



# **ПРОМЫШЛЕННЫЕ ШЛАНГИ**



- Шланги для воды
- Шланги пищевые
- Шланги для пара и горячей воды
- Шланги для сжатого воздуха
- Шланги для сварочного оборудования
- Шланги универсальные
- Шланги для строительства
- Шланги с большими диаметрами
- Шланги химические и топливные
- Другие промышленные шланги



# ШЛАНГИ ДЛЯ ВОДЫ

# AQUAPAL®

## The highly flexible hose for potable water



**Marking:** yellow wavy line on blue cover, longitudinally applied, interrupted by the wording "AQUAPAL Trinkwasserschlauch PN 20 KTW "A" und DVGW - W270 geprüft"

### Application:

The ideal hose whenever it comes to conveying potable water in the food and beverage industry, for camping and caravanning, for filling potable water storage tanks, in large-scale catering establishments, for maintaining domestic emergency supplies, at public festivals and for many more applications. The special transparent, plastic inner lining free of plasticisers is homogeneous, smooth and absolutely neutral to taste and odour.

AQUAPAL® meets all the German recommendations and regulations for the transport of potable water.

### Description:

- ▶ absolutely neutral to taste and odour
- ▶ temperature range from -20°C up to +90°C
- ▶ can be steamed up to +130°C
- ▶ reinforcements: synthetic fibres
- ▶ highly flexible, can be overrun\*
- ▶ meets the KTW recommendation, category "A" and DVGW – W270
- ▶ NBR-cover resistant to abrasion, UV, fats and oils
- ▶ 3 years warranty\*\*

\* except construction with steel wire helix.

\*\* The 3 years' warranty with regard to AQUAPAL® refers to faulty material and manufacture provided that couplings have been fitted by experts, that the recommended working conditions have been respected and that the hose has been used properly.

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure*** bar	Minimum burst pressure*** bar	Minimum bending radius approx. mm	Weight approx. g/m
1/6	4	2,5	20	≥ 60	25	75
1/3	8	3,0	20	≥ 60	50	140
3/8	10	3,6	20	≥ 60	60	210
1/2	13	3,6	20	≥ 60	75	250
5/8	16	3,6	20	≥ 60	95	300
3/4	19	4,2	20	≥ 60	110	420
3/4	19*	6,0	20	≥ 60	90	780
7/8	22	4,5	20	≥ 60	130	510
1	25	4,5	20	≥ 60	145	570
1	25*	6,0	20	≥ 60	115	965
1 1/4	32	5,5	20	≥ 60	280	870
1 1/4	32*	6,0	20	≥ 60	160	1.150
1 1/2	38	6,5	20	≥ 60	330	1.200
1 3/4	45	7,5	20	≥ 60	390	1.620
2	50	7,5	20	≥ 60	435	1.790
2	50*	7,5	20	≥ 60	250	2.290
3	75*	7,5	20	≥ 60	375	3.300
4	100*	8,0	20	≥ 60	500	4.715

\*\*\* based on room temperature

Delivery in coils of 40 m

### Market segment industrial hoses

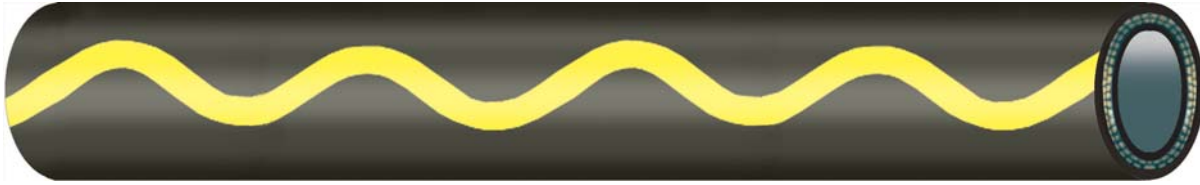
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# GOLD SNAKE®

## The high-grade water- and cleaning hose



**Marking:** yellow wavy line on black cover, axially applied

### Application:

The high-grade water- and cleaning hose is a trade-marked article of highest quality. A tool with unsurpassed characteristics, robust, nearly indestructible, long lasting and of utmost use.

GOLD SNAKE® is the right hose for ambitious applications. A product that meets all requirements for the building industry, for landscape gardening or for machines, apparatus, containers and many other applications.

### Description:

- ▶ black, non-porous, smooth, EPDM lining
- ▶ working pressure up to 30 bar (depending on bore size)
- ▶ temperature range from –30°C up to +100°C, can also be steamed up to 130°C (max. 30 minutes)
- ▶ reinforcements: synthetic fibres
- ▶ non-buckling, shock-proof, can be overrun
- ▶ resistant to ozone and UV
- ▶ CR-cover resistant to oil, grease and chemicals
- ▶ 5 years warranty\*

\* The 5 years' warranty with regard to GOLD SNAKE® refers to faulty material and manufacture provided that couplings have been fitted by experts, that the recommended working conditions have been respected and that the hose has been used properly.

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure** bar	Minimum burst pressure** bar	Minimum bending radius approx. mm	Weight approx. g/m
3/8	10	3,6	30	≥ 90	45	160
1/2	13	3,9	30	≥ 90	50	225
5/8	16	3,6	25	≥ 75	70	260
3/4	19	4,4	25	≥ 75	80	385
7/8	22	4,5	20	≥ 60	100	430
1	25	4,5	20	≥ 60	110	490
1 1/4	32	5,5	12	≥ 36	175	760
1 1/2	38	6,5	12	≥ 36	250	1,050
1 3/4	45	7,5	10	≥ 30	290	1,480
2	50	7,5	10	≥ 30	300	1,580

\*\* based on room temperature

Delivery in coils of 40 m

### Market segment industrial hoses

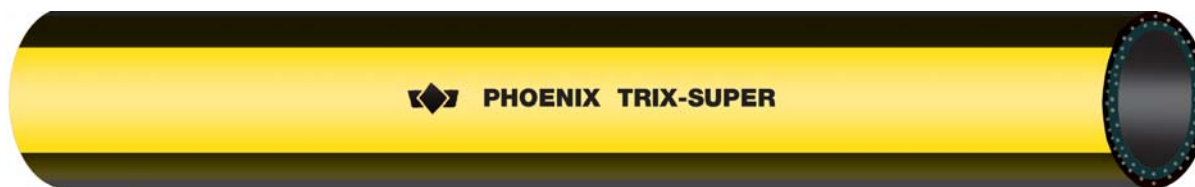
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# TRIX-SUPER®

## The high-grade water hose



**Marking:** 2 yellow markings on black cover opposite each other, "PHOENIX TRIX-SUPER"

### Application:

TRIX-SUPER® is the high-grade water hose for conveying water at high pressure. By easily handling working pressures up to 30 bar, it is especially suitable for challenging applications like transporting pressure- and cooling water, but also for simple sprinkling, filling, discharging, rinsing and cleaning in industry, construction, municipal installations, farming, car pools, garages and workshops.

The hose is very robust and has a low resistance to flow.

### Description:

- ▶ black, non-porous and smooth EPDM lining
- ▶ working pressure up to 30 bar
- ▶ temperature range from -40°C up to +120°C
- ▶ reinforcements: synthetic fibres
- ▶ highly flexible, robust
- ▶ EPDM-cover, resistant to ozone and weather
- ▶ release agent- and fat-free, free from any product harmful to lacquer
- ▶ low resistance to flow

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
3/8	10	3,5	30	90	35	225
1/2	13	4,0	30	90	46	315
3/4	19	4,5	30	90	65	480
1	25	5,0	30	90	110	650

\* based on room temperature

Delivery in coils of 50 m

### Market segment industrial hoses

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# TRIX-ROTSTRAHL®

## The professional water hose



**Marking:** 6 red axially applied stripes on black cover,  
PHOENIX TRIX-ROTSTRAHL DN 13 Wasser/Water 20 BAR Betriebsdruck 60 BAR Berstdruck Made in Germany

### Application:

TRIX-ROTSTRAHL® is the water hose for use in industry, local authorities, construction and civil engineering, landscape gardening, agriculture and many other applications. Thanks to its design and construction it is highly flexible and robust, ozone- and weather-resistant, and can operate at temperatures from –40°C to +100°C.

The ideal hose for cleaning and sprinkling, filling, spraying, rinsing and draining.

### Description:

- ▶ black, non-porous and smooth EPDM lining
- ▶ working pressure up to 20 bar
- ▶ temperature range from – 40°C up to +100°C
- ▶ reinforcements: synthetic fibres
- ▶ highly flexible, robust
- ▶ EPDM-cover, resistant to ozone and UV
- ▶ release agent- and fat-free, free from any product harmful to lacquer
- ▶ low resistance to flow

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/2	13	3,0	20	≥ 60	46	245
5/8	16	3,5	20	≥ 60	60	330
3/4	19	4,0	20	≥ 60	65	435
7/8	22	4,5	20	≥ 60	70	520
1	25	4,5	20	≥ 60	110	580
1 1/8	28	5,0	15	≥ 45	120	715
1 3/16	30	5,5	15	≥ 45	140	835
1 1/4	32	5,5	15	≥ 45	150	870
1 3/8	35	5,5	15	≥ 45	180	940
1 1/2	38	6,0	15	≥ 45	200	1.100
1 9/16	40	6,0	15	≥ 45	240	1.150
1 5/8	42	6,0	10	≥ 30	250	1.250
2	50	7,0	10	≥ 30	300	1.565

\* based on room temperatur

Lengths: up to DN 19 in coils of 40 m, 50 m und 80 m  
up to DN 25 in coils of 40 m and 50 m  
as from DN 28 in coils of 40 m

### Market segment industrial hoses

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# CONTI-FORMFLEX®

## The flexible rubber water hose



### Marking:

3 black axial stripes on red cover, Conti - FORMFLEX - 20 bar

### Application:

This rubber water hose, made in Germany, has an absolutely smooth and stain-resistant cover and was especially developed for the use in industry, handicraft and trade as well as for public authorities and private use.

