT / DRY-CARGO PN 6 BAR

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
76	10	96	40	3535 076096
102	10	122	20	3535 102122

Cuttet length possible

## Silocord® / Special / SP



### Dry cargo suction/dischargehose, heavy duty

for highly abrasive materials, soda, silica sand a.o.

Tube extremely abrasive resistant.

Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -30°C / +80°C
Electrical resistance	: < 10 <sup>6</sup> Ω
Abrasion resistance	: Tube 70 mm <sup>3</sup> acc. DIN 53516 Cover 90 - 100 mm <sup>3</sup> acc. DIN 53516
Tube	: NR, black, smooth,
Cover	: SBR, black, smooth fabric finish
Reinforcements	: textile plies, steel wire helix, 2 crossed static-wires

Marking:  SILOCORD®/SPEZIAL/SP  
FÜR SPLITT-SODA-QUARZSAND

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
76	11	98	40	3544 076098
102	12	126	20	3544 102126

Cuttet length possible

## Silocord® / Alim



### Food quality material-handling hose

For transport of sugars, powders, granulates, grains and corn, cattlefood, dry-cargo, where the white tube assures a non-staining application.

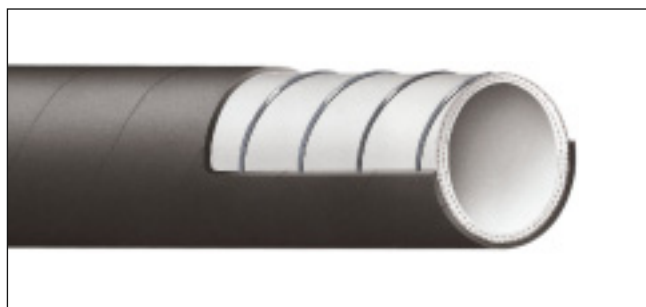
Working pressure	: 8 bar
Burst pressure	: 24 bar
Temperature range	: -30°C / +80°C
Tube	: NR/SBR, white, smooth, seamless, according to FDA regulations
Cover	: SBR, black, smooth fabric finish
Reinforcements	: textile plies, 2 crossed static-wires

Marking:  **SILOCORD®/ALIM GRANULATE PN 8 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
75	9	93	40	3560 075000
102	10	122	40	3560 100000

Cutted length possible

## Silocord® / Alim / SP



### Food quality, material-handling suction/discharge hose

For transport of sugars, powders, granulates, grains and corn, cattle-food, dry cargo, where the white tube assures a non-staining application.

Working pressure	: 8 bar
Burst pressure	: 24 bar
Vacuum	: 0,8 bar
Temperature range	: -30°C / +80°C
Tube	: NR/SBR, white, smooth, seamless, according to FDA regulations
Cover	: SBR, black smooth fabric finish
Reinforcements	: textile plies, steel wires helix 2 crossed static-wires

Marking:  **SILOCORD®/ALIM S/D GRANULATE PN 8 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
75	9	93	40	3565 075000
102	10	122	20	3565 100000

Cutted length possible




# **HADICE NA CHEMICKÉ PRODUKTY**

## **CHEMICAL HOSE**

## Corrosiv® / EN



Aufdruck:  **CORROSIV® CHEMHOSE / CHEMIESCHLAUCH**  
**ITR EN 12115 EPDM D MM PN 16 PB 64 BAR**  
**Ω TRBF 131/T2 P.5.5 QUARTER/YEAR**

### Dischargehose for chemicals.

for concentrated acids and chemicals. Not suitable for hydrocarbons. To be cleaned with hot water or steam of maximum 120°C.


Norm	: EN 12115 and TRbF 131, part 2, par. 5.5.
Working pressure	: 16 bar
Burst pressure	: 64 bar
Electrical resistance	: <10 <sup>6</sup> Ω
Wall through passing resistance	: <10 <sup>9</sup> Ω
Tube	: EPDM, black, smooth
Cover	: EPDM, black, smooth, fabric finish
Reinforcements	: textile plies, „static-wires“
Remark	: Please consult the chemical-resistance-table in our catalogue (pages 8-12). In case of doubt please contact us.

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
19	6	31	40	3815 019000
25	6	37	40	3815 025000
32	6	44	40	3815 032000
38	6,5	51	40	3815 038000
50	8	66	40	3815 050000

Cutted length possible

## Corrosiv® / SP / EN



Marking:  **CORROSIV® CHEMHOSE/**  
**CHEMIESCHLAUCH ITR**  
**EN 12115 EPDM Ø S/D PN.. PB.. BAR**  
**Ω - TRBF 131/T2 P5.5 - QUARTER/YEAR**

### Suction/dischargehose for chemicals.

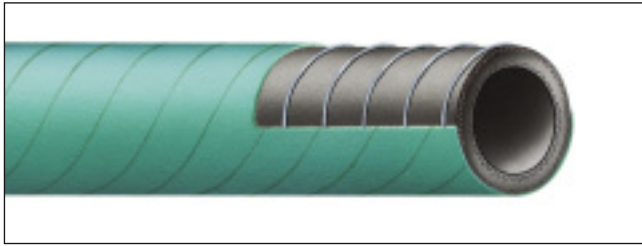
For a wide range of acids and chemicals. Suitability to be consulted in the chemical-resistance-tables. Not suitable for use of hydrocarbons. To be cleaned with hot water or steam with maximum temperature of 120°C. Highly qualified hose, kinkproof and flexible.

Norm	: EN 12115 and TRbF 131, part 2, par. 5.5.
Working pressure	: 16 bar (100 mm 12 bar)
Burst pressure	: 64 bar (100 mm 48 bar)
Vacuum	: 0,9 bar (75 and 100 mm 0,8 bar)
Electrical resistance	: <10 <sup>6</sup> Ω
Wall through passing resistance	: <10 <sup>9</sup> Ω
Tube	: EPDM, black smooth, extruded
Cover	: EPDM, black smooth, fabric finish
Reinforcements	: textile plies, steel wire helix, „static-wire“
Remark	: Please consult the chemical-resistance-tables in our catalogue (pages 8-12). In case of doubt please contact us.

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
25	6	37	40	3830 025000
32	6	44	40	3830 032000
38	6,5	51	40	3830 038000
50	8	66	40	3830 050000
63	8	79	40	3830 063000
75	8	91	40	3830 075000
100	8	116	40	3830 100000

Cutted length possible

### Superchem® / XLPE



Marking:  **SUPERCHEM® XLPE S/D PN 15 BAR  
PB 45 BAR R<1 M Ω**

#### Chemical suction/discharge hose

For a vast range of chemicals and acids. For use and security please consult our chemical resistance tabel.


Working pressure	: 15 bar
Burst pressure	: 45 bar
Vacuum	: 0,9 bar
Temperature range	: max. +65°C (consult table)
Tube	: Cross-linked Polyethelene
Cover	: EPDM, green, smooth fabric finish
Reinforcements	: textile plies, steel wire helix and static-wire
Remark	: For use and safety please consult the chemical resistance tabels in our catalogue (pages 8-12).

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
19	7,5	34	40	3800 019000
25	8	41	40	3800 025000
38	8	54	40	3800 038000
51	8	67	40	3800 050000
76	9,5	95	40	3800 075000

Cuttet length possible

### Superchem® / UPE / EN



Marking:  **SUPERCHEM® UPE MANUFACTURERS' LOGO  
EN 12115 - UPE SD - DIAMETER -  
PN 10 BAR PB 48 BAR Ω  
-quarter / year production**

#### Chemical suction/dischargehose

for a vast range of chemicals and acids.

Norm	: EN 12115 and TRbF 131, part 2, par. 5.5.
Working pressure	: 16 bar (100 mm – 12 bar)
Burst pressure	: 64 bar (100 mm – 48 bar)
Vacuum	: 0,9 bar (75 and 100 mm 0,8 bar)
Temperature range	: -15°C / +70°C, intermittent 120°C to sterilize
Electrical resistance	: <10 <sup>6</sup> Ω
Wall through passing resistance	: <10 <sup>9</sup> Ω
Tube	: UPE, smooth, electrical conductive
Cover	: EPDM, black, smooth fabric finish
Reinforcements	: textile plies, steel wire helix, "static-wire"
Remark	: for use and safety please consult the chemical resistance chart for XLPE (p. 8-12)

ø Inner mm	Wall mm	ø Outer mm	Bending radius mm	Length mtr	Art.-No.
19	6	31	190	40	3805 019000
25	6	37	230	40	3805 025000
32	6	44	260	40	3805 032000
38	6,5	51	340	40	3805 038000
50	8	66	410	40	3805 050000
63	8	79	450	40	3805 063000
75	8	91	530	40	3805 075000
100	8	116	680	20	3805 100000

Cuttet length possible



# **ODSÁVACIE PLASTOVÉ HADICE**

**AIR DUCTING PLASTIC HOSE**



Jb• Icfb Ø I.D. Ø int. I.D. mm.	<+ V UghYbm wall thickness wanddikte Veggtykkelse mm.	<a cfbcg weight gewicht Vekt gr./mtr.	Dc`ca Y'c`l mV bending radius buigradius Bøyeradius mm.	""DcXRU vacuum vacuum Vakuum m. H <sub>2</sub> O	DFUWj b `tiU working pressure werkdruk Arbeidstrykk bar	J feVbz X y`U coil length rollelengte Kveil lengde mtr.
38°	0,5	166	38	4,8	1,5	30
40	0,5	180	40	4,5	1,4	30
45	0,5	200	45	4	1,3	30
50	0,55	260	50	3,5	1,2	30
60	0,55	300	60	3	1	30
63	0,55	320	63	2,5	0,9	30
70	0,6	420	70	2,5	0,8	30
75	0,6	440	75	2	0,8	30
80	0,6	480	80	2	0,7	30
90	0,6	520	90	2	0,7	30
100	0,65	660	100	1,5	0,6	30
110	0,65	720	110	1,5	0,6	30
120	0,65	780	120	1,5	0,5	30
125	0,65	800	125	1,5	0,5	30
130	0,65	840	130	1,5	0,5	30
140	0,65	900	140	1,5	0,5	30
150	0,7	1100	150	1	0,4	30
160	0,7	1160	160	1	0,4	30
170	0,7	1240	170	1	0,4	30
180	0,7	1300	180	1	0,4	30
200	0,7	1440	200	1	0,3	30
220	0,7	1580	220	0,5	0,3	15
250	0,8	1880	250	0,5	0,2	15
300	0,8	2250	300	0,4	0,2	15

° Available in the self-extinguishing version according to DIN 4102 - B1 SCHWERENTFLAMMBAR.  
° Dostupná v samo-hasiacej verzii podľa DIN 4102- B1

• Available only in the version PU/R. / dostupná len vo verzii PU/R



## CHARACTERISTICS

Veľmi flexibilná hadica, hladký vnútorný povrch. Výsoká odolnosť voči oteru, olejom a palivám, zriedeným alkalickým roztokom a kyselinám, UV žiareniu a atmosférickým vplyvom. Pracovná teplota: -40°C + 90°C, krátkodobu do 125°C.

Very flexible hose, smooth inside surface. High resistance to abrasion traction, oils and fuels, diluted alkaline solutions and acids, U.V. rays and atmospheric agents. Working temperature: -40° C +90° C, for a short period up to 125° C.

Zeer flexibel, gladde binnenwand. Slijtvast, hoge treksterkte, bestand tegen olie, brandstof, verdunde alkalische oplossingen en zuren. UV stralen- en verouderingsbestendig. Temperatuur bereik: -40° C +90° C voor een kortere periode tot 125 °C.

Meget fleksibel slange med gode slitasjeegenskaper. Bestandig mot oljer og kjemikalier. UV og aldriingsbestandig. Temp. område: -40° C til +90° C. For kortere perioder opp til +125° C.

## STRUCTURE

Polyuretánová hadica s pozinkovanou alebo medenou špirálou; možné uzemniť uchytením špirály na koncovku.

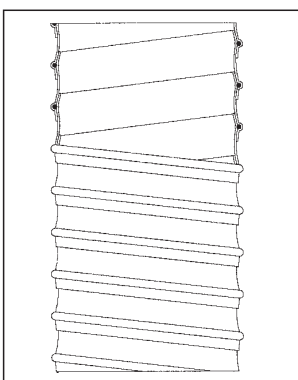
Polyurethane hose with zinc-plated or copper-plated steel spiral; grounding by connection of both spiral ends.

Polyurethaan slang met verzinkte of verkoperde stalen spiraal; aardsluiting door het koppelen van beide einden.

PU slange med zinc- eller koppbelagt stålspiral. Spiralen kan brukes som jording for å lede vekk statisk elektrisitet. Tilgjengelig i forskjellige veggtykkelser og spiraltykkelser.

Všetky technické údaje sú platné pri teplote 23° C ± 2° C (ISO 291) - tolerancia všetkých technických údajov ±5%.

ALL TECHNICAL SPECIFICATIONS APPLY TO A TEMPERATURE OF 23° C ± 2° C (ISO 291) - TOLERANCE ON ALL SPECIFICATIONS ±5%.



## USE

Sanie a preprava prachu, pilín a iných abrazívnych materiálov, granulátov a prachu v chemickom priemysle, drevárskom priemysle, atď.

