



Always the perfect choice
Rubber hoses for industrial
applications

Continental Industrial Solutions | EMEA

The first choice for material-driven solutions.
We connect, convey and cover with passion
for our industries.



WE CONNECT, CONVEY, COVER



ContiTech is one of the world's leading industrial specialists. This division of the Continental group offers its customers connected, environmentally friendly, safe and convenient industrial and service solutions using a range of materials for off-highway applications, on rail and road, in the air, below and above ground, in industrial environments, for the food sector and the furniture industry - far beyond our roots as a manufacturer of rubber products.

We act as **ONE ContiTech**, creating high value solutions to connect, convey and cover customer requirements.

- › We **connect** customer and market perspectives in order to understand our customers' expectations in the best way.
- › We **convey** ideas for improvement in our daily business to limit potential dangers and risks along the product life cycle and commit to their reduction.
- › We **cover** any requirements and standards that we have promised to deliver, without compromises.

Quality is our passion.



The ContiTech division operates in five business areas:

- › Industrial Solutions for the AMERICAS, EMEA, APAC
- › Original Equipment Solutions
- › Surface Solutions

And we offer premium solutions for a wide range of industries:

- › Aerospace
- › Agriculture and Forestry
- › Commercial Vehicles
- › Construction
- › Energy Management
- › Food Chain Processing
- › Home, Garden & Leisure
- › Industrial Safety
- › Materials Handling
- › Mining
- › Automobiles
- › Printing Technology
- › Rail Transport
- › Recycling, Wastewater & Air Treatment
- › Shipping, Ports and Ocean
- › Urban Mobility

THE ARTERIES OF YOUR PRODUCTION.

Today everything is connected, digitalized and automated. However, even the most modern production lines come to a standstill if the necessary media can't be reliably conveyed from point A to point B.

That's why you should never compromise when it comes to industrial hoses – and rely on Continental's decades-long track record of superior quality.

For healthy arteries in your production.

Please note the following with regard to the information on our product data sheets:

The content of these publications is not binding. The information provided reflects the current state of technology and is provided subject to errors and technical changes. For more information concerning this disclaimer, please see <https://www.continental-industry.com/global/en/general/disclaimer-publications>. You will also find our Terms and Conditions at <https://www.continental-industry.com/global/en/footer/sales-conditions>.

Warranty terms always apply to proven material and manufacturing defects, provided that any fittings have been installed properly, the recommended operating conditions have been followed, and the hose material has been used correctly.

Cleaning and sterilization procedures using steam must be performed exclusively in an open system without pressure, taking into account the temperature specifications for the

relevant hose type. Metric values and bar measurements are shown first, while inch values and psi measurements are rounded off.

Pressure and vacuum values are based on room temperature. Increased pressure or temperature stress can have a negative impact on service life. Performance specifications (such as operating pressure, temperature, bending radius etc.) must be considered in isolation. Continuous operation of the hoses at the limits of the specified parameters will shorten their service life.

The length tolerances specified in EN ISO 1307:2006 apply. The product data sheets list the available standard nominal diameters. For information regarding the classification of products as stock items or custom-made items with corresponding minimum order quantities, please refer to the details in our price lists.



1001 Challenges.

With us you will master every one of them.

Our rubber hoses help you to increase safety and efficiency in industrial, commercial and municipal applications - while effortlessly meeting the growing demands for sustainability.

Special rubber compounds and reinforcement materials, state-of-the-art manufacturing processes and decades of experience in hose manufacturing, combined with comprehensive quality controls throughout the entire production process, ensure that our industrial hoses are safe and durable - perfectly tailored to your requirements in terms of temperature resistance, pressure, durability and flexibility.

Our wide range of products offers solutions for the most diverse requirements. These include industrial hoses for safely conveying, among other materials,

- › water
- › food and beverages
- › cosmetics and pharmaceutical media
- › steam and cleaning agents
- › abrasive media
- › air and gas
- › hydraulic fluids
- › oils and fuels
- › chemicals

Your benefits



Numerous patents, unrivalled expertise in materials and processes spanning more than 150 years



Experience in simultaneous engineering and development partnerships, extensive R&D facilities



Fast availability and short delivery times thanks to global production and logistics centers



High sustainability standards, environment-friendly production in accordance with ISO 140011



Cutting-edge manufacturing with flexible production lines



Precise extrusion results, product-specific braiding technologies and vulcanization processes



Process-integrated quality assurance, automated final inspection, in-house testing laboratories

Wasserschläuche
Water Hoses

1

Schläuche für die Lebensmittel- und Getränkeindustrie
Hoses for the Food and Beverage Industry

2

Dampf- und Reinigungsschläuche
Steam and Cleaning Hoses

3

Luft- und Vielzweckschläuche
Air and Multipurpose Hoses

4

Schweiß- und Gasschläuche
Welding and Gas Hoses

5

Chemieschläuche
Chemical Hoses

6

Materialtransport-, Zement- & Betonförderschläuche
Material Handling, Cement and Concrete Hoses

7

Öl- und Kraftstoffschläuche
Oil and Fuel Hoses

8

Spezielle Anwendungen
Special Applications

9

Anhang
Appendix

10



Wasserschläuche

Water Hoses



GOLD SNAKE

The high-grade water and cleaning hose



MARKING: yellow wavy line on black cover, axially applied "Continental DN 13 Charge"

APPLICATIONS

Construction industry, General industry, Landscaping and gardening, Machinery and plant engineering, Municipal enterprises, Open land

FLOW MEDIUM

Cooling water, Water

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: CR, black, fabric patterned

Working pressure up to: 30 bar / 435 psi

Temperature range: from -30 °C / -22 °F up to +100 °C / +212 °F

Dampable up to: +130 °C / +266 °F (max. 30 minutes)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
3/8	10	3.6	17.2	40	30	435	90	1305	45	160
1/2	13	3.9	20.8	40	30	435	90	1305	50	225
5/8	16	3.6	23.2	40	25	363	75	1088	70	260
3/4	19	4.4	27.8	40	25	363	75	1088	80	333
7/8	22	4.5	31	40	20	290	60	870	100	430
1	25	4.5	34	40	20	290	60	870	160	490
1 1/4	32	5.5	43	40	12	174	36	522	175	760
1 1/2	38	6.5	51	40	12	174	36	522	250	1050
1 3/4	45	7.5	60	40	10	145	30	435	290	1480
2	50	7.5	65	40	10	145	30	435	300	1580
3	75	8	91	40	10	145	30	435	700	2377

Temperature resistance applies only to materials used / All technical data apply at room temperature



TRIX SUPER

The high-grade water hose



MARKING: 2 yellow markings on black cover opposite each other " Continental TRIX® SUPER DN 13 PN 30 BAR / 435 PSI Ω-CL Made in Germany"

APPLICATIONS

Agriculture, Construction industry, Foundries, Machinery and plant engineering, Municipal enterprises, Oil and chemicals processing industry, Steel and iron industry

FLOW MEDIUM

Cooling water, Water

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: EPDM, black, smooth

Working pressure up to: 30 bar / 435 psi

Temperature range: from -40 °C / -40 °F up to +100 °C / +212 °F

Dampable up to: +130 °C / +266 °F (max. 30 minutes)

Further properties: Length independently electrically conductive, Ω-CL (acc. to EN ISO 8031)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
3/8	10	3.5	17	50	30	435	90	1305	35	225
1/2	13	4	21	50	30	435	90	1305	50	315
3/4	19	4.5	28	50	30	435	90	1305	65	480
1	25	5	35	50	30	435	90	1305	110	650

Temperature resistance applies only to materials used / All technical data apply at room temperature / Definition acc. EN ISO 8031: Ω-CL: $R < 10^6 \Omega$ per assembly (conductive cover & lining) / Ω-C: $R < 10^6 \Omega$ per assembly (conductive cover)



TRIX ROTSTRAHL

The professional water hose



MARKING: 6 red axially applied stripes on black cover "Continental TRIX ROTSTRAHL® DN 13 PN 20 BAR / 290 PSI Made in Germany"

APPLICATIONS

Agricultural sector, Fleets, General industry, Industry, Landscaping and gardening, Mining industry, Municipal enterprises, Over- and underground workings, Workshops

FLOW MEDIUM

Cooling water, Water

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: EPDM, black, smooth, from DN 28 upward fabric patterned

Working pressure up to: 20 bar / 290 psi

Temperature range: from -40 °C / -40 °F up to +100 °C / +212 °F

TECHNICAL DATA

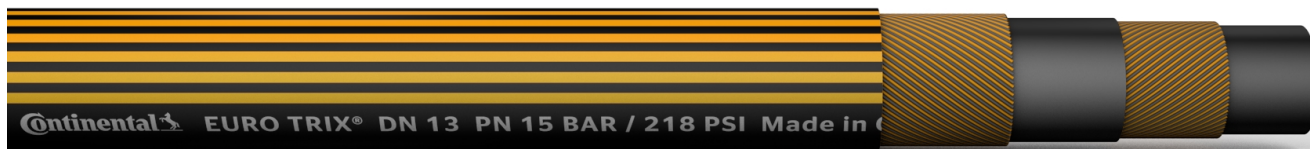
nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/2	13	3.3	19.6	40	20	290	60	870	50	245
1/2	13	3.3	19.6	50	20	290	60	870	50	245
1/2	13	3.3	19.6	80	20	290	60	870	50	245
5/8	16	3.5	23	40	20	290	60	870	60	330
3/4	19	4	27	40	20	290	60	870	65	435
3/4	19	4	27	50	20	290	60	870	65	435
3/4	19	4	27	80	20	290	60	870	65	435
7/8	22	4.5	31	40	20	290	60	870	70	520
1	25	4.5	34	40	20	290	60	870	110	580
1	25	4.5	34	50	20	290	60	870	110	580
1 1/8	28	5	38	40	15	218	45	653	120	715
1 3/16	30	5.5	41	40	15	218	45	653	140	835
1 1/4	32	5.5	43	40	15	218	45	653	170	890
1 3/8	35	5.5	46	40	15	218	45	653	180	940
1 1/2	38	6	50	40	15	218	45	653	200	1100
1 9/16	40	6	52	40	15	218	45	653	240	1150
1 5/8	42	6	54	40	10	145	30	435	250	1250
2	50	7	64	40	10	145	30	435	300	1565

Temperature resistance applies only to materials used / All technical data apply at room temperature



EURO TRIX

The versatile water hose



MARKING: 6 orange stripes, axially applied, on black cover " Continental EURO TRIX® DN 13 PN 15 BAR / 218 PSI Made in Germany"

APPLICATIONS

Agricultural sector, Construction industry, Fleets, General industry, Industry, Landscaping and gardening, Mining industry, Municipal enterprises, Over- and underground workings, Workshops

FLOW MEDIUM

Cooling water, Water

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: EPDM, black, smooth

Working pressure up to: 15 bar / 218 psi

Temperature range: from -20 °C / -4 °F up to +100 °C / +212 °F

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/2	13	3.5	20	40	15	218	45	653	50	265
5/8	16	3.8	23.6	40	15	218	45	653	65	360
3/4	19	4	27	40	15	218	45	653	70	435
1	25	4.5	34	40	15	218	45	653	120	580

Temperature resistance applies only to materials used / All technical data apply at room temperature



THERMIDOR

The versatile water hose



MARKING: 3 yellow stripes, axially applied, on black cover "Continental THERMIDOR® DN 13 PN 15 BAR / 218 PSI Made in Germany"

APPLICATIONS

Agricultural sector, Construction industry, Fleets, General industry, Industry, Landscaping and gardening, Mobile or stationary hose lines, Municipal enterprises

FLOW MEDIUM

Cooling water, Water

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: EPDM, black, smooth

Working pressure up to: 15 bar / 218 psi

Temperature range: from -40 °C / -40 °F up to +100 °C / +212 °F

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/2	13	3.3	19.6	25	15	218	45	653	105	215
1/2	13	3.3	19.6	50	15	218	45	653	105	215
5/8	15	3.3	21.6	25	15	218	45	653	120	280
5/8	15	3.3	21.6	50	15	218	45	653	120	280
3/4	19	3.8	26.6	25	15	218	45	653	150	390
3/4	19	3.8	26.6	50	15	218	45	653	150	390
1	25	4.3	33.6	25	15	218	45	653	200	550
1	25	4.3	33.6	50	15	218	45	653	200	550
1 3/16	30	4.8	39.6	20	10	145	30	435	240	720
1 3/16	30	4.8	39.6	40	10	145	30	435	240	720

Temperature resistance applies only to materials used / All technical data apply at room temperature



TRIX HIGH PRESSURE HOSE

for washing machines and dishwashers



MARKING: Continental TRIX® Hochdruckzulaufschlauch DN 13 PN 30 BAR / 435 PSI Made in Germany

APPLICATIONS

White goods industry

FLOW MEDIUM

Water

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: EPDM, grey, smooth

Working pressure up to: 30 bar / 435 psi

Temperature range: up to +95 °C / +203 °F

TECHNICAL DATA

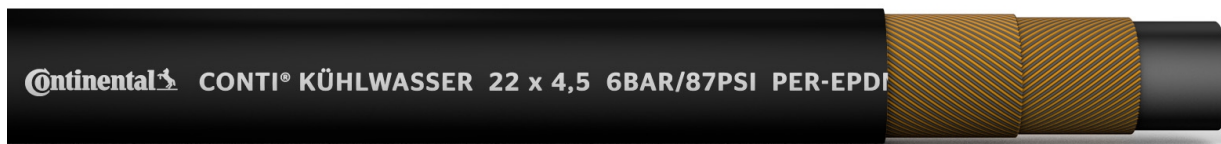
nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/2	13	3.5	20	40	30	435	90	1305	46	315

Temperature resistance applies only to materials used / All technical data apply at room temperature



CONTI COOLING WATER HOSE

For heating and cooling systems



MARKING: Continental CONTI® KÜHLWASSER 22 x 4,5 6 BAR / 87 PSI PER-EPDM/AR/PER-EPDM MADE IN GERMANY

APPLICATIONS

Agriculture, Cooling and heating systems, Cooling systems in combustion engines, Garages, General industry, Machinery and plant engineering, Workshops

FLOW MEDIUM

Antifreeze and corrosion inhibitors, Cooling water, Water

DESCRIPTION

Inner lining: per-EPDM, black, non-porous, smooth
Reinforcements: Aramid
Cover: per-EPDM, black, smooth, from DN 25 upward fabric patterned
Working pressure up to: 6 bar / 87 psi
Temperature range: from -40 °C / -40 °F up to +135 °C / +275 °F