Due to its general properties the hose is just destined for the use in gardens, parcs and on sport grounds. CONTI FORMFLEX® is the ideal solution if long distances with only a few couplings are required.

### Description:

- ▶ black, non-porous and smooth EPDM lining
- ▶ working pressure up to 20 bar
- ▶ temperature range from -40°C up to +100°C short-term +110°C (max. 30 minutes)
- ▶ reinforcements: synthetic fibres
- ▶ highly flexible, robust
- ▶ CR-cover, resistant to ozone and UV

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/2	13	3,0	20	≥ 60	65	233
5/8	16	3,5	20	≥ 60	80	314
3/4	19	4,0	20	≥ 60	95	423
7/8	22	4,5	20	≥ 60	110	565
1	25	4,5	20	≥ 60	125	630

\* based on room temperatur

Lengths: up to DN 19 in coils of 40 m and 80 m  
as from DN 22 in coils of 30 m and 60 m

### Market segment industrial hoses

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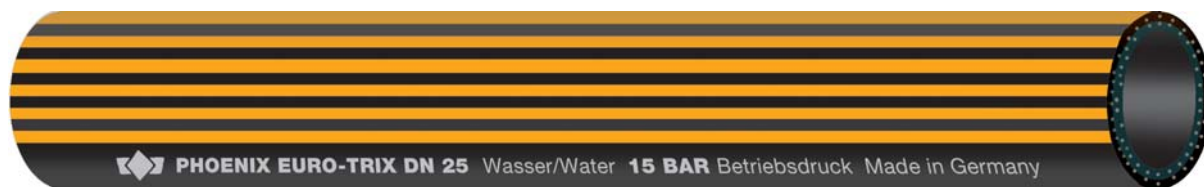


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# EURO-TRIX®

## The versatile water hose



**Marking:** 6 orange stripes, axially applied, on black cover,  
PHOENIX EURO-TRIX DN 25 Wasser/Water 15 BAR Betriebsdruck Made in Germany

### Application:

The EURO-TRIX® water hose is a product for universal operation. It is designed for safe operation in mobile or stationary hose lines in industry and construction as well as farming, landscape gardening, municipal facilities, car pools etc.

The hose is highly flexible, robust and easy to handle.

### Description:

- ▶ black, non-porous and smooth EPDM lining
- ▶ working pressure up to 15 bar
- ▶ temperature range from -20 °C up to +100 °C
- ▶ reinforcements: synthetic fibres
- ▶ highly flexible, twist-free and non-buckling
- ▶ EPDM-cover, resistant to ozone and weather
- ▶ release agent- and fat-free, free from any product harmful to lacquer

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/2	13	3,5	15	≥ 45	50	265
5/8	16	3,8	15	≥ 45	65	360
3/4	19	4,0	15	≥ 45	70	435
1	25	4,5	15	≥ 45	120	580

\* based on room temperatur

Delivery in coils of 40 m

### Market segment industrial hoses

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# TRIX®-High pressure hose for washing machines and dishwashers



**Marking:** Black characters, PHOENIX TRIX-EPDM-HOCHDRUCK-WASCHMASCHINENSCHLAUCH  
90 bar Platzdruck Made in Germany, on grey cover

## Application:

The TRIX®-High pressure hose was designed especially to meet the high security requirements of professional washing- and dishwashing machines, but it is also used for domestic machines. Especially the high resistance to pressure make the hose an inalienable element.

## Description:

- ▶ black, non-porous and smooth EPDM lining
- ▶ working pressure up to 30 bar
- ▶ burst pressure  $\geq 90$  bar
- ▶ for hot water up to  $+95^{\circ}\text{C}$
- ▶ reinforcements: synthetic fibres
- ▶ highly flexible, robust
- ▶ EPDM-cover, resistant to ozone and weather
- ▶ release agent- and fat-free, free from any product harmful to lacquer
- ▶ can be used for all makes

## Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
3/8	10	3,5	30	90	35	225
1/2	13	3,5	30	90	46	315

\* based on room temperature

Delivery in coils of 40 m

## Market segment industrial hoses

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# Cooling water hose to DBL 6254.11



**Marking:** according to DBL

## Applications:

The cooling water hose to DBL 6254.11 is the perfect drainage and exhaust hose for the industry and garage- or car-maintenance factories.

Its resistance to cooling water and the usual additions of antifreezing compounds and corrosion preventives make it the best choice.

## Description:

- ▶ black, non-porous and smooth EPDM lining
- ▶ temperature range up to +125°C
- ▶ working pressure up to 2,5 bar
- ▶ reinforcements: synthetic fibres
- ▶ EPDM-cover, resistant to ozone, weather, UV and abrasion
- ▶ approved by Daimler Benz

## Technische Daten:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum Burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
3/8	10	4,5	2,5	12	100	500
1/2	12	4,5	2,5	12	120	580
5/8	15	4,5	2,5	12	150	670
3/4	18	4,5	2,5	12	180	765
3/4	20	4,5	2,5	10	200	840
7/8	22	4,5	2,5	10	220	910
1	25	4,5	2,5	10	250	1.102
1 1/8	28	4,5	2,5	10	280	1.110
1 3/16	30	6,0	2,5	10	300	1.900
1 1/4	32	6,0	2,5	10	320	2.025
1 3/8	35	6,0	2,5	10	350	2.200
1 1/2	38	6,0	2,5	10	380	2.320
1 5/8	42	6,0	2,5	6	420	2.430
1 3/4	45	6,0	2,5	6	450	2.720
2	50	6,0	2,5	6	500	2.990
2 1/8	55	6,0	2,5	6	550	3.360
2 3/8	60	6,0	2,5	6	600	3.700
2 5/8	65	6,0	2,5	6	650	3.940
2 3/4	70	6,0	2,5	6	700	4.450
3	75	6,0	2,5	6	750	4.530
3 1/8	80	6,0	2,5	6	800	4.820

\* based on room temperatur

in lengths of 2 m

peroxide cross-linked execution on request

## Market segment industrial hoses

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# **ШЛАНГИ ПИЩЕВЫЕ**

# COLLECTOR®

## The extremely flexible hose for milk collecting trucks



**Marking:** 2 parallel, spirally applied red stripes, interrupted by the words "COLLECTOR", on blue cover

### Application:

COLLECTOR® is the ideal high-quality hose for the reliable and safe use with milk collecting trucks. Its white lining made from natural rubber is absolutely neutral to taste and odour, resistant to raw milk as well as to commonly used cleaning products. The reinforcements with just one steel wire helix allow a pressure of 6 bar. The very high flexibility of the hose makes it easy to handle. The NR cover is resistant to abrasion, UV and ozone.

### Description:

- ▶ homogeneous, smooth, white NR-lining
- ▶ absolutely neutral to taste and odour
- ▶ working pressure up to 6 bar
- ▶ temperature range from -40°C up to +70°C (+90°C max. 20 minutes)
- ▶ reinforcements: synthetic fibres
- ▶ can be steamed up to +130 °C (max. 20 minutes)
- ▶ highly flexible and lightweight
- ▶ NR-cover, resistant to ozone, weather and abrasion
- ▶ meets the recommendation XXI of BfR and FDA

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1 1/2	38	5,5	6	18	76	1.200
19/16	40	5,5	6	18	80	1.300
1 3/4	45	5,5	6	18	90	1.400
2	50	5,5	6	18	100	1.500
2 1/8	53	5,5	6	18	106	1.600
2 1/2	63	6,0	6	18	126	2.200
2 5/8	65	7,0	6	18	140	2.500
3	75	7,0	6	18	170	3.000
4	100	8,0	6	18	250	4.550

\* based on room temperatur

Delivery in coils of 40m

### Market segment industrial hoses

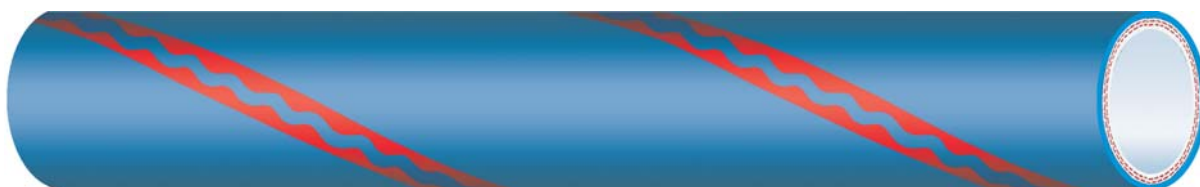
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# LACTOPAL®

## The multi-purpose hose resisting running over by trucks



**Marking:** Red spiral with integrated blue wavy line on blue cover

### Applications:

LACTOPAL® is the multi-purpose, high-class hose for the food, pharmaceutical and cosmetic industry.