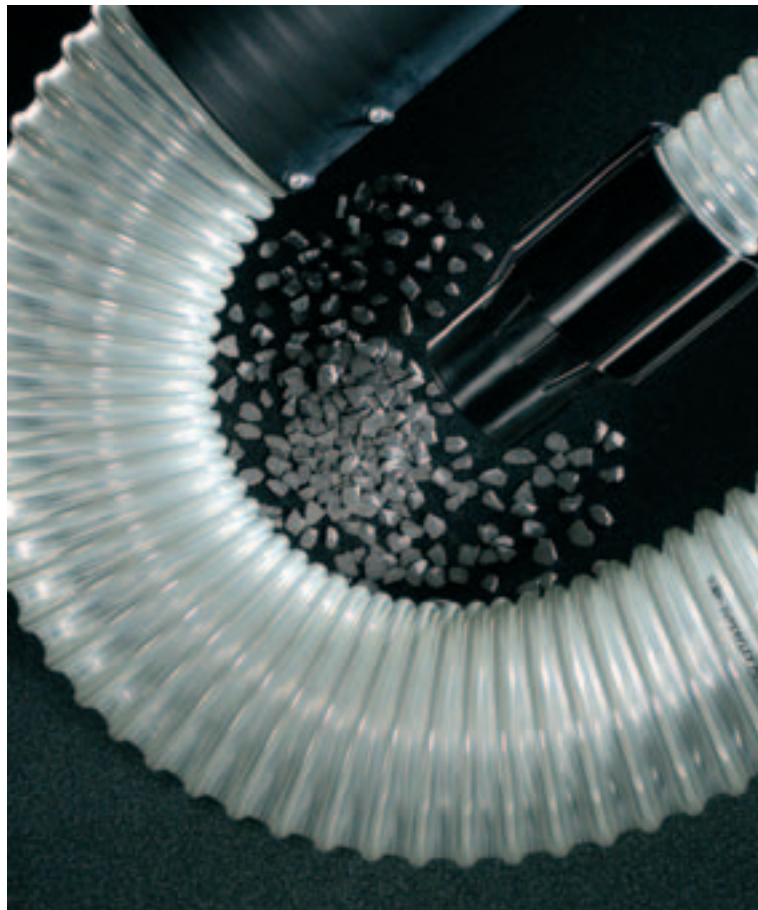
Suction and ducting of dust, saw-dust and other abrasive material, granules and dusts of chemical products, etc. conduit with high mechanical protection.

Afzuiging en doorvoer van stof, spanen en ander slijtend materiaal, granulaten en stof van chemische producten, etc. Slang met hoge mechanische bestendigheid. Avsug og ventilasjonsslange for treforedling, tekstil og annen industri hvor slitasjeegenskap og fleksibilitet er viktig.



Vnútorý Ø I.D. Innen Ø I.D. mm.	Hrúbka steny wall thickness Wandstärke Veggykkelse mm.	Hmotnosť weight Gewicht Vekt gr./mtr.	Polomer ohybu bending radius Biegeradius Bøyeradius mm.	Podtlak vacuum Unterdruck Vakuum m. H <sub>2</sub> O	Pracovný tlak working pressure Betriebsdruck Arbeidsstrykk bar	Výrobná dĺžka coil length Rollenlänge Kveil lengde mtr.
38	1	480	75	7,5	2,8	30
40	1	520	80	7	2,6	30
45	1	570	90	6,5	2,3	30
50	1	630	100	6	2	30
60	1	740	120	5	1,8	30
63	1	770	125	5	1,6	30
70	1,1	880	140	4,5	1,5	30
76	1,1	940	150	4	1,3	30
80	1,1	1000	160	4	1,2	30
90	1,1	1100	180	3,5	1,1	30
100	1,1	1250	200	3	1	30
120	1,1	1480	240	2,5	0,8	30
127	1,1	1580	250	2,5	0,8	30
130	1,1	1630	260	2,5	0,8	30
140	1,1	1750	280	2	0,7	30
150	1,1	1840	300	2	0,7	30
200	1,1	2500	400	1,5	0,5	30
250	1,1	3800	500	1	0,4	15
300	1,1	4500	600	1	0,3	15

\*◇ Suitable for the contact with foodstuff that requires a simulating liquid type A-B-C-D in accordance with 1935/2004 CE.



## CHARACTERISTICS

Veľmi flexibilná hadice s hladkým vnútorným povrchom. Vysoká odolnosť voči abrazii, olejom a palivám, riedeným alkalickým roztokom a kyselinám, UV žiareniu a atmosferickým vplyvom. Pracovná teplota: -40°C + 90°C, krátkodobo do 125°C.

Very flexible hose, smooth inside surface. High resistance to abrasion traction, oils and fuels, diluted alkaline solutions and acids, U.V. rays and atmospheric agents. Working temperature: -40° C +90° C, for a short period up to 125° C.

Hochflexibler Schlauch, Innenfläche. Hohe Festigkeit gegen Abrieb, Zug, Oele und Benzine, verdünnte Alkalilaugen und Säure, U.V. Strahlen und Witterungseinflüsse. Betriebstemperatur -40° C +90° C, kurzzeitig bis 125° C.

Meget fleksibel slange med gode slitaseegenskaper. Bestandig mot oljer og kjemikalier. UV og aldringsbestandig. Temp. område: -40° C til +90° C. For kortere perioder opp til +125° C.

## STRUCTURE

Polyuretánová hadica s pozinkovanou alebo pomedenou oceľovou špirálou. Uzemnenie hadice je možné prepojením oboch koncov.

Na požiadanie možnosť vyrobiť podľa špecifických požiadaviek.

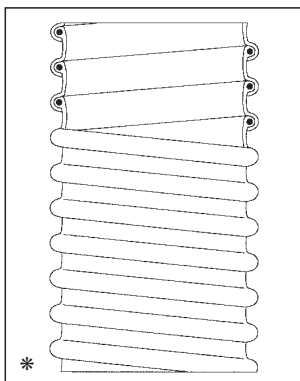
Polyurethane hose with zinc-plated or copper-plated steel spiral; grounding by connection of both spiral ends. On request according to the specific application and heaviness of the same.

Polyurethan-Schlauch mit verzinkter oder kupferplattierter Stahldrahtspirale; Erdung durch Verbindung der Spiralenenden. Auf Anfrage nach spezifischer Verwendung und Beschwerlichkeit der Leistung.

PU slange med zinc- eller koppbelagt stålspiral. Tilgjengelig i forskjellige veggtykkelser og spiraltykkelser.

VŠETKY TECHNICKÉ ÚDAJE PLATIA PRE TEPLoty DO 23°C. TOLERANCIA TECHNICKÝCH ÚDAJOV 5%.

ALL TECHNICAL SPECIFICATIONS APPLY TO A TEMPERATURE OF 23° C ± 2° C (ISO 291) - TOLERANCE ON ALL SPECIFICATIONS ±5%.



## USE

Odsávacie potrubie prachu, pilín a iných abrazívnych materiálov, granulátov a odsávanie prachu z chemických produktov, vysoká mechanická odolnosť.

Suction and ducting of dust, saw-dust and other abrasive material, granules and dusts of chemical products, etc. conduit with high mechanical protection.

Saug- und Gebläseschlauch für Staub, Spänen und anderes hoch abrasiven Material, Granulatkörner und Stäube von Chemikalien, u.s.w. Schutzschlauch mit hohem mechanischen Schutz.

Avsug og ventilasjonsslange for treforedling, tekstil og annen industri hvor slitaseegenskap og fleksibilitet er viktig.

\* Šípka ukazuje správny smer prúdenia média



Jb* Ictib Ø I.D. Innen Ø I.D. mm.	<+ V Ughtbm wall thickness Wandstärke Vegglykkelse mm.	<a ctbcg weight Gewicht Vekt gr./mtr.	Dc ca Yf cl nfi bending radius Biegeradius Boyeradius mm.	DcXñU vacuum Unterdruck Vakuum m. H <sub>2</sub> O	DfUWj b rñU working pressure Betriebsdruck Arbeidsstrykk bar	J fcVbz Xy U coil length Rollenlänge Kveil lengde mtr.
38	1,3	500	75	8	2,7	20
40	1,3	550	80	7,5	2,6	20
45	1,3	600	90	6,5	2,4	20
50	1,4	670	100	6	2,2	20
60	1,4	770	120	5	1,8	20
63	1,4	800	130	5	1,7	20
70	1,4	950	140	4,8	1,6	20
76	1,4	1050	150	4,5	1,5	20
80	1,4	1100	160	4,2	1,4	20
90	1,4	1200	180	4	1,2	20
100	1,5	1350	200	3,5	1,1	15
120	1,5	1630	240	3	0,9	15
127	1,5	1800	250	2,5	0,9	15
130	1,5	1850	260	2,5	0,8	15
140	1,5	2000	280	2,5	0,8	15
150	1,5	2150	300	2,2	0,8	10
200	1,6	3300	400	1,8	0,6	10
250	1,6	4100	500	1,2	0,5	10
300	1,6	4900	600	1,2	0,4	10

## CHARACTERISTICS

Veľmi flexibilná hadica s hladkým vnútorným povrchom. Vysoká odolnosť voči abrazii, olejom a palivám, alkalickým roztokom a kyselinám, UV žiareniu a atmosférickým vplyvom. Pracovná teplota: -40°C až +90°C. Krátkodobo do 125°C

Very flexible hose, smooth inside surface. High resistance to abrasion traction, oils and fuels, diluted alkaline solutions and acids, U.V. rays and atmospheric agents. Working temperature: -40° C +90° C, for a short period up to 125° C.

Hochflexibler Schlauch, Innenfläche. Hohe Festigkeit gegen Abrieb, Zug, Bruch, Oele und Benzine, verdünnte Alkalilaugen und Säure, U.V. Strahlen und Witterungseinflüsse. Betriebstemperatur -40° C +90° C, kurzzeitig bis 125° C.

Meget fleksibel slange med gode slitasegenskaper. Bestandig mot oljer og kjemikalier. UV og aldringsbestandig. Temp. område: -40° C til +90° C. For kortere perioder opp til +125° C.

## STRUCTURE

Polyurethánová hadica s pomedenou oceľovou špirálou, uzemnenie je možné uchytением špirály na koncovky.

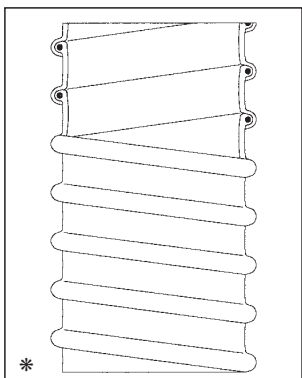
Polyurethane hose with copper-plated steel spiral; grounding by connection of both spiral ends.

Polyurethan-Schlauch mit oder kupferplattierter Stahldrahtspirale; Erdung durch Verbindung der Spiralen.

PU slange med koppbelagt stålspiral. Spiralen kan brukes som jording for å lede vekk statisk elektrisitet.

VŠETKY TECHNICKÉ ÚDAJE PLATIA PRE TEPLoty DO 23°C. TOLERANCIA TECHNICKÝCH ÚDAJOV 5%.

ALL TECHNICAL SPECIFICATIONS APPLY TO A TEMPERATURE OF 23° C ± 2° C (ISO 291) - TOLERANCE ON ALL SPECIFICATIONS ±5%.



## USE

Sanie a doprava prachu, pilín a iných abrazívnych materiálov, granulátov a prachu z chemických produktov.

Suction and ducting of dust, saw-dust and other abrasive material, granules and dusts of chemical products, etc. conduit with high mechanical protection.

Saug- und Gebläseschlauch für Staub, Spänen und anderes hoch abrasiven Material, Granulatkörner und Stäube von Chemikalien, u.s.w. Schutzschlauch mit hohem mechanischen Schutz.

Avsug og ventilasjonsslange for treforedling, tekstil og annen industri hvor slitasegenskap og fleksibilitet er viktig.

\* Šípka indikuje smer prúdenia média.



Jb•tefb Ø I. D. Innen Ø I.D. mm.	Jcb. Uýt Ø O. D. Aussen Ø U.D. mm.	<a cfbcg weight Gewicht Vekt gr./mtr.	Dc'ca Y'cl rñi bending radius Biegeradius Bøyeradius mm.	DcXñU_ vacuum Unterdruck Vacum m. H <sub>2</sub> O	J f"Xý_U coil length Rollenlänge Std.lengde mtr.
40	46	200	40	3	30
45	51	230	45	3	30
50	56	280	50	2,5	30
60	66	320	60	2,5	30
63	69	340	63	2,5	30
70	77	420	70	2	30
75	82	440	75	2	30
80	87	480	80	1,7	30
90	97	520	90	1,7	30
100	107	660	100	1,4	30
110	117	720	110	1,4	30
120	127	780	120	1,2	30
125	132	800	125	1,2	30
130	137	840	130	1	30
140	147	900	140	1	30
150	157	1100	150	0,7	30
160	167	1160	160	0,7	30
170	177	1240	170	0,5	30
180	187	1300	180	0,5	30
200	207	1440	200	0,4	30
250	259	1850	250	0,3	15
300	309	2200	300	0,2	15



## CHARACTERISTICS

Hladký vnútorný povrch. Výborná flexibilita. Pracovná teplota: -25°C+125°C  
Odolná olejom.

Smooth inside surface. Very flexible. Temperature range: -25° C +125° C.  
Very resistant to oils.

Innenfläche glatt. Sehr flexibel. Temperaturbereich: -25° C +125° C.  
Hohe Ölbeständigkeit.

Meget fleksibel og oljebestandig slange. Temp.område: -25° C +125° C.

## USE

Použitie: odsávanie vzduchu a odsávanie výparov kyselín.

Applications: air ducting and extraction of acid fumes.

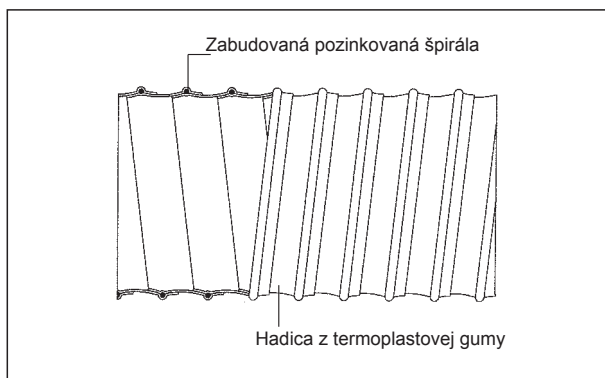
Anwendung: als Saug- und Gebläseschlauch für Luft- und Sauerdämpfe.

Avsug og ventilasjonsslange for høye temperaturer. Meget olje- og kjemikaliebestandig.

VŠETKY TECHNICKÉ ÚDAJE PLATIA PRE TEPLYTY DO 23°C. TOLERANCIA TECHNICKÝCH ÚDAJOV 5%.

ALL TECHNICAL SPECIFICATIONS APPLY TO A TEMPERATURE OF 23° C ± 2° C (ISO 291) - TOLERANCE ON ALL SPECIFICATIONS ±5%.

## STRUCTURE



Termoplastová guma s pozinkovanou oceľovou špirálou.

Thermoplastic rubber hose with coated steel spiral.

Schlauch aus thermoplastischem Kautschuk mit Ummantelstahldrahtspirale.

Termoplastisk gummi Stålspiral. Korrugert inn- og utvendig.