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6	3.5	13	40	6	87	18	261	45	125
5/16	8	3.5	15	40	6	87	18	261	70	150
3/8	10	4.5	19	40	6	87	18	261	75	240
1/2	12	4.5	21	40	6	87	18	261	100	272
5/8	15	4.5	24	40	6	87	18	261	135	321
3/4	18	4.5	27	40	6	87	18	261	165	371
3/4	20	4.5	29	40	6	87	18	261	195	403
7/8	22	4.5	31	40	6	87	18	261	200	436
1	25	4.5	34	40	6	87	18	261	240	482
1 1/8	28	4.5	37	40	6	87	18	261	280	532
1 3/16	30	6	42	40	6	87	18	261	300	788
1 1/4	32	6	44	40	6	87	18	261	320	826
1 3/8	35	6	47	40	6	87	18	261	350	896
1 1/2	38	6	50	40	6	87	18	261	380	963
1 5/8	42	6	54	40	6	87	18	261	420	1050
1 3/4	45	6	57	40	6	87	18	261	450	1115
2	50	6	62	40	6	87	18	261	500	1226
2 1/8	55	6	67	40	3	44	9	131	550	1323
2 3/8	60	6	72	40	3	44	9	131	600	1437
2 5/8	65	6	77	40	3	44	9	131	650	1547
2 3/4	70	6	82	40	3	44	9	131	700	1656
3 1/8	80	6	92	20	3	44	9	131	800	1867
4	100	6	112	10	3	44	9	131	1000	2313

The specified bending radii apply from DN 50 for pressurized hose at min. 0.7bar / Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions upon request

Industrial Solutions EMEA

ContiTech Deutschland GmbH
 Continental-Plaza 1 | 30175 Hannover, Germany
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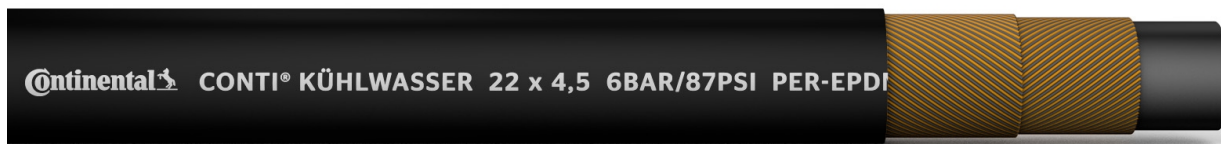
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CONTI COOLING WATER HOSE - 2M

For heating and cooling systems



MARKING: Continental CONTI® KÜHLWASSER 22 x 4,5 6 BAR / 87 PSI PER-EPDM/AR/PER-EPDM MADE IN GERMANY

APPLICATIONS

Agriculture, Cooling and heating systems, Cooling systems in combustion engines, Garages, General industry, Machinery and plant engineering, Workshops

FLOW MEDIUM

Antifreeze and corrosion inhibitors, Cooling water, Water

DESCRIPTION

Inner lining: per-EPDM, black, non-porous, smooth
Reinforcements: Aramid
Cover: per-EPDM, black, smooth, from DN 25 upward fabric patterned
Working pressure up to: 6 bar / 87 psi
Temperature range: from -40 °C / -40 °F up to +135 °C / +275 °F

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6	3.5	13	2	6	87	18	261	45	125
5/16	8	3.5	15	2	6	87	18	261	70	150
3/8	10	4.5	19	2	6	87	18	261	75	240
1/2	12	4.5	21	2	6	87	18	261	100	272
5/8	15	4.5	24	2	6	87	18	261	135	321
3/4	18	4.5	27	2	6	87	18	261	165	371
3/4	20	4.5	29	2	6	87	18	261	195	403
7/8	22	4.5	31	2	6	87	18	261	200	436
1	25	4.5	34	2	6	87	18	261	240	482
1 1/8	28	4.5	37	2	6	87	18	261	280	532
1 3/16	30	6	42	2	6	87	18	261	300	788
1 1/4	32	6	44	2	6	87	18	261	320	826
1 3/8	35	6	47	2	6	87	18	261	350	896
1 1/2	38	6	50	2	6	87	18	261	380	963
1 5/8	42	6	54	2	6	87	18	261	420	1050
1 3/4	45	6	57	2	6	87	18	261	450	1115
2	50	6	62	2	6	87	18	261	500	1226
2 1/8	55	6	67	2	3	44	9	131	550	1323
2 3/8	60	6	72	2	3	44	9	131	600	1401
2 5/8	65	6	77	2	3	44	9	131	650	1547
2 3/4	70	6	82	2	3	44	9	131	700	1656
3	75	6	87	2	3	44	9	131	750	1724
3 1/8	80	6	92	2	3	44	9	131	800	1867
4	100	6	112	2	3	44	9	131	1000	2313

The specified bending radii apply from DN 50 for pressurized hose at min. 0.7bar / Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions upon request

Industrial Solutions EMEA

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 Continental-Plaza 1 | 30175 Hannover, Germany
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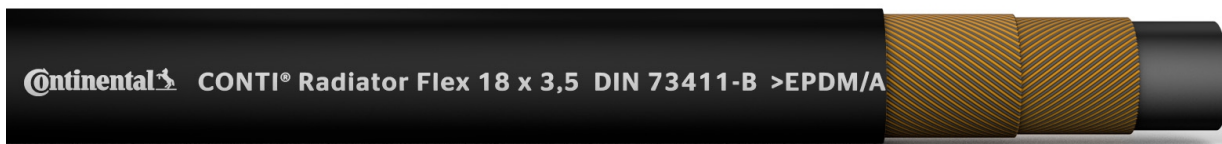
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CONTI RADIATOR FLEX

For heating and cooling systems



MARKING: Continental CONTI® Radiator Flex 18 x 3,5 DIN73411-B >EPDM/AR/EPDM< Made in Germany

APPLICATIONS

Agriculture, Cooling and heating systems, Cooling systems in combustion engines, Garages, General industry, Machinery and plant engineering, Workshops

FLOW MEDIUM

Antifreeze and corrosion inhibitors, Cooling water, Water

DESCRIPTION

Inner lining: per-EPDM, black, non-porous, smooth

Reinforcements: Aramid

Cover: per-EPDM, black, smooth

Working pressure up to: 3 bar / 44 psi

Temperature range: from -40 °C / -40 °F up to +135 °C / +275 °F

STANDARD / APPROVAL

DIN

73411-B

TECHNICAL DATA

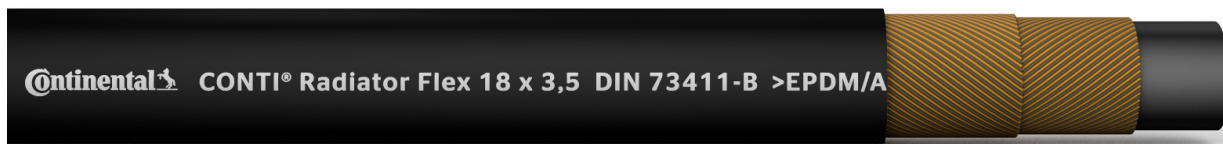
nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
5/16	8	3.5	15	40	3	44	12	174	70	152
3/8	10	3.5	17	40	3	44	12	174	85	175
1/2	12	3.5	19	40	3	44	12	174	95	201
5/8	16	3.5	23	40	3	44	12	174	115	254
3/4	18	3.5	25	40	3	44	12	174	125	280

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions upon request



CONTI RADIATOR FLEX - 2 M

For heating and cooling systems



MARKING: Continental CONTI® Radiator FLEX 18 x 3,5 DIN73411-B >EPDM/AR/EPDM< Made in Germany

APPLICATIONS

Agriculture, Cooling and heating systems, Cooling systems in combustion engines, Garages, General industry, Machinery and plant engineering, Workshops

FLOW MEDIUM

Antifreeze and corrosion inhibitors, Cooling water, Water

DESCRIPTION

Inner lining: per-EPDM, black, non-porous, smooth

Reinforcements: Aramid

Cover: per-EPDM, black, smooth

Working pressure up to: 3 bar / 44 psi

Temperature range: from -40 °C / -40 °F up to +135 °C / +275 °F

STANDARD / APPROVAL

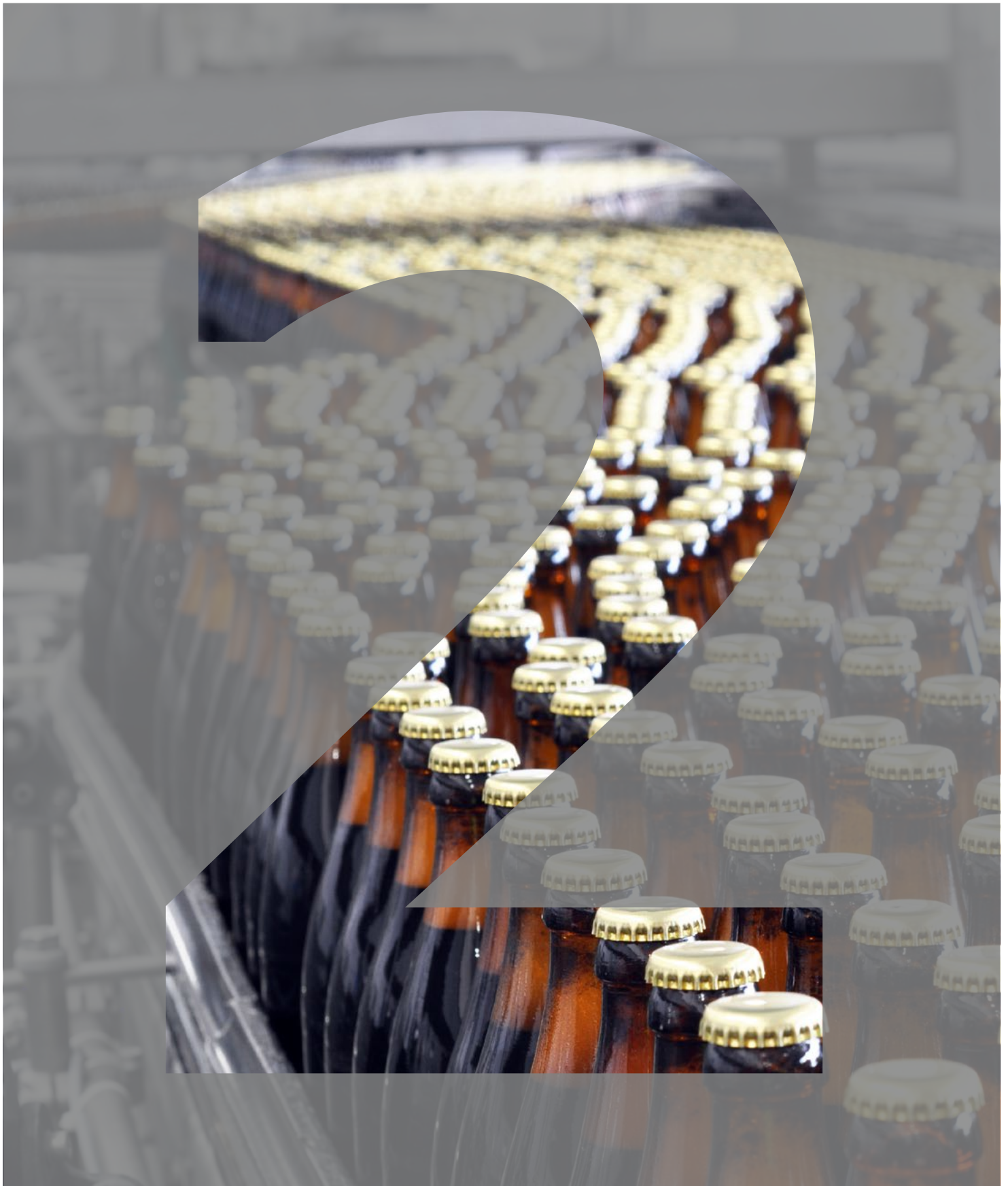
DIN

73411-B

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
5/16	8	3.5	15	2	3	44	12	174	70	152
3/8	10	3.5	17	2	3	44	12	174	85	175
1/2	12	3.5	19	2	3	44	12	174	95	201
5/8	16	3.5	23	2	3	44	12	174	115	254
3/4	18	3.5	25	2	3	44	12	174	125	280

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions upon request



Schläuche für die Lebensmittel- und Getränkeindustrie

Hoses for the Food and Beverage Industry



BLAUDIECK SUPER

The SUPERSTAR for the food & beverage industry



MARKING: 2 white stripes on a blue background, applied in a spiral "Continental BLAUDIECK SUPER Glas-/Gabel-Symbol EC 1935/2004 Made in Germany"

APPLICATIONS

Beverage industry, Breweries, Convenience food industry, Dairies, Foodstuff industry, Industrial processing of flavorings, seasonings, gourmet food, fruit juices, lemonades & confectionery, Milk processing industry

FLOW MEDIUM

Media that fall under food simulants A, B, C, D1 and D2 according to EU 10/2011 (aqueous, greasy and oily foods, foods with a pH<4.5, alcoholic foods up to an ethanol content of 95%)

STANDARD / APPROVAL

EC

1935/2004

EU

10/2011 incl.
2020/1245

BfR

Recommendation
XXI, Cat. 2

FDA

Regulation
177.1520 for inner
liner material

DESCRIPTION

Inner lining: UPE, white, non-porous, plasticizer-free, smooth

Reinforcements: Synthetic fibres

Cover: NBR, blue, fabric patterned, abrasion resistant, ozone-resistant

Working pressure up to: 16 bar / 232 psi

Temperature range: from -30 °C / -22 °F up to +95 °C / +203 °F
up to +110 °C / +230 °F (max. 60 minutes)

Dampable up to: +130 °C / +266 °F (max. 30 minutes)

Further properties: Lining and cover both resistant to oil and fats

Recommended fittings system PAGUFIX & PAGUCLAMP

Resistant to cleaning and disinfecting agents and chemicals according to the Continental resistance list

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		vacuum		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	bar	mmHG	aprx. mm	aprx. g/ m
1	25	6	37	40	16	232	48	696	-0.6	-450	150	700
1 1/4	32	8	48	40	16	232	48	696	-0.6	-450	200	1200
1 1/2	38	9	56	40	16	232	48	696	-0.6	-450	250	1700
1 9/16	40	9	58	40	16	232	48	696	-0.6	-450	250	1700
2	50	10	70	40	16	232	48	696	-0.5	-375	350	2150
2 1/2	63	12	87	40	16	232	48	696	-0.5	-375	450	3450
2 5/8	65	12	89	40	16	232	48	696	-0.5	-375	450	3500
3	75	12	99	40	16	232	48	696	-0.4	-300	500	3600
3 1/8	80	14	108	40	16	232	48	696	-0.4	-300	650	4600
4	100	15	130	40	16	232	48	696	-0.4	-300	750	6850

Temperature resistance applies only to materials used / All technical data apply at room temperature / Steam information applies to saturated steam / Attention: Superheated steam will reduce the durability considerably / Other dimensions upon request