The white lining, resistant to fatty and oily products, is homogeneous, smooth and neutral to taste and odour. It is resistant to commonly used cleaning and disinfecting products. Especially developed for rough working conditions LACTOPAL® is robust, ensuring dimensional stability and resists running over by trucks.

Together with our swaged coupling systems and rubber protection rings it becomes the ideal hose assembly!

### Description:

- ▶ white, non-porous and smooth NBR lining
- ▶ absolutely neutral to taste and odour
- ▶ lining and cover both resistant to oil and fats
- ▶ temperature range up to +80°C (+90°C max. 20 minutes)
- ▶ can be steamed up to +110°C (+130°C max. 20 minutes)
- ▶ working pressure up to 16 bar
- ▶ reinforcements: synthetic fibres
- ▶ NBR-cover, resistant to ozone, weather, UV and abrasion
- ▶ meets the recommendation XXI of BfR and FDA
- ▶ 2 years' warranty\*\*

\*\* The 2 years' warranty with regard to LACTOPAL® refers to faulty material and manufacture provided that couplings have been fitted by experts, that the recommended working conditions have been respected and that the hose has been used properly.

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/2	13	4,0	16	≥ 48	80	280
5/8	16	4,0	16	≥ 48	100	320
3/4	19	5,0	16	≥ 48	115	500
1	25	6,0	16	≥ 48	150	800
1 1/4	32	8,0	16	≥ 48	195	1.400
1 1/2	38	9,0	16	≥ 48	230	1.700
1 9/16	40	9,0	16	≥ 48	240	1.900
2	50	10,0	16	≥ 48	300	2.700
2 3/8	60	10,0	16	≥ 48	420	3.000
2 5/8	65	12,0	16	≥ 48	455	3.800
3	75	12,0	16	≥ 48	525	4.100
3 1/8	80	14,0	16	≥ 48	560	5.100
4	100	15,0	16	≥ 48	700	6.700

\* based on room temperatur

Delivery in coils of 40m

### Market segment industrial hoses

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# LACTOPAL® L

## The suction-proof multi-purpose hose



**Marking:** Red spiral with integrated blue wavy line on blue cover

### Applications:

LACTOPAL L® is the multi-purpose, high-class hose with steel wire helix for the food, pharmaceutical and cosmetic industry. The white lining is homogeneous, smooth, neutral to taste and odour and is especially designed for the transport of fatty and oily products. It is resistant to commonly used cleaning and disinfecting products.

The incorporated steel wire helix makes LACTOPAL L® extremely flexible, lightweight and particularly resistant to suction.

Together with our swaged coupling systems and rubber protection rings it becomes the ideal hose assembly!

### Description:

- ▶ white, non-porous and smooth NBR lining
- ▶ absolutely neutral to taste and odour
- ▶ lining and cover resistant to oil and fats
- ▶ temperature range up to +80°C (+90°C max. 20 minutes)
- ▶ can be steamed up to +110°C (+130°C max. 20 minutes)
- ▶ working pressure up to 16 bar
- ▶ reinforcements: synthetic fibres
- ▶ NBR-cover, resistant to ozone, weather, UV and abrasion
- ▶ meets the recommendation XXI of BfR and FDA

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
3/4	19	5,0	16	≥ 48	60	600
1	25	6,0	16	≥ 48	80	880
1 1/4	32	6,0	16	≥ 48	100	1.100
1 1/2	38	6,5	16	≥ 48	115	1.430
1 9/16	40	7,0	16	≥ 48	130	1.640
2	50	8,0	16	≥ 48	150	2.170
2 1/8	53	7,0	16	≥ 48	160	2.000
2 3/8	60	7,0	16	≥ 48	170	2.350
2 1/2	63	7,0	16	≥ 48	180	2.470
2 5/8	65	8,0	16	≥ 48	190	2.870
3	75	8,0	16	≥ 48	225	3.310
3 1/8	80	8,0	16	≥ 48	300	3.510
4	100	9,0	16	≥ 48	350	4.650

\* based on room temperatur

Delivery in coils of 40m

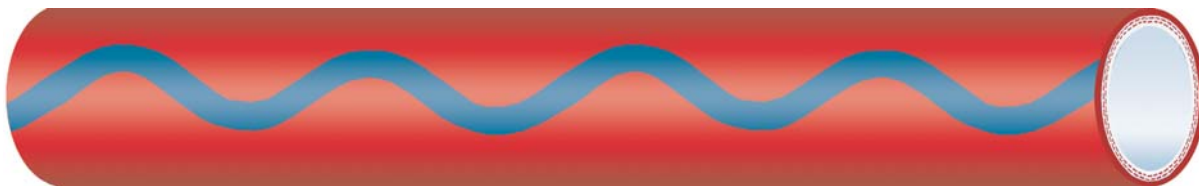
### Market segment industrial hoses

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# PURPLE SNAKE® – Internationally the no.1 hose for the brewing and beverage industry



**Marking:** axially applied blue wavy line on red cover

## Applications:

PURPLE SNAKE® is the ideal hose for breweries, winepresses, bottlers and many other installations in the brewing, beverage and spirits industry. The white lining is absolutely neutral to taste and odour, homogeneous, smooth and free of plasticizers. Flexibility, pressure resistance and long service life – even under extreme working conditions – are additional advantages, which make the hose most popular all over the world. PURPLE SNAKE® can easily be cleaned conventionally or by CIP installations. Together with our swaged coupling systems and rubber protection rings it becomes the ideal hose assembly!

## Description:

- ▶ white, non-porous and smooth CIIR lining
- ▶ absolutely neutral to taste and odour
- ▶ suitable for pure alcohol up to 98%
- ▶ temperature range up to +85°C (+95°C max. 60 minutes)
- ▶ can be steamed up to +130 °C (max. 30 minutes)
- ▶ working pressure up to 16 bar
- ▶ reinforcements: synthetic fibres
- ▶ CR/SBR/NR-cover, resistant to ozone, weather, UV and abrasion
- ▶ approved by TU München, Weihenstephan (sensoric test)
- ▶ 3 years' warranty\*\*

\*\* The 3 years' warranty with regard to PURPLE SNAKE® refers to faulty material and manufacture provided that couplings have been fitted by experts, that the recommended working conditions have been respected and that the hose has been used properly

## Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/2	13	3,5	16	≥ 48	80	300
5/8	16	4,0	16	≥ 48	100	400
3/4	19	5,0	16	≥ 48	120	500
1	25	6,0	16	≥ 48	160	800
1 1/9	28	7,0	16	≥ 48	180	1.000
1 1/4	32	8,0	16	≥ 48	200	1.300
1 1/3	35	9,0	16	≥ 48	220	1.600
1 1/2	38	9,0	16	≥ 48	240	1.700
1 9/16	40	9,0	16	≥ 48	250	1.700
1 3/4	45	10,0	16	≥ 48	280	2.200
2	50	10,0	16	≥ 48	310	2.350
2	50**	8,0	16	≥ 48	280	2.210
2 3/8	60	13,0	16	≥ 48	370	3.700
2 5/8	65	12,0	16	≥ 48	400	3.510
3	75	12,0	16	≥ 48	450	4.460
3	75**	8,0	16	≥ 48	410	3.350
3 1/8	80	14,0	16	≥ 48	500	5.200
3 1/8	80**	8,0	16	≥ 48	450	3.550
4	100	15,0	16	≥ 48	680	7.000
4	100**	9,0	16	≥ 48	550	5.300

\* based on room temperatur

\*\* with steel-wire helix

Delivery in coils of 40m

## Market segment industrial hoses

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# BLAUDIECK® LGD

## Beverage and foodstuffs hose



**Marking:** Red-white logos "BLAUDIECK" on blue cover

### Applications:

BLAUDIECK® LGD-hoses offer high quality at reasonable prices. The hygienically smooth, non-porous lining is absolutely neutral to taste and odour and thus suitable for various applications in the beverage and foodstuffs industry. They are resistant to commonly used cleaning and disinfecting products and can easily be cleaned conventionally or by CIP installations. Both, lining and cover are resistant to oil, fats and caustics. Together with our swaged coupling systems and rubber protection rings it becomes the ideal hose assembly!