\* Vhodná pre kontakt s potravinami podľa CE 1935/2004

Jb* tcfb I.D. Innen Ø I.D. mm	<a cftbcg weight Gewicht Vekt gr./mtr	Dc'ca Yr'cl mVl bending radius Biegeradius Bøyeradius mm.	DcXliU_ vacuum Unterdruck Vacuum m. H <sub>2</sub>	J fcVbz'X ý_U coil length Rollenlänge Std.lengde mtr.	
25	160	190	25	4	20
30	180	210	30	4	20
32	195	240	32	4	20
35	200	250	35	4	20
38	250	310	38	3	20
40	280	330	40	3	20
45	320	370	45	3	20
50	390	440	50	3	20
60	440	500	60	3	20
63	470	530	63	3	20
70	600	660	70	3	20
75	600	660	75	3	20
80	650	740	80	3	20
90	750	810	90	3	20
100	850	920	100	3	20
110	1050	1120	110	3	20
120	1100	1180	120	3	20
125	1170	1250	125	3	20
130	1280	1350	130	3	20
140	1400	1500	140	3	20
150	1450	1600	150	3	20
160	1700	1780	160	3	20
180	2000	2100	180	3	10
200	2180	2280	200	3	10
250	2960	-	250	3	10
300	3700	-	300	3	10

\* Antistatická verzia - Antistatic version - Antistatische Version - Antistatisk versjon



## CHARACTERISTICS

Flexibilná hadica s hladkým vnútorným povrchom. Pracovná teplota -25°C až +85°C. Výborná odolnosť voči abrazii, atmosférickým vplyvom a mikroorganizmom. Vhodná pre sušené potraviny, dobrá odolnosť voči chemickým produktom.

Flexible hose, smooth inner surface. Temperature -25° C +85° C. Excellent resistance to abrasion, atmospheric agents and attack by micro-organisms. Suitable for contact with dried food products; good resistance to attack by chemical products.

Schlauch mit glatter Innenfläche. Temperatur -25° C +85° C. Erstklassige Reibfestigkeit, Wetterbeständigkeit und Beständigkeit gegen Mikroorganismenbefall. Geeignet für den Kontakt mit getrockneten Nahrungsmitteln, gute Beständigkeit gegen chemische Angriffsmittel.

Fleksibel slange. Meget slitesterk, kjemikalie-, fuktighets- og mikrobestandig. 7-8 ganger mere slitesterk enn PVC. Temp.område: -25° C +85° C. Næringsmiddelkvalitet.

## USE

Sacia a transportná hadica pre abrazívne materiály, prášok, zrno, cereálie, spracovaného šrotu a organických materiálov používaných v priemysle, poľnohospodárstve a záhradkarskom priemysle.

Suction and transportation of abrasive materials, powders, grains, cereals, processing scraps and organic materials used in industry, agriculture and gardening.

Absaugen und Transport von Schleifmitteln, Pulver, Korngemische, Getreide, Bearbeitungsabfälle, organische Stoffe für Industrie, Landwirtschaft und Gartenbau.

Lett slange for suging og transport av slitende materialer, samt for fiskeindustrien hvor det er et begrenset behov for trykk og vacuum.

## STRUCTURE

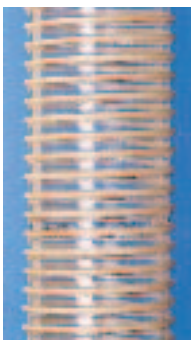
Polyuretánová hadica so špirálou odolnou nárazom z tvrdého PVC.

In polyurethane with a spiral in shock-resistant, rigid PVC.

Aus Polyurethan mit steifer, stossfester PVC-Spirale.

PU inn- og utvendig. Herdet PVC spiral. Meget glatt innvendig, korruert utvendig.

**ANTISTATICO**  
pfY'dchUj ]bm  
Medená špirála

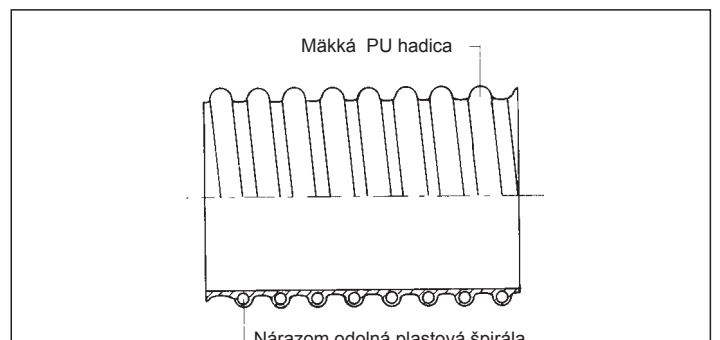


**POLIESTERE**  
pfY'dchUj ]bm



**POLIETERE**  
pfY'dchUj ]bm

Odolna hydrolyze vo viac ako 60°C horúcej vode, zabráni útoku mikrobov a mikro organizmov.



VŠETKY TECHNICKÉ ÚDAJE PLATIA PRI TEPLOTE DO 23° C ± 2° C (ISO 291) - TOLERANCIA VŠETKÝCH TECHNICKÝCH ÚDAJOV ±5%.



**PLASTOVÉ HADICE PRE  
KVAPALINY**

**PLASTIC HOSE FOR DELIVERY  
OF LIQUID**

\* Vhodná pre kontakt s potravinami, kde je potrebná simulácia tekutín typu A-B-C podľa CE 1935/2004.  
Test migrácie urobny pri teplote 40°C po dobu 24hod.

I. D. Innen Ø I.D. mm.	wall thickness Wandstärke Veggykkelse mm.	weight Gewicht Vekt gr./mtr.	bending radius Biegeradius Bøyeradius mm.	working pressure Betriebsdruck Arb.trykk bar a 20° C	vacuum Unterdruck Vacum m. H <sub>2</sub> O	coil length Rollenlänge Std.lengde mtr.
10	3	155	20	7	8,5	60
12	3	180	25	7	8,5	60
14	3,2	200	30	6	8,5	60
16	3,2	225	35	6	8,5	60
18	3,2	280	40	6	8,5	60
20	3,4	340	50	5	8,5	60
22	3,6	360	55	5	8,5	60
25	4	510	60	5	8,5	60
30	4,2	600	70	4,5	8,5	60
32	4,2	650	75	4,5	8,5	60
35	4,5	730	80	4	8,5	60
38	4,5	800	90	4	8,5	30
40	4,7	870	95	3	8,5	30
45	5	1100	110	3	8	30
50	5	1200	125	3	8	30
60	6	1800	140	2,5	8	30
75	6,8	2500	200	2	7	30
80	7	2700	220	2	7	30
100	7	3250	300	2	7	30



## CHARACTERISTICS

Veľmi flexibilná, pevná, abrazii odolná hadica s hladkým vnútorným aj vonkajším povrchom. Pracovná teplota od -5°C až do +65°C.  
**Very flexible, strong, abrasion resistant, smooth inside and outside.**  
**Temperature range: -5° C +65° C.**  
 Hochflexibel, robust, abriebfest, innen und aussen glatt. Temperaturbereich: -5° C +65° C.  
 Meget fleksibel og slitesterk slange. Temp.område: -5° C +65° C. Næringsmiddelkvalitet.

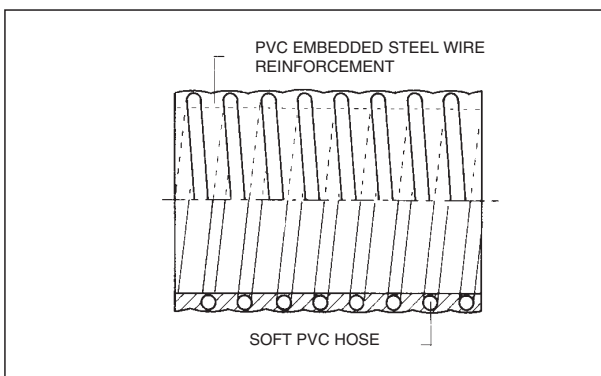
## USE

Použitie: sanie potravín, pitnej vody, tekutín s obsahom alkoholu do 28°.  
**Applications: suction of foodstuffs, drinkable water, drinks up to 28° alcohol contents.**  
**Anwendung: als Saugschlauch von Lebensmitteln, Getränken bis 28° Alkohol, Trinkwasser.**  
 Lett suge-/trykkslange for næringsmiddelindustrien, granulat og transport av væsker hvor liten bøyeradius er viktig. Alkoholbestandighet 28°.

VŠETKY TECHNICKÉ ÚDAJE PLATIA PRE TEPLoty DO 23°C. TOLERANCIA TECHNICKÝCH ÚDAJOV 5%.

ALL TECHNICAL SPECIFICATIONS APPLY TO A TEMPERATURE OF 23° C ± 2° C (ISO 291) - TOLERANCE ON ALL SPECIFICATIONS ±5%.

## STRUCTURE



Mäkké PVC so zabudovanou oceľovou špirálou. Priehľadná farba, ľahké prevedenie.  
**Soft PVC hose with embedded steel wire reinforcement. Clear transparent. Lightweight quality.**  
**Weich-PVC-Schlauch mit eingebetteter Stahldrahtspirale. Glassklar. Leichte Ausführung.**  
 PVC inn- og utvendig. Stålspiral. Glatt inn- og utvendig. Transparent.



Vhodná pre kontakt s potravinami, kde je potrebná simulácia potravín typu A-B-C podľa normy CE 1935/2004. Skúšky migrácie vykonané pri 40 ° C po dobu 24 hodín.

Suitable for the contact with foodstuff that requires a simulating liquid type A-B-C in accordance with CE 1935/2004. Migration tests made at 40° C for 24 hours.

Vnútorňý I. D. Innen Ø I.D. mm.	Hrúbka steny wall thickness Wandstärke Veggykkelse mm.	Hmotnosť weight Gewicht Vekt gr./mtr.	Polomer ohybu bending radius Biegeradius Bøyeradius mm.	Podtlak vacuum Unterdruck Vacum m. H <sub>2</sub> O	Pracovný tlak working pressure Betriebsdruck Arb.trykk bar a 23° C	Výrobná dĺžka coil length Rollenlänge Std.lengde mtr.
10	3	155	20	9,5	8	60
12	3	180	25	9,5	8	60
14	3	200	30	9,5	8	60
16	3	225	35	9,5	8	60
18	3,2	280	40	9,5	7	60
20	3,5	340	50	9,5	7	60
22	3,5	360	55	9,5	6	60
25	4	510	60	9,5	6	60
30	4,7	680	70	9,5	5	60
32	4,7	730	75	9,5	5	60
35	4,5	730	80	9,5	5	60
38	5,5	950	90	9,5	5	30
40	6,5	1220	100	9,5	5	30
45	6,5	1400	110	9,5	5	30
50	7	1600	125	9	5	30
60	7	2050	140	9	5	30
63	7	2250	150	9	4	30
70	8	2600	180	9	4	30
75	8	2850	200	9	4	30
80	8	3150	220	9	3	30
90	8,5	3750	260	9	3	30
100	9	4400	300	9	3	30
105	8,5	3900	310	9	2	20
110	9	4650	320	9	3	20
120	9	5200	340	9	2	20
125	9,5	5400	350	9	2	20
150	9,5	7200	450	9	2	20
203	11	9900	900	9	2	length



## CHARACTERISTICS

Velmi flexibilná, robustná, abrazii odolná hadice s hladkým vnútorným povrchom. Pracovná teplota: -5°C + 65°C.

Highly flexible, robust, abrasion resistant. Smooth inside and outside. Temperature range: -5° C +65° C.

Hochflexibel, robust, abriebfest. Innen und aussen glatt. Temperaturbereich: -5° C +65° C.

Meget fleksibel og slitesterk slange. Temp.område: -5° C +65° C.

## USE

Sanie potravín, nápojov s alkoholom do 28%, na prečerpávanie, u poľnohospodárskych strojov, zavlažovacích strojov, lodných strojov, priemysel plastov, chemický priemysel, čistiace csiterny.

Suction of foodstuffs, drinks up to 28% alcohol contents, vacuum pumps, agricultural machines, irrigation plants, boat construction, chemical plants, plastics manufacturing machinery, sludge tankers.

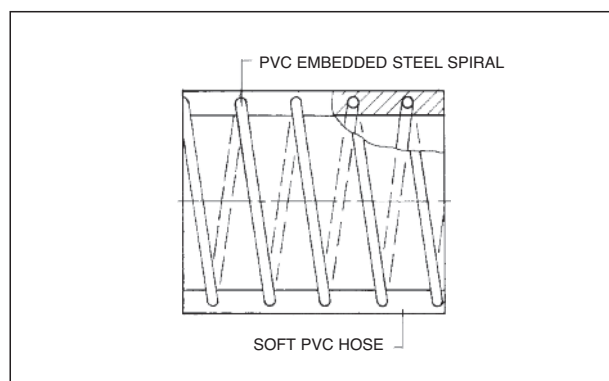
Als Saugschlauch von Lebensmitteln, Getränken bis 28% Alkohol, Vakuum-Pumpen, Landwirtschaftsmaschinen, Bewässerungsanlagen, Schiffsbau, chemische Anlagen, Kunststoffbearbeitungsmaschinen, Kanalreinigung, Kommunalfahrzeuge.

Kraftig suge-/trykkslange for næringsmiddelindustrien, septik, landbruk og industri. Alkoholbestandighet 28%.

VŠETKY ÚDAJE PLATIA PRE TEPLoty DO 23°C. TOLERANCIA TECHNICKÝCH ÚDAJOV 5%

ALL TECHNICAL SPECIFICATIONS APPLY TO A TEMPERATURE OF 23° C ± 2° C (ISO 291) - TOLERANCE ON ALL SPECIFICATIONS ±5%.

## STRUCTURE



Mäkká PVC hadica so zabudovanou špirálou. Priehľadná farba.

Soft PVC hose with embedded steel wire reinforcement. Clear light green.

Weich-PVC-Schlauch mit eingebetteter Stahldrahtspirale. Heligrün transparent.

PVC inn- og utvendig. Stålspiral. Glatt inn- og utvendig. Lysegrønn transparent.



\*\* Na základe požiadavky na množstvo bude dohodnuté.

\*\* Only on request for quantities to be agreed.

