SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

1275-10-1018

Roth PPSU PressCheck

Product group: Heating - Pipe systems / Fittings - Pipes / pipe cladding

Roth Werke GmbH
Am Seerain 2
35232 Dautphetal-Buchenau

Product qualities:

- **SHI** Product Assessment 2024 ✓
- **QNG** Qualitätssiegel Nachhaltiges Gebäude ✓
- **DGNB** NEW CONSTRUCTION 2023.2 ✓
- **DGNB** NEW CONSTRUCTION 2023 ✓
- **DGNB** NEW CONSTRUCTION 2018 ✓
- **BNB-BN** NEUBAU V2015 ✓
- **BREEAM** DE NEUBAU 2018 ✓
- **LEED** v4.1 (outside US) ✓

CERTIFIED SUSTAINABLE PRODUCT
SHI PRODUCT PASSPORT
SENTINEL HOLDING INSTITUT
www.sentinel-holding.eu

Köttner

Helmut Köttner
Scientific Director
Freiburg, 26 August 2026

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INSTITUT

Product:
Roth PPSU PressCheck

SHI Product Passport no.:
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The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar

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Product:
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SHI Product Assessment 2024

Since 2008, Sentinel Holding Institut GmbH (SHI) has been establishing a unique standard for products that support healthy indoor air. Experts carry out independent product assessments based on clear and transparent criteria. In addition, the independent testing company SGS regularly audits the processes and data accuracy.

Criteria	Product category	Assessment
SHI Product Assessment		Indoor air neutral

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QNG - Qualitätssiegel Nachhaltiges Gebäude

The Qualitätssiegel Nachhaltiges Gebäude (Quality Seal for Sustainable Buildings), developed by the German Federal Ministry for Housing, Urban Development and Building (BMWSB), defines requirements for the ecological, socio-cultural, and economic quality of buildings. The Sentinel Holding Institut evaluates construction products in accordance with QNG requirements for certification and awards the QNG ready label. Compliance with the QNG standard is a prerequisite for eligibility for the KfW funding programme. For certain product groups, the QNG currently has no specific requirements defined. Although classified as not assessment-relevant, these products remain suitable for QNG-certified projects.

Criteria	Pos. / product group	Considered substances	QNG assessment
3.1.3 Schadstoffvermeidung in Baumaterialien			QNG ready - Not relevant for assessment

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Product:
Roth PPSU PressCheck

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1275-10-1018

DGNB New Construction 2023.2

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact			Not relevant for assessment

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Product:
Roth PPSU PressCheck

SHI Product Passport no.:
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DGNB New Construction 2023

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings. The 2023 version sets high standards for ecological, economic, socio-cultural, and functional aspects throughout the entire life cycle of a building.

Criteria	Assessment
ECO1.1 Life cycle cost (*)	May positively contribute to the overall building score

Criteria	Assessment
SOC2.1 Barrier-free design (*)	May positively contribute to the overall building score

Criteria	Assessment
ENV2.2 Potable water demand and waste water volume (*)	May positively contribute to the overall building score

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition)			Not relevant for assessment

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 29.05.2025 (4th edition)			Not relevant for assessment

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Product:
Roth PPSU PressCheck

SHI Product Passport no.:
1275-10-1018

DGNB New Construction 2018

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings.

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact			Not relevant for assessment

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Product:
Roth PPSU PressCheck

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BNB-BN Neubau V2015

The Bewertungssystem Nachhaltiges Bauen (Assessment System for Sustainable Building) is a tool for evaluating public office and administrative buildings, educational facilities, laboratory buildings, and outdoor areas in Germany. The BNB was developed by the former Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) and is now overseen by the Federal Ministry for Housing, Urban Development and Building (BMWSB).

Criteria	Pos. / product type	Considered substance group	Quality level
1.1.6 Risiken für die lokale Umwelt			Not relevant for assessment

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Roth PPSU PressCheck

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BREEAM DE Neubau 2018

BREEAM (Building Research Establishment Environmental Assessment Methodology) is a UK-based building assessment system that evaluates the sustainability of new constructions, refurbishments, and conversions. Developed by the Building Research Establishment (BRE), the system aims to assess and improve the environmental, economic, and social performance of buildings.

Criteria	Product category	Considered substances	Quality level
Hea 02 Indoor Air Quality			Not relevant for assessment

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Product:
Roth PPSU PressCheck

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LEED v4.1

LEED (Leadership in Energy and Environmental Design) is an internationally recognised building certification system developed by the U.S. Green Building Council. It is one of the most widely used sustainability standards for buildings worldwide and is particularly applied in internationally oriented projects. LEED assesses buildings holistically across categories such as energy efficiency, resource conservation, material selection, indoor environmental quality and site sustainability. Depending on the number of points achieved, projects are awarded one of the certification levels: LEED Certified, Silver, Gold or Platinum.