### Description:

- ▶ white, non-porous and smooth NBR lining
- ▶ absolutely neutral to taste and odour
- ▶ lining and cover resistant to oil and fats
- ▶ temperature range up to +80°C (+90°C max. 20 minutes)
- ▶ can be steamed up to +110°C (+130°C max. 20 minutes)
- ▶ working pressure up to 10 bar
- ▶ reinforcements: synthetic fibres
- ▶ NBR-cover, resistant to ozone, weather, UV and abrasion
- ▶ meets the recommendation XXI of BfR and FDA

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/2	13	4,0	10	≥ 40	80	280
5/8	16	4,0	10	≥ 40	100	320
3/4	19	5,0	10	≥ 40	115	500
1	25	6,0	10	≥ 40	150	800
1 1/4	32	8,0	10	≥ 40	195	1.400
1 1/2	38	9,0	10	≥ 40	230	1.700
1 9/16	40	9,0	10	≥ 40	240	1.900
2	50	10,0	10	≥ 40	300	2.700
2 3/8	60	10,0	10	≥ 40	420	3.000
2 5/8	65	12,0	10	≥ 40	455	3.800
3	75	12,0	10	≥ 40	525	4.100
3 1/8	80	14,0	10	≥ 40	560	5.100
4	100	15,0	10	≥ 40	700	6.700

\* based on room temperatur

Delivery in coils of 40m

### Market segment industrial hoses

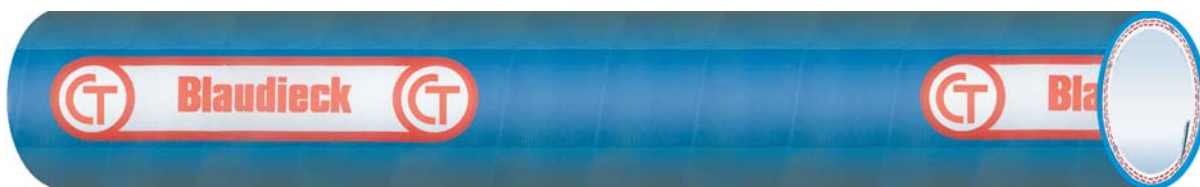
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# BLAUDIECK® LGDS

## The vacuum resistant beverage and foodstuffs hose



**Marking:** Red-white logos "BLAUDIECK" on blue cover

### Applications:

BLAUDIECK® LGDS-hoses as a vacuum resistant construction with an integrated steel wire helix offer high quality at reasonable prices. The hygienically smooth, non-porous lining is absolutely neutral to taste and odour and thus suitable for various applications in the beverage and foodstuffs industry. They are resistant to commonly used cleaning and disinfecting products and can easily be cleaned conventionally or by CIP installations. Both, lining and cover are resistant to oil, fats and caustics.

Together with our swaged coupling systems and rubber protection rings it becomes the ideal hose assembly!

### Description:

- ▶ white, non-porous and smooth NBR lining
- ▶ absolutely neutral to taste and odour
- ▶ lining and cover both resistant to oil and fats
- ▶ temperature range up to +80°C (+90°C max. 20 minutes)
- ▶ can be steamed up to +110°C (+130°C max. 20 minutes)
- ▶ working pressure up to 10 bar
- ▶ reinforcements: synthetic fibres
- ▶ NBR-cover, resistant to ozone, weather, UV and abrasion
- ▶ meets the recommendation XXI of BfR and FDA

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
3/4	19	5,0	10	≥ 40	60	600
1	25	6,0	10	≥ 40	80	880
1 1/4	32	6,0	10	≥ 40	100	1.100
1 1/2	38	6,5	10	≥ 40	115	1.430
1 9/16	40	7,0	10	≥ 40	130	1.640
2	50	8,0	10	≥ 40	150	2.170
2 1/8	53	7,0	10	≥ 40	160	2.000
2 3/8	60	7,0	10	≥ 40	170	2.350
2 1/2	63	7,0	10	≥ 40	180	2.470
2 5/8	65	8,0	10	≥ 40	190	2.870
3	75	8,0	10	≥ 40	225	3.310
3 1/8	80	8,0	10	≥ 40	300	3.510
4	100	9,0	10	≥ 40	350	4.650

\* based on room temperatur

Delivery in coils of 40m

### Market segment industrial hoses

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# BLAUDIECK® LGDU

## Beverage and foodstuffs hose with UPE liner



**Marking:** Red-white logos "BLAUDIECK" and "UPE-Innenliner" on blue cover

### Applications:

BLAUDIECK® LGDU-hoses offer high quality at reasonable prices. The hygienically smooth, non-porous UPE lining free of plasticizers is absolutely neutral to taste and odour and thus suitable for various applications in the beverage and foodstuffs industry. They are resistant to commonly used cleaning and disinfecting products and can easily be cleaned conventionally or by CIP installations. Both, lining and cover are resistant to oil, fats and caustics. Together with our swaged coupling systems and rubber protection rings it becomes the ideal hose assembly!

### Description:

- ▶ white, non-porous, smooth UPE lining, free of plasticizers
- ▶ absolutely neutral to taste and odour
- ▶ suitable for pure alcohol up to 98%
- ▶ temperature range up to +95°C
- ▶ can be steamed up to +130°C (max. 30 minutes)
- ▶ working pressure up to 12 bar
- ▶ reinforcements: synthetic fibres
- ▶ NBR-cover, resistant to ozone, weather, UV and abrasion
- ▶ meets the recommendation XXI of BfR and FDA

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1	25	6,0	12	≥ 48	150	750
1 1/4	32	8,0	12	≥ 48	200	1.200
1 9/16	40	9,0	12	≥ 48	250	1.480
2	50	10,0	12	≥ 48	350	2.050
2 5/8	65	12,0	12	≥ 48	450	3.120
3	75	12,0	12	≥ 48	500	3.450
3 1/8	80	14,0	12	≥ 48	650	4.390
4	100	15,0	12	≥ 48	750	5.800

\* based on room temperatur

Delivery in coils of 40m

### Market segment industrial hoses

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# BLAUDIECK® LGDSU – The vacuum resistant beverage and foodstuffs hose with UPE liner



**Marking:** Red-white logos “BLAUDIECK” and “UPE-Innenliner” on blue cover

## Applications:

BLAUDIECK® LGDSU-hoses as a vacuum resistant construction with an integrated steel wire helix offer high quality at reasonable prices. The hygienically smooth, non-porous UPE lining free of plasticizers is absolutely neutral to taste and odour and thus suitable for various applications in the beverage and foodstuffs industry.

They are resistant to commonly used cleaning and disinfecting products and can easily be cleaned conventionally or by CIP installations. Both, lining and cover are resistant to oil, fats and caustics.

Together with our swaged coupling systems and rubber protection rings it becomes the ideal hose assembly!

## Description:

- ▶ white, non-porous, smooth UPE lining, free of plasticizers
- ▶ absolutely neutral to taste and odour
- ▶ suitable for pure alcohol up to 98%
- ▶ temperature range up to +95°C
- ▶ can be steamed up to +130°C (max. 30 minutes)
- ▶ working pressure up to 12 bar
- ▶ reinforcements: synthetic fibres
- ▶ NBR-cover, resistant to ozone, weather, UV and abrasion
- ▶ meets the recommendation XXI of BfR and FDA

## Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1	25	6,0	12	≥ 48	170	760
1 1/4	32	6,0	12	≥ 48	200	1.050
1 9/16	40	7,0	12	≥ 48	250	1.450
2	50	8,0	12	≥ 48	330	2.000
2 5/8	65	8,0	12	≥ 48	430	2.520
3	75	8,0	12	≥ 48	500	2.840
3 1/8	80	8,0	12	≥ 48	530	3.050
4	100	9,0	12	≥ 48	660	4.180

\* based on room temperatur

Delivery in coils of 40m

## Market segment industrial hoses

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# TRIX-MULTI-FOOD®

## The versatile hose for the food industry



**Marking:** PHOENIX TRIX-MULTI-FOOD Made in Germany FDA geprüft, on blue or white cover

### Application:

TRIX-MULTI-FOOD® is the universal hose for the food industry. It can be used in dairys, cheese production, margarine production, large-scale catering establishments, fish processing industry as well as in breweries, slaughter-houses, oil mills, skinning industry, large-scale butcher's shops and jam production. It can also be used for the equipment of dairy machines.

### Description:

- ▶ homogeneous, smooth, white NBR-lining
- ▶ absolutely neutral to taste and odour
- ▶ working pressure up to 10 bar
- ▶ temperature range from -20°C up to +90°C
- ▶ can be steamed up to 6 bar (164°C) – open system only
- ▶ reinforcements: synthetic fibres
- ▶ NBR-cover, resistant to abrasion, UV, fats and oils
- ▶ meets FDA

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/2	13	5	10	60	95	430
5/8	16	5	10	60	115	500
3/4	19	6	10	60	150	700
1	25	7	10	60	200	1.050

\* based on room temperature

Delivery in coils of 40 m

other dimensions on request

### Market segment industrial hoses

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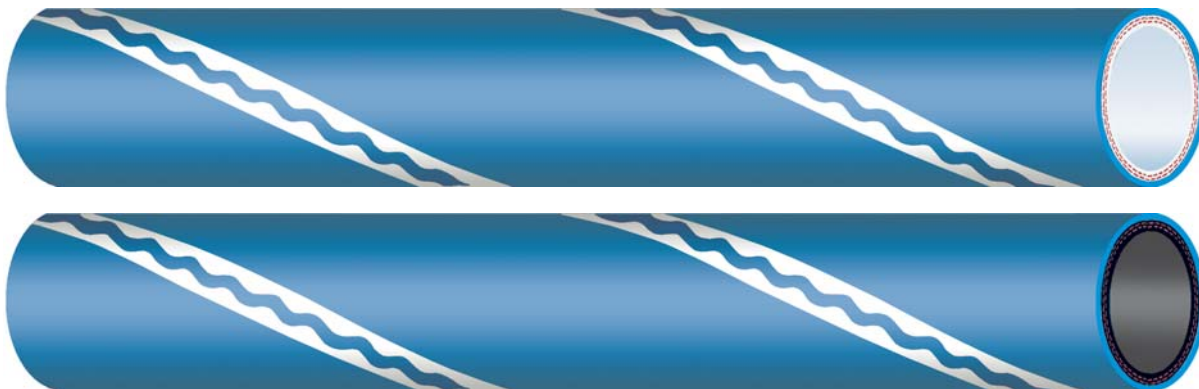
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# **ШЛАНГИ ДЛЯ ПАРА И ГОРЯЧЕЙ ВОДЫ**

# PERLAPAL® W – PERLAPAL® S

## Reliable and safe cleaning



**Marking:** White spiral with blue, wavy line on blue cover

### Applications:

The reliable and safe Perlapal® hot water and steam hoses are available with white or black lining and are especially designed for cleaning purposes in the food, pharmaceutical and cosmetic industry.