Vnútrojný Ø I. D. Innen Ø I.D. inc.	Vnútrojný I. D. Innen Ø I.D. mm.	Hrúbka steny wall thickness Wandstärke Vegtykkelse mm.	Hmotnosť weight Gewicht Vekt gr./mtr.	Polomer ohybu bending radius Biegeradius Boyeradius mm.		Podtlak vacuum Unterdruck Vacum m. H <sub>2</sub> O		Pracovný tlak working pressure Betriebsdruck Arb.trykk bar a 23° C		Poruchový tlak bursting pressure Berstdruck Spr.trykk bar a 23° C		Výrobná dĺžka coil length Rollenlänge Std.lengde mtr.
				SE	EX	SE	EX	SE	EX	SE	EX	
1	25	4,4	500	100	85	9	8	7	4	21	12	50
1 1/4	32	4,4	600	130	110	9	8	6	4	18	12	50
1 1/2	38	4,4	700	150	135	9	8	6	4	18	12	50
1 3/4	45	5	900	180	155	9	8	5,5	3,5	16,5	10,5	50
	50	5,5	1050	200	175	9	8	5	3,5	15	10,5	50
	60	5,6	1250	240	210	9	8	4,5	3	13,5	9	50
2 1/2	63	6	1390	250	220	9	8	4,5	3	13,5	9	50
	75	6,5	1700	300	260	9	8	4	3	12	9	30
3	76	6,5	1700	300	260	9	8	4	3	12	9	30
	80	6,5	1850	320	280	9	8	3,5	3	10,5	9	30
3 1/2	89	6,7	2250	360	310	9	8	3,5	2	10,5	6	30
	90	6,7	2250	360	315	9	8	3,5	2	10,5	6	30
	100	7,4	2700	400	350	9	8	3	2	9	6	30
4**	102	7,3	2700	400	350	9	8	3	2	9	6	30
	110	7,5	3100	440	385	9	8	3	2	9	6	20
	120	8	3600	480	420	9	8	2,5	2	7,5	6	20
	125	8,3	3900	500	440	9	8	2,5	2	7,5	6	20
5	127	8,3	3900	510	445	9	8	2,5	2	7,5	6	20
	130	8,5	4100	520	455	9	8	2,5	1,5	7,5	4,5	20
	133	8,5	4200	535	465	9	8	2,5	1,5	7,5	4,5	20
	150	9	5000	600	525	9	7	2	1,5	6	4,5	20
6	152	9	5000	610	525	9	7	2	1,5	6	4,5	20
	160	9,4	5600	640	560	9	7	2	1	6	3	20
	200	13	9500	800	700	9	7	1,5	1	4,5	3	-



## CHARACTERISTICS

### SUPERELASTIC

Veľmi flexibilná. Pracovná teplota: -25°C + 55°C.

Very flexible. Temperature range: -25° C +55° C

Hochflexibel. Temperaturbereich: -25° C +55° C

Superelastisk slange. Temp.område: -25° C +55° C.

### EXTREME ELASTIC

Veľmi flexibilná. Pracovná teplota: -40°C + 55°C.

Very flexible. Temperature range: -40° C +55° C

Hochflexibel. Temperaturbereich: -40° C +55° C

Superelastisk slange. Temp.område: -40° C +55° C.

## USE

Použitie: pre cisternové vozidlá, zavlažovanie, kalové cisterny.

Applications: for tank cars, irrigation plants, sludge tankers.

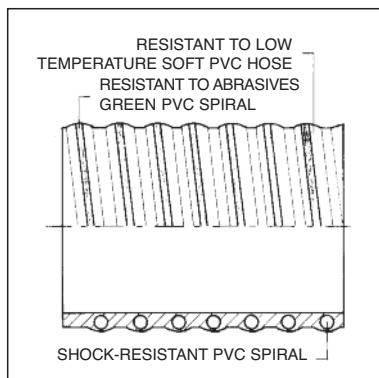
Anwendung: als Gülleschlauch, für Bewässerungsanlagen, Kommunalfahrzeuge.

Kraftig suge-/trykkslange for septik, entreprenører, landbruk og industri.

VŠETKY TECHNICKÉ ÚDAJE PLATIA PRE TEPLoty DO 23°C. TOLERANCIA TECHNICKÝCH ÚDAJOV 5%.

ALL TECHNICAL SPECIFICATIONS APPLY TO A TEMPERATURE OF 23° C ± 2° C (ISO 291) - TOLERANCE ON ALL SPECIFICATIONS ±5%.

## STRUCTURE



COD. 911075



COD. 911159



**SUPERELASTIC** PVC hadica s flexibilnou stenou s tvrdosťou 57 SHORE. Nárazom odolná PVC špirála.

PVC hose with flexible wall with a hardness of 57 SHORE A. Shock resistant rigid PVC spiral.

PVC Schlauch mit flexibler Wand mit einer Härte von 57 SHORE A. Schlagfeste hard PVC Spirale.

PVC slange med fleksibel vegg med hardhet på 57 SHORE A. Støtsikker herdet PVC spiral.

**EXTREME ELASTIC** PVC hadicas flexibilnou stenou, tvrdosť 51 SHORE. Nárazom odolná PVC špirála.

PVC hose with flexible wall with a hardness of 51 SHORE A. Shock resistant rigid PVC spiral.

PVC Schlauch mit flexibler Wand mit einer Härte von 51 SHORE A. Schlagfeste hard PVC Spirale.

PVC slange med fleksibel vegg med hardhet på 51 SHORE A. Støtsikker herdet PVC spiral.



## STRUCTURE

Dve vrstvy plastického PVC so zabudovanou špirálou v prvej vrstve. Hadica je polyesterovými vláknami medzi prvou a druhou vrstvou. Biela vnútorná vrstva - čierna vonkajšia vrstva - zelené označenie hadice.

Two-layer plasticized PVC with embedded steel spiral in the first, with polyester yarn reinforcement between the first and the second. White underlay - black covering - green marking.

Aus weichem doppelschichtigem PVC mit Stahldrahtspirale, in der ersten Schicht eingebettet, und Polyestergerarn - Einlage zwischen erster und zweiter Schicht. Innenschlauch weiß, Überzug schwarz, Markierung grün.

Superelastisk PVC inn- og utvendig, stålspiral og Polyester armering. Hvit innvendig og svart utvendig med grønn merking.

## CHARACTERISTICS

Veľmi flexibilná hadica, pri teplotách od -25°C do 60°C. Hladký vnútorný aj vonkajší povrch. Dobrá odolnosť voči poveternostným vplyvom. Odolnosť voči abrazii podľa ISO 4649: častice menšie ako 160mm<sup>3</sup>.

It is very flexible, even at low temperatures -25° C +60° C. Smooth inside and outside. Good abrasion resistance and weatherproof. Abrasion resistance according to ISO 4649 : mm<sup>3</sup> < 160.

Sehr flexibel, auch bei geringen Temperaturen, -25° C +60° C, innen und außen glatt. Witterungsbeständig und abriebfest. Abriebfestigkeit nach ISO 4649 : mm<sup>3</sup> < 160.

Meget fleksibel slange også ved lave temperaturer. Arbejdstemp. -25° C til +60° C. Glatt innvendig og utvendig. Gode slitasegenskaper og aldringsegenskaper. Slitasjegenskap i henhold til ISO 4649 : mm<sup>3</sup> < 160.



VŠETKY TECHNICKÉ ÚDAJE SÚ PLATNÉ PRE TEPLoty DO 23°C. TOLERANCIA ÚDAJOV 5%.

ALL TECHNICAL SPECIFICATIONS APPLY TO A TEMPERATURE OF 23° C ± 2° C (ISO 291) - TOLERANCE ON ALL SPECIFICATIONS ±5%.

## USE

Univerzálna hadica pre sanie a dopravu potravinárskych tekutín, alkoholov do 28%, môže byť použitá pre zavlažovanie, plnenie a vyprázdňovanie cisterien, použitie v priemysle,...

Universal hose for suction and delivery of food-based liquids, alcohol up to 28%, it can be used in irrigation systems, loading and unloading for large containers, industrial plant engineering, etc.

Universalschlauch zum Durchleiten und Saugen von Nahrungsmittelflüssigkeiten, Alkohol bis zu 28%, geeignet für Bewässerungsanlagen, das Laden und Entladen großer Behälter, Industrieanlagen, usw.

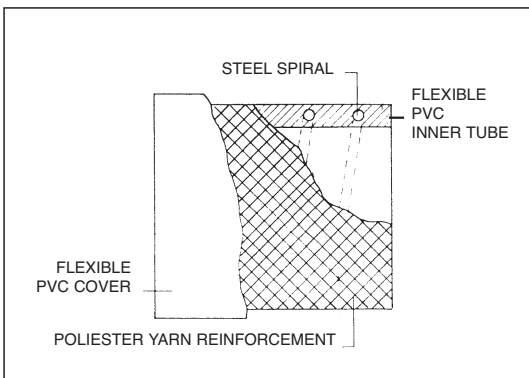
Universal suge- og trykkslange for næringsmidler, og alohol opp til 28%. Kan også brukes til vanningsanlegg, lasting og lossing av tanker og containerem samt tørre materialer.

Jb+hcfb I. D. Innen Ø mm.		<f+V Ughfmb wall thickness Wandstärke Veggykkelse mm.	<a cfbcg weight Gewicht Vekt gr./mtr.	Dc'ca Yf'c' mfi bending radius Biegeradius Bøyeradius mm.	DcXhU vacuum Unterdruck Vacuum m. H <sub>2</sub> O	DfUW'jb 'hU working press Betriebsdruck Arb. Trykk bar a 23° C	Dcfl W'cj 'hU bursting press. Berstdruck Sprengtrykk bar a 23° C	J fcVbz X y U coil length Rollenlänge Std. Lengde mtr.
19		4,5	475	70	9	20	60	60
25	1	5,3	680	80	9	16	48	60
30		5,3	770	90	9	16	48	60
32		5,3	800	100	9	16	48	60
35		6	1100	115	9	14	42	60
38		6,5	1200	125	9	14	42	30
40		6,5	1220	130	9	14	42	30
45		6,5	1400	140	9	12	36	30
50		6,5	1600	150	9	12	36	30
60		7	2000	180	9	12	36	30
63		7	2100	190	9	12	36	30
75		8	2850	190	9	12	36	30
76	3	8,0	2900	210	9	12	36	30
80		8	2950	220	9	10	30	30
90		8,5	3500	250	9	10	30	30
100		8,5	3950	295	9	10	30	30
102	4	8,5	4000	300	9	10	30	30
120		9	5300	350	9	8	24	20
127	5	9	5800	370	9	7	21	20
152	6	9,5	6850	480	9	5	15	20



Suitable for the contact with foodstuff that requires a simulating liquid type A-B-C in accordance with 1935/2004 CE. Migration tests made at 40° C for 24 hours.

Vhodné pre kontakt s potravinami, kde je potrebná simulácia tekutín typu A-B-C podľa normy 1935/2004 CE. Test migrácie vykonaný pri 40°C po dobu 24hod..





## STRUCTURE

Dve vrstvy mäkkého PVC s ocelovou špirálou, ktorá je zaliata v prvej vrstve. Hadica je spevnená polyesterovými vláknami medzi prvou a druhou vrstvou. Hadica je priehľadná.

Two layers in soft PVC with steel spiral which is embedded in the first layer and with polyester reinforcement between the first and the second layer. Colour: clear transparent. Heavy duty quality.

Zwei Schichten aus Weich-PVC mit im ersten Schicht eingebetteter Stahldrahtspirale und mit Polyester-Einlage zwischen der ersten und zweiten Schicht. Farbe: glas-klar. Schwere Ausführung.

Fleksibel transparent PVC inn- og utvendig, stålspiral og Polyester armering.

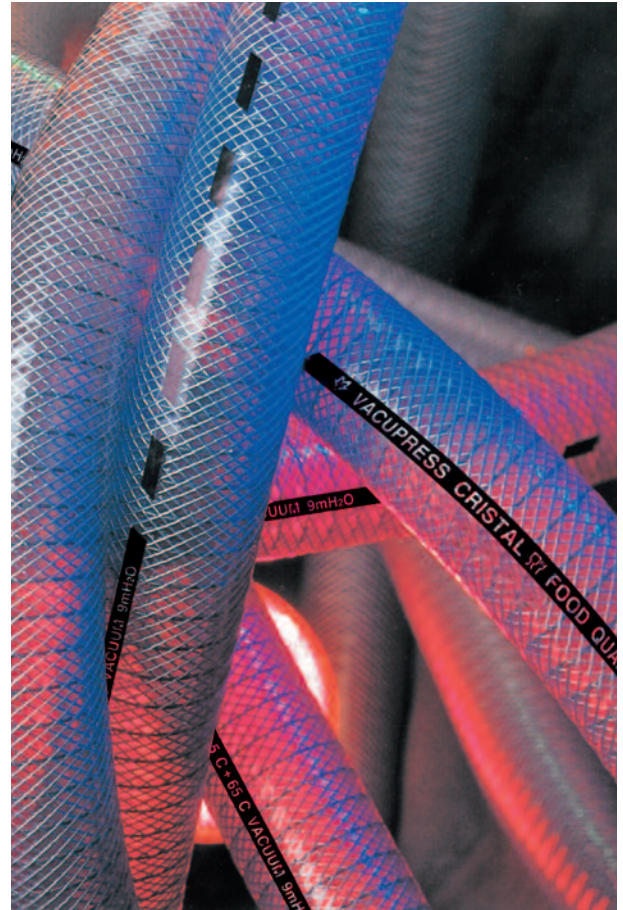
## CHARACTERISTICS

Flexibilná, pevná, abrazii odolná hadica podľa ISO 4649 do 90mm<sup>3</sup>. Hladký vnútorný aj vonkajší povrch. Pracovná teplota: -5°C + 65°C.

Flexible, very strong, resistant to abrasion according to ISO 4649 : mm<sup>3</sup> 90. Smooth inside and outside. Temperature range: -5° C +65° C.

Flexibel, sehr stark, Abriebfestigkeit nach ISO 4649 : mm<sup>3</sup> 90. Innen und außen glatt. Temperaturbereich : -5° C +65° C.

Meget slitesterk og fleksibel slange med slitsejgenskaper i henhold til ISO 4649 : < 90 mm<sup>3</sup>. Glatt innvendig og utvendig. Arbeidstemp. -5° C til +65° C.



VŠETKY TECHNICKÉ ÚDAJE PLATIA PRE TEPLoty DO 23°C. TOLERANCIA TECHNICKÝCH ÚDAJOV 5%

ALL TECHNICAL SPECIFICATIONS APPLY TO A TEMPERATURE OF 23° C ± 2° C (ISO 291) - TOLERANCE ON ALL SPECIFICATIONS ±5%.

