SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

1275-10-1020

Roth MS PressCheck

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

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

SENTINEL HOLDING
INSTITUT

Product:
Roth MS PressCheck

SHI Product Passport no.:
1275-10-1020

Contents

SHI Product Assessment 2024	1
QNG - Qualitätssiegel Nachhaltiges Gebäude	2
DGNB New Construction 2023.2	3
DGNB New Construction 2023	4
DGNB New Construction 2018	6
BNB-BN Neubau V2015	7
BREEAM DE Neubau 2018	8
LEED v4.1	9
Product labels	10
Legal notices	11
Technical data sheet/attachments	11

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:
Roth MS PressCheck

SHI Product Passport no.:
1275-10-1020

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:
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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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SHI Product Passport no.:
1275-10-1020

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:
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SHI Product Passport no.:
1275-10-1020

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 MS PressCheck

SHI Product Passport no.:
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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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Product:
Roth MS PressCheck

SHI Product Passport no.:
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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:
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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 MS 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 MS PressCheck

SHI Product Passport no.:
1275-10-1020

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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Rohr-Installationssystem – PressCheck

Datenblatt MS-Fitting

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® MS-Fittings bestehen aus Cuphin, einem hochwertigen entzinkungsbeständigen Sondermessing entsprechend den Regularien des Umweltbundesamtes sowie einer Presshülse aus Edelstahl.

Die Konstruktion des Fittings wurde für hohe mechanische und thermische Belastungen (Auszugskräfte, Torsionskräfte, Scherkräfte, Schubkräfte etc.) 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 Messing-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

> Das verwendete Messing (Cuphin) ist ein entzinkungsbeständiger Sondermessing und entspricht den hygienischen Anforderungen des Umweltbundesamtes „(Bewertungsgrundlage für metallene Werkstoffe im Kontakt mit Trinkwasser (Metall-Bewertungsgrundlage)“.

> Der Werkstoff besitzt sehr gute mechanische Eigenschaften insbesondere gute Dehnungseigenschaften bei gleichzeitig hohen Festigkeitswerten und einer guten Beständigkeit gegen Spannungsrisskorrosion. Der Werkstoff ist zudem korrosionsbeständig gegen organische Stoffe und neutrale oder alkalische Verbindungen.

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

> Bei Verwendung von Inhibitoren und Frostschutzmitteln in Heizungsanlagen, weist das Material eine gute 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.

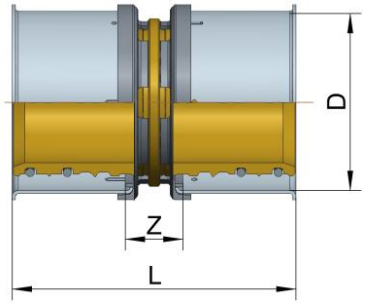
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Abmessungen

Kupplung

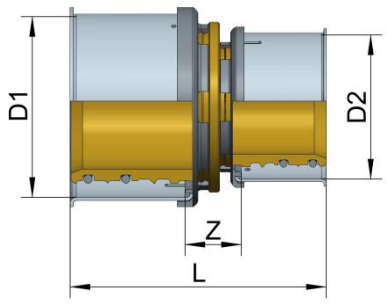




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Kupplung reduziert





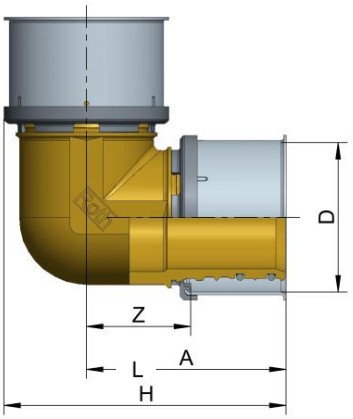
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1135004395	50 x 32	50	32	69	7
1135004396	63 x 40	63	40	90	6
1135004397	63 x 50	63	50	90	6