Both hose types are suitable for the safe transport of hot water up to +95°C and steam up to +164°C (for open-end discharge only).

### Description:

- ▶ either with white or black non-porous, smooth and homogeneous CIIR lining
- ▶ temperature range up to +95°C (hot water)  
up to max. +164°C (steam – open systems only)
- ▶ working pressure up to 6 bar (steam)  
or 20 bar (cold water)
- ▶ reinforcements: synthetic fibres
- ▶ NBR-cover, resistant to ozone, weather, UV and abrasion as well as fats and oils
- ▶ 2 years' warranty\*\*

\*\* The 2 years' warranty with regard to PERLAPAL® refers to faulty material and manufacture provided that couplings have been fitted by experts, that the recommended working conditions have been respected and that the hose has been used properly.

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure*		Minimum burst pressure*	Minimum bending radius approx. mm	Weight approx. g/m
			steam bar	cold water bar	bar		
1/2	13	5	6	20	60	80	400
3/4	19	6	6	20	60	115	600
1	25	7	6	20	60	150	800
1 1/4	32	7	6	20	60	195	1.200
1 1/2	38	8	6	20	60	230	1.500
2	50	8	6	20	60	300	1.900

\* based on room temperature

Delivery in coils of 40 m

### Market segment industrial hoses

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# BLAUDIECK® DS

## Steam- and hot water hose



**Kennzeichnung:** Red-white logos "BLAUDIECK" on blue cover

### Applications:

The Blaudieck® DS steam- and hot water hose has been developed for reliable cleaning purposes in various industrial and other professional areas. The flexible construction allows easy handling for the safe transport of hot water and steam.

### Description:

- ▶ black, non-porous, smooth and homogeneous NBR lining
- ▶ temperature range up to +90°C (hot water) up to max. +164°C (steam – open systems only)
- ▶ working pressure up to 6 bar (steam) or 18 bar (cold water)
- ▶ reinforcements: synthetic fibres
- ▶ NBR-cover, resistant to ozone, weather, UV and abrasion

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* steam bar    cold water bar		Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/2	13	5,0	6	18	≥ 60	80	310
3/4	19	6,0	6	18	≥ 60	115	525
1	25	7,0	6	18	≥ 60	150	760

\* based on room temperatur

Delivery in coils of 40m

### Market segment industrial hoses

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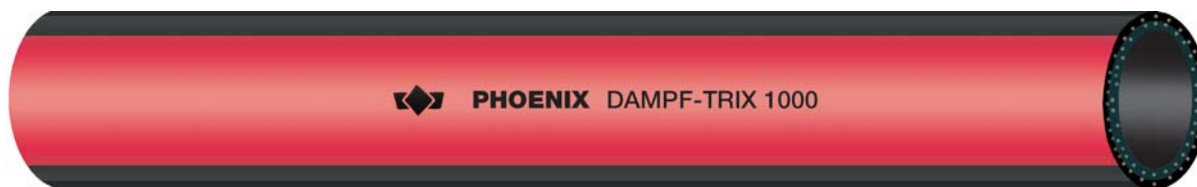


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# DAMPF-TRIX® 1000

## Safety according to EN ISO 6134



**Marking:** 2 red coloured axial markings on black cover,  
"PHOENIX DAMPF-TRIX 1000" and embossing according to EN ISO 6134

### Applications:

The DAMPF-TRIX® 1000 steam hose has been designed to meet the highest requirements on hose material for the safe transport of steam and hot water in the chemical and petrochemical industry, the building industry, in gardening, for the heating of tank wagons etc., as well as for various other industrial applications.

The construction with special textile fibres allows a much higher continuous temperature resistance compared to conventional textiles. Additionally, the high flexibility and its conductivity make the hose a safe and high-class working material.

### Description:

- ▶ black, non-porous and smooth EPDM lining
- ▶ temperature range up to +120°C (hot water) or +164°C (steam – open systems only)
- ▶ working pressure up to 6 bar
- ▶ reinforcements: high-strength synthetic fibres
- ▶ EPDM-cover, resistant to ozone, weather, UV and abrasion
- ▶ electrically conductive,  $R < 10^6 \Omega$
- ▶ meets all requirements as per EN ISO 6134

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum Burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/2	13	6,0	6	≥ 60	130	460
3/4	19	7,0	6	≥ 60	190	720
1	25	7,6	6	≥ 60	250	960

\* based on room temperatur

Delivery in coils of 40m

### Market segment industrial hoses

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# DAMPF-TRIX® 2000 – Highest quality for conveying steam according to EN ISO 6134



**Marking:** Red characters "PHOENIX DAMPF-TRIX® 2000 – STEAM – 18 bar/210°C"  
on black cover, additional embossing according to EN ISO 6134

## Applications:

The high-temperature resistant DAMPF-TRIX® 2000 steam hose has been designed to meet the most severe working conditions for conveying saturated steam in the chemical and petrochemical industry, in refineries, the building industry, in shipyards and for various other industrial applications. It is made of an extremely heat resistant EPDM lining and cover assuring the transport of pure, saturated steam at +210°C and 18 bar, or even at +220°C and 23 bar for short-time service.

## Description:

- ▶ black, non-porous and smooth EPDM lining
- ▶ temperature range for saturated steam up to max. +210°C  
short term +220°C (max. 20 minutes)
- ▶ working pressure up to 18 bar
- ▶ reinforcements: 2 steel wire braidings
- ▶ EPDM-cover, resistant to ozone, weather, UV and abrasion
- ▶ electrically conductive,  $R < 10^6 \Omega$
- ▶ meets all requirements as per EN ISO 6134

## Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum Burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/2	13	6,0	18	≥ 180	130	720
5/8	16**	6,5	18	≥ 180	160	890
3/4	19	7,0	18	≥ 180	190	1.100
1	25	7,5	18	≥ 180	250	1.480
1 1/4	32	8,0	18	≥ 180	320	1.830
1 1/2	38	8,0	18	≥ 180	380	2.350
2	50	9,0	18	≥ 180	500	3.020

\* based on room temperatur

Delivery in coils of 40m

\*\* minimum quantity 800 m

## Market segment industrial hoses

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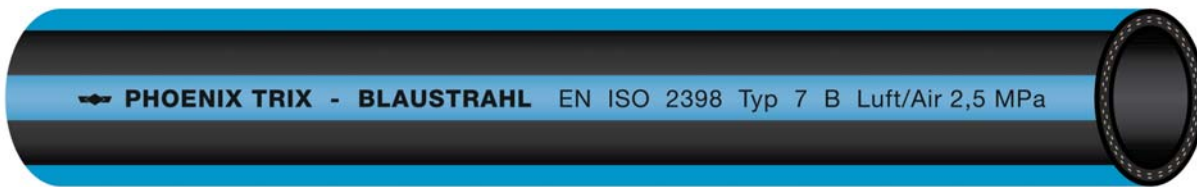
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


# **ШЛАНГИ ДЛЯ СЖАТОГО ВОЗДУХА**

# TRIX®-Blaustrahl

## The high quality hose for compressed air



**Marking:** 6 blue, axial stripes on black cover, "PHOENIX TRIX-BLAUSTRahl  
EN ISO 2398 Typ 7 B Luft/Air 2,5 MPa (25 bar) DN 19 x 6 R <10<sup>6</sup> Ω/m  Made in Germany"

### Applications:

TRIX®-Blaustrahl is the top product for heavy duty applications in the field of compressed air handling. The hose meets the EN ISO 2398 standard and is the ideal product for industrial applications, for the mining industry, pits, over- and underground workings, steel and iron industry, shipyards, manufacturers of compressed air equipment and compressors, petrol stations, large-scale garages and many other applications more.

### Description:

- ▶ black, non-porous and smooth NBR lining
- ▶ temperature range from – 40°C up to +70°C
- ▶ working pressure up to 25 bar
- ▶ reinforcements: synthetic fibres
- ▶ NBR-cover, resistant to ozone, weather, UV and abrasion
- ▶ highly flexible, robust
- ▶ good resistance to oil
- ▶ electrically conductive
- ▶ release agent- and fat-free, free from any product harmful to lacquer

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m	Type-class
3/16	5	4,5	25	≥ 100	25	220	7 B
1/4	6	4,5	25	≥ 100	30	250	7 B
5/16	8	4,5	25	≥ 100	40	280	7 B
3/8	10	5,0	25	≥ 100	50	340	7 B
1/2	13	5,0	25	≥ 100	65	410	7 B
1/2	13	6,0	25	≥ 100	65	510	7 B
5/8	15	5,0	25	≥ 100	75	460	7 B
5/8	15	6,0	25	≥ 100	75	560	7 B
3/4	19	5,0	25	≥ 100	95	590	7 B
3/4	19	6,0	25	≥ 100	95	690	7 B
1	25	7,0	25	≥ 100	125	1.000	7 B
1 1/8**	28	8,0	16	≥ 64	170	1.260	5 B
1 1/4	32	8,0	16	≥ 64	200	1.380	5 B
1 3/8**	35	8,0	16	≥ 64	220	1.500	5 B
1 1/2	38	8,0	16	≥ 64	240	1.600	5 B
1 5/8**	42	9,0	16	≥ 64	330	2.000	5 B

\* based on room temperatur

\*\* no EN-diameters

Delivery in coils of 40 m

### Market segment industrial hoses

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# Compressed air hose, black according to DIN 20018, sheet 1



**Marking:** Embossing "PHOENIX PRESSLUFT DIN 20018 Year" on black cover

## Applications:

The compressed air hose, black is ideal for over- and underground working, steel and iron industry, pits, compressed air appliances and industrial consumers.