Criteria	Product category	Considered substances	Assessment
EQ Credit: Low-Emitting Materials			Not relevant for assessment

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Product:
Roth PPSU PressCheck

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Product labels

In the construction industry, high-quality materials are crucial for a building's indoor air quality and sustainability. Product labels and certificates offer guidance to meet these requirements. However, the evaluation criteria of these labels vary, and it is important to carefully assess them to ensure products align with the specific needs of a construction project.

Products bearing the Sentinel Holding Institute QNG-ready seal are suitable for projects aiming to achieve the "Qualitätssiegel Nachhaltiges Gebäude" (Quality Seal for Sustainable Buildings). QNG-ready products meet the requirements of QNG Appendix Document 3.1.3, "Avoidance of Harmful Substances in Building Materials." The KfW loan program Climate-Friendly New Construction with QNG may allow for additional funding.

Product:
Roth PPSU PressCheck

SHI Product Passport no.:
1275-10-1018

Legal notices

(*) These criteria apply to the construction project as a whole. While individual products can positively contribute to the overall building score through proper planning, the evaluation is always conducted at the building level. The information was provided entirely by the manufacturer.

Find our criteria here: https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfkriterien%20f%C3%BCr%20Produkte

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Publisher

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www.sentinel-holding.eu

Rohr-Installationssystem – PressCheck

Datenblatt PPSU-Fittings

Beschreibung



Die Roth PressCheck®-Fittings werden zur Herstellung von unlösbaren, kraftschlüssigen und dauerhaft dichten Verbindungen mit allen Roth Systemrohren verwendet.

Die Grundkörper der Roth PressCheck® PPSU-Fittings bestehen aus dem Hochleistungskunststoff Polyphenylsulfon (PPSU) sowie einer Presshülse aus Edelstahl. Die Konstruktion des Fittings wurde für hohe mechanische und thermische Belastungen (Auszugskräfte, Torsionskräfte, Scherkräfte und Schubkräfte) ausgelegt. Für die Dichtigkeit sorgen 2 O-Ringe aus EPDM. Die Anzahl sowie die Auslegung der O-Ringe tragen zu einer hohen Betriebssicherheit bei.

Die Kunststoff-Fittings sind korrosionsbeständig und aufgrund des inneren Aufbaus sowie seiner glatten Oberfläche inkrustationsfrei. Resultierend daraus wird die Bildung und Ablagerung von Biofilmen wirksam vermindert.

Für eine sichere Montage sind die patentierten Roth PressCheck®-Fittings mit einer definierten Leckage im unverpressten Zustand ausgestattet. Eine beidseitige Pressbackenführung sorgt für eine konstante und einwandfreie Qualität der Verpressung.

Werkstoffeigenschaften

> Polyphenylsulfon (PPSU) ist ein Hochleistungskunststoff mit besten mechanischen Eigenschaften bei Zugfestigkeit, Bruchdehnung, Steifigkeit, Kerbschlagzähigkeit und Wärmeformbeständigkeit.

> Darüber hinaus besitzt PPSU eine ausgezeichnete Heißwasserbeständigkeit und ist unempfindlich gegen Spannungsrisse, hohe Druckbeanspruchung und Temperaturen (Dauergebrauchstemperaturen bis 180 °C).

> Der Werkstoff ist hygienisch unbedenklich und für jede Trinkwasserqualität, entsprechend den Vorgaben und Grenzwerten der Trinkwasserverordnung, geeignet.

> Bei Verwendung von Inhibitoren und Frostschutzmitteln in Heizungsinstallationen sowie im Einsatz mit chloriertem Trinkwasser weist das Material eine ausgezeichnete chemische Beständigkeit auf.

> Die Presshülse besteht aus einem Chrom-Nickel-Stahl, der eine hohe Korrosionsbeständigkeit sowie gute mechanische Eigenschaften aufweist. Der Werkstoff lässt sich ausgezeichnet kaltverformen und besitzt eine gute Formbeständigkeit.

> Die Dichtelemente sind aus einem hochwertigen EPDM gefertigt und besitzen eine gute Alterungsbeständigkeit unter thermischer Belastung. Das Material als sehr elastisch und stark verformbar, wodurch eine sehr gute Dichtwirkung erzielt wird.

> Die Chemikalienbeständigkeit ist gut.