## USE

Univerzálna hadica pre sanie a dopravu tekutých potravín, alkoholov do 28%, potravín, kde sú potrebné ťažké podmienky použitia.

Universal hose for suction and delivery of liquid foodstuffs, spirits to 28%, foodstuffs, where heavy use conditions are demanded.

Universalschlauch zum Durchleiten und Saugen von Nahrungsflüssigkeiten, alkoholischen Getränken bis 28%, Nahrungsmitteln, wo schwere Anwendungsbedingungen verlangt sind.

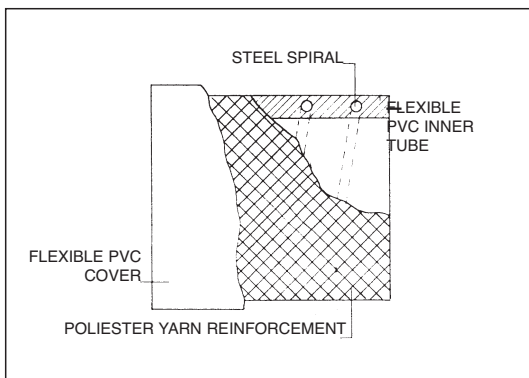
Universal suge- og trykkslange for transport av flyten de næringsmidler, alkohol opp til 28% samt næring smidler som er sterkt slitende.

Vnútorný I. D. InnenØ I.D. mm.		Hrúbka steny wall thickness Wandstärke Vegtykkelse mm.	Hmotnosť weight Gewicht Vekt gr./mtr.	Polomer ohybu bending radius Biegeradius Boyeradius mm.	Podtlak vacuum Unterdruck Vacuum m. H <sub>2</sub> O	Pracovný tlak working press Betriebsdruck Arb. Trykk bar a 23° C	Poruchový tlak bursting press. Berstdruck Sprengtrykk bar a 23° C	Výrobná dĺžka coil length Rollenlänge Std. Lengde mtr.
19		4,5	450	80	9	20	60	60
25	1	5,25	670	90	9	20	60	60
30		5,25	770	105	9	16	48	60
32		5,25	800	110	9	16	48	60
35		6,5	1100	125	9	14	42	60
38		6,5	1150	135	9	14	42	30
40		6,5	1200	140	9	14	42	30
45		6,5	1400	155	9	14	42	30
50		6,5	1600	170	9	14	42	30
60		7	1980	200	9	12	36	30
63		7	2050	210	9	12	36	30
76	3	8	2800	250	9	12	36	30
80		8	2850	300	9	10	30	30
90		8,25	3300	350	9	10	30	30
102	4	8,5	3900	400	9	10	30	30
120		9	4800	480	9	8	24	20
127	5	9	5200	500	9	7	21	20
152	6	9,5	6700	600	9	5	15	20



Suitable for the contact with foodstuff that requires a simulating liquid type A-B-C in accordance with 1935/2004 CE. Migration tests made at 40° C for 24 hours.

Vhodná pre dopravu potravín, kde je potrebná simulácia tekutín typu A-B-C podľa normy CE 1935/2005. Migrácia testovaná pri 40°C po dobu 24 hod..



## STRUCTURE

Hadica z termoplastovej gummy s pozinkovanou špirálou, vysoko odolná, spevnená polyesterovými vláknami. Táto štruktúra a materiály zabezpečujú vysokú odolnosť proti poškodeniu.

Hose made of thermoplastic rubber with galvanised steel helix, highly resistant, with polyester yarn reinforcement. This structure and material provide high resistance to kinking.

Druckbeständiger Schlauch aus thermoplastischem Kautschuk mit verzinkter Stahldrahtspirale und zusätzlicher Polyestergerarn - Einlage. Hoch biegsamer und knickfester Aufbau.

Slange i Termoplastisk gummi med galvanisert stålspiral og Polyester armering. Denne konstruksjonen og materialvalget gir en god motstand mot kinking.

## CHARACTERISTICS

Hadica je veľmi flexibilná. Hladký vnútorný aj vonkajší povrch. Pracovná teplota: -25°C + 80°C. Hadica môže byť čistená niekoľko minút pri teplote 110°C. Dobrá odolnosť voči detergentom. Odolnosť proti abrazii podľa ISO 4649 do 150mm<sup>3</sup>.

Hadica zabezpečuje maximálnu čistotu vzhľadom na hladký povrch a vnútornú vrstvu, ktorá zabraňuje vzniku baktérií.

The hose is very flexible. Smooth inside and outside. Operating temperature range: -25°C +80°C. The hose can be cleaned for few minutes at 110°C temperature. Good resistance to detergents. Resistant to abrasion according to ISO 4649 : mm<sup>3</sup> 150. The hose ensures the maximum hygiene, due to its smooth, white internal liner which prevents bacterial growth.

Hoch flexibler Schlauch. Außen und innen glatt. Temperaturbereich: -25°C +80°C. Kurzzeitige Reinigung bis 110°C möglich. Gute Beständigkeit gegen Reinigungsmitteln. Abriebfestigkeit nach ISO 4649 : mm<sup>3</sup> 150.

Slangen er meget fleksibel. Glatt innvendig og utvendig. Arbeidstemp. -25° C +80° C. Slangen kan vaskes ved 110° C i kortere perioder. God resistens mot vaskemidler. Sliitasjeegenskaper i henhold til ISO 4649 : mm<sup>3</sup> 150.

## USE

Hadica je vhodná na sanie a dopravu tekutín, kde sa požaduje vyššia odolnosť hadice než je za bežných podmienok. Vhodná pre: nakládky a vykládka cisterien, prečerpávanie mliečnych výrobkov, pri spracovaní a úprave rastlín.

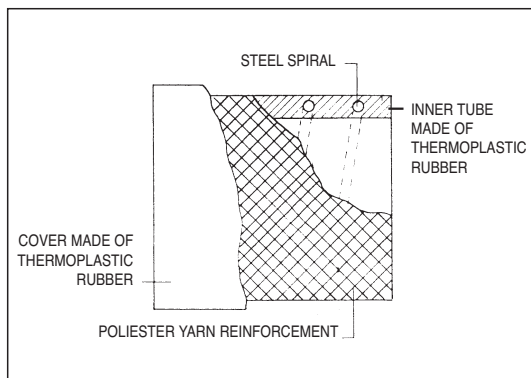
This hose is suitable for suction, delivery and transfer of liquids where a more resistant hose with higher specifications than normal is requested. Suitable for: collection and transport service by roadtanker, dairy unloading departments, dairy stationary machinery, processing and conditioning plants.

Dieser Schlauch ist zur Absaugung und Durchleitung von flüssigen Medien geeignet, wo eine höhere Beständigkeit notwendig ist. Oel-hydraulike und chemische Anlage. Be- und Entladung von Sammelwagen. Suge-/trykkslange for transport av flytende væsker hvor det er behov for høyere kjemikaliebestandighet. Oljer og kjemikalier. Tankbiler og fabrikker.

VŠETKY TECHNICKÉ ÚDAJE PLATIA PRE TEPLoty DO 23°C. TOLERANCIA ÚDAJOV 5%.

ALL TECHNICAL SPECIFICATIONS APPLY TO A TEMPERATURE OF 23° C ± 2° C (ISO 291) - TOLERANCE ON ALL SPECIFICATIONS ±5%.

JB- nr/b I. D. Innen Ø mm.		<math>\delta</math> V. U <sub>g</sub> th <sub>bm</sub> wall thickness Wandstärke Veggtykkelse mm.	gewicht weight Gewicht Vekt gr./mtr.	buigradius bending radius Biegeradius Bøyeradius mm.	vacuum vacuum Unterdruck Vacuum m. H <sub>2</sub> O	werkdruck working press Betriebsdruck Arb. Trykk bar a 23° C   bar a 60° C	barstdruk bursting press. Berstdruck Sprengtrykk bar a 23° C	rollenlänge coil length Rollenlänge Std. Lengde mtr.
19		4,5	380	70	9	15 8	45	60
25	1	5,25	580	80	9	14 6	42	60
30		5,25	650	85	9	10 6	30	60
32		5,25	700	90	9	10 6	30	60
35		6	850	95	9	10 6	30	60
38		6	920	100	9	10 6	30	30
40		6	970	110	9	10 6	30	30
45		6	1100	120	9	10 6	30	30
50		6,5	1280	130	9	10 5	30	30
60		6,5	1550	160	9	9 4	27	30
63		6,5	1600	180	9	9 4	27	30
76	3	7,5	2350	230	9	8 4	24	30
80		7,5	2400	250	9	8 4	24	30
90		8	2750	280	9	8 4	24	30
102	4	8	3100	310	9	7 3	21	30





PTFE hadice

## Úvod

Spoločnosť **KOHAFLEX** s.r.o. bola založená v roku 1992.

Predmetom činností je výroba celokovových tlakových hadíc z nehrdzavejúcej ocele, vlnovcových kompenzátorov, vysokotlakých hydraulických hadíc a PTFE hadíc.

Obchodná činnosť je zameraná na predaj priemyslených gumových a plastových hadíc, gumených a tkaninových kompenzátorov, priemyselných spojok, tepelno – izolačných materiálov a tesniacich prvkov. Spoločnosť KOHAFLEX vykonáva inžiniersku činnosť v oblasti kompenzácie potrubných rozvodov, aplikácií hadíc a iných nami ponúkaných výrobkov. Výrobky spoločnosti KOHAFLEX sú certifikované slovanskými štátnymi skúšbňami. Od roku 2002 má spoločnosť certifikovaný systém riadenia kvality **ISO 9001**.

## Použitie hadíc

PTFE hadice sú používané všade tam, kde je potrebná preprava média pod tlakom alebo vákuom pri vyšších prevádzkových teplotách (do 260°C). Vnútorňa vrstva z PTFE zabezpečuje hadiciam výbornú chemickú odolnosť a preto nachádzajú uplatnenie taktiež v chemickom, farmaceutickom a potravinárskom priemysle.

## Materiál hadíc

Hadice sú vyrobené s PTFE (polytetraflóuretylén), ktorý má veľmi dobrú chemickú odolnosť a taktiež tepelnú odolnosť (od -70°C do 260°C).

**Materiál opletenia** Tlakovú a mechanickú odolnosť hadice zabezpečuje vonkajší oplet, ktorý môže byť vyrobený z nasledovných materiálov:

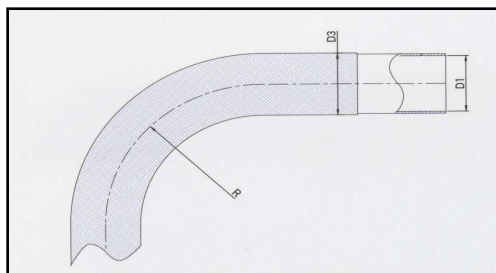
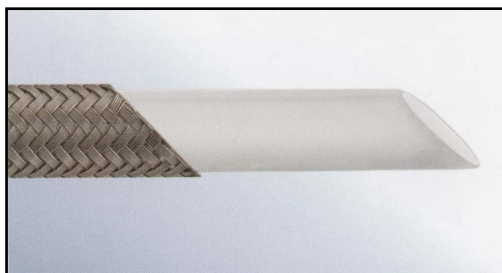
- AISI 304
- Polypropylén

**Materiál koncoviek** Na PTFE hadice môžu byť armované koncovky z uhlíkovej alebo nehrdzavejúcej ocele v závislosti od požiadavky zákazníka. Pre agresívne médiá sa dodávajú koncovky s PTFE lemom, aby sa zabránilo styku agresívneho média s kovovými časťami koncovky. Koncovky môžu byť závitové alebo prírubové podľa požiadavky zákazníka.

## PH2030T – PHA2030T

**Konštrukcia:** PTFE hadica s hladkou vnútornou vrstvou, strednou hrúbkou steny a s jedným vonkajším opletom z materiálu AISI 304.

**Prevádzková teplota:** od -70°C až do 260°C

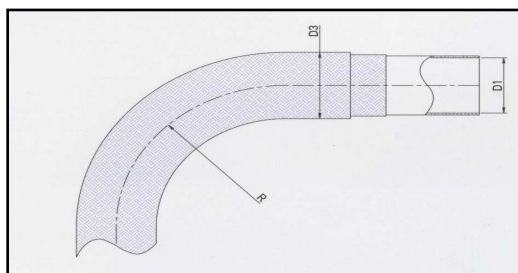
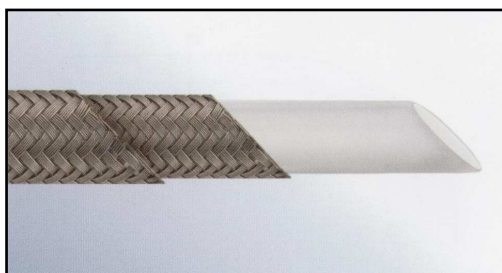


Svetlosť	Vnútorný priemer [mm]	Vonkajší priemer [mm]	Prevádzkový tlak [bar]	Deštručný tlak [bar]	Hmotnosť [gr / m]	Označenie	
			Pri 20°C			Čistý	Antistatický
1/4"	6,35	8,9	175	700	87	PH2030T-06	PHA2030T-06
5/16"	8,00	10,9	150	600	126	PH2030T-08	PHA2030T-08
3/8"	9,50	12,4	135	540	145	PH2030T-10	PHA2030T-10
1/2"	12,7	15,7	120	480	212	PH2030T-12	PHA2030T-12
5/8"	16,00	19,1	100	400	260	PH2030T-16	PHA2030T-16
3/4"	19,00	22,2	90	360	321	PH2030T-20	PHA2030T-20
1"	25,40	29,30	65	260	450	PH2030T-25	PHA2030T-25

## PH2033T – PHA2033T

**Konštrukcia:** PTFE hadica s hladkou vnútornou vrstvou a dvojším vonkajším opletom z materiálu AISI 304.

**Prevádzková teplota:** od -70°C až do 260°C

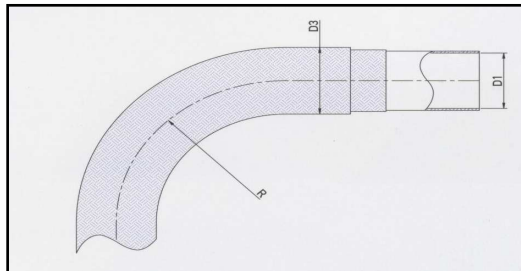
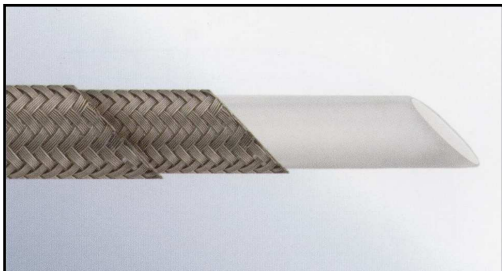


Svetlosť	Vnútorný priemer [mm]	Vonkajší priemer [mm]	Prevádzkový tlak [bar]	Deštručný tlak [bar]	Hmotnosť [gr / m]	Označenie	
			Pri 20°C			Čistý	Antistatický
1/4"	6,0	9,9	365	1100	1,37	PH2033T-06	PHA2033T-06
5/16"	7,5	12,1	300	900	1,57	PH2033T-08	PHA2033T-08
3/8"	9,1	13,7	285	850	1,96	PH2033T-10	PHA2033T-10
1/2"	12,3	16,85	250	750	2,75	PH2033T-12	PHA2033T-12
5/8"	15,3	20,0	235	700	4,33	PH2033T-16	PHA2033T-16
3/4"	18,4	23,15	200	600	7,10	PH2033T-20	PHA2033T-20
1"	24,6	30,4	150	450	9,44	PH2033T-25	PHA2033T-25

## PH1B- PH1AB

**Konštrukcia:** PTFE hadica s hladkou vnútornou vrstvou, so silnou hrúbkou steny a s jedným vonkajším opletom z materiálu AISI 304, s vyššou tlakovou odolnosťou.