BLAUDIECK SUPER - WITH HELIX

The SUPERSTAR for the food & beverage industry



MARKING: 2 white stripes on a blue background, applied in a spiral "Continental BLAUDIECK SUPER Glas-/Gabel-Symbol EC 1935/2004 Made in Germany"

APPLICATIONS

Beverage industry, Breweries, Convenience food industry, Dairies, Foodstuff industry, Industrial processing of flavorings, seasonings, gourmet food, fruit juices, lemonades & confectionery, Milk processing industry

FLOW MEDIUM

Media that fall under food simulants A, B, C, D1 and D2 according to EU 10/2011 (aqueous, greasy and oily foods, foods with a pH<4.5, alcoholic foods up to an ethanol content of 95%)

STANDARD / APPROVAL

EC

1935/2004

EU

10/2011 incl.
2020/1245

BfR

Recommendation
XXI, Cat. 2

FDA

Regulation
177.1520 for inner
liner material

DESCRIPTION

Inner lining: UPE, white, non-porous, plasticizer-free, smooth

Reinforcements: Synthetic fibres
With integrated steel wire helix

Cover: NBR, blue, fabric patterned, abrasion resistant, ozone-resistant

Working pressure up to: 16 bar / 232 psi

Temperature range: from -30 °C / -22 °F up to +95 °C / +203 °F
up to +110 °C / +230 °F (max. 60 minutes)

Dampable up to: +130 °C / +266 °F (max. 30 minutes)

Further properties: Lining and cover both resistant to oil and fats
Recommended fittings system PAGUFIX & PAGUCLAMP

Resistant to cleaning and disinfecting agents and chemicals according to the Continental resistance list

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	helix	working pressure		min. burst pressure		vacuum		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	helix	bar	psi	bar	psi	bar	mmHG	aprx. mm	aprx. g/ m
3/4	19	5	29	40	●	16	232	48	696	-0.8	-600	150	450
1	25	6	37	40	●	16	232	48	696	-0.8	-600	150	750
1 1/4	32	6	44	40	●	16	232	48	696	-0.8	-600	200	1050
1 1/2	38	6.5	51	40	●	16	232	48	696	-0.8	-600	250	1300
2	50	8	66	40	●	16	232	48	696	-0.8	-600	350	2000
2 1/2	63	8	79	40	●	16	232	48	696	-0.8	-600	450	2500
3	75	8	91	40	●	16	232	48	696	-0.8	-600	500	2900
4	100	9	118	40	●	16	232	48	696	-0.8	-600	750	4450

Temperature resistance applies only to materials used / All technical data apply at room temperature / Steam information applies to saturated steam / Attention: Superheated steam will reduce the durability considerably / Other dimensions upon request



BLAUDIECK SUPER CONDUCTIVE

The SUPERSTAR for the food & beverage industry



MARKING: 2 white stripes on a blue background, applied in a spiral "Continental BLAUDIECK SUPER Glas-/Gabel-Symbol EC 1935/2004 Made in Germany"

APPLICATIONS

Beverage industry, Breweries, Convenience food industry, Dairies, Foodstuff industry, Industrial processing of flavorings, seasonings, gourmet food, fruit juices, lemonades & confectionery, Milk processing industry

FLOW MEDIUM

Media that fall under food simulants A, B, C, D1 and D2 according to EU 10/2011 (aqueous, greasy and oily foods, foods with a pH<4.5, alcoholic foods up to an ethanol content of 95%)

STANDARD / APPROVAL

EC

1935/2004

EU

10/2011 incl.
2020/1245

BfR

Recommendation
XXI, Cat. 2

FDA

Regulation
177.1520 for inner
liner material

DESCRIPTION

Inner lining: UPE, white, non-porous, plasticizer-free, smooth, with black coiled OHM conductive strip

Reinforcements: Synthetic fibres
With integrated steel wire helix

Cover: NBR, blue, fabric patterned, abrasion resistant, ozone-resistant, with black coiled OHM conductive strip

Working pressure up to: 16 bar / 232 psi

Temperature range: from -30 °C / -22 °F up to +95 °C / +203 °F
up to +110 °C / +230 °F (max. 60 minutes)

Dampable up to: +130 °C / +266 °F (max. 30 minutes)

Further properties: Hose layers dissipative through the hose wall, $R < 10^9 \Omega$

Hose suited to use in ex-zones

Lining and cover both resistant to oil and fats

Recommended fittings system PAGUFIX & PAGUCLAMP

Resistant to cleaning and disinfecting agents and chemicals according to the Continental resistance list

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	helix	working pressure		min. burst pressure		vacuum		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	helix	bar	psi	bar	psi	bar	mmHG	aprx. mm	aprx. g/ m
3/4	19	5	29	40	●	16	232	48	696	-0.8	-600	150	450
1	25	6	37	40	●	16	232	48	696	-0.8	-600	150	700
1 1/4	32	6	44	40	●	16	232	48	696	-0.8	-600	200	990
1 1/2	38	6.5	51	40	●	16	232	48	696	-0.8	-600	250	1200
2	50	8	66	40	●	16	232	48	696	-0.8	-600	350	2050
2 1/2	63	8	79	40	●	16	232	48	696	-0.8	-600	450	2500
3	75	8	91	40	●	16	232	48	696	-0.8	-600	500	2850
4	100	9	118	40	●	16	232	48	696	-0.8	-600	750	4250

Temperature resistance applies only to materials used / All technical data apply at room temperature / Steam information applies to saturated steam / Attention: Superheated steam will reduce the durability considerably / Other dimensions upon request



PAGUFIX

The ideal swaged coupling for the beverage and food industry



LABEL: PAGUFIX® DN 50 1.4301/304

APPLICATIONS

Foodstuff industry, Other installations in the brewing, beverage and spirits industry

STANDARD / APPROVAL

DIN

11851 - 1.4301

DESCRIPTION

Working pressure up to: 16 bar / 232 psi

Further properties:

Customized laser marking on request

Easy crimping thanks to an optimized combination of ferrule and insert

No damage to lining through swaging process

Perfect seal of the hose end (no wicking effect)

Smooth and hygienically clean connection, without any transition between lining and fitting

Special types of couplings and other thread types available on request (e.g. SMS 1145, IDF ISO 2853, RJT BS 4825, DS 722, Aseptic DIN 11864 part 1, Clamp, weld-on end)

Very high compression strength and resistance to to pull-off forces, also with hot cleaning through ideal tooth geometry

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	working pressure		min. burst pressure		Female part incl. Groove nut and sleeve weight aprx. g/piece	Male part incl. Groove nut weight aprx. g/piece
Zoll/inch	mm	mm	bar	psi	bar	psi		
1/2	13	4.0	16	232	48	696	220	180
3/4	19	5.0	16	232	48	696	290	210
1	25	6.0	16	232	48	696	410	350
1 1/4	32	6.0	16	232	48	696	610	430
1 1/4	32	8.0	16	232	48	696	630	450
1 1/2	38	6.5	16	232	48	696	870	610
1 1/2	38	9.0	16	232	48	696	870	610
2	50	8.0	16	232	48	696	1110	830
2	50	10.0	16	232	48	696	1200	920
2 1/2	63	8.0	16	232	48	696	1500	1100
2 1/2	63	12.0	16	232	48	696	1600	1100
3	75	8.0	16	232	48	696	2115	1400
3	75	12.0	16	232	48	696	2130	1400
4	100	9.0	16	232	48	696	3030	1930
4	100	15.0	16	232	48	696	3050	1950

Pressure based on room temperature / High pressure and/or temperature lead to reduced component durability



PAGUCLAMP

The ideal half-shell fitting for the beverage and food industry



APPLICATIONS

Foodstuff industry, Milk processing industry, Other installations in the brewing, beverage and spirits industry

DESCRIPTION

Further properties:

- 1 set consisting of 2 half shells, 4 screws and 4 nuts
- For hoses with helix, use a reduced nozzle!
- Material: stainless steel
- No damage to lining through swaging process
- Optimally adapted to PAGUFIX® nozzles due to the coordinated tooth geometry
- Reusable
- Rubber protection rings available in blue
- Smooth and hygienically clean connection, without any transition between lining and fitting
- Very high compression strength and resistance to pull-off forces, also with hot cleaning through ideal tooth geometry

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø clamping range	weight
Zoll/inch	mm	mm	mm	aprx. g/St
1/2	13	4,0	19-22	181
3/4	19	5,0	26-29	222
1	25	6,0	36-39	402
1 1/4	32	6,0	43-46	436
		8,0	47-50	464
1 1/2	38	6,5	50-52	521
		9,0	55-58	580
2	50	8,0	64-67	727
		10,0	69-71	814
2 1/2	63	7,5	74-78	1060
		12		
3	75	8,0	89-93	1349
		12,0	98-101	1648
4	100	9,0	116-122	2065
		15,0	128-132	2163

Pressure based on room temperature / High pressure and/or temperature lead to reduced component durability



RUBBER PROTECTION RING

For fitting system PAGUFIX



DESCRIPTION

Inner lining: NR, blue

Further properties: Protects the hose and fitting from external damage in daily use

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	weight
zoll/inch	mm	mm	mm	aprx. g/ St
3/4	19	5	29	60
1	25	6	37	110
1 1/4	32	6	44	110
1 1/4	32	8	48	110
1 1/2	38	6.5	51	110
1 1/2	38	9	56	140
2	50	8	66	150
2	50	10	70	150
2 1/2	63	8	79	210
2 1/2	63	12	87	200
3	75	8	91	240
3	75	12	99	240
4	100	9	118	260
4	100	15	130	260

The dimensions given in the table refer to the respective hose dimensions



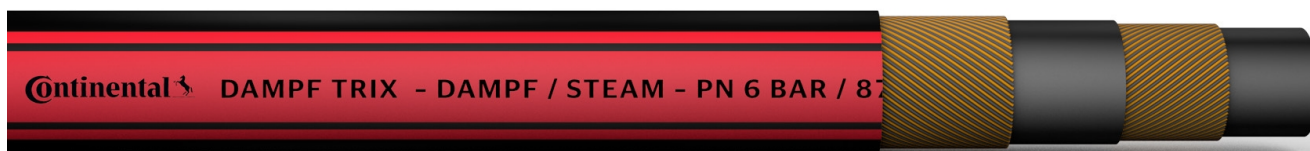
Dampf- und Reinigungsschläuche

Steam and Cleaning Hoses



DAMPF TRIX

For conveying saturated steam



MARKING: 3 red coloured axial markings on black cover "Continental DAMPF TRIX - DAMPF / STEAM - PN 6 BAR / 87 PSI - Ω Made in Germany"

APPLICATIONS

Construction industry, Machinery and plant engineering, Tank trucks

FLOW MEDIUM

Hot water, Steam, Water

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Aramid

Cover: EPDM, black, fabric patterned, abrasion resistant, ozone-resistant

Working pressure up to: 6 bar / 87 psi

Further properties: Temperature resistance: -30°C / -22°F to +120°C / 248°F (hot water), +164°C / +327°F (saturated water vapor) Temperature resistance: -30°C / -22°F to +120°C / 248°F (hot water), +164°C / +327°F (saturated water steam)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/2	13	6	25	40	6	87	60	870	130	389
3/4	19	7	33	40	6	87	60	870	190	626
1	25	7,5	40	40	6	87	60	870	250	860

Temperature resistance applies only to materials used / All technical data apply at room temperature / Attention: Superheated steam will reduce the durability considerably

DAMPF TRIX 6000 For conveying steam



MARKING: 3 red coloured axial markings on black cover "Continental DAMPF TRIX® 6000 – DAMPF / STEAM – PN 18 BAR / 261 PSI – Ω Made in Germany"

APPLICATIONS

Construction industry, Machinery and plant engineering,
Refineries, Shipping industry

FLOW MEDIUM

Hot water, Steam, Water

STANDARD / APPROVAL

DIN
EN ISO
6134-2A

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Steel reinforcement

Cover: EPDM, black, fabric patterned, abrasion resistant, ozone-resistant

Working pressure up to: 18 bar / 261 psi

Further properties: Burst pressure > 180 bar / 2.611 psi, safety factor 10:1
Temperature resistance: -30°C / -22°F to +150°C / 302°F (hot water),
+210°C / +410°F (saturated water vapor)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
3/8	9.5	6	21.5	40	18	261	180	2611	100	400
1/2	13	6	25	40	18	261	180	2611	130	530
3/4	19	7	33	40	18	261	180	2611	190	900
1	25	7.5	40	40	18	261	180	2611	250	1200
1 1/4	32	8	48	40	18	261	180	2611	320	1550
1 1/2	38	8	54	40	18	261	180	2611	380	1800
2	50	9	68	40	18	261	180	2611	500	2600

Temperature resistance applies only to materials used / All technical data apply at room temperature / Attention: Superheated steam will reduce the durability considerably

DAMPF TRIX 6000 OIL For conveying steam



MARKING: 1 red and 2 white coloured axial markings on black cover "Continental DAMPF TRIX® 6000 OIL - DAMPF / STEAM - PN 18 BAR / 261 PSI - Ω Ölkanne
Made in Germany"

APPLICATIONS

Construction industry, Machinery and plant engineering,
Refineries, Shipping industry

FLOW MEDIUM

Hot water, Steam, Water

STANDARD / APPROVAL

DIN
EN ISO
6134-2B

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Steel reinforcement

Cover: Spezial elastomer, black, fabric patterned, abrasion resistant, oil resistant, ozone-resistant

Working pressure up to: 18 bar / 261 psi

Further properties: Burst pressure > 180 bar / 2.611 psi, safety factor 10:1
Temperature resistance: -30°C / -22°F to +150°C / 302°F (hot water),
+210°C / +410°F (saturated water vapor)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/2	13	6	25	40	18	261	180	2611	130	530
3/4	19	7	33	40	18	261	180	2611	190	900
1	25	7.5	40	40	18	261	180	2611	250	1200
1 1/4	32	8	48	40	18	261	180	2611	320	1550
1 1/2	38	8	54	40	18	261	180	2611	380	1800
2	50	9	68	40	18	261	180	2611	500	2600

Temperature resistance applies only to materials used / All technical data apply at room temperature / Attention: Superheated steam will reduce the durability considerably



Luft- und Vielzweckschläuche

Air and Multipurpose Hoses



TRIX BLAUSTR AHL

For heavy-duty compressed air applications



MARKING: 6 blue, axial stripes on a black background "Continental TRIX BLAUSTR AHL DN 19 DIN EN ISO 2398 3C / L-T LUFT/AIR 2,5 MPa (25 BAR / 363 PSI) Ω-CL Ökonne Made in Germany"

APPLICATIONS

Automobile industry, Compressed air and compressor manufacturers, Field of compressed air handling, Foundries, Largescale garages, Machinery and plant engineering, Mining industry, Oil and chemicals processing industry, Over- and underground workings, Petrol stations, Quarry, Shipyards, Steel and iron industry, Steel construction