## Description:

- ▶ black, non-porous and smooth rubber lining
- ▶ temperature range from -30°C up to +50°C
- ▶ working pressure up to 10/16 bar
- ▶ reinforcements: synthetic fibres
- ▶ black rubber-cover, resistant to ageing, abrasion, water and air containing oil

## Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum Burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
3/8	10	5	10/16	≥ 40	100	340
1/2	13	5	10/16	≥ 40	130	410
5/8	15	6	10/16	≥ 40	150	560
3/4	19	6	10/16	≥ 40	190	690
1	25	7	10/16	≥ 40	250	1.000

\* based on room temperature

Delivery in coils of 40m

## Market segment industrial hoses

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# **ШЛАНГИ ДЛЯ СВАРОЧНОГО ОБОРУДОВАНИЯ**

# TRIX®-oxyacetylene hose

## For the safe transport of oxygen and fuel gases



### Marking:

**oxygen:** "PHOENIX TRIX-AUTOGEN EN 559-2MPa (20 bar)-6,3-Made in Germany" on blue cover

**fuelgas:** "PHOENIX TRIX-AUTOGEN EN 559-2MPa (20 bar)-9-Made in Germany" on red cover

### Applications:

TRIX®-oxyacetylene hose is designed for the transport of oxygen and fuel gases. It meets the latest regulations of the EN 559 standard and thus offers the highest possible safety. The hose is extremely robust, flexible, resistant to ozone and weather and has a smooth, dirt-proof cover. The excellent quality is the reason, why TRIX®-oxyacetylene hoses are most popular and are being used for decades in installation and heating system companies, foundries, shipyards, for the construction of bridges, in the steel and car body construction, over- and underground workings, in welding shops and at manufacturers of welding apparatus.

### Description:

- ▶ black, non-porous and smooth EPDM lining
- ▶ temperature range up to +60°C
- ▶ working pressure up to 20 bar
- ▶ reinforcements: synthetic fibres
- ▶ EPDM-cover, resistant to ozone, weather, UV and abrasion
- ▶ highly flexible, robust
- ▶ non-buckling, dimensionally stable
- ▶ release agent- and fat-free, free from any product harmful to lacquer

### Technical data:

#### oxygen hose – blue

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/6	4,0	3,5	20	60	20	130
1/4	6,3	3,5	20	60	30	170
1/4	6,3	5,0	20	50	30	260
3/8	9,0	5,0	20	60	45	330
7/16	11,0	5,0	20	60	55	370
1/2	12,5	5,0	20	60	60	400
5/8	16,0	6,0	20	60	80	600

#### fuel gas hose – red

1/6	4,0	3,5	20	60	20	130
1/4	6,3	3,5	20	60	30	170
3/8	9,0	3,5	20	60	45	210
7/16	11,0	3,5	20	60	55	250
1/2	12,5	4,5	20	60	60	370
5/8	16,0	4,5	20	60	80	430

\* based on room temperature

Delivery in coils of 40 m

### Market segment industrial hoses

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# TRIX®-Allbrenngasschlauch TRIX®-Luft/Stickstoff/Argon/CO<sub>2</sub>-Schlauch

➔ **PHOENIX TRIX-ALLBRENNGASSCHLAUCH** EN 559 - 2MPa (20 bar) - 6,3-95 Made in Germany

➔ **PHOENIX TRIX-LUFT/STICKSTOFF/ARGON/CO<sub>2</sub>** EN 559-2MPa (20 bar) - 6,3 - Made in Germany

## Kennzeichnung:

“PHOENIX TRIX-ALLBRENNGASSCHLAUCH EN 559-2MPa (20 bar)-6,3-95 Made in Germany” auf rot-orangem Untergrund  
“PHOENIX TRIX-LUFT/STICKSTOFF/ARGON/CO<sub>2</sub> EN 559-2MPa (20 bar)-6,3-Made in Germany” auf schwarzem Untergrund

## Einsatzmöglichkeiten:

Der TRIX®-Allbrenngasschlauch ist konzipiert für den Transport aller Brenngase sowie Flüssiggase nach DIN 51622 sowie Propan/Butan, Erdgas, DMF, MPS und LPG. Er entspricht dem neuesten Stand der EN 559 und bietet ein Höchstmaß an Arbeitssicherheit. Er ist extrem robust, flexibel und alterungs- sowie witterungsbeständig und verfügt über eine glatte, schmutzunempfindliche Oberflächenstruktur.

Der TRIX®-LUFT/STICKSTOFF/ARGON/CO<sub>2</sub>-Schlauch ist konzipiert für den Transport aller nicht brennbaren Gase. Er entspricht dem neuesten Stand der EN 559 und bietet dadurch ein Höchstmaß an Arbeitssicherheit. Er ist extrem robust, flexibel und alterungs- sowie witterungsbeständig und verfügt über eine glatte, schmutzunempfindliche Oberflächenstruktur.

Die ausgezeichnete Qualität macht die Schläuche seit Jahrzehnten zu einem geschätzten Produkt in Industrie, in Installations- und Heizungsbetrieben, Gießereien, Werften, im Brücken-, Stahl-, Karosserie-, Hoch- und Tiefbau, sowie in Schweißwerkstätten und bei Schweißgeräteherstellern.

## Beschreibung:

- Temperaturbeständigkeit bis +60°C
- Betriebsdruck bis 20 bar
- Druckträger: synthetische Garne
- hochflexibel und robust
- knickfest und formstabil
- LABS-, Trennmittel- und fettfrei

## TRIX®-Allbrenngasschlauch

- schwarze, porenfreie, glatte NBR-Innenschicht
- NBR-Außenschicht, unempfindlich gegen Ozon, Witterung und UV-Strahlung, abriebfest

## TRIX®-Luft/Stickstoff/Argon/CO<sub>2</sub>-Schlauch

- schwarze, porenfreie, glatte EPDM-Innenschicht
- EPDM-Außenschicht, unempfindlich gegen Ozon, Witterung und UV-Strahlung, abriebfest

## Technische Daten:

### TRIX®-Allbrenngasschlauch

Nennweite Zoll/Inch	Innen-Ø mm	Wandstärke mm	Betriebsdruck* bar	Mindest Berstdruck* bar	Kleinsten Biegeradius ca. mm	Metergewicht ca. g/m
1/6	4,0	3,5	20	60	20	130
1/4	6,3	3,5	20	60	30	170
3/8	9,0	3,5	20	50	45	210
7/16	11,0	3,8	20	60	55	280
1/2	12,5	4,5	20	60	60	370
5/8	16,0	4,5	20	60	80	430
3/4	20,0	5,0	20	60	100	590
1 1/4	32,0	5,5	20	60	190	950

### TRIX®-Luft/Stickstoff/Argon/CO<sub>2</sub>-Schlauch

1/4	6,3	3,5	20	60	30	170
3/8	9,0	3,5	20	60	45	210

\* bezogen auf Raumtemperatur

Länge in 40m-Rollen

## Marktsegment Industrieschläuche

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# Flux hoses

## For the safe transport of fluxes and fuel gases



### Marking: Colour coding

**Flux blue:** "CONTITECH - EN559-FLUX - 2MPa (20bar) - 6 - month year" on blue cover

**Flux red:** "CONTITECH - EN559-FLUX - 2MPa (20bar) - 6 - month year" on red cover

### Applications:

Flux hoses according to EN 559 for trade and industry are used on welding and brazing machines, for transporting fluxes and fuel gases as well as for conveying oxygen.

### Description:

- ▶ black, seamless PA lining with high density towards diffusion
- ▶ temperature range up to +90°C
- ▶ working pressure up to 20 bar
- ▶ reinforcements: synthetic fibres
- ▶ blue or red NBR-cover, resistant to ozone, weather, UV and abrasion
- ▶ highly flexible and robust
- ▶ can also be used for welding processes with aggressive filler agents

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius** approx. mm	Weight approx. g/m
1/6	3,2	1,9	20	60	50	36
1/4	5,0	3,0	20	50	60	97
3/8	6,5	3,0	20	60	80	115

\* based on room temperature

Delivery in coils of 20 m

\*\* The minimum bending radius must be observed!

### Market segment industrial hoses

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# **ШЛАНГИ УНИВЕРСАЛЬНЫЕ**

# UNITRIX® 60

## The multi purpose hose



**Marking:** 6 tobacco brown coloured axial markings on black cover,  
PHOENIX UNITRIX 60 DN 10 R<10<sup>6</sup>Ω/m Made in Germany

### Application:

The multi purpose hose UNITRIX® 60 provides best results when used in the areas of mechanical engineering, farming, forestry, gas stations, garages, quarries, construction sites as well as shipbuilding and the railway industry. It can be used with compressors, barrel pumps and aggregates. It can also be used in the areas of the mineral oil industry and the chemical and petrochemical industry.

