



AI MODIFIED

FOR GREATER SAFETY AND COMFORT IN RAIL TRANSPORT

Hoses for rail transport technology

The reliable solution for cooling water, wastewater, fecal matter and cable protection

CONTI RAIL EPDM – 6 BAR

Applications

Rail operations, use as a cable protection sleeve, railway carriages and locomotives, in rail vehicles for cooling water and cooling brine, heating systems, roof and condensate drainage, sanitary facilities.

Flow media

Wastewater, treated and untreated cooling water, fecal matter, commercially available coolant additives in standard concentrations, condensate, rain water

Standards/Approvals

DIN EN
45545-2 HL3
(R22+R23)

Specifications

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

Reinforcement: Synthetic yarns

Cover: EPDM, black, fabric-patterned, abrasion-resistant, resistant to fecal matter, ozone, weathering and UV rays

Operating pressure up to: 6 bar / 87 psi

Temperature range: -40 °C to +95 °C (briefly up to +125 °C)

Further properties

- › Fire and toxicity properties in accordance with DIN EN 45545-2 - HL3 for requirement set R22 + R23
- › Inner lining electrically conductive, $R < 10^6 \Omega/m$
- › Resistance through the hose wall $R > 10^{11} \Omega$
- › Cover electrically insulating, $R > 10^{11} \Omega/m$
- › Made in Germany



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

Technical data

Nominal width	Inner Ø	Wall thickness	Outer Ø	Length	Spiral	Working pressure		Min. burst pressure		Min. bending radius	Weight
Zoll/inch	mm	mm	mm	m	helix*	bar	psi	bar	psi	approx. mm	approx. 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 the materials used / All technical data apply at room temperature / Additional nominal widths available on request / Special designs with an insulating inner layer available on request / High pressure and/or temperature may result in a reduction in service life / This data sheet replaces data sheets with the same number but an earlier date

* The design of the hoses with a helix differs from the version shown in the illustration

Versatile and durable – for cooling water, wastewater and fecal matter

CONTI RAIL EPDM – 20 BAR

Applications

Rail operations, railway carriages and locomotives, in rail vehicles for cooling water and cooling brine, heating systems, roof and condensate drainage, sanitary facilities.

Flow media

Wastewater, treated and untreated cooling water, fecal matter, commercially available coolant additives in standard concentrations, condensate

Standards/Approvals

DIN EN
45545-2 HL3
(R22+R23)

Specifications

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

Reinforcement: Synthetic yarns

Cover: EPDM, black, fabric-patterned, abrasion-resistant, resistant to fecal matter, ozone, weathering and UV rays

Operating pressure up to: 20 bar / 290 psi

Temperature range: -40 °C to +95 °C (briefly up to +125 °C)

Further properties

- › Fire and toxicity properties in accordance with DIN EN 45545-2 - HL3 for requirement set R22 + R23
- › Inner lining electrically conductive, $R < 10^6 \Omega/m$
- › Resistance through the hose wall $R > 10^{11} \Omega$
- › Cover electrically insulating, $R > 10^{11} \Omega/m$
- › Made in Germany



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

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	approx. mm	approx. 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

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For the reliable supply of compressed air

Pneumatic brake hose

Applications

The connecting hose for main compressed-air lines in railway operations has been specially designed for the reliable transfer of dry and oil-containing compressed air between the locomotive and railway carriages.

Flow media

Dry and oil-containing compressed air

Standards/Approvals

DN 28 tested in accordance with UIC 830-1/V

Specifications

Inner lining: NR, black, non-porous, smooth, resistant to oils and greases

Reinforcement: Synthetic yarns

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

Temperature range: -40 °C to +70 °C

Further properties

- › Ozone-resistant
- › Resistant to dry and oil-containing compressed air
- › UIC 830-1/V covers only DN 28
- › Available ex stock
- › Made in Germany



LABEL: Continental CONTI RAIL DRUCKLUFTBREMSSCHLAUCH DN 28 UIC 830 - 1/V 08/25

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	approx. mm	ca. g/m
1/2	13	6	25	40	10	145	70	1,015	50	431
5/8	16	6	28	40	10	145	70	1,015	55	496
5/8	18	6.5	31	40	10	145	70	1,015	60	601
7/8	22	7.5	37	40	10	145	70	1,015	70	834
7/8	25	7	39	40	10	145	70	1,015	75	845
1 1/8	28	7.75	43.5	40	10	145	70	1,015	180	1,041
1 3/8	32	9	50	40	10	145	70	1,015	280	1,516
1 3/8	35	9	53	40	10	145	70	1,015	105	1,638

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For the reliable supply of compressed air

Pneumatic brake hose

Applications

The connecting hose for main compressed-air lines in railway operations has been specially designed for the reliable transfer of dry and oil-containing compressed air between the locomotive and railway carriages.

Flow media

Dry and oil-containing compressed air

Standards/Approvals

DIN EN

15807

DN 28, tested in accordance with EN 15807

45545-2

Fire protection in accordance with requirements catalog R22 + R23

Specifications

Inner lining: CR, black, non-porous, smooth, resistant to oils and greases

Reinforcement: Synthetic yarns

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

Temperature range: -40 °C to +70 °C

Further properties

- › Fire and toxicity properties in accordance with DIN EN 45545-2 - HL3 for requirement set R22 + R23
- › Ozone-resistant
- › Resistant to dry and oil-containing compressed air
- › EN 15807 covers only DN 28
- › Available ex stock
- › Made in Germany



LABEL: Continental CONTI RAIL DRUCKLUFTBREMSSCHLAUCH DN 28 EN 15807 EN 45545-2 08/25

Technical data

Nominal width	Inner Ø	Wall thick-ness	Outer Ø	Length	Working pressure		Min. burst pressure		Min. bending radius	Weight
Zoll/inch	mm	mm	mm	m	bar	psi	bar	psi	approx. mm	approx. g/m
1/2	13	6	25	40	10	145	70	1,015	85	498
5/8	16	6	28	40	10	145	70	1,015	105	754
5/8	16	7.5	31	40	10	145	70	1,015	160	566
7/8	22	7	36	40	10	145	70	1,015	140	877
1	25	7	39	40	10	145	70	1,015	160	968
1 1/8	28	7.75	43.5	40	10	145	70	1,015	280	1,171
1 3/16	30	9	48	40	10	145	70	1,015	180	1,527
1 1/4	32	9	50	40	10	145	70	1,015	210	1,612
1 3/8	35	9	53	40	10	145	70	1,015	225	1,733

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