FLOW MEDIUM

Compressed air, Pressurized air

STANDARD / APPROVAL

DIN
EN ISO
2398:2024 3C/L-T

TECHNICAL DATA

nominal width Zoll/inch	inner-Ø mm	wall thickness mm	outer-Ø mm	length m	working pressure		min. burst pressure		min. bending radius aprx. mm	weight aprx. g/ m
					bar	psi	bar	psi		
1/4	6.3	6	18.3	40	25	363	100	1450	60	309
3/8	10	6	22	40	25	363	100	1450	100	386
1/2	12.5	6	24.5	40	25	363	100	1450	125	455
5/8	16	6	28	40	25	363	100	1450	160	553
3/4	19	6	31	40	25	363	100	1450	190	615
1	25	6	37	40	25	363	100	1450	250	759
1 1/8	28	6	40	40	25	363	100	1450	280	827
1 1/4	31.5	6	43.5	40	25	363	100	1450	310	912
1 3/8	35	6	47	40	25	363	100	1450	350	1002
1 1/2	38	6	50	40	25	363	100	1450	380	1070
1 5/8	42	6	54	40	25	363	100	1450	420	1153

Temperature resistance applies only to materials used / All technical data apply at room temperature / DN 28, 35, 42 analogous to DIN EN ISO 2398 3C/L-T tested (without standard marking on the hose, as dimensions are not explicitly listed in the standard)

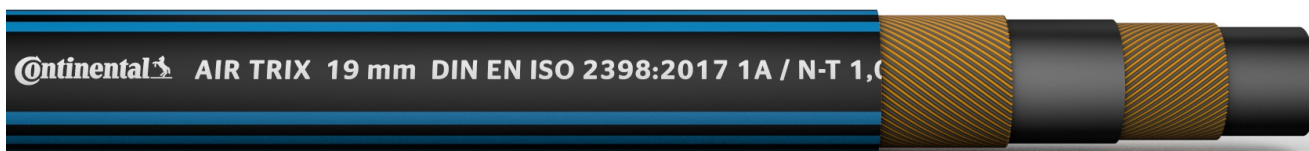
DESCRIPTION

Inner lining:	NBR, black, non-porous, smooth
Reinforcements:	Synthetic fibres
Cover:	CR, black, smooth, from DN 25 upward fabric patterned, ozone-resistant
Working pressure up to:	25 bar / 363 psi
Temperature range:	from -40 °C / -40 °F up to +85 °C / +185 °F
Further properties:	Length independently electrically conductive, Ω-CL (acc. to EN ISO 8031)



AIR TRIX

The high quality hose for compressed air



MARKING: 2x3 blue, axially applied stripes on a black background "Continental AIR TRIX 19 mm DIN EN ISO 2398:2017 1A / N-T 1,0 MPa (10 BAR / 145 PSI) Made in Germany"

APPLICATIONS

Agriculture, Compressed air and compressor manufacturers, Construction industry, Garages, Installation and heating system companies, Machinery and plant engineering, Mining industry, Over- and underground workings, Petrol stations, Quarry, Shipyards, Steel and iron industry, Steel construction, Workshops

FLOW MEDIUM

Compressed air, Pressurized air

DESCRIPTION

Inner lining: SBR, black, non-porous, smooth
Reinforcements: Synthetic fibres
Cover: SBR, black, smooth, ozone-resistant
Working pressure up to: 10 bar / 145 psi
Temperature range: from -25 °C / -13 °F up to +80 °C / +176 °F
Further properties: Working pressure up to 10 bar / 145 psi (air)

STANDARD / APPROVAL

DIN
EN ISO
2398:2017 1A

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
3/8	10	5	20	40	10	145	40	580	70	340
1/2	12.5	5	22.5	40	10	145	40	580	80	410
5/8	16	5	26	40	10	145	40	580	100	560
3/4	19	5	29	40	10	145	40	580	150	690
1	25	6	37	40	10	145	40	580	185	1000

Temperature resistance applies only to materials used / All technical data apply at room temperature



PARKING



MARKING: 6 blue stripes on black cover

APPLICATIONS

Compressed air and compressor manufacturers, Largescale garages, Over- and underground workings, Petrol stations, Quarry, Shipyards, Steel and iron industry

FLOW MEDIUM

Compressed air, Pressurized air

DESCRIPTION

Inner lining: SBR, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: SBR-EPDM, black, smooth

Working pressure up to: 20 bar / 290 psi

Temperature range: from -20 °C / -4 °F up to +65 °C / +149 °F

Further properties: Suitable for hot water for a short time up to +80°C / +176°F

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6	3.5	13	25	20	290	60	870	60	170
1/4	6	3.5	13	50	20	290	60	870	60	170
1/3	8	3.5	15	25	20	290	60	870	80	200
1/3	8	3.5	15	50	20	290	60	870	80	200
3/8	10	3.5	17	25	20	290	60	870	100	250
3/8	10	3.5	17	50	20	290	60	870	100	250
1/2	13	4.3	21.6	40	20	290	60	870	130	350
1/2	13	4.3	21.6	20	20	290	60	870	130	350
3/4	19	5.5	30	40	20	290	60	870	190	580
3/4	19	5.5	30	20	20	290	60	870	190	580

Temperature resistance applies only to materials used / All technical data apply at room temperature



TRIX BREATHING AIR HOSE

Quality in accordance with DIN EN 14593/14594



MARKING: on a black background "Continental TRIX® ATEMLUFT / BREATHING AIR DN 10 DIN EN 14593 / DIN EN 14594 -H-S-F- Jahr Made in Germany"

FLOW MEDIUM

Breathing air

STANDARD / APPROVAL

DIN EN

14593/14594

DESCRIPTION

- Inner lining:** EPDM, black, non-porous, smooth
- Reinforcements:** Synthetic fibres
- Cover:** EPDM, black, smooth, abrasion resistant, ozone-resistant
- Working pressure up to:** 10 bar / 145 psi
- Temperature range:** from -30 °C / -22 °F up to +100 °C / +212 °F
up to +120 °C / +248 °F short-time
- Further properties:** Electrically conductive, $10^3 \Omega < R < 10^8 \Omega$
Inner lining must be cleaned before installation/first use!

TECHNICAL DATA

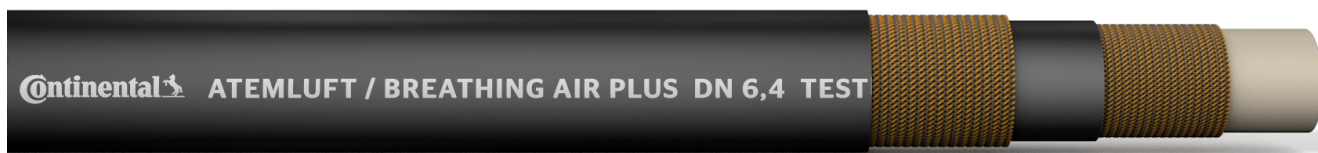
nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
3/8	9.5	4.5	18.5	40	10	145	40	580	50	280

Temperature resistance applies only to materials used / All technical data apply at room temperature



CONTI BREATHING AIR HOSE PLUS

Quality as per EN 250



MARKING: on black background "Continental ATEMLUFT / BREATHING AIR PLUS DN 6,4 TESTED EN 250 Made in Germany"

APPLICATIONS

Breathing apparatus, Light diving equipment

FLOW MEDIUM

Breathing air

STANDARD / APPROVAL

EN

250

DESCRIPTION

Inner lining: NR, bright, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: CR, black, smooth, ageing resistant, electrically conductive, $R < 10^6 \Omega/m$

Working pressure up to: 30 bar / 435 psi

Further properties: Inner lining must be cleaned before installation/first use!
Not suitable for medical use!

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6.4	3.2	12.8	> 10	30	435	120	1740	70	135

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other cover colors available on request



Schweiß- und Gasschläuche

Welding and Gas Hoses

TRIX OXYGEN HOSE - BLUE For the safe transport of oxygen



MARKING: on blue cover "Continental TRIX® AUTOGEN 9 x 16 DIN EN ISO 3821 2MPa (20 BAR / 290 PSI) Made in Germany"

APPLICATIONS

Automobile industry, Construction industry, Construction of bridges, Foundries, Garages, Installation and heating system companies, Machinery and plant engineering, Manufacturers of welding apparatus, Over- and underground workings, Shipyards, Steel and iron industry, Steel construction, Welding shops, Workshops

FLOW MEDIUM

Oxygen

STANDARD / APPROVAL

DIN
EN ISO
3821:2020

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6.3	5	16.3	40	20	290	60	870	80	211
3/8	9	5	19	40	20	290	60	870	90	271
1/2	12.5	5	22.5	40	20	290	60	870	125	339
5/8	16	6	28	40	20	290	60	870	160	513

Temperature resistance applies only to materials used / All technical data apply at room temperature / High pressure and/or temperature lead to reduced component durability

DESCRIPTION

- Inner lining:** EPDM, black, electrically conductive, $R < 10^6 \Omega/m$, non-porous, smooth
- Reinforcements:** Synthetic fibres
- Cover:** EPDM, black with coated blue thin layer, smooth, ozone-resistant
- Working pressure up to:** 20 bar / 290 psi
- Temperature range:** from -20 °C / -4 °F up to +60 °C / +140 °F
- Further properties:** Halogen-free



TRIX ACETYLENE HOSE - RED

For the safe transport of fuel gases



MARKING: on red cover "Continental TRIX® AUTOGEN 9 x 16 DIN EN ISO 3821 2MPa (20 BAR / 290 PSI) Made in Germany"

APPLICATIONS

Automobile industry, Construction industry, Construction of bridges, Foundries, Garages, Installation and heating system companies, Machinery and plant engineering, Manufacturers of welding apparatus, Over- and underground workings, Shipyards, Steel and iron industry, Steel construction, Welding shops, Workshops

FLOW MEDIUM

Acetylene gas

STANDARD / APPROVAL

DIN
EN ISO
3821:2020

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
3/8	9	3.5	16	40	20	290	60	870	90	163
1/2	12.5	4.5	21.5	40	20	290	60	870	125	296
5/8	16	4.5	25	40	20	290	60	870	160	358

Temperature resistance applies only to materials used / All technical data apply at room temperature / High pressure and/or temperature lead to reduced component durability

DESCRIPTION

- Inner lining:** EPDM, black, electrically conductive, $R < 10^6 \Omega/m$, non-porous, smooth
- Reinforcements:** Synthetic fibres
- Cover:** EPDM, black with coated red thin layer, smooth, ozone-resistant
- Working pressure up to:** 20 bar / 290 psi
- Temperature range:** from -20 °C / -4 °F up to +60 °C / +140 °F
- Further properties:** Halogen-free

TRIX AUTOGEN - BLACK For Air, Nitrogen, Argon, CO₂



MARKING: on black cover "Continental TRIX® AUTOGEN DN 9 x 16 DIN EN ISO 3821 2MPa (20 BAR / 290 PSI) Made in Germany"

APPLICATIONS

Automobile industry, Construction of bridges, Foundries, Garages, Installation and heating system companies, Machinery and plant engineering, Manufacturers of welding apparatus, Shipyards, Steel and iron industry, Steel construction, Welding shops, Workshops

FLOW MEDIUM

CO₂, Air, Argon, Nitrogen, Non-flammable gas

DESCRIPTION

Inner lining:	EPDM, black, non-porous, smooth
Reinforcements:	Synthetic fibres
Cover:	EPDM, black, smooth, ozone-resistant
Working pressure up to:	20 bar / 290 psi
Temperature range:	from -20 °C / -4 °F up to +60 °C / +140 °F
Further properties:	Electrically conductive, R < 10 ⁶ Ω/m

STANDARD / APPROVAL

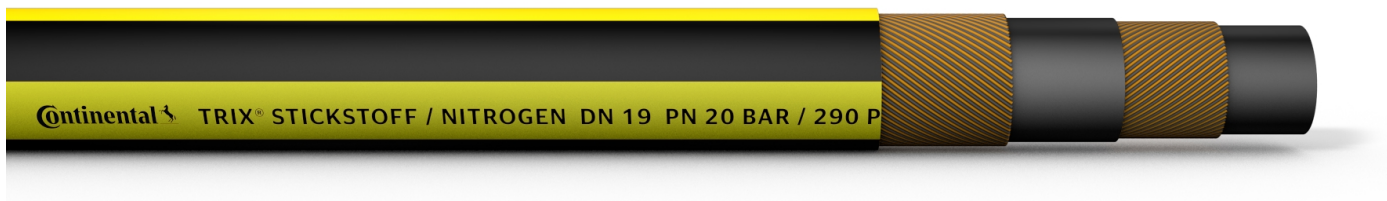
DIN
EN ISO
3821:2020

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6.3	3.5	13.3	40	20	290	60	870	80	170
3/8	9	3.5	16	40	20	290	60	870	90	210
5/8	16	4.5	25	40	20	290	60	870	160	385

Temperature resistance applies only to materials used / All technical data apply at room temperature

TRIX NITROGEN HOSE Reliable and safe



MARKING: 3 yellow, axially applied broad stripes on black cover * Continental TRIX® STICKSTOFF / NITROGEN DN 19 PN 20 BAR / 290 PSI R < 10⁶ Ω Made in Germany"

APPLICATIONS

Chemical and petrochemical industry, Railway industry, Shipyards, Tank trucks

FLOW MEDIUM

Nitrogen

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: EPDM, black, smooth

Working pressure up to: 20 bar / 290 psi

Temperature range: from -40 °C / -40 °F up to +60 °C / +140 °F

Further properties: Length independently electrically conductive, Ω-CL (acc. to EN ISO 8031)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
3/8	10	5	20	40	20	290	60	870	50	370
1/2	13	5	23	40	20	290	60	870	65	420
3/4	19	6	31	40	20	290	60	870	100	720
1	25	6	37	40	20	290	60	870	125	885

Temperature resistance applies only to materials used / All technical data apply at room temperature



TRIX PROPANE GAS HOSE

Quality and Safety according to DIN EN 16436-1:2020



MARKING: on orange cover "Continental TRIX® PROPANE / BUTANE DN 6,3 DIN EN 16436-1 CLASS-2 10-BAR DG4603CR0279 Made in Germany"

APPLICATIONS

Mushroom heaters, grills, flame weeding devices, Pressure controlled gas units

FLOW MEDIUM

Butane, Propane

STANDARD / APPROVAL

DIN EN 
16436-1:2020
CLASS 3 (30 bar)
16436-1:2020
Class 2 (10 bar)

DESCRIPTION

Inner lining: NBR, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: NBR, orange, smooth, resistant to ozone, weather and UV

Working pressure up to: 30 bar / 435 psi

Temperature range: from -30 °C / -22 °F up to +70 °C / +158 °F

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6.3	3.5	13.3	40	10	145	30	435	25	135
1/4	6.3	5	16.3	40	30	435	90	1305	20	233