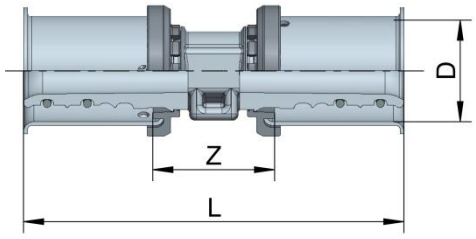
01 September 2022 · 02 · Technische Änderungen vorbehalten.

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Abmessungen

Kupplung

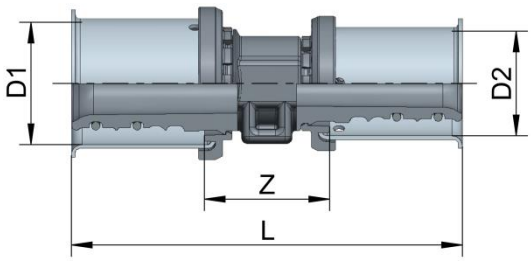




Mat.-Nr.	Ø Dimension [mm]	D [mm]	L [mm]	Z [mm]
1115005548	14	14	66	18
1115005549	17	17	66	18
1115005550	20	20	66	18
1115005551	25	26	66	18
1115005552	32	32	66	18
1135004462	40	40	91	29
1135004463	50	50	91	29

Kupplung reduziert





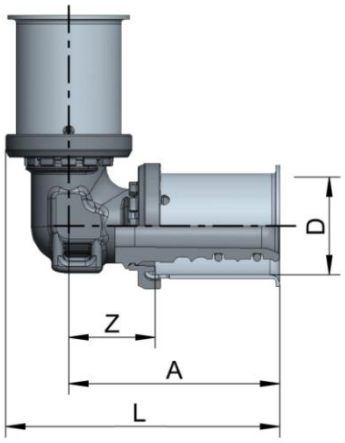
Mat.-Nr.	Ø Dimension [mm]	D1 [mm]	D2 [mm]	L [mm]	Z [mm]
1115005553	17 x 14	17	14	66	18
1115005554	20 x 14	20	14	66	18
1115005555	20 x 17	20	17	66	18
1135004465	25 x 17	26	17	66	18
1115005556	25 x 20	32	20	66	18
1135004466	32 x 20	40	20	66	18
1115005557	32 x 25	50	25	66	18
1135004467	40 x 32	40	32	82	20
1135004468	50 x 40	50	40	91	29

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Winkel 90°

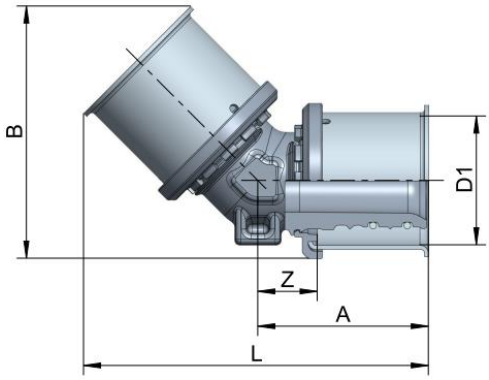




Mat.-Nr.	Ø Dimension [mm]	D [mm]	L [mm]	A [mm]	Z [mm]
1115005558	14	14	47	37	13
1115005559	17	17	50	38	14
1115005560	20	20	53	40	16
1115005561	25	26	59	43	19
1115005562	32	32	65	46	22
1135004469	40	40	85	61	30
1135004470	50	50	95	65	34

Winkel 45°





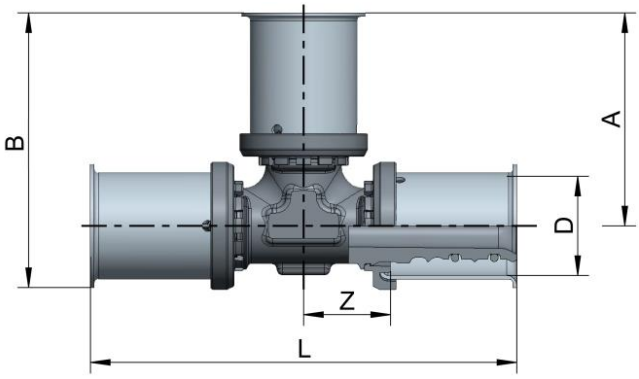
Mat.-Nr.	Ø Dimension [mm]	D [mm]	L [mm]	B [mm]	A [mm]	Z [mm]
1115005563	25	26	70	52	35	12
1115005564	32	32	73	57	35	12
1135004471	40	40	100	74	49	19