**Prevádzková teplota:** od -70°C až do 260°C



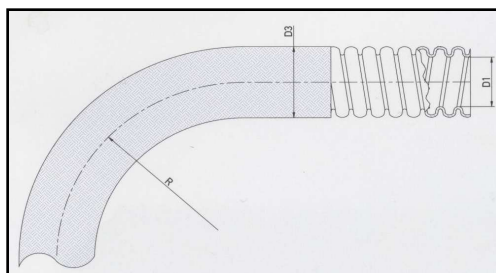
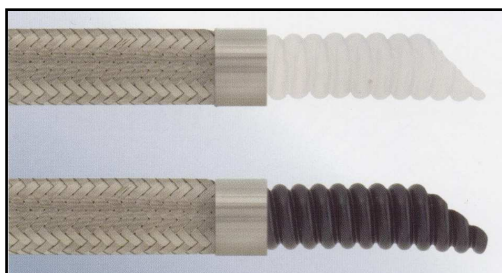
Svetlosť	Vnútorný priemer min-max [mm]	Vonkajší priemer [mm]	Prevádzkový tlak [bar]	Deštručný tlak [bar]	Hmotnosť [gr / m]	Označenie	
			Pri 20° C			Čistý	Antistatický
1/4"	6,45-6,96	8,83- 9,86	224	672	92	PH1B-06	PH1AB-06
5/16"	8,15- 8,66	10,54- 11,56	207	621	141	PH1B-08	PH1AB-08
3/8"	9,93- 10,64	12,78- 14,10	183	552	148	PH1B-10	PH1AB-10
1/2"	13,06- 13,36	15,88- 17,22	161	483	249	PH1B-12	PH1AB-12
5/8"	16,10- 17,12	18,95- 20,57	114	345	290	PH1B-16	PH1AB-16
3/4"	19,30- 20,32	22,15- 23,77	103	310	339	PH1B-20	PH1AB-20
1"	25,60- 26,62	28,45- 30,07	80	241	461	PH1B-25	PH1AB-25

## PHCB1 – PHACB1

**Konštrukcia:** PTFE hadica s vlnovcovou (špirálovou) vnútornou vrstvou a vonkajším opletom z materiálu AISI 304.

**Prevádzková teplota:** od -70°C až do 260°C

**Použitie:** Všade tam, kde je požadovaná odolnosť hadice na tlak, alebo podtlak a zároveň flexibilita hadice.



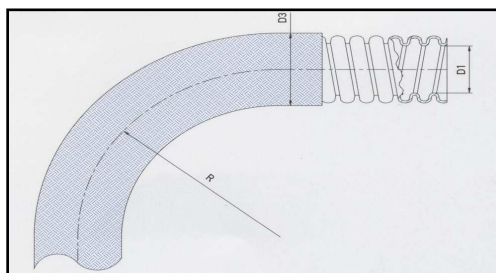
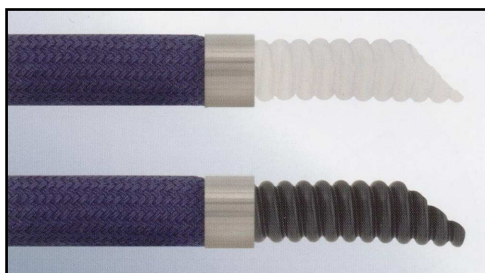
Svetlosť	D1 [mm]		D3 [mm]		R [mm]	WP [bar]	BP [bar]	Vacuum [mbar]	Označenie	
	Min	Max	Min	Max					Čistý	Antistatický
1/4"	5,5	6,9	9,9	11,5	25	35	170	744	PHCB1-06	PHACB1-06
3/8"	8,5	10,5	13,2	14,7	25	35	170	744	PHCB1-10	PHACB1-10
1/2"	11,6	13,6	12,9	14,4	25	50	250	887	PHCB1-12	PHACB1-12
5/8"	15,1	16,4	16,2	17,5	35	35	170	887	PHCB1-16	PHACB1-16
3/4"	19,5	20,5	28,6	31,4	55	60	290	887	PHCB1-20	PHACB1-20
1"	24,5	25,5	34,2	38,2	85	40	210	887	PHCB1-25	PHACB1-25
1 1/4"	31,5	32,5	41,9	46,1	100	45	210	887	PHCB1-32	PHACB1-32
1 1/2"	36,5	37,5	47,2	49,9	120	40	175	887	PHCB1-40	PHACB1-40
1 3/4"	44,5	45,5	55,8	61,4	135	25	135	887	PHCB1-45	PHACB1-45
2"	49,5	50,5	60,5	66,7	165	25	135	887	PHCB1-50	PHACB1-50
2 1/2"	62,5	63,5	80,9	89,1	230	14	60	887	PHCB1-65	PHACB1-65
3"	73,5	74,5	90,4	99,6	269	12	65	887	PHCB1-80	PHACB1-80
4"	94,5	99,5	121,1	127,5	300	10	40	887	PHCB1-100	PHACB1-100
6"	150	154	189	189	520	6	24	554	PHCB1-150	PHACB1-150

## PHCB6 – PHACB6

**Konštrukcia:** PTFE hadica s vlnovcovou (špirálovou) vnútornou vrstvou, strednou hrúbkou steny a vonkajším opletom z polypropylénu.

**Prevádzková teplota:** od -70°C až do 260°C

**Použitie:** Všade tam, kde je požadovaná dobrá flexibilita a nízka hmotnosť hadice pri doprave média pod tlakom.



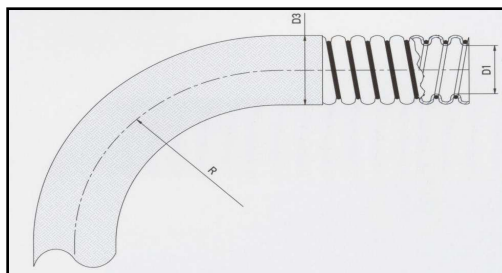
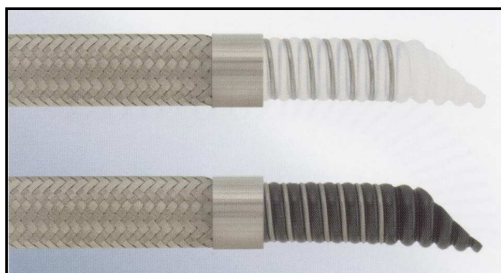
Svetlosť	D1 [mm]		D3 [mm]		R [mm]	WP [bar]	BP [bar]	Vacuum [mbar]	Označenie	
	Min	Max	Min	Max					Čistý	Antistatický
1/2"	11,6	13,6	21,4	23,4	50	10	40	887	PHCB6-12	PHACB6-12
5/8"	15,1	16,4	26,3	28,2	65	10	40	887	PHCB6-16	PHACB6-16
3/4"	19,5	20,5	31,1	33,9	55	10	40	887	PHCB6-20	PHACB6-20
1"	24,5	25,5	36,7	40,7	85	10	40	887	PHCB6-25	PHACB6-25
1 1/4"	31,5	32,5	44,4	48,6	100	10	40	887	PHCB6-32	PHACB6-32
1 1/2"	36,5	37,5	49,7	52,4	120	10	40	887	PHCB6-40	PHACB6-40
1 3/4"	44,5	45,5	58,3	63,9	135	10	40	887	PHCB6-45	PHACB6-45
2"	49,5	50,5	62,5	69,2	165	10	40	887	PHCB6-50	PHACB6-50
2 1/2"	62,5	63,5	83,4	91,6	230	7	28	887	PHCB6-65	PHACB6-65
3"	73,5	74,5	92,9	102,2	260	6	24	887	PHCB6-80	PHACB6-80

## PHCWB1 – PHACWB1

**Konštrukcia:** Vlnovcová, tlakovosacia PTFE hadica s vonkajšou špirálou voči podtlaku a vonkajším opletom z materiálu AISI 304.

**Prevádzková teplota:** od -70°C až do 260°C

**Použitie:** Pre dopravu pary alebo iných médií, kde je požadovaná vysoká odolnosť voči vákuu.



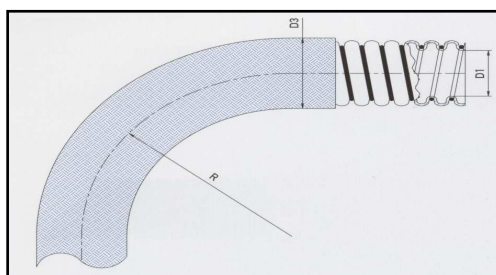
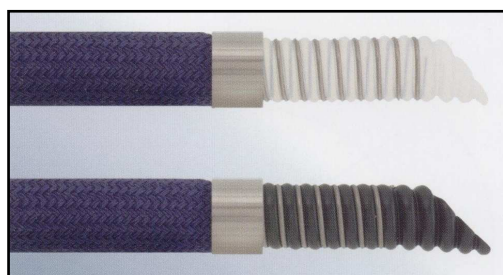
Svetlosť	D1 [mm]		D3 [mm]		R [mm]	WP [bar]	BP [bar]	Vacuum [mbar]	Označenie	
	Min	Max	Min	Max					Čistý	Antistatický
1/4"	5,5	6,9	9,9	11,5	25	35	170	744	PHCWB1-06	PHACWB1-06
3/8"	8,5	10,5	13,2	14,7	25	35	170	744	PHCWB1-10	PHACWB1-10
1/2"	11,6	13,6	12,9	14,4	25	35	170	947	PHCWB1-12	PHACWB1-12
5/8"	15,1	16,4	16,2	17,5	35	35	170	947	PHCWB1-16	PHACWB1-16
3/4"	19,5	20,5	28,6	31,4	55	60	290	947	PHCWB1-20	PHACWB1-20
1"	24,5	25,5	34,2	38,2	85	40	210	947	PHCWB1-25	PHACWB1-25
1 1/4"	31,5	32,5	41,9	46,1	100	45	210	947	PHCWB1-32	PHACWB1-32
1 1/2"	36,5	37,5	47,2	49,9	120	40	175	947	PHCWB1-40	PHACWB1-40
1 3/4"	44,5	45,5	55,8	61,4	135	25	135	947	PHCWB1-45	PHACWB1-45
2"	49,5	50,5	60,5	66,7	165	25	135	947	PHCWB1-50	PHACWB1-50
2 1/2"	62,5	63,5	80,9	89,1	230	14	60	947	PHCWB1-65	PHACWB1-65
3"	73,5	74,5	90,4	99,6	269	12	65	947	PHCWB1-80	PHACWB1-80
4"	94,5	99,5	121,1	127,5	300	10	40	947	PHCWB1-100	PHACWB1-100
6"	150	154	189	189	520	6	24	554	PHCWB1-150	PHACWB1-150

## PHCWB6 – PHACWB6

**Konštrukcia:** Vlnovcová, tlakovosacia PTFE hadica s vonkajšou špirálou voči podtlaku a vonkajším opletom z polypropylénu.

**Prevádzková teplota:** od -70°C až do 260°C

**Použitie:** Všade tam, kde je požadovaná dobrá flexibilita a nízka hmotnosť hadice pri dopravě média pod tlakom.



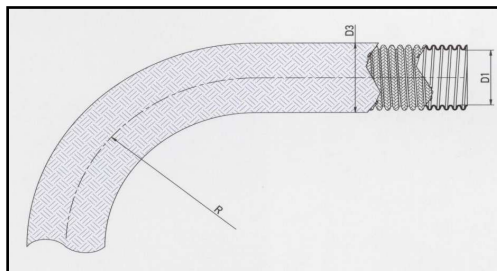
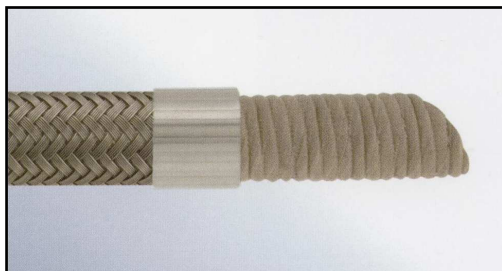
Svetlosť	D1 [mm]		D3 [mm]		R [mm]	WP [bar]	BP [bar]	Vacuum [mbar]	Označenie	
	Min	Max	Min	Max					Čistý	Antistatický
1/2"	11,6	13,6	21,4	23,4	50	10	40	887	PHCWB6-12	PHACWB6-12
5/8"	15,1	16,4	26,3	28,2	65	10	40	887	PHCWB6-16	PHACWB6-16
3/4"	19,5	20,5	31,1	33,9	55	10	40	887	PHCWB6-20	PHACWB6-20
1"	24,5	25,5	36,7	40,7	85	10	40	887	PHCWB6-25	PHACWB6-25
1 1/4"	31,5	32,5	44,4	48,6	100	10	40	887	PHCWB6-32	PHACWB6-32
1 1/2"	36,5	37,5	49,7	52,4	120	10	40	887	PHCWB6-40	PHACWB6-40
1 3/4"	44,5	45,5	58,3	63,9	135	10	40	887	PHCWB6-45	PHACWB6-45
2"	49,5	50,5	62,5	69,2	165	10	40	887	PHCWB6-50	PHACWB6-50
2 1/2"	62,5	63,5	83,4	91,6	230	7	28	887	PHCWB6-65	PHACWB6-65
3"	73,5	74,5	92,9	102,2	260	6	24	887	PHCWB6-80	PHACWB6-80

## PHCS1 – PHACS1

**Konštrukcia:** Vlnovcová PTFE hadica vystužená vláknami so sklenených vlákien a s vonkajším opletom z materiálu AISI 304.