Temperature resistance applies only to materials used / All technical data apply at room temperature



CONTI FLUX HOSE - RED

For the safe transport of fluxes and fuel gases



MARKING: on red cover "Continental 2MPA (20 BAR / 290 PSI) DN 6,5 Made in Germany W/J/TC"

APPLICATIONS

Welding and brazing machines

FLOW MEDIUM

With fluxed fuel gases (without LPG, MPS, natural gas, Methane)

DESCRIPTION

Inner lining:	PA, black, seamless
Reinforcements:	Synthetic fibres
Cover:	CSM-BR , red, smooth, ozone-resistant
Working pressure up to:	20 bar / 290 psi
Temperature range:	from -20 °C / -4 °F up to +60 °C / +140 °F
Further properties:	n-Petan resistance according to DIN EN ISO 3821 Resistance to glowing particles according to DIN EN ISO 3821

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/8	3.2	1.9	7	> 2	20	290	60	870	50	36
1/4	6.5	3	12.5	> 2	20	290	60	870	60	97

Temperature resistance applies only to materials used / All technical data apply at room temperature / High pressure and/or temperature lead to reduced component durability

CONTI OXYGEN BLUE

For the safe transport of oxygen



MARKING: on blue cover "Continental 2MPa (20 BAR / 290 PSI) DN 6,5 Made in Germany W/J/TC"

APPLICATIONS

Welding and brazing machines

FLOW MEDIUM

Oxygen

DESCRIPTION

Inner lining: PA, black, impermeable, seamless

Reinforcements: Synthetic fibres

Cover: CSM-BR, blue, smooth

Working pressure up to: 20 bar / 290 psi

Temperature range: from -20 °C / -4 °F up to +60 °C / +140 °F

Further properties: Length change at operating pressure: +/- 5%
Pressure specifications tested in accordance with DIN EN ISO 1402 /
Bending radius in accordance with DIN EN ISO 10619-1 / Cold flexibility in accordance with DIN EN ISO 10619-2
Resistance to glowing particles according to DIN EN ISO 3821 - Dense heat for at least 60 seconds

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/8	3,2	1,9	7	> 2	20	290	60	870	50	43,717
1/4	6,5	3	12,5	> 2	20	290	60	870	80	120,969

Pressure based on room temperature / High pressure and/or temperature lead to reduced component durability



Chemieschläuche

Chemical Hoses

CHEMICAL HOSES



APPLICATIONS

Chemical and petrochemical industry, Pharmaceutical and cosmetic industry

FLOW MEDIUM

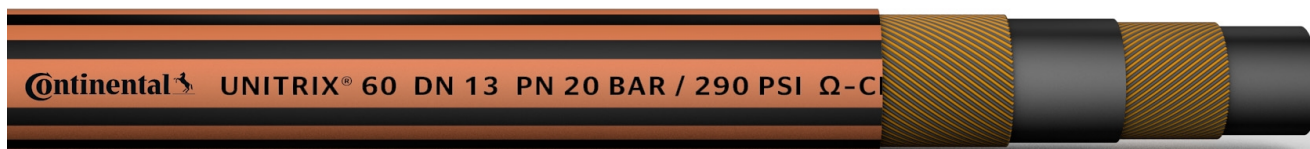
Acids, Alcohol, Caustics, Solvents

These products are distributed by our partner ELAFLEX:
ELAFLEX HIBY GmbH & Co. KG
Schackenburgallee 121
D-22525 Hamburg (Eidelstedt)
Telefon +49 (0) 40 540 00 50
Fax +49 (0) 40 540 00 567
eMail info@elaflex.de



UNITRIX 60

The Allrounder



MARKING: 6 tobacco brown coloured axial markings on black cover "Continental UNITRIX® 60 DN 13 PN 20 BAR / 290 PSI Ω-CL Made in Germany"

APPLICATIONS

Agricultural sector, Chemical and petrochemical industry, Construction industry, Forestry, Machinery and plant engineering, Mineral oil industry, Quarry, Railway industry, Shipping industry, Workshops

FLOW MEDIUM

Butane, Cold water, Fuel oil, Gasoil, Gasoline, Hot water, Kerosene, Lubricating oil, Mineral oil, Naphtha, Oily air, Propane, Salt solutions

DESCRIPTION

Inner lining: NBR, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: NBR, black, smooth

Working pressure up to: 20 bar / 290 psi

Temperature range: from -25 °C / -13 °F up to +85 °C / +185 °F

Further properties: Length independently electrically conductive, Ω-CL (acc. to EN ISO 8031)

TECHNICAL DATA

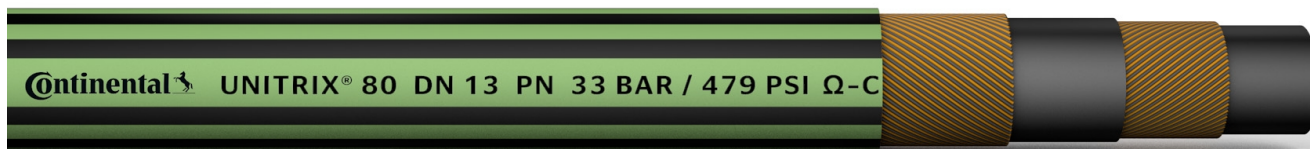
nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6	3.5	13	50	20	290	60	870	25	160
5/16	8	3.75	15.5	50	20	290	60	870	35	210
3/8	10	3.75	17.5	50	20	290	60	870	40	250
1/2	13	4	21	50	20	290	60	870	55	320
5/8	16	4.5	25	50	20	290	60	870	65	430
3/4	19	5	29	50	20	290	60	870	85	550
1	25	5.5	36	50	20	290	60	870	115	760

The media resistances refer to room temperature (72 h) / Testing of media resistance in accordance with DIN EN 1360 at room temperature / Temperature resistance applies only to materials used / All technical data apply at room temperature / Definition acc. EN ISO 8031: Ω-CL: $R < 10^6 \Omega$ per assembly (conductive cover & lining) / Ω-C: $R < 10^6 \Omega$ per assembly (conductive cover)



UNITRIX 80

The Allrounder



MARKING: 6 olive-colored axial markings on a black background "Continental UNITRIX® 80 DN 13 PN 33 BAR / 479 PSI Ω-CL Made in Germany"

APPLICATIONS

Agricultural sector, Chemical and petrochemical industry, Construction industry, Forestry, Machinery and plant engineering, Mineral oil industry, Quarry, Railway industry, Shipping industry, Workshops

FLOW MEDIUM

Butane, Cold water, Fuel oil, Gasoil, Gasoline, Hot water, Kerosene, Lubricating oil, Mineral oil, Naphtha, Oily air, Propane, Salt solutions

DESCRIPTION

Inner lining: NBR, black, non-porous, smooth
Reinforcements: Synthetic fibres
Cover: NBR, black, smooth, > DN 25 CR-cover (fabric patterned)
Working pressure up to: 33 bar / 479 psi
Temperature range: from -25 °C / -13 °F up to +85 °C / +185 °F
Further properties: ≤ DN25: Ω-CL; > DN25: Ω-C (acc. EN ISO 8031)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6	4	14	50	33	479	80	1160	25	190
5/16	8	4	16	50	33	479	80	1160	35	230
3/8	10	4	18	50	33	479	80	1160	40	260
1/2	13	4,5	22	50	33	479	80	1160	55	370
5/8	16	5	26	50	33	479	80	1160	65	480
3/4	19	6	31	50	33	479	80	1160	85	680
1	25	6	37	50	33	479	80	1160	115	840
1 1/4	32	6	44	40	33	479	80	1160	190	935
1 1/2	38	6,5	51	40	33	479	80	1160	230	1150
2	50	7	64	40	33	479	80	1160	300	1610
2 3/8	60	8	76	40	33	479	80	1160	400	2260

The media resistances refer to room temperature (72 h) / Testing of media resistance in accordance with DIN EN 1360 at room temperature / Temperature resistance applies only to materials used / All technical data apply at room temperature / Definition acc. EN ISO 8031: Ω-CL: R < 10⁶ Ω per assembly (conductive cover & lining) / Ω-C: R < 10⁶ Ω per assembly (conductive cover)



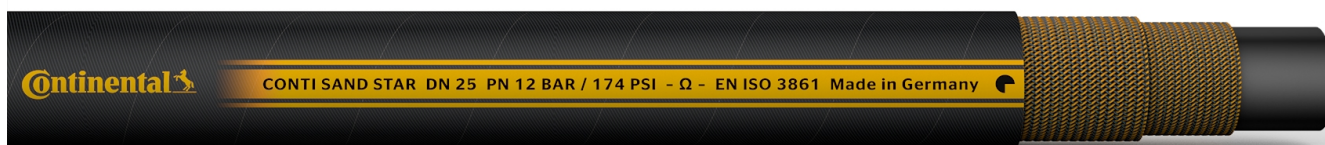
Materialtransport-, Zement- und Betonförderschläuche

Material Handling, Cement and Concrete Hoses



CONTI SAND STAR

For the conveying of highly abrasive media



MARKING: Continental CONTI SAND STAR DN 25 PN 12 BAR / 174 PSI - Ω - EN ISO 3861 Made in Germany QQ/JJ

APPLICATIONS

Sandblasting applications

FLOW MEDIUM

Commercially available blasting media, Corundum, Glass, Quartz sand, Sand Steelgrit, Steel gravel

STANDARD / APPROVAL

DIN
EN ISO
3861:2021

DESCRIPTION

Inner lining: BR-NR, black, highly abrasion resistant (acc. to DIN ISO 4649-A: <30mm³), non-porous, smooth

Reinforcements: Synthetic fibres

Cover: SBR-BR, black, fabric patterned, abrasion resistant, ozone-resistant

Working pressure up to: 12 bar / 174 psi

Temperature range: from -35 °C / -31 °F up to +80 °C / +176 °F

Further properties: Electrically conductive, $R < 10^6 \Omega$

TECHNICAL DATA

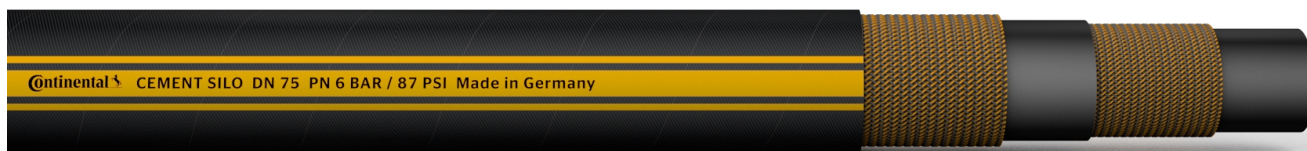
nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/2	12,5	7	26,5	40	12	174	42	609	130	508
3/4	19	7	33	40	12	174	42	609	190	675
1	25	7	39	40	12	174	42	609	250	828
1 1/4	31,5	8	47,5	40	12	174	42	609	320	1,134
1 1/2	38	9	56	40	12	174	42	609	380	1,519

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions upon request



CONTI CEMENT SILO

The reliable specialist



MARKING: 3 orange, axially applied stripes on black cover " Continental CEMENT SILO DN 75 PN 6 BAR / 87 PSI Made in Germany"

APPLICATIONS

Building material stores, Cement plants, Cement silo trucks,
Forwarding agents

FLOW MEDIUM

Cement, Concrete, Gravel, Sand

DESCRIPTION

Inner lining: SBR, black, highly abrasion resistant, non-porous, smooth

Reinforcements: Synthetic fibres
With copper wire

Cover: SBR, black, fabric patterned, abrasion resistant, resistant to ozone,
weather and UV

Working pressure up to: 6 bar / 87 psi

Temperature range: from -20 °C / -4 °F up to +70 °C / +158 °F

Further properties: Electrically conductive, $R < 10^6 \Omega/m$

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1 1/3	35	7	49	40	6	87	18	261	350	1,072
2	50	9	68	40	6	87	18	261	500	1980
3	75	9	93	40	6	87	18	261	750	2770
4	100	10	120	40	6	87	18	261	1000	4020

Pressure based on room temperature / High pressure and/or temperature lead to reduced component durability / Other dimensions on request



CONTI ULTIMATE

For hydraulic transport of abrasive media



MARKING: Orange stripe with black text, spirally applied "Continental CONTI® ULTIMATE MINING HOSE SYSTEM www.contiultimate.com"

APPLICATIONS

Gravel plants, Gravel works, Hydraulic applications, Mining industry

FLOW MEDIUM

Gravel, Mud, Sand

DESCRIPTION

- Inner lining:** NR, black, with Conti Orange Wear Indicator, highly abrasion resistant
- Reinforcements:** Synthetic fibres
With integrated steel wire helix
- Cover:** IR-BR, black, fabric patterned, abrasion resistant, resistant to ozone, weather and UV
- Working pressure up to:** 10 bar / 145 psi
- Temperature range:** from -40 °C / -40 °F up to +70 °C / +158 °F

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	helix	working pressure		min. burst pressure		vacuum		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	helix	bar	psi	bar	psi	bar	mmHG	aprx. mm	aprx. g/ m
2	51	11	73	40	●	10	145	40	580	-0,9	-684	250	2500
2 1/2	63	10	83	40	●	10	145	40	580	-0,9	-684	320	3000
3	76	12	100	40	●	10	145	40	580	-0,9	-684	400	4300
3 1/2	90	11,5	113	40	●	10	145	40	580	-0,9	-684	480	4900
4	102	11,5	125	40	●	10	145	40	580	-0,9	-684	550	5200
5	127	12,5	152	40	●	10	145	40	580	-0,9	-684	680	7300
6	152	13,5	179	40	●	10	145	40	580	-0,9	-684	800	9000
8	204	17	238	40	●	10	145	40	580	-0,9	-684	1050	16400
10	252	18,5	289	10	●	5	73	20	290	-0,5	-380	1300	22800
12	305	18,5	342	10	●	5	73	20	290	-0,5	-380	1600	27400
14	355	24,5	404	10	●	5	73	20	290	-0,5	-380	1900	42600
16	405	25	455	10	●	5	73	20	290	-0,5	-380	2200	46900
18	455	27,5	510	10	●	5	73	20	290	-0,5	-380	2500	61100
20	508	27,5	563	10	●	5	73	20	290	-0,5	-380	2900	71000
24	610	29,5	669	10	●	5	73	20	290	-0,5	-380	3400	89200

Pressure and vacuum based on room temperature / High pressure and/or temperature lead to reduced component durability



CONTI ULTIMATE CONDUCTIVE

For hydraulic and pneumatic transport of abrasive media



MARKING: Green stripe with black text, spirally applied "Continental CONTI® ULTIMATE CONDUCTIVE www.contiultimate.com"

APPLICATIONS

Chemical industry, Foundries, Gravel plants, Gravel works,
Hydraulic and pneumatic applications, Mining industry,
Powerplants, Sewage Treatment Plants