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T-Stück





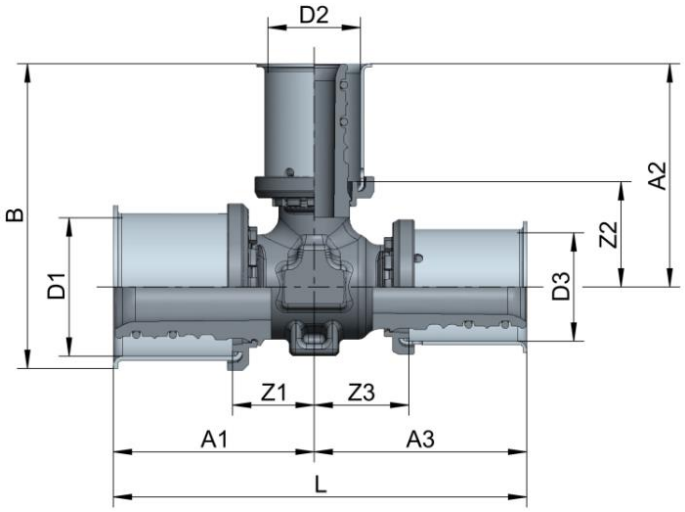
Mat.-Nr.	Ø Dimension [mm]	D [mm]	L [mm]	B [mm]	A [mm]	Z [mm]
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1115005524	17	17	76	50	38	14
1115005525	20	20	79	53	40	16
1115005526	25	26	85	59	43	19
1115005527	32	32	91	65	46	22
1135004450	40	40	121	85	61	30
1135004452	50	50	130	95	65	34

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T-Stück Abgänge reduziert





Mat.-Nr.	Ø Dimension [mm]	D1 [mm]	D2 [mm]	D3 [mm]	L [mm]	B [mm]	A1 [mm]	A2 [mm]	A3 [mm]	Z1 [mm]	Z2 [mm]	Z3 [mm]
1115005528	17 x 14 x 17	17	14	17	73	50	37	38	37	13	14	13
1115005529	20 x 14 x 20	20	14	20	73	53	37	40	37	13	16	13
1115005530	20 x 17 x 20	20	17	20	76	53	38	40	38	14	16	14
1115005531	25 x 17 x 25	25	17	25	76	58	38	43	38	14	19	14
1115005532	25 x 20 x 25	25	20	25	79	58	40	43	40	16	19	16
1115006924	32 x 17 x 32	32	17	32	77	65	39	46	39	15	22	15
1115005533	32 x 20 x 32	32	20	32	79	65	40	46	40	16	22	16
1115005534	32 x 25 x 32	32	25	32	85	65	43	56	43	19	22	19
1135004454	40 x 20 x 40	40	20	40	102	75	51	51	51	20	27	20
1135004455	40 x 25 x 40	40	25	40	108	75	54	51	54	23	27	23
1135004456	40 x 32 x 40	40	32	40	114	75	57	51	57	26	27	26
1135004457	50 x 40 x 50	50	40	50	122	96	61	66	61	30	35	30
1115007433	17 x 17 x 14	17	17	14	76	50	38	38	38	14	14	14
1115005535	20 x 20 x 17	20	20	17	79	53	40	40	40	16	16	16
1115005536	25 x 25 x 20	25	25	20	85	58	43	43	43	19	19	19
1115005537	17 x 14 x 14	17	14	14	75	50	38	38	38	14	14	14
1115005538	20 x 17 x 17	20	17	17	76	53	38	40	38	14	16	14
1115005539	25 x 17 x 17	25	17	17	79	58	40	43	40	16	19	16
1115005540	25 x 17 x 20	25	17	20	79	58	40	43	40	16	19	16
1115005541	25 x 20 x 20	25	20	20	80	58	40	43	40	16	19	16
1135004460	32 x 20 x 20	32	20	20	82	65	41	46	41	17	22	17
1135004461	32 x 20 x 25	32	20	25	81	65	41	46	41	17	22	17
1115005542	32 x 25 x 25	32	25	25	85	65	43	46	43	19	22	19
1115005543	17 x 20 x 17	17	20	17	79	50	40	38	40	16	14	16
1115005544	20 x 25 x 17	20	25	17	85	53	43	40	43	19	16	19
1115005545	20 x 25 x 20	20	25	20	85	53	43	40	43	19	16	19
1115005546	20 x 32 x 20	20	32	20	91	53	46	40	46	22	16	22
1115005547	25 x 32 x 25	25	32	25	91	58	46	43	46	22	19	22