UNITRIX® 60 is the right hose for conveying benzine, mineral oil, gasoil, kerosene, fuel oil, motor oil, compressed air, cold and hot water with or without detergent additives, vegetable oils, animal fats, propane, butane, diluted acids, technical alcohols, pesticides, salt solutions, naphtha.

### Description:

- ▶ black, non-porous and smooth NBR lining
- ▶ working pressure up to 20 bar
- ▶ temperature range from – 25°C up to +85°C
- ▶ highly flexible, robust
- ▶ resistant to oil, grease and chemicals
- ▶ electrically conductive

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum Burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/4	6	3,5	20	60	35	160
5/16	8	3,75	20	60	50	210
3/8	10	3,75	20	60	60	250
1/2	13	4,0	20	60	80	320
5/8	16	4,5	20	60	100	430
3/4	19	5,0	20	60	120	550
1	25	5,5	20	60	150	760

\* based on room temperatur

Delivery in coils of 50m

### Market segment industrial hoses

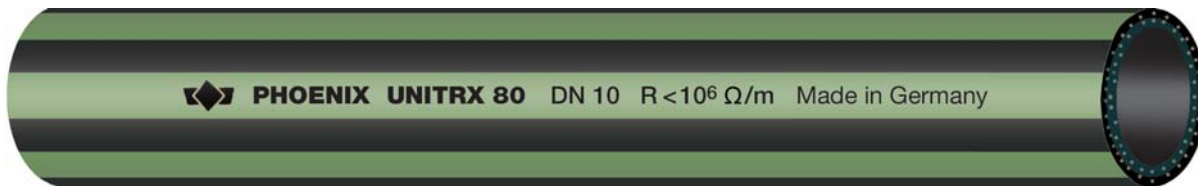
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# UNITRIX® 80

## The multi purpose hose



**Marking:** 6 olive coloured axial markings on black cover,  
PHOENIX UNITRIX 80 DN 10 R<10<sup>6</sup>Ω/m Made in Germany

### Application:

The multi purpose hose UNITRIX® 80 provides best results when used in the areas of mechanical engineering, farming, forestry, gas stations, garages, quarries, construction sites as well as shipbuilding and the railway industry. It can be used with compressors, barrel pumps and aggregates. It can also be used in the areas of the mineral oil industry and the chemical and petrochemical industry.

UNITRIX® 80 is the right hose for conveying benzine, mineral oil, gasoil, kerosene, fuel oil, motor oil, compressed air, cold and hot water with or without detergent additives, vegetable oils, animal fats, propane, butane, diluted acids, technical alcohols, pesticides, salt solutions, naphtha.

### Description:

- ▶ black, non-porous and smooth NBR lining
- ▶ working pressure up to 33 bar
- ▶ temperature range from – 25°C up to +85°C
- ▶ highly flexible, robust
- ▶ resistant to oil, grease and chemicals
- ▶ electrically conductive

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum Burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/4	6	4,0	33	80	35	190
5/16	8	4,0	33	80	50	230
3/8	10	4,0	33	80	60	260
1/2	13	4,5	33	80	80	370
5/8	16	5,0	33	80	100	480
3/4	19	6,0	33	80	120	680
1	25	6,0	33	80	150	840

\* based on room temperatur

Delivery in coils of 50m

### Market segment industrial hoses

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# **ШЛАНГИ ДЛЯ СТРОИТЕЛЬСТВА**

# Cement silo hose

## The reliable specialist



**Marking:** White characters "PHOENIX ZEMENTSILO 6 BAR" on black cover

### Applications:

The cement silo hose of ContiTech Schlauch GmbH is especially designed for use under rough working conditions in cement plants, on cement silo trucks, in building material stores and for forwarding agents.

The highly abrasion resistant lining ensures the safe transport of cement, concrete, sand, pebbles etc.

### Description:

- ▶ black, non-porous, smooth, highly abrasion resistant SBR lining
- ▶ working pressure up to 6 bar
- ▶ temperature range from -20°C up to +70°C
- ▶ reinforcements: synthetic fibres
- ▶ SBR cover, resistant to ozone and weather
- ▶ electrically conductive

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
3	75	5	6	≥ 18	750	1.500
3	75	9	6	≥ 18	750	3.000
3 1/2	90**	10	6	≥ 18	900	4.100
4	100**	10	6	≥ 18	1.000	4.700

\* based on room temperature

Delivery in coils of 40 m

\*\* minimum quantity 200 m

### Market segment industrial hoses

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# **ШЛАНГИ С БОЛЬШИМИ ДИАМЕТРАМИ**

# Big-bore hoses



## Application possibilities:

Big-bore hoses are made of high-quality, synthetic special-rubber compounds. They are manufactured on state-of-the-art, electronically controlled large-hose units.

The various production technologies guarantee an absolutely uniform product quality.

An overriding quality assurance system to DIN EN ISO 9001 : 2000 monitors the production process throughout. These hoses are used wherever high quality and long service life are per se prerequisites for the efficient transport of all types of products.

Typical application possibilities are to be found particularly in offshore technology, in material handling, large-tank units, the ironworks industry, mining and the building trade.

**We manufacture these hoses to the customer's specific requirements, with inside diameters of 80 mm to >1200 mm.**

**Kindly send us your detailed inquiry!**

## Applications:

- ▶ Wastewater hoses
- ▶ Concrete- and cement-handling hoses
- ▶ Bunker hoses (light- and heavy-weight types)
- ▶ Sewage hoses
- ▶ Fish pump hoses
- ▶ Liquid gas hoses (e.g. for butane, propane)
- ▶ Granulate transport hoses
- ▶ Industrial hoses (general)
- ▶ Cooling hoses for industrial plants
- ▶ Compressed air hoses
- ▶ Oxygen hoses
- ▶ Sludge hoses
- ▶ Floating hoses
- ▶ Spiral hoses (general)
- ▶ Underwater hoses

## Market segment industrial hoses

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# Big-bore hoses



## Socket ends and flange dimensions

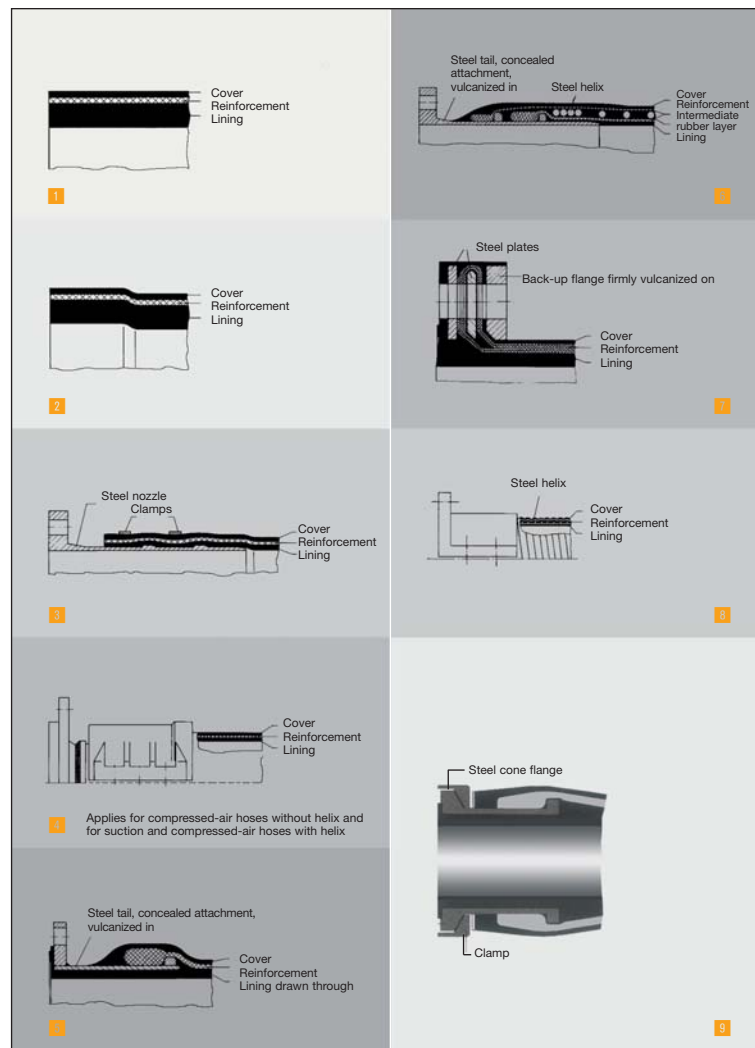
The dimensions of the expanded socket ends are manufactured to your specifications.

Flange dimensions are matched to the required connections.