FLOW MEDIUM

Activated carbon, Cement, Chalk, Dusty Media, Granules, Gravel,
Mud, Sand

DESCRIPTION

Inner lining: SBR-NR, black, electrically conductive, $R < 10^6 \Omega$, highly abrasion resistant

Reinforcements: Synthetic fibres
With integrated steel wire helix

Cover: SBR-NR, black, fabric patterned, abrasion resistant, electrically conductive, $R < 10^6 \Omega$, resistant to ozone, weather and UV

Working pressure up to: 10 bar / 145 psi

Temperature range: from -40 °C / -40 °F up to +70 °C / +158 °F

Further properties: Hose layers dissipative through the hose wall, $R < 10^9 \Omega$

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	helix	working pressure		min. burst pressure		vacuum		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	helix	bar	psi	bar	psi	bar	mmHG	aprx. mm	aprx. g/ m
2	51	11	73	40	●	10	145	40	580	-0.9	-684	250	2500
2 1/2	63	10	83	40	●	10	145	40	580	-0.9	-684	320	3000
3	76	12	100	40	●	10	145	40	580	-0.9	-684	400	4300
3 1/2	90	11.5	113	40	●	10	145	40	580	-0.9	-684	500	4900
4	102	11.5	125	40	●	10	145	40	580	-0.9	-684	550	5200
5	127	12.5	152	40	●	10	145	40	580	-0.9	-684	700	7300
6	152	13.5	179	40	●	10	145	40	580	-0.9	-684	850	9000
8	204	17	238	40	●	10	145	40	580	-0.9	-684	1100	16400
10	254	17.5	289	10	●	5	73	20	290	-0.5	-380	1300	22800
12	305	18.5	342	10	●	5	73	20	290	-0.5	-380	1600	27400
14	355	24.5	404	10	●	5	73	20	290	-0.5	-380	1900	42600
16	405	25	455	10	●	5	73	20	290	-0.5	-380	2200	46900
18	455	27.5	510	10	●	5	73	20	290	-0.5	-380	2500	61100
20	508	27.5	563	10	●	5	73	20	290	-0.5	-380	2900	71000
24	610	29.5	669	10	●	5	73	20	290	-0.5	-380	3400	89200

Pressure and vacuum based on room temperature / High pressure and/or temperature lead to reduced component durability



CONTI ULTIMATE - FLANGE

For hydraulic and pneumatic transport of abrasive media



MARKING: CONTI® ULTIMATE DN 51

APPLICATIONS

Chemical industry, Foundries, Gravel plants, Gravel works,
Hydraulic and pneumatic applications, Mining industry,
Powerplants, Sewage Treatment Plants

DESCRIPTION

Working pressure up to:	10 bar / 145 psi
Further properties:	Compatible with CONTI® ULTIMATE, CONTI® ULTIMATE CONDUCTIVE and CONTI® ULTIMATE gasket Made of high-strength aluminium alloy Non-corrosive Sea water resistant Suitable for both DIN EN 1092-1 (PN 10) / ANSI 16.5B (150lbs) standards



CONTI ULTIMATE GASKET

For hydraulic and pneumatic transport of abrasive media



MARKING:

APPLICATIONS

Chemical industry, Foundries, Gravel plants, Gravel works,
Hydraulic and pneumatic applications, Mining industry,
Powerplants, Sewage Treatment Plants

DESCRIPTION

Further properties: Compatible with CONTI® ULTIMATE, CONTI® ULTIMATE CONDUCTIVE and CONTI® ULTIMATE Flange

Conical shape ensures ease of installation

Reliable sealing of the hose end face, the strength member is protected from the abrasive pumped medium

Rubber sealing with steel reinforcement

Sealing thickness: 8 mm

Secure connection between hose and flange



CONTI DRY ICE HOSE

Industrial hose for dry ice



MARKING: on black cover "Continental TROCKENEIS / DRY ICE DN 19 PN 16 BAR / 232 PSI Made in Germany"

APPLICATIONS

Dry ice blasting machines

FLOW MEDIUM

Dry Ice

DESCRIPTION

Inner lining: NR, black, highly abrasion resistant

Reinforcements: Synthetic fibres

Cover: NR, black, fabric patterned, abrasion resistant, resistant to ozone, weather and UV

Working pressure up to: 16 bar / 232 psi

Temperature range: from -55 °C / -67 °F up to +60 °C / +140 °F

Further properties: Electrically conductive, $R < 10^6 \Omega$

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
3/8	10	5	20	40	16	232	48	696	100	259
1/2	13	5	23	40	16	232	48	696	130	313
5/8	16	5	26	40	16	232	48	696	160	365
3/4	19	6	31	40	16	232	48	696	190	536
1	25	6	37	40	16	232	48	696	250	635
1 1/2	38	6.5	51	40	16	232	48	696	190	1193
2	50	8	66	40	16	232	48	696	250	1843
3	75	9	93	40	16	232	48	696	375	3091
4	100	10	120	40	10	145	40	580	500	4427
5	125	11	147	30	10	145	40	580	625	6855
6	150	12	174	30	10	145	40	580	750	9014

Pressure based on room temperature / High pressure and/or temperature lead to reduced component durability



Öl- und Kraftstoffschläuche

Oil and Fuel Hoses



CONTI M1L-OLN

Oil hose for low pressure



MARKING: CONTI® M1L-OLN "Continental CONTI-Oil-M1L-OLN- 6x3- >NBR/CR< W/J/TC"

APPLICATIONS

Compressed air and compressor manufacturers, Construction industry, General industry, Low-pressure-applications

FLOW MEDIUM

Diesel fuel, Hydraulic fluids, Hydraulik oils, Lubricants, Oils, Oily air

STANDARD / APPROVAL

DBL MAN
6257/21 333 N1

DESCRIPTION

Inner lining: NBR, black, smooth

Reinforcements: Synthetic fibres

Cover: CR, black, fabric patterned, light-crack resistant, ozone-resistant

Working pressure up to: 60 bar / 870 psi

Temperature range: from -40 °C / -40 °F up to +100 °C / +212 °F

Further properties: Elastomer compounds do not contain aromatic plasticiser oils and are nitrosamine-free

Suitable for greases, engine oil, hydraulic fluids up to +100°C / +212°F, short term up to +120°C / +248°F

Suitable for heating oil type "EL" and "L", diesel fuels up to +40°C / +104°F

Suitable for oily air up to +100°C / +212°F

Unsuitable for biodiesel and methyl ester of rapeseed (RME)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		vacuum		min. bending radius	weight
zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	bar	mmHG	aprx. mm	aprx. g/ m
1/6	4	3	10	>2	40	580	160	2321	-0.9	-675	30	85
1/5	5	3	11	>2	60	870	240	3481	-0.9	-675	35	90
1/4	6	3	12	>2	60	870	240	3481	-0.9	-675	40	115
1/3	8	3	14	>2	50	725	150	2176	-0.9	-675	50	140
3/8	9	3	15	>2	40	580	120	1740	-0.9	-675	50	155
3/8	10	3	16	>2	20	290	100	1450	-0.9	-675	60	205
7/16	11	3.5	18	>2	30	435	120	1740	-0.9	-675	65	220
1/2	12	3.5	19	>2	40	580	160	2321	-0.9	-675	70	230
1/2	13	4.5	22	>2	30	435	120	1740	-0.9	-675	90	340
5/8	16	4	24	>2	20	290	100	1450	-0.9	-675	110	350
5/8	16	4.5	25	>2	20	290	100	1450	-0.9	-675	110	400
3/4	20	5	30	>2	30	435	120	1740	-0.8	-600	130	540
1	25	5.25	35.5	40	15	218	100	1450	-0.6	-450	150	670
1 1/4	32	5.25	42.5	40	8	116	60	870	-0.6	-450	180	835
1 1/2	38	5.5	49	40	6	87	50	725	-0.6	-450	240	1025
2 3/8	60	6	72	40	6	87	40	580	-0.2	-150	300	1670

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions upon request

Industrial Solutions EMEA

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CONTI M1L-OLNW

Oil hose for low pressure



MARKING: CONTI-Oil-M1L-OLNW- 25x5,25- >NBR/CR< W/J/TC

APPLICATIONS

Agriculture, Compressed air and compressor manufacturers,
Construction machines, Engines, Low-pressure-applications

FLOW MEDIUM

Hydraulic fluids, Hydraulik oils, Lubricants, Oils, Oily air

STANDARD / APPROVAL

MAN

333 N1W

DESCRIPTION

Inner lining: NBR, black, smooth

Reinforcements: Synthetic fibres
With integrated steel wire helix

Cover: CR, black, fabric patterned, light-crack resistant, ozone-resistant

Working pressure up to: 33 bar / 479 psi

Temperature range: from -40 °C / -40 °F up to +100 °C / +212 °F

Further properties: Elastomer compounds do not contain aromatic plasticiser oils and are nitrosamine-free

Suitable for greases, engine oil, hydraulic fluids up to +100°C / +212°F, short term up to +120°C / +248°F

Suitable for heating oil type "EL" and "L", diesel fuels up to +40°C / +104°F

Suitable for oily air up to +100°C / +212°F

Unsuitable for biodiesel and methyl ester of rapeseed (RME)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	helix	working pressure		min. burst pressure		vacuum		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	helix	bar	psi	bar	psi	bar	mmHG	aprx. mm	aprx. g/ m
1	25	5.25	35.5	40	●	33	479	150	2176	-0.9	-675	125	690
1 1/4	32	5.25	42.5	40	●	25	363	150	2176	-0.9	-675	180	830

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions upon request



CONTI M4M-2

Oil hose



MARKING: Continental CONTI-Oil-M4M-2 -6x3- >AEM/AEM< W/J/TC

APPLICATIONS

Oil coolers, lubricants and compressed air systems

FLOW MEDIUM

Lubricating oil, Oily air

STANDARD / APPROVAL

DBL
6257.70

DESCRIPTION

Inner lining: AEM, black, smooth

Reinforcements: Synthetic fibres

Cover: AEM, black, fabric patterned

Working pressure up to: 50 bar / 725 psi

Temperature range: from -40 °C / -40 °F up to +135 °C / +275 °F
up to +150 °C / +302 °F short-time

Further properties: Free from DOTG

Perfect compression set for a fantastic fit

Resistant to all conventional lubricating oils (including Automatic-Transmission-Fluids and alloyed oils)

Very good damping characteristic by a high volume increase

TECHNICAL DATA

nominal width zoll/inch	inner-Ø mm	wall thickness mm	outer-Ø mm	length m	working pressure		min. burst pressure		vacuum		min. bending radius aprx. mm	weight aprx. g/ m
	mm	mm	mm	m	bar	psi	bar	psi	bar	mmHG		
1/4	6	3	12	>2	50	725	350	5076	-0.9	-675	40	110
5/16	8	3	14	>2	35	508	300	4351	-0.9	-675	50	140
3/8	9.5	3	15.5	>2	30	435	250	3626	-0.9	-675	55	155
1/2	12	3.5	19	>2	30	435	200	2901	-0.9	-675	70	215
1/2	13	3.5	20	40	25	363	200	2901	-0.9	-675	75	216
5/8	16	4	24	40	25	363	200	2901	-0.9	-675	90	300
3/4	20	5	30	40	20	290	150	2176	-0.9	-675	130	470
7/8	22	5	32	40	20	290	150	2176	-0.7	-525	150	500
1	25	5.25	35.5	40	20	290	150	2176	-0.5	-375	200	595
1 5/8	42	5.75	53.5	40	10	145	80	1160	-0.3	-225	350	1030

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions upon request



CONTI M4M-2H

Oil hose



MARKING: CONTI-Oil-M4M-2H -25x5,25- >AEM/AEM< W/J/TC

APPLICATIONS

Oil coolers, lubricants and compressed air systems

FLOW MEDIUM

Lubricating oil, Oily air

DESCRIPTION

Inner lining: AEM, black, smooth

Reinforcements: Synthetic fibres
With integrated steel wire helix

Cover: AEM, black, fabric patterned

Working pressure up to: 25 bar / 363 psi

Temperature range: from -40 °C / -40 °F up to +135 °C / +275 °F
up to +150 °C / +302 °F short-time

Further properties: Free from DOTG

Perfect compression set for a fantastic fit

Resistant to all conventional lubricating oils (including Automatic-Transmission-Fluids and alloyed oils)

Very good damping characteristic by a high volume increase

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	helix	working pressure		min. burst pressure		vacuum		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	helix	bar	psi	bar	psi	bar	mmHG	aprx. mm	aprx. g/ m
3/4	18	4.25	26.5	40	●	25	363	200	2901	-0.9	-675	80	390
1	25	5.25	35.5	40	●	25	363	200	2901	-0.9	-675	130	620
1 1/8	28	5.25	38.5	40	●	25	363	200	2901	-0.9	-675	145	685
1 1/4	32	5.75	43.5	40	●	20	290	200	2901	-0.9	-675	160	890

Temperature resistance applies only to materials used / All technical data apply at room temperature



CONTI L5L-1

High temperature oil hose



MARKING: Continental CONTI-Oil-L5L-1 -6x3- >AEM/AEM< W/J/TC

APPLICATIONS

Oil coolers, lubricants and compressed air systems

STANDARD / APPROVAL

DBL
6257.72

DESCRIPTION

Inner lining: AEM, black, smooth

Reinforcements: Aramid

Cover: AEM, black, grooved

Working pressure up to: 60 bar / 870 psi

Temperature range: from -40 °C / -40 °F up to +150 °C / +302 °F
up to +175 °C / +347 °F short-time

Further properties: Free from DOTG

Perfect compression set for a fantastic fit

Resistant to all conventional lubricating oils (including Automatic-Transmission-Fluids and alloyed oils)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6	3	12	>2	60	870	300	4351	40	105
5/16	8	3	14	>2	40	580	250	3626	50	130
3/8	10	3	16	>2	25	363	175	2538	65	145
1/2	12	3.5	19	>2	25	363	150	2176	70	210

Temperature resistance applies only to materials used / All technical data apply at room temperature



CONTI L5L-2

Oil hose



MARKING: Continental CONTI-Oil-L5L-2 -8x3- >AEM/AEM< W/J/TC

APPLICATIONS

Oil coolers, lubricants and compressed air systems

DESCRIPTION

Inner lining: AEM, black, smooth

Reinforcements: Aramid

Cover: AEM, black, fabric patterned

Working pressure up to: 30 bar / 435 psi

Temperature range: from -40 °C / -40 °F up to +150 °C / +302 °F
up to +175 °C / +347 °F

Further properties: Free from DOTG

Perfect compression set for a fantastic fit

Resistant to all conventional lubricating oils (including Automatic-Transmission-Fluids and alloyed oils)