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Technische Daten

Einsatzbereich	Trinkwasser-Installationen Heizungs-Installationen
Werkstoff	Grundkörper: Polyphenylsulfon (PPSU) Presshülse: austenitischer Chrom-Nickel Stahl Dichtelemente: EPDM
Farbe	grau
Baustoffklasse	B1 nach DIN 4102 E nach EN 13501
max. Temperatur dauerhaft	70 °C / 10 bar
max. Temperatur kurzzeitig	95 °C / 6 bar
max. Druck	10 bar
Besonderheit	unverpresst undicht bei 1,5 bar Einprägung des Produktionszeitraums
Prüf- und Zertifizierungsgrundlagen	DVGW W 542 DVGW W 534 DVGW W 270 UBA KTW EN ISO 21003
Zulassungsnummer	DVGW DW-8501BR0037
verwendbare Roth Systemrohre	Alu-Laserplus X-PERT S5 PERTEX S5 DUOPEX S5 Alu Laserflex

Anmerkung: Die jeweils gültigen Herstellerangaben/Montagevorschriften für die Systemlösungen sind zu beachten.

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DVGW-Baumusterprüfzertifikat

DVGW type examination certificate

DW-8501BR0037
Registriernummer
registration number

Anwendungsbereich ***field of application***	Produkte der Wasserversorgung *products of water supply*
Zertifikatinhaber ***owner of certificate***	ROTH WERKE GmbH Am Seerain 2, D-35232 Dautphetal
Vertreiber ***distributor***	ROTH WERKE GmbH Am Seerain 2, D-35232 Dautphetal
Produktart ***product category***	Installationssysteme und Systemverbinder (PN 10): Trinkwasserinstallationssystem (8501)
Produktbezeichnung ***product description***	Trinkwasserinstallationssystem bestehend aus Pressverbindern aus Metall oder Kunststoff (PPSU) und Verbundrohr (PE-RT/Al/PE-RT)
Modell ***model***	Roth Rohr-Installationssystem mit Systemrohr Alu-Laserplus
Prüfberichte ***test reports***	Kontrollprüfung Labor: V058/25.3 vom 23.04.2025 (IMA) Ergänzungsprüfung: V239/19 vom 06.08.2019 (IMA) Ergänzungsprüfung: V386/18 vom 27.12.2018 (IMA) Baumusterprüfung: 22 0002404-3 vom 18.02.2003 (IMA) Baumusterprüfung: 22 0002404-1/ -2 vom 16.02.2003 (IMA)
Prüfgrundlagen ***test basis***	DVGW CERT ZP 8500 (23.05.2022) DVGW W 534-(P) (01.07.2015)
Ablaufdatum / AZ ***date of expiry / file no.***	20.02.2027 / 26-0004-WNV

70028-04-A-DE

08.01.2026 Gre A-1/2 i.A. Dr. Z.

Datum, Bearbeiter, Blatt, Leiter der Zertifizierungsstelle
date, issued by, sheet, head of certification body

DAkkS Deutsche Akkreditierungsstelle D-ZE-16028-01-00

DVGW CERT GmbH
Josef-Wirmer-Str. 1-3
53123 Bonn
Tel. +49 228 9188-888
info@dvgw-cert.com
www.dvgw-cert.com

Typ *type*	Technische Daten *technical data*	Bemerkungen *remarks*
Roth Rohr-Installationssystem	Nenndurchmesser: 14 mm	Typ M-MV, Typ M-KV
Roth Rohr-Installationssystem	Nenndurchmesser: 16 mm	Typ M-MV, Typ M-KV
Roth Rohr-Installationssystem	Nenndurchmesser: 17 mm	Typ M-MV, Typ M-KV
Roth Rohr-Installationssystem	Nenndurchmesser: 20 mm	Typ M-MV, Typ M-KV
Roth Rohr-Installationssystem	Nenndurchmesser: 25 mm	Typ M-MV, Typ M-KV
Roth Rohr-Installationssystem	Nenndurchmesser: 32 mm	Typ M-MV, Typ M-KV
Roth Rohr-Installationssystem	Nenndurchmesser: 40 mm	Typ M-MV, Typ M-KV
Roth Rohr-Installationssystem	Nenndurchmesser: 50 mm	Typ M-MV, Typ M-KV
Roth Rohr-Installationssystem	Nenndurchmesser: 63 mm	Typ M-MV

Verwendungshinweise / Bemerkungen
hints of utilization / remarks

zu verwendende Pressverbinder:
Metall, Typ: M-MV
Hersteller: Gebr. Kemper GmbH + Co. KG, D-Olpe,
BENDER Armaturen GmbH & Co. KG, D-Lennestadt,
Bruse GmbH, D-Suhl-Albrechts
Kunststoff (PPSU), Typ: M-KV
Hersteller: Roth Werke GmbH, Dautphetal

zu verwendendes Verbundrohr:
Systemrohr Alu-Laserplus, Roth Werke GmbH, Dautphetal, DVGW Registriernummer: DW-8236BP5589

Die trinkwasserhygienische Eignung ist mit „Konformitätsbestätigung Hygiene“ gem. der aktuell gültigen Rechtsgrundlage nachgewiesen.