**Prevádzková teplota:** od -70°C až do 260°C

**Použitie:** Hadica má vyššiu tlakovú odolnosť, ktorú zabezpečuje výstuž so sklenených vlákien.



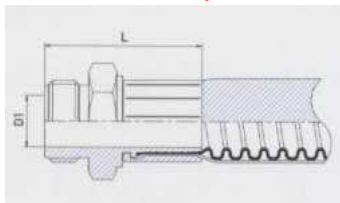
Svetlosť	D1 [mm]	D3 [mm]	R [mm]	WP [bar]	BP [bar]	Označenie	
				Pri 20°C		Čistý	Antistatický
3/8"	9,5	15,62	25	69	276	PHCS1-10	PHACS1-10
1/2"	12,7	32,25/19,93	38	86	345	PHCS1-12	PHACS1-12
5/8"	16,00	23,03	51	96	386	PHCS1-16	PHACS1-16
3/4"	19,05	26,67	64	76	303	PHCS1-20	PHACS1-20
1"	25,40	32,25	76	69	276	PHCS1-25	PHACS1-25
1 1/4"	31,75	39,88	89	69	276	PHCS1-32	PHACS1-32
1 1/2"	38,10	45,97	114	52	207	PHCS1-40	PHACS1-40
2"	50,80	58,93	133	34	135	PHCS1-50	PHACS1-50

### Vonkajšie ochrany pre PTFE hadice:

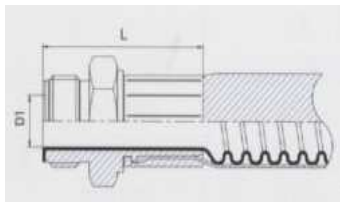
1. **Kruhovú špirálu** z materiálu AISI 304, ktorá chráni hadicu pred poškodením vonkajšieho opletu oterom.
2. **Plasťovú špirálu** z PVC pre hadice, ktoré sa dotýkajú stroja, alebo dochádza k oteru viacerých hadíc.
3. **Gumený rukáv** ako ochrana po celej dĺžke hadice, ktorá chráni hadicu pred poškodením oterom. Pracovná teplota do 120°C.
4. **Silikónový rukáv** po celej dĺžke hadice, ktorý zabezpečuje hladký vonkajší povrch a jednoduché čistenie. Vhodné hlavne v potravinárskom a farmaceutickom priemysle.
5. **Rukáv CB30** – ochrana zo sklenených vlákien odolná sálavému teplu do 550°C.
6. **Rukáv BB51** – ochrana z keramických vlákien vystužená sklom odolná sálavému teplu do 700°C.
7. **Rukáv BB52** – ochrana z keramických vlákien vystužená inconelom odolná sálavému teplu do 1100°C.
8. **Rukáv PYROTEX** – ochrana zo sklenených vlákien so silikónovým povrchom odolná voči rozstrekú tekutého kovu.

## KONCOVKY PRE PTFE HADICE

### AGF X – s vonkajším BSP závitom

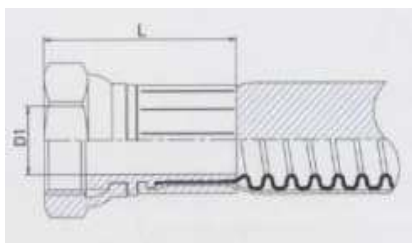


### AGF XL – s vonkajším BSP závitom a PTFE lemom

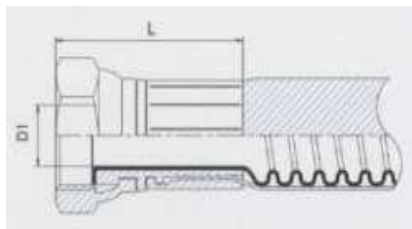


DN		Závit	D1 mm	L mm
mm	In.			
06	1/4	1/4"		
08	5/16	5/16"		
10	3/8	3/8"		
12	1/2	1/2"		
16	5/8	1/2"		
16	5/8	5/8"		
20	3/4	5/8"		
20	3/4	3/4"		
25	1	1"		
32	1 1/4	1 1/4"		
40	1 1/2	1 1/2"		
50	2	2"		
65	2 1/2	2 1/2"		
80	3	3"		
100	4	4"		

### DKF X – s vnútorným BSP závitom

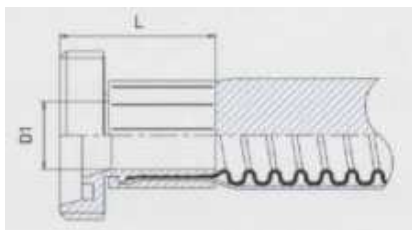


### DKF XL – s vnútorným BSP závitom a PTFE lemom

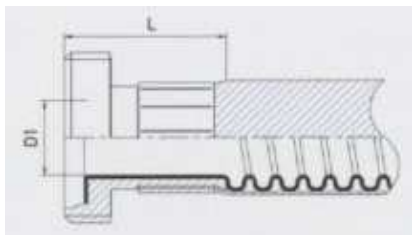


DN		Závit	D1 mm	L mm
mm	In.			
06	1/4	1/4"		
08	5/16	5/16"		
10	3/8	3/8"		
12	1/2	1/2"		
16	5/8	1/2"		
16	5/8	5/8"		
20	3/4	5/8"		
20	3/4	3/4"		
25	1	1"		
32	1 1/4	1 1/4"		
40	1 1/2	1 1/2"		
50	2	2"		
65	2 1/2	2 1/2"		
80	3	3"		
100	4	4"		

### AKD X – s vonkajším závitom podľa normy DIN 11851



### AKD XL – s vonkajším závitom podľa normy DIN 11851 a PTFE lemom



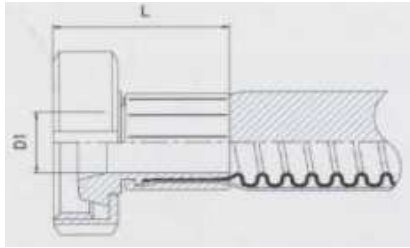
DN		Závit	D1 mm	L mm
mm	In.			
25	1	Rd 52x 1/6"	21,0	66,5
32	1 1/4	Rd 58 x 1/6"	27,0	63,5
40	1 1/2	Rd 65 x 1/6"	32,0	67
50	2	Rd 78 x 1/6"	43,0	74
65	2 1/2	Rd 95 x 1/6"	57,5	86,5
80	3	Rd 110 x 1/4"	70,2	94
100	4	Rd 130 x 1/4"	95,6	105

### Materiálový index:

X = 1 galvanizovaná oceľ

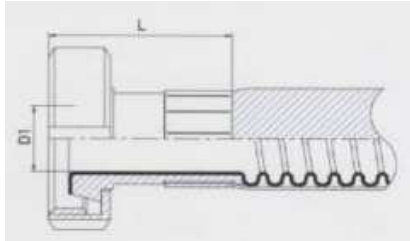
X = 3 AISI 304

### DKD X – s vnútorným závitom podľa normy DIN 11851

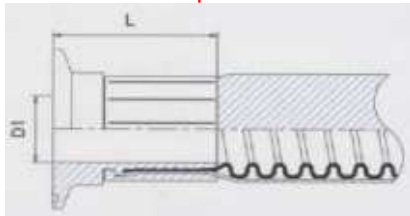


DN		Závit	D1 mm	L mm
mm	In.			
25	1	Rd 52x 1/6"	21,0	66,5
32	1 1/4	Rd 58 x 1/6"	27,0	63,5
40	1 1/2	Rd 65 x 1/6"	32,0	67
50	2	Rd 78 x 1/6"	43,0	74
65	2 1/2	Rd 95 x 1/6"	57,5	86,5
80	3	Rd 110 x 1/4"	70,2	94
100	4	Rd 130 x 1/4"	95,6	105

### DKD XL – s vnútorným závitom podľa normy DIN 11851 a PTFE lemom

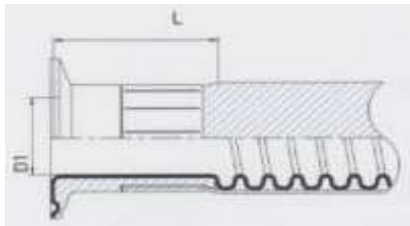


### TRI X – Tri-clamp koncovka



DN		D1 mm	L mm
mm	In.		
10	3/8	7,0	51,5
12	1/2	10,0	51,5
16	5/8	13,0	55
20	3/4	15,0	58,5
25	1	21,0	66,5
32	1 1/4	27,0	63,5
40	1 1/2	32,0	67,0
50	2	43,0	74,0
65	2 1/2	57,5	87,5
80	3	70,2	91,0
100	4	95,6	101,50

### TRI XL – Tri-clamp koncovka s PTFE lemom

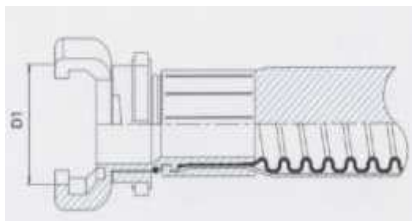


#### Materiálový index:

X = 1 galvanizovaná oceľ

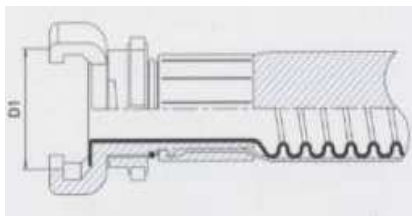
X = 3 AISI 304

## GSG X – Symetrická koncovka

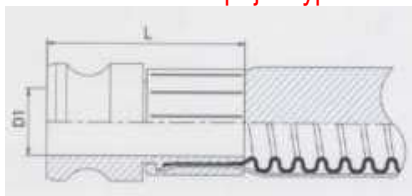


DN		D1 mm
mm	ln.	
<b>12</b>	1/2	26,0
<b>20</b>	3/4	32,0
<b>25</b>	1	37,5
<b>32</b>	1 1/4	42,5
<b>40</b>	1 1/2	55,0
<b>50</b>	2	69,0
<b>65</b>	2 1/2	84,0
<b>80</b>	3	103,0
<b>100</b>	4	123,0

## GSG XL – Symetrická koncovka s PTFE lemom

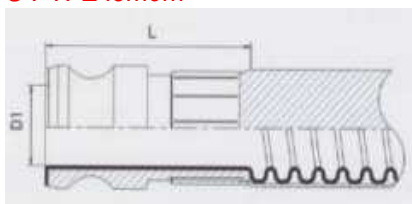


## CGE X – Kamlok spojka typ E

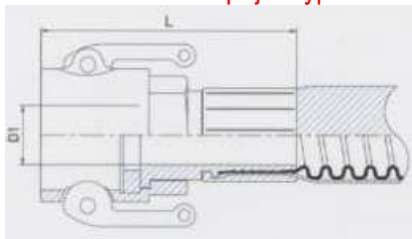


DN		D1 mm	L mm
mm	ln.		
<b>20</b>	3/4	15,0	69,9
<b>25</b>	1	21,0	85,9
<b>32</b>	1 1/4	27,0	89,1
<b>40</b>	1 1/2	32,0	94,20
<b>50</b>	2	43,0	107,50
<b>65</b>	2 1/2	57,5	119,7
<b>80</b>	3	70,2	124,8
<b>100</b>	4	95,6	136,8

## CGE XL – Kamlok spojka typ E s PTFE lemom

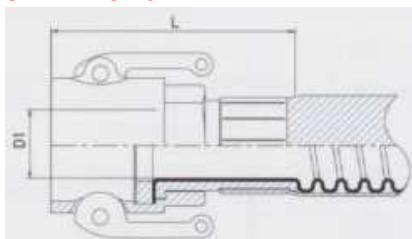


## CGC X – Kamlok spojka typ C



DN		D1 mm	L mm
mm	ln.		
<b>20</b>	3/4	15,0	<b>20</b>
<b>25</b>	1	21,0	<b>25</b>
<b>32</b>	1 1/4	27,0	<b>32</b>
<b>40</b>	1 1/2	32,0	<b>40</b>
<b>50</b>	2	43,0	<b>50</b>
<b>65</b>	2 1/2	57,5	<b>65</b>
<b>80</b>	3	70,2	<b>80</b>
<b>100</b>	4	95,6	<b>100</b>

## CGC XL – Kamlok spojka typ C s PTFE lemom

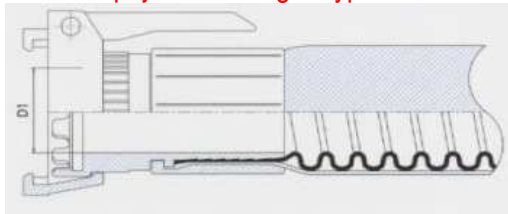


### Materiálový index:

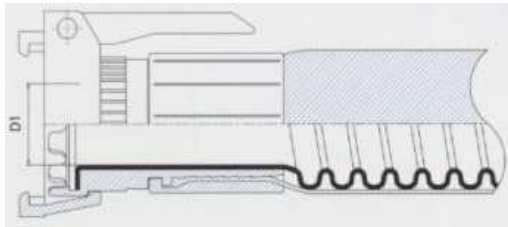
**X = 1** galvanizovaná ocel'