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Winkel 90°

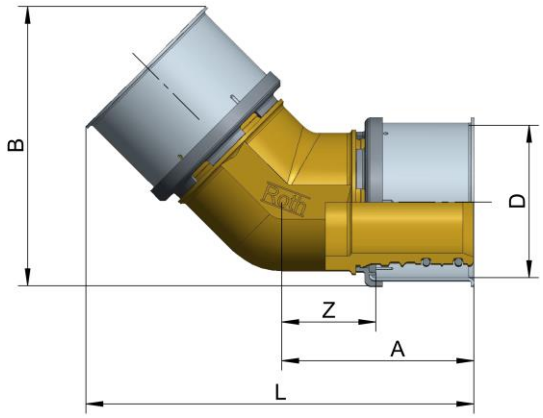




Mat.-Nr.	Ø Dimension [mm]	D [mm]	L [mm]	A [mm]	Z [mm]
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Winkel 45°





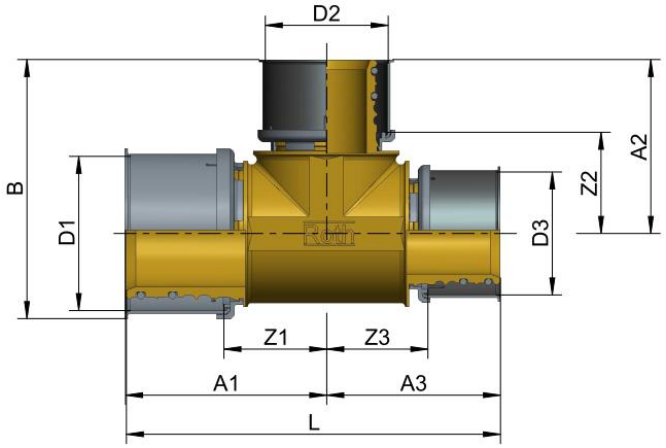
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1135004399	50	50	121	90	59	29
1135004400	63	63	160	115	79	39

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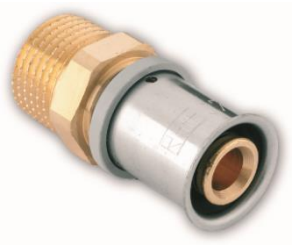
T-Stück

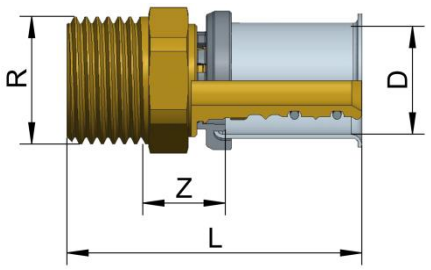




Mat.-Nr.	Ø Dimension [mm]	D1 [mm]	D2 [mm]	D3 [mm]	L [mm]	B [mm]	A1 [mm]	A2 [mm]	A3 [mm]	Z1 [mm]	Z2 [mm]	Z3 [mm]
1135004393	50 x 20 x 50	50	20	50	126	84	63	54	63	32	30	32
1135004384	50 x 25 x 50	50	25	50	126	84	63	54	63	32	30	32
1135004385	50 x 32 x 50	50	32	50	126	84	63	54	63	32	30	32
1135004394	63 x 25 x 63	63	25	63	150	97	75	61	75	33	37	33
1135004386	63 x 32 x 63	63	32	63	150	97	75	61	75	33	37	33
1135004387	63 x 40 x 63	63	40	63	165	108	82	72	82	40	41	40
1135004388	63 x 50 x 63	63	50	63	165	108	82	72	82	40	41	40
1135004389	40 x 32 x 32	40	32	32	112	75	61	51	51	30	27	27
1135004390	63 x 50 x 50	63	50	50	154	108	83	72	72	41	41	41
1135004383	63 x 63 x 63	63	63	63	165	119	83	83	83	41	41	41