ÖSTERREICHISCHE VEREINIGUNG
FÜR DAS GAS- UND WASSERFACH

Österreichische Vereinigung für das Gas- und Wasserfach
A-1010 Wien, Schubertring 14
Telefon: +43 / 1 / 513 15 88-0* / Telefax: +43 / 1 / 513 15 88-25
E-Mail: office@ovgw.at / Internet: www.ovgw.at

GEPRÜFT

Akkreditiert durch das Bundesministerium
für Digitalisierung und Wirtschaftsstandort

Akkreditierung Austria
0922
ISO/IEC 17065

ÖVGW-Zertifikat

über die Verleihung des Rechtes zur Führung der ÖVGW-Qualitätsmarke Wasser

Registrierungsnummer

W 1.433

Geltungsdauer

bis Ende November 2024

Inhaber

Roth Werke GmbH
Am Seerain
35232 Dautphetal
DEUTSCHLAND

◆ Vertrieb in Österreich

Roth Austria Vertriebsniederlassung
Dinstlstraße 4
3500 Krems

Hersteller

System & Verbinder: Roth Werke GmbH / DE
Rohre: Becker Plastics GmbH / DE

Prüfungsart

Verlängerungsprüfung

Prüfbericht

TGM – VA KU 29222/1 vom 12. Januar 2022

Qualitätsstandards/Prüfrichtlinien

- QS-W 301 Ausgabe Mai 2020

Produkt

Roth Trinkwasser – System

Mehrschichtverbund-Rohre M mit weißem Außenmantel PE-RT Typ II/Al/PE-RT Typ II

in den Dimensionen:
(14x2,0), (17x2,0), (20x2,0), (26x3,0), (32x3,0), (40x3,5), (50x4,0) und (63x4,5) mm

(Anwendungsklassen 1, 2 / p_D = 10 bar)

Pressverbinder aus Messing oder PPSU

Weitere Angaben siehe Seite 2

ZVR 818158001

Die Verleihung erfolgt unter Zugrundelegung der Allgemeinen Geschäftsbedingungen GW 30 ÖVGW-Qualitätsmarke Produkte Gas & Wasser „Voraussetzungen für die Zuerkennung der ÖVGW-Qualitätsmarke für Produkte der Gas- und Wasserversorgung."

Wien, am 27. Jänner 2022

Dipl.-Ing (FH) Alexander Schwanzer
Leiter der ÖVGW-Zertifizierungsstelle

ÖSTERREICHISCHE VEREINIGUNG FÜR DAS GAS- UND WASSERFACH

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ÖVGW GEPRÜFT

Akkreditiert durch das Bundesministerium
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Akkreditierung Austria 0922 ISO/IEC 17065

Produkt (Fortsetzung)

Pressverbinder aus PPSU:	**Dimensionen (mm):**
T-Stück	14x14x14, 17x17x17, 20x20x20, 25x25x25, 32x32x32, 40x40x40, 50x50x50
T-Stück im Abgang reduziert	17x14x17, 20x14x20, 20x17x20, 25x17x25, 25x20x25, 32x17x32, 32x20x32, 32x25x32, 40x20x40, 40x25x40, 40x32x40, 50x40x50
T-Stück im Durchgang reduziert	17x17x14, 20x20x17, 25x25x20
T-Stück im Abgang und Durchgang reduziert	17x14x14, 20x17x17, 25x17x17, 25x17x20, 25x20x20, 32x20x20, 32x20x25, 32x25x25
T-Stück im Abgang erweitert	17x20x17, 20x25x17, 20x25x20, 20x32x20, 25x32x25
Kupplung	14x14, 17x17, 20x20, 25x25, 32x32, 40x40, 50x50
Kupplung reduziert	17x14, 20x14, 20x17, 25x17, 25x20, 32x20, 32x25, 40x32, 50x40
Winkel 90°	14x14, 17x17, 20x20, 25x25, 32x32, 40x40, 50x50
Winkel 45°	25x25, 32x32, 40x40