**X = 3** AISI 304

### MK X – spojka Tankwagen typ MK

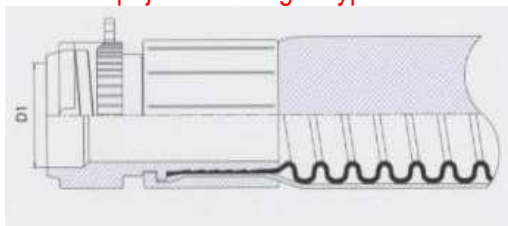


### MK XL – spojka Tankwagen typ MK S PTFE lemom

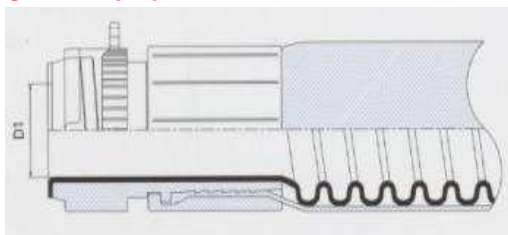


DN		D1 mm
mm	ln.	
50	2	43,0
80	3	70,2

### WK X – spojka Tankwagen typ VK



### VK XL – spojka Tankwagen typ VK S PTFE lemom



DN		D1 mm
mm	ln.	
50	2	43,0
80	3	70,2

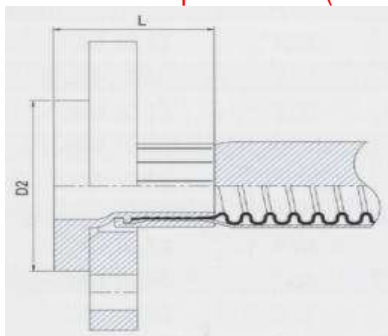
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#### Materiálový index:

X = 1 galvanizovaná ocel'

X = 3 AISI 304

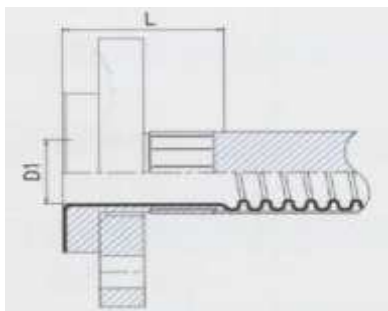
**VP X** – otočná príruha DIN (PN10/16) alebo ASA (150lbs, 300lbs)



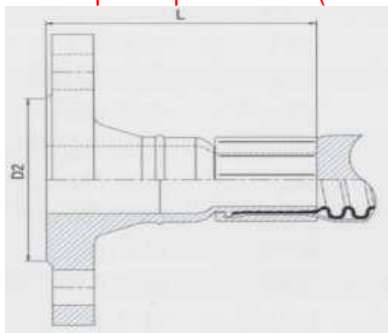
PN10/16 DIN 2642

DN		D1 mm	D2 mm	L mm
mm	In.			
12	1/2	15,5	45,0	53,4
20	3/4	20,5	58,0	55,6
25	1	25,6	68,0	60,4
32	1 1/4	34,3	78,0	62,45
40	1 1/2	39,8	88,0	64,75
50	2	51,7	102,0	75,3
65	2 1/2	63,6	122,0	83,2
80	3	79,5	138,0	86,7
100	4	104,5	158,0	91,9

**VP XL** – otočná príruha DIN (PN10/16) alebo ASA (150lbs, 300lbs) s PTFE lemom



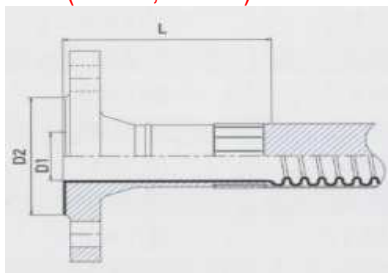
**PP X** – pevná príruha DIN (PN10/16) alebo ASA (150lbs, 300lbs)



PN10/16 DIN 2642

DN		D1 mm	D2 mm	L mm
mm	In.			
12	1/2	15,5	45,0	53,4
20	3/4	20,5	58,0	55,6
25	1	25,6	68,0	60,4
32	1 1/4	34,3	78,0	62,45
40	1 1/2	39,8	88,0	64,75
50	2	51,7	102,0	75,3
65	2 1/2	63,6	122,0	83,2
80	3	79,5	138,0	86,7
100	4	104,5	158,0	91,9

**PP XL** – pevná príruha DIN (PN10/16) alebo ASA (150lbs, 300lbs) s PTFE lemom



V prípade, že ste nenašli požadované koncovky v katalógu, prosím kontaktujte nás.

**Materiálový index:**

**X = 1** galvanizovaná oceľ

**X = 3** AISI 304



## Kompozitné hadice



**KOHAFLEX spol. s r.o.**  
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www.kohaflex.sk

**KOHAFLEX CZ spol. s r.o.**  
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703 00 Ostrava - Vítkovice  
tel.: 00420 59 595 5330  
fax: 00420 59 595 5710  
e-mail: kohaflex.cz@cmail.cz

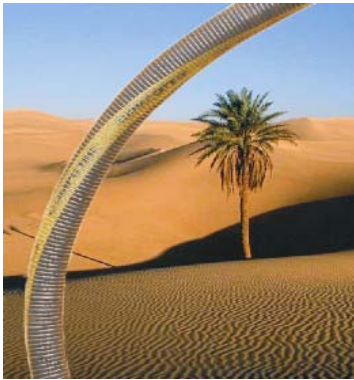
**NEXT**

Kompozitné hadice sú určené pre:



### **Petrochemický priemysel**

Stáčanie ropných produktov ako sú napr. benzín, nafta, bionafta, oleje, letecké palivá s obsahom aromatických látok do 100% .



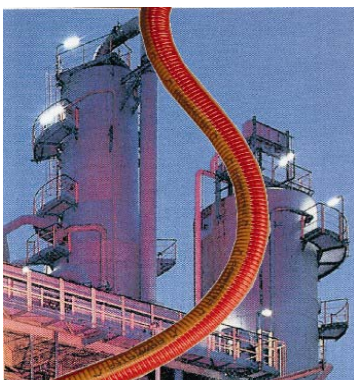
### **Petrochemický priemysel - špeciálny**

Stáčanie a doprava horúceho asfaltu alebo dechtu do teploty  $+200^{\circ}\text{C}$ .  
Stáčanie a doprava horúceho mazutu do napr.  $+100^{\circ}\text{C}$  až  $+190^{\circ}\text{C}$ .



### **Chemický priemysel**

Stáčanie chemických produktov, koncentrovaných kyselín, zásad, farieb a riedidiel, ale aj ropných produktov.



### **Technické plyny**

Doprava technických plynov ako sú napr.: dusík, hélium, zemný plyn, atď..

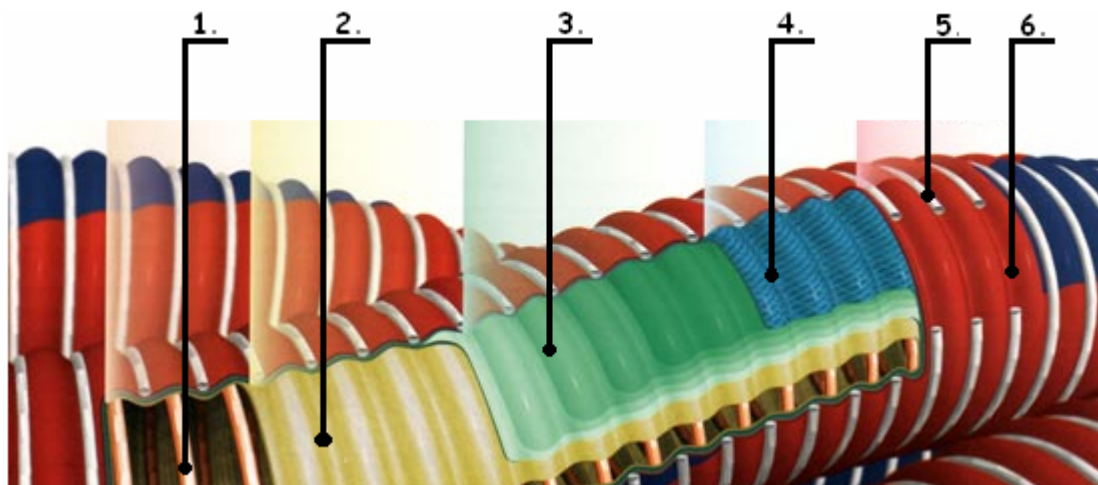
**NEXT**

## Použitie kompozitných hadíc:



Kompozitné hadice sa aplikujú v prevádzkach, kde sú kladené vysoké nároky na maximálnu flexibilitu, minimálnu hmotnosť a maximálnu odolnosť hadice voči médiu. Preto sú najviac používané ako stáčacie hadice, kde sa predpokladá častá manipulácia ako napr. stáčanie z auto cisterien, železničných cisterien alebo pri plnení zo stáčacích miest a podobne.

## Zloženie kompozitných hadíc:



1 – vnútorná špirála  
2 – vnútorná špirála  
3 – ochranná fólia

4 – polyesterová fólia  
5 – vonkajšia špirála  
6 – vonkajšia fólia – impregnované PVC

**Vnútorné špirály a fólie** sú vždy z materiálu, ktorý odoláva danému médiu  
**Vonkajšia vrstva a špirála** slúži pre ochranu hadice (odieranie, stárnutie).

Hadice s uvedenou konštrukciou zaručujú maximálnu flexibilitu pri minimálnej hmotnosti.

Zloženia špirál a fólií nie sú rovnaké pre všetky médiá, preto pre každé médium navrhujeme zloženie hadice, ktorým dosiahneme čo najdlhšiu životnosť a funkčnosť hadice a preto Vám doporučujem odbornú konzultáciu.

## Prehľad materiálov pre kompozitné hadice:

### Špirály (vonkajšie aj vnútorné):

- galvanizovaná oceľ
- nerezová oceľ
- hliník
- polypropylén
- galvanizovaná oceľ v polypropylénovom púzdre

### Vnútorné fólie:

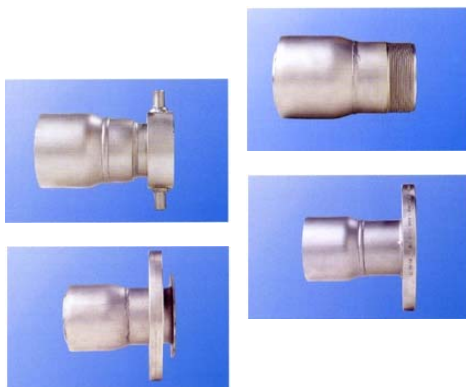
- polypropylén
- polyamid
- teflón
- polyuretán

### Vonkajšie fólie:

- Polyesterová textília impregnovaná PVC
- Polyesterová textília impregnovaná silikónom

## Koncovky kompozitných hadíc

Kompozitné hadice sa štandardne dodávajú s vonkajšími závitmi, ale na požiadavku zákazníka dokážeme dodať aj iné ukončenie kompozitnej hadice.



### Koncovky:

Vonkajší závit

- Štandardné trubkové závit
- materiál mosadz, nerez, hliník, PP

Prievlečné matice

- závit podľa požiadavky zákazníka
- materiál: mosadz, galv. oceľ, nerez

Pevná a otočné príruby

- podľa noriem DIN alebo ANSI
- materiál: mosadz, galv. oceľ, nerez, PP



### Armatúry:

Tankovacie armatúry TW TANKER DIN29450

- Kompletný sortiment MK, VK, VB, MB
- materiál: mosadz, nerez

Tankovacie armatúry GUILLEMIN

- tzv. francúzske spojky
- materiál: mosadz, nerez, hliník

Rýchlospojky KAMLOK

- podľa noriem DIN alebo MIL
- materiál: mosadz (bronz), nerez, hliník, PP

## Prehľad technických parametrov pre kompozitné hadice:



### Výrobné svetlosti hadíc

Priemer		Rádus
(mm)	(inch)	ohybu
20	3/4"	60 mm
25	1"	65 mm
32	1 1/4"	70 mm
38	1 1/2"	100 mm
50	2"	180 mm
65	2 1/2"	220 mm
80	3"	280 mm
100	4"	340 mm
125	5"	410 mm
150	6"	510 mm
200	8"	750 mm
250	10"	930 mm

### Výrobné dĺžky

Štandardne sa používajú nasledovné dĺžky hadíc: 2m, 3m, 4m, 5m, 6m. Samozrejme na základe požiadavky sme schopný vyrobiť aj hadice neštandardnej dĺžky (napr. 5,4m ) a to až do dĺžky 30 metrov.

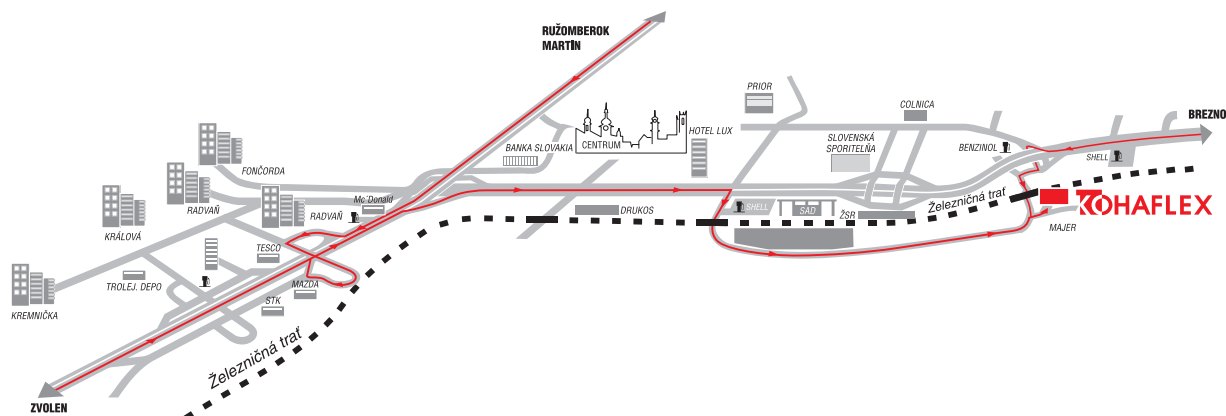
### Pracovný tlak

Tlak		
Bar	MPa	Psi
7 bar	0,7 MPa	105 Psi
10 bar	1,0 MPa	150 Psi
14 bar	1,4 MPa	210 Psi

V prípade, akýchkoľvek nejasností a požiadaviek na kompozitné hadice kontaktujte našu spoločnosť.



Spoločnosť KOHAFLEX je držiteľom Certifikátu riadenia kvality ISO 9001.



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