Übergangsnippel





Mat.-Nr.	Ø Dimension [mm]	D [mm]	R	L [mm]	Z [mm]	L_G [mm]	SW [mm]
1135001383	14 x ½“ AG	14	½“ AG	49	13	13	22
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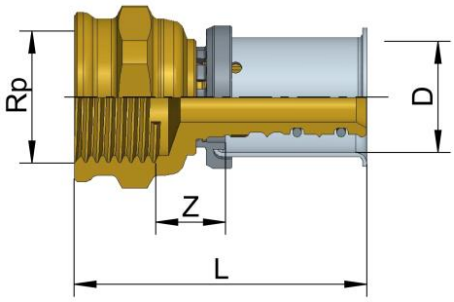
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1135000532	20 x ½“ AG	20	½“ AG	49	13	13	22
1135000533	20 x ¾“ AG	20	¾“ AG	49	13	13	27
1135001272	25 x ¾“ AG	26	¾“ AG	49	12	13	27
1135001273	25 x 1“ AG	26	1“ AG	49	12	13	34
1135001274	32 x 1“ AG	32	1“ AG	52	15	13	34
1135001275	32 x 1 ¼“ AG	32	1 ¼“ AG	55	16	16	42
1135004405	40 x 1 ¼“ AG	40	1 ¼“ AG	67	15	21	44
1135004406	50 x 1 ½“ AG	50	1 ½“ AG	67	15	21	50
1135004407	63 x 2“ AG	63	2“ AG	87	22	23	65

Übergangsmuffe





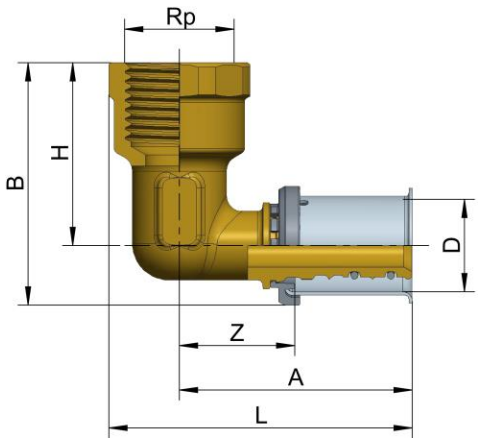
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1135000534	17 x ½“ IG	17	½“ IG	47	10	13	27
1135000535	17 x ¾“ IG	17	¾“ IG	49	11	14	32
1135000536	20 x ½“ IG	20	½“ IG	47	10	13	27
1135000537	20 x ¾“ IG	20	¾“ IG	48	10	14	32
1135001268	25 x ¾“ IG	26	¾“ IG	48	10	14	32
1135001269	25 x 1“ IG	26	1“ IG	53	12	17	40
1135001270	32 x 1“ IG	32	1“ IG	52	11	17	40
1135001271	32 x 1 ¼“ IG	32	1 ¼“ IG	58	15	20	50
1135004401	40 x 1 ¼“ IG	40	1 ¼“ IG	63	11	21	50
1135004402	40 x 1 ½“ IG	40	1 ½“ IG	63	11	21	55
1135004403	50 x 1 ½“ IG	50	1 ½“ IG	63	11	21	55
1135004404	63 x 2“ IG	63	2“ IG	82	13	27	70

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Übergangswinkel IG

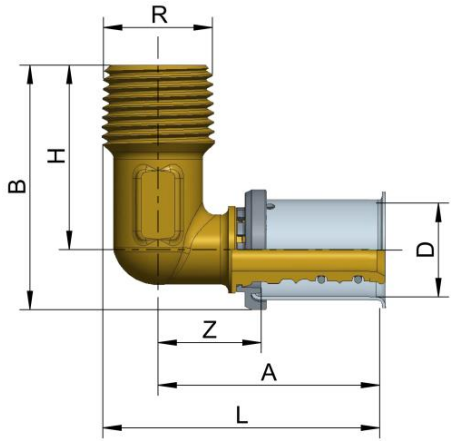




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1135000492	17 x ½“ IG	17	½“ IG	58	47	45	35	19	27
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1135000494	20 x ½“ IG	20	½“ IG	58	48	45	35	19	27
1135000495	20 x ¾“ IG	20	¾“ IG	62	48	47	35	21	32
1135001244	25 x ¾“ IG	25	¾“ IG	67	53	52	37	26	-
1135001245	25 x 1“ IG	25	1“ IG	71	56	52	41	26	-
1135001246	32 x 1“ IG	32	1“ IG	75	63	56	44	30	-
1135001247	32 x 1 ¼“ IG	32	1 ¼“ IG	81	67	56	48	30	-
1135004410	40 x 1 ½“ IG	40	1 ½“ IG	99	74	71	50	36	-
1135004411	50 x 1 ½“ IG	50	1 ½“ IG	99	80	71	50	36	-