Pressverbinder aus Messing:	**Dimensionen (mm):**
T-Stück	63x63x63
T-Stück im Abgang reduziert	50x20x50, 50x25x50, 50x32x50, 63x25x63, 63x32x63, 63x40x63, 63x50x63
T-Stück im Abgang und Durchgang reduziert	40x32x32, 63x50x50
Kupplung	63x63
Kupplung reduziert	40x25, 50x32, 63x40, 63x50
Winkel 90°	63x63
Winkel 45°	50x50, 63x63
Übergangsmuffe mit IG	14x½", 17x½", 17x¾", 20x½", 20x¾", 25x¾", 25x1", 32x1", 32x1¼", 40x1¼", 40x1½", 50x1½", 63x2"
Übergangsnippel mit AG	14x½", 14x¾", 17x½", 17x¾", 20x½", 20x¾", 25x¾", 25x1", 32x1", 32x1¼", 40x1¼", 50x1½", 63x2"
Übergangswinkel mit IG	17x½", 17x¾", 20x½", 20x¾", 25x¾", 25x1", 32x1", 32x1¼", 40x1½", 50x1½"
Übergangswinkel mit AG	14x½", 17x½", 17x¾", 20x½", 20x¾", 25x¾", 25x1", 32x1", 32x1¼", 40x1¼", 50x1½"
Wandscheibe mit IG	14x½", 17x½", 20x½", 20x¾", 25x¾"
U-Wandscheibe mit IG	17x½"x17, 17x2½"x20, 20x½"x17, 20x½"x20
Thermoentkoppler mit IG	17-20
Übergangsstück Meplafix mit IG	17x½"
Übergangswinkel Meplafix mit IG	17x½"
Durchgangs-T-Stück Meplafix mit IG	17x½"x17
Wandscheibenset Typ A/SE (153) mit IG	17x½", 20x½"
Wandscheibenset Typ I/SE (153) mit IG	17x½", 20x½"
Wandscheibenset Typ I/SE (80) mit IG	17x½"
U-Wandscheibenset Typ A/SE (153) mit IG	17x½"x17, 20x½"x20
U-Wandscheibenset Typ I/SE (153) mit IG	17x½"x17, 20x½"x20

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Akkreditierung Austria
0922
ISO/IEC 17065

Produkt (Fortsetzung)

T-Stück mit IG	17x½"x17, 17x¾"x17, 20x½",20, 20x¾"x20, 25x½"x25, 25x¾"x25, 32x½"x32, 32x¾"x32, 40x¾"x40, 40x1"x40, 50x1"x50, 63x1"x63
Anschlusswinkel mit IG/AG	17x½"(¾"AG)
Geräteverschraubungen mit AG	20x¾", 20x1", 25x1", 32x1", 32x1¼"
Geräteverschraubungen mit IG	20x¾", 20x1", 25x1", 32x1", 32x1¼"
Pressverschraubungen	14, 17, 20
Anschlussverschraubungen mit IG	17x½", 17x¾", 20x¾", 20x1", 25x¾", 25x1", 32x¾", 32x1", 32x1¼", 40x1½"

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Leiter der ÖVGW-Zertifizierungsstelle

CERTIFICATE

Technical-approval-with-product certificate
K43968/06

Issued *2021-08-15*

Replaces *K43968/05*

Roth Werke System

STATEMENT BY KIWA
With this technical approval-with-product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Roth Werke GmbH

As specified in this technical approval-with-product certificate and marked with the Kiwa®-mark in the manner as indicated in this technical approval-with-product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K536 G "Plastics piping systems of PE-RT/Al intended for transport of hot and cold drinking water" dated 15-12-2011, inclusive amendment sheet dated 13-03-2018."

Within the framework of this technical approval-with-product certificate Kiwa does not impose any inspections with regard to the production of other parts of the plastics piping system, nor the manufacturing of the plastics piping system itself.

Ron Scheepers
Kiwa

283171015

Publication of this certificate is allowed.
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

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PRODUCTS RvA C 002

Roth Werke System

PRODUCT SPECIFICATION

Plastics piping systems of PE-RT/Al intended for the transport of cold and heated drinking water according to BRL-K536 part G

The system consists of:

- PE-RT/Al/PE-RT pipes manufactured by Becker Plastics (certificate K44813);
- PPSU press fittings (dimensions 16 to 50 mm) manufactured by Roth Werke GmbH (certificate K43967);
- Metal press fittings manufactured by Roth Werke GmbH (certificate K67757).

The pipe dimensions as indicated in the table below belong to this certificate.