## Connections

Big-bore hoses can be manufactured in the requisite dimensions and with the desired connection to satisfy operating conditions of all kinds. ContiTech offers the following connection types

- 1 Straight socket ends
- 2 Expanded socket ends
- 3 Steel nozzle and flange fastened with clamps
- 4 Hose with clamp fittings
- 5 Steel nozzle, concealed attachment, vulcanized in, with lining drawn through
- 6 Steel nozzle, concealed attachment, vulcanized in, without lining drawn through
- 7 Special rubber flange
- 8 Compact systems
- 9 Steel cone flange with clamp, lining drawn through



## Market segment industrial hoses

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# **ШЛАНГИ ХИМИЧЕСКИЕ И ТОПЛИВНЫЕ**

# Chemical and Refuelling Hoses



## Applications:

The product range of chemical hoses of ContiTech Schlauch GmbH includes the whole spectrum of hoses according to EN 12115 for chemical, petrochemical and pharmaceutical applications. Special manufacturing processes of which some are patented guarantee the safe transport of various liquids.

That includes hoses with elastomere or plastics linings as well as specialties like the "hose-in-hose system" for vapour recovery at petrol stations.

In addition, ContiTech offer high-quality refuelling hoses for aircrafts, tank-truck hoses and bunker hoses for loading and unloading of ships at harbours, channels and tank ships worldwide.

These products are distributed by our partner ELAFLEX.



ELAFLEX - Gummi Ehlers GmbH  
Schnackenburgallee 121  
D-22525 Hamburg (Eidelstedt)  
Phone +49 (0) 40 540 00 50  
Fax +49 (0) 40 540 00 567  
eMail info@elaflex.de

## Description:

### Petrol station hoses

- ▶ lightweight, flexible, kink- and weather resistant
- ▶ conductive
- ▶ retractable
- ▶ guaranteeing no increase in volume, appropriate for gauging
- ▶ good resistance to swelling and diffusion
- ▶ automatic vapour recovery by means of "hose-in-hose system"
- ▶ bright colours available, not discolouring

### Aircraft refuelling hoses

- ▶ extremely impermeable and particularly pressure-proof
- ▶ resistant to kerosene and mechanical stress
- ▶ marking with fluorescent colours
- ▶ the high safety standards of the mineral oil companies are being excelled

### Tank-truck hoses

- ▶ flexible, lightweight and resistant to overrunning by trucks\*
- ▶ easy to handle
- ▶ operational at a wide temperature range

### Bunker hoses

- ▶ for loading and unloading ships
- ▶ suitable even for the reliable transport of heavy oil, motor gasoline or hot bitumen

\* without steel wire helix only

## Market segment industrial hoses

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# **ДРУГИЕ ПРОМЫШЛЕННЫЕ ШЛАНГИ**

# TRIX® Color spray hose EPDM for easy and safe varnishing



**Marking:** 6 orange axially applied stripes on black cover;  
"PHOENIX TRIX Farbspritzschlauch EPDM DN 9 Betriebsdruck 10 bar Made in Germany"

## Applications:

The TRIX® color spray hose EPDM is the ideal product for paint shops, dockyards, painters and many other industrial applications.

It is highly flexible, non-kinking, non-buckling, and its smooth lining is especially suitable for conveying spirit lacquer, nitro cellulose lacquer, chlorine rubber lacquer, polyurethane lacquer, epoxy lacquer, latex paint, and many other materials around varnishing and painting.

## Description:

- ▶ black, non-porous and smooth EPDM lining
- ▶ working pressure up to 10 bar
- ▶ temperature range from -40°C up to +100°C
- ▶ reinforcements: synthetic fibres
- ▶ black EPDM-cover, resistant to ozone and weather
- ▶ release agent- and fat-free, free from any product harmful to lacquer
- ▶ electrically conductive,  $R < 10^6 \Omega$

## Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
3/8	9	3,5	10	≥ 40	45	230

\* based on room temperature

Delivery in coils of 40 m

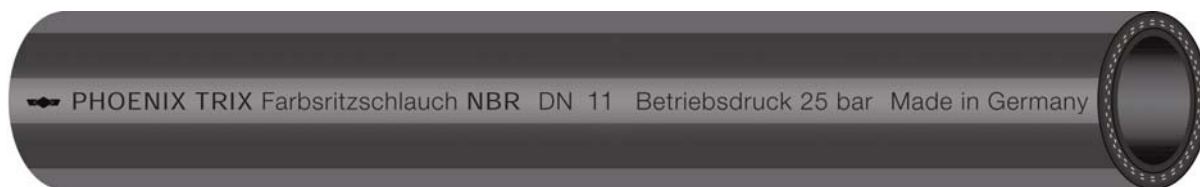
## Market segment industrial hoses

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# TRIX® Color spray hose NBR for easy and safe varnishing



**Marking:** 6 grey axially applied stripes on black cover;  
"PHOENIX TRIX Farbspritzschlauch NBR DN 11 Betriebsdruck 25 bar Made in Germany"

## Applications:

The TRIX® color spray hose NBR is the ideal product for paint shops, dockyards, painters and many other industrial applications.

It is highly flexible, non-kinking, non-buckling, and its smooth lining is especially suitable for conveying alkyd resin lacquers, latex paint, spirit lacquers and polyester lacquers (2 components).

## Description:

- ▶ black, non-porous and smooth NBR lining
- ▶ working pressure up to 25 bar
- ▶ temperature range from -30°C up to +80°C
- ▶ reinforcements: synthetic fibres
- ▶ black NBR-cover, resistant to ozone and weather
- ▶ release agent- and fat-free, free from any product harmful to lacquer
- ▶ electrically conductive,  $R < 10^6 \Omega$

## Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/4	6	3,5	25	≥ 100	30	170
3/8	9	3,5	25	≥ 100	45	230
7/16	11	4,0	25	≥ 100	55	260

\* based on room temperature

Delivery in coils of 40 m

## Market segment industrial hoses

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# Spray painting hose PA

## The reliable specialist



**Marking:** Black lettering "CONTI - M-R < 1.000.000 OHM" on grey cover

### Applications:

The very high requirements, necessary for safe and reliable spray painting hoses, are achieved by using the right type of materials and well tested construction and production technologies.

Relevant specifications (e.g. TRbF 131/2) as well as the specific requirements set up by the end users qualify the high standard of this product.

The hose with PA lining can be used for conveying polar and aromatic solvents, paints, lacquers, glue and oils.

The spray painting hose PA of ContiTech Schlauch GmbH is an example of high quality and safety thus offering a maximum of economy.

### Description:

- ▶ black, non-porous, smooth and high abrasion resistant PA lining
- ▶ working pressure up to 25 bar
- ▶ temperature range from -25°C up to +80°C
- ▶ reinforcements: synthetic fibres
- ▶ grey NBR-cover, resistant to ozone, weather
- ▶ electrically conductive,  $R < 10^6 \Omega$

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius approx. mm	Weight approx. g/m
1/4	6	2,5	25	≥ 100	60	86
1/3	8	3,0	25	≥ 100	80	140
3/8	9	3,5	25	≥ 100	90	184
1/2	13	3,5	25	≥ 100	130	240

\* based on room temperature

Delivery in coils of 20 m

### Market segment industrial hoses

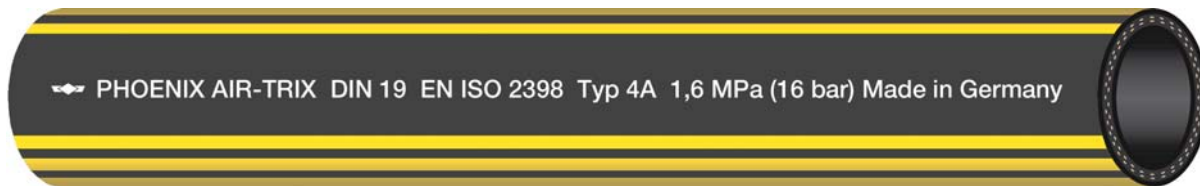
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# Air-TRIX compressed air hose

## According to EN ISO 2398, type 4A



**Marking:** 2x3 yellow axially applied stripes on black cover interrupted by white lettering  
"PHOENIX AIR-TRIX DN 19 EN ISO 2398 Typ 4A 1,6 MPa (16 bar) Made in Germany"

### Applications:

The Air-TRIX compressed air hose is the reliable and safe hose for heavy duty service for quarrying, over-ground and underground workings, for use on compressed air tools or compressors, industrial applications, for the metallurgical industry, shipyards, petrol stations and garages.

### Description:

- ▶ black, non-potous, smooth SBR/EPDM lining
- ▶ working pressure up to 16 bar
- ▶ temperature range from -25°C up to +70°C
- ▶ Druckträger: synthetische Garne
- ▶ black SBR/EPDM cover, resistant to ozone and weather
- ▶ highly flexible, robust, non-buckling, dimensionally stable
- ▶ electrically conductive,  $R < 10^6 \Omega$

### Technical data:

Nominal width Zoll/Inch	Inner-Ø mm	Type Class	Wall thickness mm	Working pressure* bar	Minimum burst pressure* bar	Minimum bending radius ca. mm	Weight ca. g/m
1/4	6,3	4A	4,0	16	≥ 64	40	200
3/8	9,0	4A	4,0	16	≥ 64	45	250
3/8	10,0	4A	4,5	16	≥ 64	55	340
1/2	13,0	4A	4,5	16	≥ 64	70	410
19/32	15,0	4A	5,5	16	≥ 64	80	460
3/4	19,0	4A	5,5	16	≥ 64	100	590
1	25,0	4A	6,5	16	≥ 64	130	1.000

\* based on room temperature

Delivery in coils of 40 m

### Market segment industrial hoses

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