Übergangswinkel AG





Mat.-Nr.	Ø Dimension [mm]	D [mm]	R	L [mm]	B [mm]	A [mm]	H [mm]	Z [mm]
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1135000490	20 x ½“ AG	20	½“ AG	56	48	45	35	19

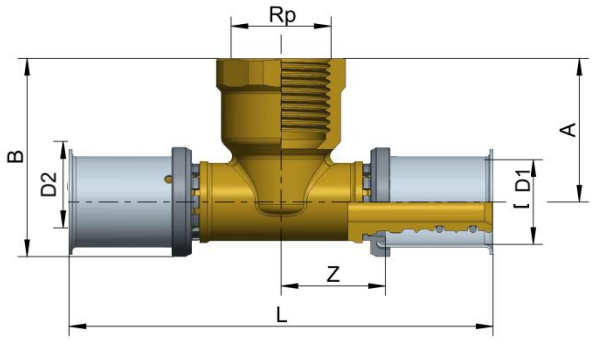
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1135000491	20 x ¾“ AG	20	¾“ AG	60	48	47	35	21
1135001240	25 x ¾“ AG	25	¾“ AG	65	51	52	35	26
1135001241	25 x 1“ AG	25	1“ AG	69	54	52	38	26
1135001242	32 x 1“ AG	32	1“ AG	73	62	56	43	30
1135001243	32 x 1 ¼“ AG	32	1 ¼“ AG	77	67	56	48	30
1135004408	40 x 1 ¼“ AG	40	1 ¼“ AG	92	75	71	51	36
1135004409	50 x 1 ½“ AG	50	1 ½“ AG	95	81	71	51	36

T-Stück mit IG

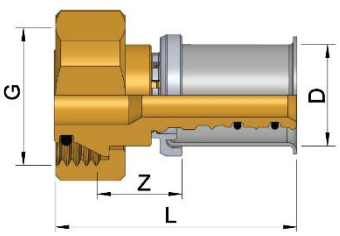




Mat.-Nr.	Ø Dimension [mm]	D1 [mm]	D2 [mm]	Rp	L [mm]	B [mm]	A [mm]	Z [mm]	SW [mm]
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1135001133	17 x ¾“IG x 17	17	17	¾“IG	94	43	32	21	32
1135001132	20 x ½“IG x 20	20	20	½“IG	89	43	30	18	27
1135001134	20 x ¾“IG x 20	20	20	¾“IG	94	43	30	21	32
1115005692	25 x ½“IG x 25	25	25	½“IG	89	47	32	18	27
1135004506	25 x ¾“IG x 25	25	25	¾“IG	94	47	32	21	32
1115005693	32 x ½“IG x 32	32	32	½“IG	93	54	35	20	27
1135004507	32 x ¾“IG x 32	32	32	¾“IG	93	54	35	20	32
1135004421	40 x ¾“IG x 40	40	40	¾“IG	123	62	38	26	-
1135004422	40 x 1“IG x 40	40	40	1“IG	123	69	45	26	-
1135004423	50 x 1“IG x 50	50	50	1“IG	126	72	42	28	-
1135004424	63 x 1“IG x 63	63	63	1“IG	165	90	54	34	-

Pressverschraubung





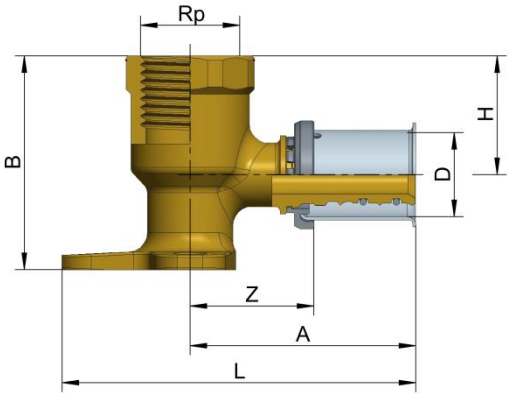
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Mat.-Nr.	Ø Dimension [mm]	D [mm]	G	L [mm]	Z [mm]	SW [mm]
1135001503	14 x G¾“ ÜWM	14	¾“	45	8	30
1135001505	17 x G¾“ ÜWM	17	¾“	45	8	30
1135001506	20 x G¾“ ÜWM	20	¾“	45	8	30