Nominal outside diameter (mm)	Wall thickness (mm)	Wall thickness aluminum layer (mm)
16	2.0	0.2
17	2.0	0.2
20	2.0	0.2
26	3.0	0.4
32	3.0	0.4
40	3.5	0.6
50	4.0	0.6
63	4.5	0.8

Color pipes : inside naturel, outside white or silver
Color PPSU fittings : grey
Color metal fittings : brass

Press profile: Special Roth press profile

Fitness for contact with drinking water

The pipes and fittings used in this system are approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" dated 01-07-2017 (“Materials and chemicals in the supply of drinking water and warm tap water Regulation”; published in the Government Gazette). The criteria for these hygienic aspects are recorded in the respective product certificates.

MARKING

The products are marked with the Kiwa-mark.

Pipes

The minimum required marking on the pipes shall be:

- **KIWA** or * + Class 2 / 10 bar;
- the manufacturer’s name, trade name, system name, logo or certificate number of accompanying technical approval (system)certificate;
- material identification: PE-RT type 2;
- the buildup of the pipe: PE-RT/Al/PE-RT;
- nominal outside diameter and nominal wall thickness of the pipe in mm;
- production code.

Location of the marks: on every pipe at intervals of not more than 2 m.
The realization of the marks is as follows: clear durable and indelible.

*) for smaller diameters permitted by Kiwa.

Roth Werke System

Fittings

The minimum required marking on the fittings shall be:

- **KIWA** or on small products or or KK * or KK * (if not possible **KIWA** only on the smallest packaging unit)**;
- manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe in mm;
- production code.

Location of the marks: on every fitting.
The realization of the marks is as follows: clear, durable and indelible.

The smallest packaging unit of the fittings are provided with at least the following information:

- **KIWA** ;
- manufacturer's name, trade name, system name, logo or certificate number of the accompanying technical approval (system) certificate, in accordance with the marking of the connecting pipe;
- nominal outside diameter and nominal wall thickness of the corresponding pipe in mm;
- material identification in case the fitting body is made of plastics.

Location of the marks: on every package.
The realization of the marks is as follows: clear, durable and indelible.

*) for small fittings marking with only KK is permitted
**) only after approval by Kiwa

LOGISTICS

Production and assembly of the system is laid down in the annex of the certification agreement.

APPLICATION AND USE

The piping system is intended to be used for the transport of cold and hot drinking water according to a temperature profile class 2 of ISO 10508 and an allowable working pressure of maximum 10 bar.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Roth Werke GmbH

and, if necessary,

- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage, transport and processing methods.

CERTIFICATE

Product certificate
K43967/06

Issued *2021-08-15*

Replaces *K43967/05*

PPSU Fittings

STATEMENT BY KIWA
With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Roth Werke GmbH

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL- K536 G "Plastics piping systems of PE-RT/Al intended for transport of hot and cold drinking water" dated 15-12-2011 inclusive amendment sheet dated 13-03-2018.

Ron Scheepers
Kiwa

This product certificate is only valid in combination with a Kiwa certified plastics piping system.
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

2871/80711

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www.roth-werke.de

Certification process consists of initial and regular assessment of:
- **quality system**
- **product**

PRODUCTS RvA C 002

PPSU Fittings

PRODUCT SPECIFICATION

PPSU press fittings according to BRL-K 536 part G: Plastics piping systems of PE-RT/Al intended for the transport of cold and heated drinking water.

The fittings are suitable for the pipe dimensions as indicated in the table below.

Nominal outside diameter (mm)	Wall thickness (mm)	Wall thickness aluminum layer (mm)
16	2.0	0.2
17	2.0	0.2
20	2.0	0.2
26	3.0	0.4
32	3.0	0.4
40	3.5	0.6
50	4.0	0.6

Colour of the fittings: grey

Fitness for contact with drinking water

This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017, published in the Government Gazette).
These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.

The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

MARKING

The products are marked with the Kiwa-mark.

Fittings

The minimum required marking on the fittings shall be:

- KIWA or on small products or or KK* or KK * (if not possible KIWA only on the smallest packaging unit)**;
- manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe in mm;
- production code.

Location of the marks: on every fitting.
The realization of the marks is as follows: clear, durable and indelible.

The smallest packaging unit of the fittings are provided with at least the following information:

- KIWA ;
- manufacturer's name, trade name, system name, logo or certificate number of the accompanying technical approval (system) certificate, in accordance with the marking of the connecting pipe;
- nominal outside diameter and nominal wall thickness of the corresponding pipe in mm;
- material identification in case the fitting body is made of plastics.

Location of the marks: on every package.
The realization of the marks is as follows: clear, durable and indelible.
*) for small fittings marking with only KK is permitted
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PPSU Fittings

LOGISTICS

Production and assembly of the system is laid down in the annex of the certification agreement.

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