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
5/16	8	3	14	>2	30	435	250	3626	50	125
1/2	12	3.5	19	>2	25	363	160	2321	70	210
1/2	13	3.5	20	>2	20	290	160	2321	75	210
5/8	15	4	23	>2	20	290	160	2321	85	290
5/8	16	4	24	>2	20	290	160	2321	90	305
3/4	17	4	25	>2	20	290	160	2321	110	340
3/4	18	4	26	>2	15	218	160	2321	115	335
3/4	19	4.5	28	40	25	363	150	2176	120	400
7/8	22	5	32	40	15	218	160	2321	140	515
1	25	5	35	40	15	218	120	1740	170	575
1 1/8	28	5	38	40	15	218	120	1740	190	635

Temperature resistance applies only to materials used / All technical data apply at room temperature



CONTI OLNC

Oil hose



MARKING: Continental CONTI - Oil - OLN-C -6x3- >NBR/CM< W/J/TC

APPLICATIONS

Oil coolers, Power-steering and lubricant systems

FLOW MEDIUM

Diesel fuel, Fuel oil

DESCRIPTION

Inner lining: NBR, black, smooth

Reinforcements: Synthetic fibres

Cover: CM, black, fabric patterned

Working pressure up to: 75 bar / 1088 psi

Temperature range: from -40 °C / -40 °F up to +125 °C / +257 °F
up to +140 °C / +284 °F short-time

Further properties: NBR elastomer compound is nitrosamine free
Resistant to all conventional lubricating oils (including Automatic-Transmission-Fluids and alloyed oils)

Suitable for heating oil type "EL" and "L", diesel fuels up to +40°C / +104°F

Unsuitable for biodiesel and methyl ester of rapeseed (RME)

TECHNICAL DATA

nominal width Zoll/inch	inner-Ø mm	wall thickness mm	outer-Ø mm	length m	working pressure		min. burst pressure		min. bending radius	weight
					bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/5	5	3	11	>2	70	1015	275	3989	35	105
1/4	6	3	12	>2	65	943	250	3626	40	115
1/3	8	3	14	>2	55	798	200	2901	50	145
3/8	9.5	3	15.5	>2	50	725	170	2466	60	180
1/2	12	3.5	19	>2	50	725	160	2321	70	240
5/8	15	4	23	>2	40	580	160	2321	90	345
3/4	18	4	26	>2	35	508	120	1740	110	400
7/8	22	4.5	31	>2	33	479	100	1450	120	560
1	25	4.5	34	>2	33	479	100	1450	140	615

Temperature resistance applies only to materials used / All technical data apply at room temperature



REFUELLING HOSES



MARKING:

APPLICATIONS

Aviation Refueling, Channels, Fuel Handling – Defueling & Refueling, Harbours, Large tank units, Petrol stations, Shipping industry, Tank ships, Tank truck

FLOW MEDIUM

Fuel, Fuel oil, Gasoline, Kerosene

These products are distributed by our partner ELAFLEX:
ELAFLEX HIBY GmbH & Co. KG
Schackenburgallee 121
D-22525 Hamburg (Eidelstedt)
Telefon +49 (0) 40 540 00 50
Fax +49 (0) 40 540 00 567
eMail info@elaflex.de



Spezielle Anwendungen

Special Applications



TRIX PAINT SPRAY HOSE EPDM

For simple and safe painting



MARKING: 6 orange, axially applied stripes on a black background "Continental TRIX® FARBSPRITZ / PAINT SPRAY EPDM DN 9 PN 10 BAR / 145 PSI R < 10⁶Ω
Made in Germany"

APPLICATIONS

Coating companies, Painting companies, Shipyards

FLOW MEDIUM

Acetone, Ammonia solution - 25%, Caustic soda - 10%, Chlorine rubber lacquer, Dimethyl sulfoxide, Dimethylformamide, Distempers, Emulsion paints, Ester, Ethyl alcohol, Nitro cellulose lacquer, Polyurethane lacquer, Spirit lacquer, Universal thinner, Water-based paints

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: EPDM, black, smooth, ozone-resistant

Working pressure up to: 10 bar / 145 psi

Further properties: Length independently electrically conductive, Ω-CL (acc. to EN ISO 8031)

Temperature range: from +5 °C / +41 °F up to +35 °C / +95 °F

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
3/8	9	3.5	16	40	10	145	40	580	90	230

Temperature resistance applies only to materials used / All technical data apply at room temperature



TRIX PAINT SPRAY HOSE NBR

For simple and safe painting



MARKING: 6 grey, axially applied stripes on a black background "Continental TRIX® FARBSPRITZ / PAINT SPRAY NBR DN 9 PN 25 BAR / 363 PSI R < 10⁶Ω Made in Germany"

APPLICATIONS

Coating companies, Painting companies, Shipyards

FLOW MEDIUM

Ammonia solution - 25%, Caustic soda - 10%, Distempers, Emulsion paints, Ethyl alcohol, Gasoline, Polyurethane lacquer, Spirit lacquer, Water, Water-based paints

DESCRIPTION

Inner lining: NBR, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: NBR, black, smooth, ozone-resistant

Working pressure up to: 25 bar / 363 psi

Further properties: Length independently electrically conductive, Ω-CL (acc. to EN ISO 8031)

Temperature range: from +5 °C / +41 °F up to +35 °C / +95 °F

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6	3.5	13	40	25	363	100	1450	60	170
3/8	9	3.5	16	40	25	363	100	1450	90	230
7/16	11	4	19	40	25	363	100	1450	110	260

Temperature resistance applies only to materials used / All technical data apply at room temperature



CONTI PAINT SPRAY HOSE PA

The reliable specialist



MARKING: on a grey background "Continental FARBSPRITZ / PAINT SPRAY PA DN 9 PN 25 BAR / 363 PSI R < 10² Ω Typ M Made in Germany"

FLOW MEDIUM

Glues, Lacquers, Oils, Paints, Polar and aromatic solvents

STANDARD / APPROVAL

TRBS

2153

DESCRIPTION

Inner lining: PA, black, highly abrasion resistant, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: NBR, grey, resistant to ozone, weather and UV

Working pressure up to: 25 bar / 363 psi

Temperature range: from -25 °C / -13 °F up to +80 °C / +176 °F

Further properties: Length independently electrically conductive, R < 10² Ω

TECHNICAL DATA

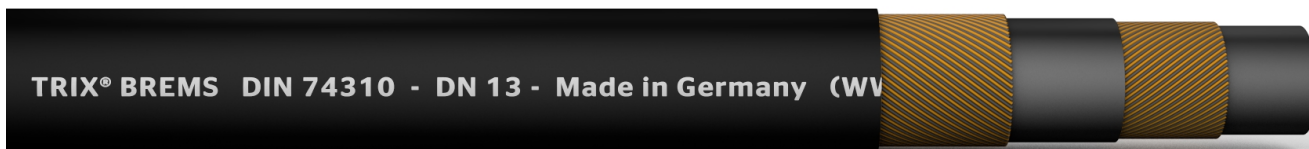
nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/4	6	2.5	11	> 10	25	363	100	1450	60	86

Pressure data relate to room temperature / High pressures and/or temperatures reduce the service life



TRIX BRAKE HOSE

Safety compliant with DIN 74310



MARKING: stamped on a black background "TRIX® BREMS DIN 74310 - DN 13 - Made in Germany (WW/JJ)"

APPLICATIONS

Truck brake systems

FLOW MEDIUM

Compressed air

STANDARD / APPROVAL

DIN

74310

DESCRIPTION

Inner lining: SBR-EPDM, black, non-porous, smooth
Reinforcements: Synthetic fibres
Cover: SBR-EPDM, black, smooth, ozone-resistant
Working pressure up to: 10 bar / 145 psi
Temperature range: from -40 °C / -40 °F up to +70 °C / +158 °F

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
7/16	11	3.5	18	40	10	145	40	580	70	260
7/16	11	3.5	18	20	10	145	40	580	70	260
1/2	13	6	25	40	10	145	40	580	100	500
1/2	13	6	25	20	10	145	40	580	100	500

Temperature resistance applies only to materials used / All technical data apply at room temperature



CONTI MACHINE HOSE

Reinforcement-free – for a wide variety of applications



MARKING: sur demande

APPLICATIONS

Application as windscreen washer hose, air control hose, protective hose, For transport of fuel oil, petrol, diesel and bio diesel

DESCRIPTION

Further properties: Materials: CR, EPDM, NBR, ECO, HNBR, ACM, IIR, VMQ, FPM

Produced with inner diameters from 3 - 40 mm

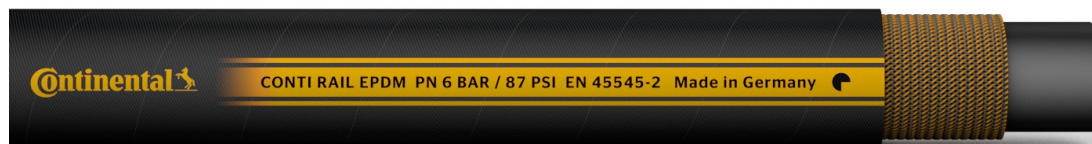
FLOW MEDIUM

Diesel fuel, Engine oil, Fuel oil, Gear lubricant oil, Power steering oil



CONTI RAIL EPDM - 6 BAR

The reliable solution for cooling and waste water, sewage and cable protection in rail transport



MARKING: Continental CONTI RAIL EPDM PN 6 BAR / 87 PSI EN 45545-2 Made in Germany

APPLICATIONS

In rail vehicles for cooling water and cooling brines, heating systems, roof drainage and drainage of condensation water, Railroad cars, Railway industry, Sanitary area, Use as cable protection hose

FLOW MEDIUM

Commercially available cooling water additives in usual concentrations, Condensation, Excrements, Rainwater, Sewage, Treated and non-treated cooling water

STANDARD / APPROVAL

DIN EN

45545-2 (R22 + R23)

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: EPDM, black, fabric patterned, abrasion resistant, resistant to excrements, resistant to ozone, weather and UV

Working pressure up to: 6 bar / 87 psi

Temperature range: from -40 °C / -40 °F up to +95 °C / +203 °F up to +125 °C / +257 °F short-time

Further properties: Inner layer electrically conductive, $R < 10^6 \Omega/m$; transition resistance through the hose wall $R > 10^{11} \Omega$; outer layer electrically insulating, $R > 10^{11} \Omega/m$

Meets the requirements of fire and smoke gas toxicity DIN EN 45545-2 - HL3 für Anforderungssatz R22 + R23

TECHNICAL DATA

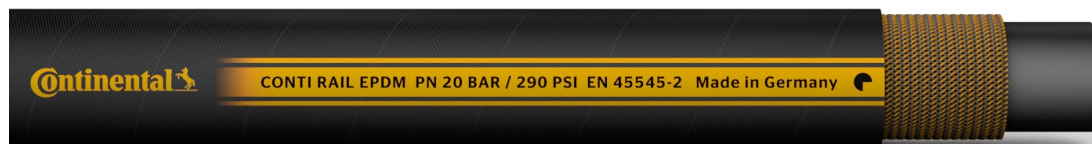
nominal width	inner-Ø	wall thickness	outer-Ø	length	helix	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	helix	bar	psi	bar	psi	aprx. mm	aprx. g/ m
1/2	13	3.5	20	40		6	87	18	261	130	234
5/8	16	4.5	25	40		6	87	18	261	160	374
3/4	20	4	28	40		6	87	18	261	200	385
1	25	4.5	34	40		6	87	18	261	250	526
1	25	5.5	36	40	●	6	87	18	261	125	697
1 1/8	28	4	36	40		6	87	18	261	280	510
1 3/8	34	6	46	40		6	87	18	261	340	987
1 3/8	35	4	43	40		6	87	18	261	350	627
1 9/16	40	4.5	49	40	●	6	87	18	261	200	846
1 9/16	40	6	52	40	●	6	87	18	261	200	1.101
2	50	8	66	40	●	6	87	18	261	250	2.004
2	50	10	70	40		6	87	18	261	500	2.419
2 3/8	60	6	72	40		6	87	18	261	600	1.541

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions on request / Special designs with insulating inner layer on request



CONTI RAIL EPDM - 20 BAR

The reliable solution for cooling and waste water, sewage and in rail transport



MARKING: Continental CONTI RAIL EPDM PN 20 BAR / 290 PSI EN 45545-2 Made in Germany

APPLICATIONS

In rail vehicles for cooling water and cooling brines, heating systems, roof drainage and drainage of condensation water, Railroad cars, Railway industry, Sanitary area

FLOW MEDIUM

Commercially available cooling water additives in usual concentrations, Condensation, Excrements, Sewage, Treated and non-treated cooling water

STANDARD / APPROVAL

DIN EN

45545-2 (R22 + R23)

DESCRIPTION

Inner lining: EPDM, black, non-porous, smooth

Reinforcements: Synthetic fibres

Cover: EPDM, black, fabric patterned, abrasion resistant, resistant to excrements, resistant to ozone, weather and UV

Working pressure up to: 20 bar / 290 psi

Temperature range: from -40 °C / -40 °F up to +95 °C / +203 °F up to +125 °C / +257 °F short-time

Further properties: Inner layer electrically conductive, $R < 10^6 \Omega/m$; transition resistance through the hose wall $R > 10^{11} \Omega$; outer layer electrically insulating, $R > 10^{11} \Omega/m$

Meets the requirements of fire and smoke gas toxicity DIN EN 45545-2 - HL3 für Anforderungssatz R22 + R23

TECHNICAL DATA

nominal width	inner-Ø	wall thickness	outer-Ø	length	working pressure		min. burst pressure		min. bending radius	weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	aprx. mm	aprx. g/ m
3/8	10	4	18	40	20	290	60	870	100	228
5/8	15	4	23	40	20	290	60	870	150	302
5/8	16	4	24	40	20	290	60	870	160	320
3/4	19	4	27	40	20	290	60	870	190	367
7/8	22	4.5	31	40	20	290	60	870	220	479
1	25	5	35	40	20	290	60	870	250	604
1 5/8	42	5	52	40	20	290	60	870	420	907

Temperature resistance applies only to materials used / All technical data apply at room temperature / Other dimensions on request / Special designs with insulating inner layer on request

Rubber

The most important types of rubber and their properties

Common name	ASTM name	General properties
Butyl rubber	IIR	› excellent weather resistance › low air and gas permeability › good acid and caustic resistance › good physical properties › good heat and cold resistance › no resistance to mineral-oil-derived liquids
Chlorbutyl rubber	CIIR	› an interesting variant of butyl rubber from the chemical point of view
Chlorinated polyethylene	CM CPE	› excellent resistance to ozone and weather › medium resistance to oil and aromatic compounds › excellent flame resistance
Ethylene propylene rubber	EPDM	› excellent ozone, chemical, and ageing properties › very good steam resistance › good cold and heat resistance (-40°C to +150°C) › good resistance to brake fluid based on glycol
Hydrogenated nitrile rubber	HNBR	› good resistance to mineral oil-based fluids, vegetable and animal fats, aliphatic hydrocarbons, diesel fuels, ozone, acid gas, diluted acids and caustics › suitable for high temperatures
Chlorosulfonated polyethylene	CSM	› excellent weather, ozone, and acid resistance › limited resistance to mineral-oil-derived liquids
Natural rubber	NR	› excellent physical properties › high elasticity, flexibility › very good abrasion resistance › limited resistance to acids › not resistant to oil
Polychloroprene	CR	› excellent weather resistance › flame-retardant › medium oil resistance › good physical properties › good abrasion resistance
Acrylo-nitrile rubber	NBR	› excellent oil resistance › limited resistance to aromatic compounds › the resistance to fuel and flexibility to cold depends on ACN content
NVC	NBR/PVC	› excellent oil and weather resistance for both lining and cover › not particularly resistant to cold
Acrylate rubber	ACM	› excellent oil and tar resistance at high temperatures
Styrene-butadiene rubber	SBR	› good physical properties › good abrasion resistance › low resistance to mineral-oil-derived liquids
Silicone rubber	MQ/MVQ	› very good hot-air resistance – up to +250°C for short periods of time › good low temperature behaviour, ozone and weather resistance › limited oil resistance › not resistant to petrol and acids
Fluorinated rubber	FPM/FKM	› excellent high-temperature resistance – up to +225°C and up to +250°C for short periods of time especially in fuel and oil › very good chemical resistance

The table lists the general properties of the materials mainly used for hoses. The table should not be considered to be exhaustive.