Wandscheibe

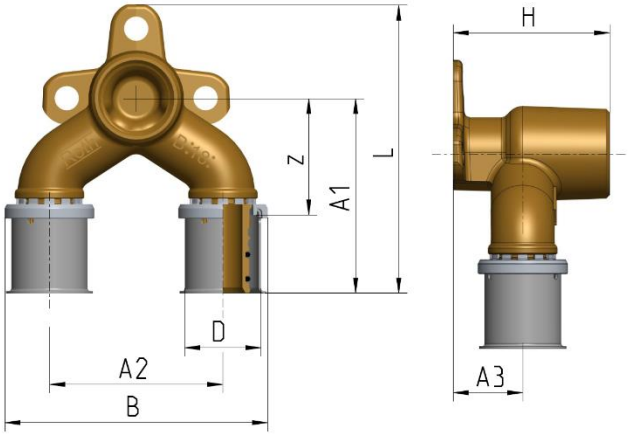




Mat.-Nr.	Ø Dimension [mm]	D [mm]	Rp	L [mm]	B [mm]	A [mm]	H [mm]	Z [mm]	SW [mm]
1135001378	14 x ½“ IG	14	½“ IG	75	45	48	25	21	27
1135000512	17 x ½“ IG	17	½“ IG	75	45	48	25	21	27
1135000513	20 x ½“ IG	20	½“ IG	75	45	48	25	21	27
1135001492	20 x ¾“ IG	20	¾“ IG	76	45	49	25	22	32
1135001230	25 x ¾“ IG	25	¾“ IG	76	45	49	25	22	32

U-Wandscheibe





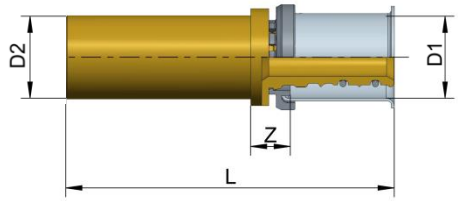
Mat.-Nr.	Ø Dimension [mm]	D1 [mm]	D2 [mm]	Rp	L [mm]	B [mm]	A1 [mm]	A2 [mm]	A3 [mm]	H [mm]	Z [mm]
1135009115	17 x ½“ IG x 17	17	17	½“ IG	85	70	57	50	20	50	35
1135009116	17 x ½“ IG x 20	17	20	½“ IG	85	70	57	50	20	50	35
1135009117	20 x ½“ IG x 17	20	17	½“ IG	85	70	57	50	20	50	35
1135009118	20 x ½“ IG x 20	20	20	½“ IG	85	70	57	50	20	50	35

16. April 2024 · 02 · Technische Änderungen vorbehalten.

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Pressübergang Universal

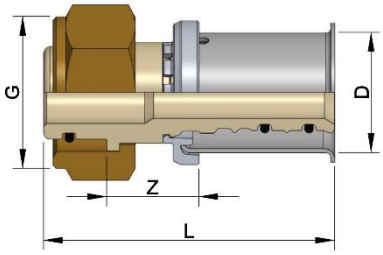




Mat.-Nr.	Ø Dimension [mm]	D1 [mm]	D2 [mm]	L [mm]	Z [mm]
1135006692	14 x Ø 15	14	15	61	5
1135006693	17 x Ø 15	17	15	61	5
1135006694	17 x Ø 18	17	18	71	5
1135006695	20 x Ø 18	20	18	71	5
1135006696	20 x Ø 22	20	22	73	7
1135006697	25 x Ø 22	25	22	72	6
1135006698	32 x Ø 28	32	28	71	5

Übergangsstück auf Geberit MeplaFix

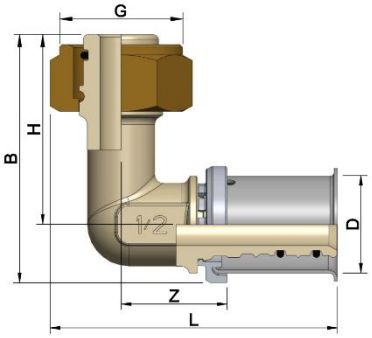




Mat.-Nr.	Ø Dimension [mm]	D [mm]	G	L [mm]	Z [mm]	SW [mm]
1135007223	17 x G½“ ÜWM	17	½“	46	12	24