Plastics

The most important types of plastics and their properties

Common name	Trade name	General properties
Fluorinated ethylene propylene (FEP)	Teflon FEP	› very good temperature resistance › can be used almost universally › very good chemical resistance › very expensive
Polyamide (PA)	Nylon, Perlon Rilsan, Grilamid	› very good cold resistance › good mechanical strength › high tensile strength › high water absorption
Polyethylene (PE)	Hostalen, Lupolen	› good cold resistance › good slide properties › good chemical resistance › low-priced
Polypropylene (PP)	Hostalen PP, Luparen	› good chemical resistance › physiologically safe › sensitive to cold › good slide properties › low-priced
Polytetrafluorethylene (PTFE)	Hostafion, Teflon-PTFE	› very good chemical resistance › anti-adhesive › physiologically safe › very expensive, › very good temperature resistance › can be used almost universally
Polyurethane (PUR)	Vistram, Vulkollan Elastollan, Desmopan	› excellent mechanical properties › very high abrasion resistance › high elasticity › very good resistance to ozone and ageing › low heat resistance
Polyvinyl chloride (PVC)	Vinoflex, Hostalit	› good chemical resistance › very low-priced › low heat resistance › hardly inflammable
Thermoplastic elastomers (TPE)	Maprene, Verprene, Santoprene, Hytrel	› good abrasion resistance › good temperature resistance › different types with very different properties
Thermoplastic polyurethane (TPU)	Desmopan	› excellent hot-air ageing › good abrasion resistance › good temperature resistance › good chemical resistance
Ultrahigh molecular polyethylene (UPE)	GUR	› excellent resistance to a wide range of solvents, chemicals, acids, and oils (including aromatic compounds) › very good abrasion resistance

The table lists the general properties of the materials mainly used for hoses. The table should not be considered to be exhaustive.

Conversion tables

The most common conversions from inches to millimeters

Inch	Millimeter	Inch	Millimeter	Inch	Millimeter
1/32	= 0.79	3/8	= 9.53	1 1/4	= 31.75
1/16	= 1.59	1/2	= 12.70	1 1/2	= 38.75
1/8	= 3.18	5/8	= 15.88	2	= 50.80
3/16	= 4.76	3/4	= 19.05	2 1/2	= 63.50
1/4	= 6.35	7/8	= 22.23	3	= 76.20
5/16	= 7.94	1	= 25.40	4	= 101.60

Conversion formulas for millimeter and inches

Metric to inches: millimeter x 0.03937 = inches	Inches to metric: inches x 25.4001 = millimeters
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Lengths

			Kilometers km	Meters m	Decimeters dm	Centimeters cm	Millimeters mm
Kilometers	km	=	1	1000	10000	100000	1000000
Meters	m	=	0.001	1	10	100	1000
Decimeters	dm	=	0.0001	0.1	1	10	100
Centimeters	cm	=	0.00001	0.01	0.1	1	10
Millimeters	mm	=	0.000001	0.001	0.01	0.1	1

Conversion factors for temperatures

Known temperature scale	Required temperature scale °C	°F
Fahrenheit (°F)	$\frac{5}{9} (F - 32)$	1
	1	$\frac{9}{5} (C + 32)$

Example: $320^{\circ}\text{F} = \frac{5}{9} (320 - 32) = \frac{5}{9} \times 288 = 160^{\circ}\text{C}$

Vacuum units

Unit	Factor for conversion in					
	PA: $\frac{\text{N}}{\text{m}^2}$	at: $\frac{\text{kp}}{\text{cm}^2}$	atm	Torr, mmHg	bar	mm WS: $\frac{\text{kp}}{\text{m}^2}$
1 at = 1 $\frac{\text{kp}}{\text{cm}^2}$	9.81×10^4	1	0.968	736	0.981	10^4
1 atm	1.013×10^5	1.033	1	760	1.013	1.033×10^4
1 Torr	133.32	1.36×10^{-3}	1.32×10^{-3}	1	1.33×10^{-2}	13.60
1 bar	10^5	1.02	0.987	750	1	1.02×10^4
1 mm WS = 1 $\frac{\text{kp}}{\text{m}^2}$	9.81	10^{-4}	9.68×10^{-3}	7.36×10^{-3}	9.81×10^{-2}	1

The units at: $\frac{\text{kp}}{\text{cm}^2}$, atm, Torr, mm WS: $\frac{\text{kp}}{\text{m}^2}$ should not be used if at all possible.

Proof and minimum burst pressure

Ratio of proof and minimum burst pressure to working pressure

Number	Mode of operation (guideline only)	Ratio proof pressure : working pressure	Ratio minimum burst pressure : working pressure
1	water hoses, max. working pressure 1 MPa	> 1.5	> 3.0
2	hoses for other fluids, solid matters dissolved in fluids or air and water hoses with a working pressure above 1 MPa	> 2.0	> 4.0
3	hoses for compressed air and other gases	> 2.0	> 4.0
4	hoses for fluids – which under reduction of pressure, i.e. blow off into atmosphere-change to gaseous condition	> 2.5	> 5.0
5	steam hoses	> 5.0	> 10.0
6	high pressure hoses	> 1.5	> 2.5

Ref. No. EN ISO 7751 : 1997 D

Bending radius

Measurement of the maximum admissible bending radius

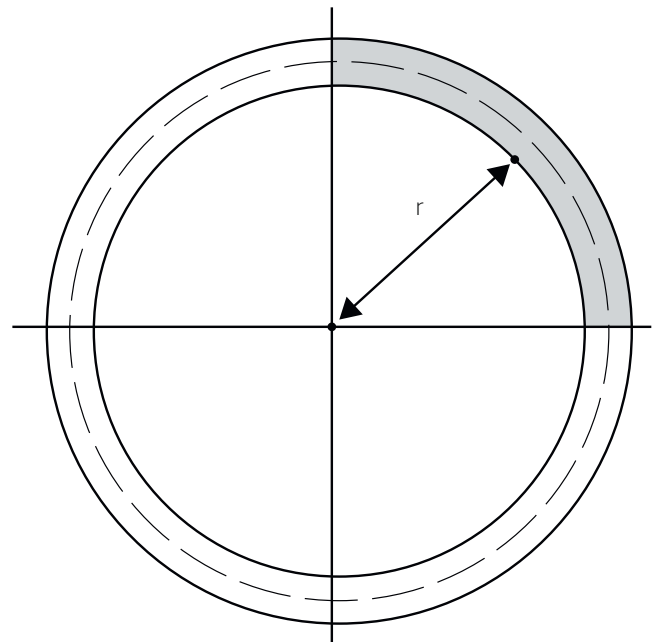
The bending radius of hoses may be influenced by:

- > hose construction (number and kind of reinforcements)
- > wall thickness
- > kind of material (elastomer/plastomer)
- > helix

As a rule-of-thumb the bending radii are:

- > hoses with helix: inner diameter x 5
- > hoses without helix: inner diameter x 10

In addition please take into account that hoses without helix and under pressure (> 1 bar) allow distinctively smaller radii.



r = maximum admissible bending radius of hose in mm

Recommended cleaning

when using ContiTech hoses for the food and beverage industry

Basic instructions

ContiTech brand hoses for the food, beverage, cosmetic, and pharmaceutical industries conform to applicable national and international requirements for food hoses. To ensure safe operation and the longest possible service life, follow the cleaning recommendations below.

Cleaning before first use

Elastomer hoses may have a slight odor of their own, which is technologically unavoidable and can be eliminated by proper cleaning.

We therefore recommend the following cleaning procedure before first use:

- › Fill the hose with hot water
- › Store the hose for at least 10 hours
- › Empty the hose

We then recommend one of the following cleaning procedures

Cleaning agent	Temperature and duration
Water	+90°C max. 20 minutes
Steam	+130°C max. 20 minutes
Chemicals	Temperature and duration
Soda lye (NaOH)	2 % bei room temperature max. 30 minutes
Hydrogen peroxide (H ₂ O ₂)	0,15 % bei room temperature max. 30 minutes
Nitric acid (HNO ₃)	0,15 % bei room temperature max. 30 minutes

- › In all cases, the hose must be rinsed with tap water!

If the hose still unexpectedly gives off an odor, several cleaning processes should be conducted consecutively.

Standard cleaning

After use or at regular intervals, the hose must be treated with an ordinary cleaning and disinfection agent. For detailed information and to choose a suitable cleaning and disinfection agent, please refer to our complete resistance list.

Please observe our recommendations on storing and maintaining hoses.

Storage and handling

of hoses and hose lines

For ContiTech hoses to provide the longest possible service life, it is very important that they be stored and handled properly. Under improper storage conditions or with incorrect handling, most rubber products change their physical characteristics. This can shorten their service life, and they may become unusable, for example, due to excessive hardening, softening, permanent distortion, flaking, cracking or other surface damage.

Storage

The regulations for storing elastomers, and therefore also hoses and hose lines, are specified in paragraph 3 of DIN 7716 (Rubber products; requirements for storage, cleaning and maintenance). The following guidelines must be observed:

› Storage area

The storage area must be dry, cool, as dust-free as possible, weather-protected, and only moderately ventilated.

› Temperatur

When rubber products are stored, the temperature must not be below -10°C or above $+15^{\circ}\text{C}$. In isolated cases, the upper limit can be exceeded up to $+25^{\circ}\text{C}$.

› Heating

In heated storage areas, the rubber products must be shielded from heat sources, and the stored products and the heat source must be at least a meter apart.

› Humidity

Do not store in humid areas, and do not allow condensation. Ideally, air humidity in the storage room must be less than 65%.

› Lighting

Rubber products must especially be protected from direct sunlight and strong artificial light with a high ultraviolet component. Lighting with normal incandescent lights is preferable. A red or orange – but never blue – protective coating on the storage area's window panes helps prevent light damage.

› Ozone

The storage areas should contain no devices that create ozone, such as electric motors or other devices that may produce sparks or other electrical discharges. Fumes and combustion gases that may cause photochemical processes or ozone formation must absolutely be prevented or removed. The products must also be protected from strong changes of air, especially from drafts.

Hose products must be stored with no tension or kinks. In this case, observe the bending radii indicated. If possible, store the hoses in their original packaging. Protect the open ends of the hoses by inserting protective caps or stoppers to prevent internal soiling.

Proper handling

- › Prevent improper mechanical stresses (pulling, crushing, kinking, etc.) and chemical stresses (such as incorrect cleaning of the hoses).
- › Hoses are to be used only within the operating pressure and temperature ranges indicated on their data sheets and in observance of their minimum bending radii. Continuous stress within the range limit can shorten the hose's service life.
- › Prevent contact between the unprotected hose end and the transport medium.

Inquiry sheet

Hoses and hose lines

Fax: +49 5631 58-2212
E-Mail: industrial.hoses@fluid.contitech.de

Company	Customer no.
Department	Project
Name	Phone
Street	Telefax
P.O. Box / City	E-Mail

Dimensions & compressive stress							Tolerances DIN EN ISO 1307 (DIN 7715)		
inner-Ø mm	outside-Ø mm	wall thickness mm	length m	min. bending radius ca. mm	working pressure static bar	dynamic bar	test pressure bar	min. burst pressure bar	vacuum bar

Construction

☐ armoured cover ☐ reinforcement ☐ textile hose ☐ steel hose

Applications

Working conditions

Product/concentration		temperature inside		temperature outside		electrical requirements		mechanical influences	
internal %	outside %	min. °C	max. °C	min. °C	max. °C	internal	outside	internal	outside

Specialties

Connection | couplings | price limit | total quantity/annual quantity | order quantity | marking | hose in use

Our proposal _____ Hand over to _____

Use and cleaning conditions

Hoses and hose lines

Fax: +49 5631 58-2212

E-Mail: industrial.hoses@fluid.contitech.de

Customer

Hose

Type, dimension, etc.

Batch

Delivery note

Conditions of use

Fluid/conveyed medium*	Concentration %	Temperature °C	Pressure bar	Duration min	Remarks (Pulsation etc.)

*if available, please attach Material Safety Data Sheets

Cleaning process

Type	Temperature °C	Pressure bar	Duration min
Dampen Please specify cleaning medium at cleaning conditions	☐ no ☐ yes*		
Flush Please specify cleaning medium at cleaning conditions	☐ no ☐ yes*		

*if yes, specify temperature, pressure and duration

Cleaning conditions

Seq. No.	Cleaning medium*	Concentration %	Temperature °C	Pressure bar	Duration min	Frequency

*if available, please attach Material Safety Data Sheets

Remarks

Date

Issuer

Industrial Solutions EMEA

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Continental-Plaza 1 | 30175 Hannover, Germany

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Use and cleaning conditions

Hoses and hose lines

Conditions of use

Fluid/conveyed medium*	Concentration %	Temperature °C	Pressure bar	Duration min	Remarks (Pulsation etc.)

Cleaning process

Type			Temperature °C	Pressure bar	Duration min
If yes, then specify temperature, pressure and duration					
Dampen					
Please specify cleaning medium at cleaning conditions	☐ no	☐ yes*			
Flush					
Please specify cleaning medium at cleaning conditions	☐ no	☐ yes*			

Cleaning conditions

Seq. No.	Cleaning medium*	Concentration %	Temperature °C	Pressure bar	Duration min	Frequency

* If available, please attach Material Safety Data Sheets

Remarks

Date of entry

Issuer

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