Übergangsstück auf Geberit MeplaFix





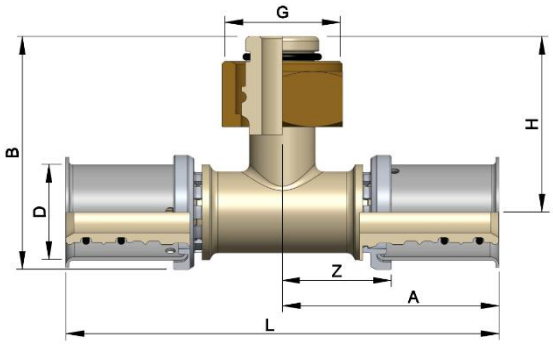
Mat.-Nr.	Ø Dimension [mm]	D [mm]	G	L [mm]	B [mm]	H [mm]	Z [mm]	SW [mm]
1135007224	17 x G½“ ÜWM	17	½“	56	49	37	21	24

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16. April 2024 · 02 · Technische Änderungen vorbehalten.

Übergangsstück auf Geberit MeplaFix

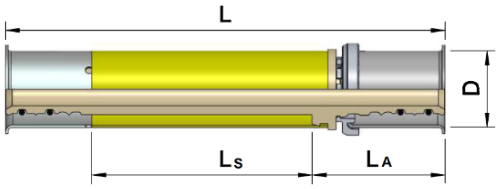




Mat.-Nr.	Ø Dimension [mm]	D [mm]	G	L [mm]	B [mm]	A [mm]	H [mm]	Z [mm]	SW [mm]
1135007225	17 x G½“ ÜWM	17	½“	87	47	44	35	22	24

Reparaturfitting

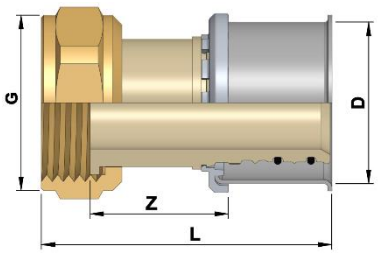




Mat.-Nr.	Ø Dimension [mm]	D [mm]	L [mm]	L_S [mm]	L_A [mm]
1135006638	*17*	*17*	*110*	*58*	*33*
1135006639	20	20	110	58	33
1135006640	25	26	110	58	33
1135006731	32	32	110	58	33
1135006360	*40*	*40*	*151*	*79*	*46*
1135006361	*50*	*50*	*151*	*79*	*46*
1135006362	*63*	*63*	*190*	*99*	*57*

Anschlussverschraubung (flachdichtend)





Mat.-Nr.	Ø Dimension [mm]	D [mm]	G	L [mm]	Z [mm]	SW [mm]
1135000517	17 x G½“ ÜWM	14	½“	37	13	24
1135000518	17 x G¾“ ÜWM	17	¾“	37	13	30

16. April 2024 · 02 · Technische Änderungen vorbehalten.

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1135000519	20 x G¾“ ÜWM	20	¾“	37	13	30
1135000520	20 x G1“ ÜWM	20	1“	42	18	37
1115006163	25 x G¾“ ÜWM	26	¾“	37	13	30
1135001276	25 x G1“ ÜWM	26	1“	41	17	37
1135009240	32 x G¾“ ÜWM	32	¾“	42	17	30
1135009241	32 x G1“ ÜWM	32	1“	51	24	37
1135001277	32 x G1¼“ ÜWM	32	1¼“	41	17	46
1135004412	40 x G1½“ ÜWM	40	1½“	56	25	52

Technische Daten

Einsatzbereich	Trinkwasser-Installationen Heizungs-Installationen
Werkstoff	Grundkörper: entzinkungsbeständiger Sondermessing Presshülse: austenitischer Chrom-Nickel Stahl Dichtelemente: EPDM
Farbe	messing
Baustoffklasse	A1 nach DIN 4102 A 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
Prüf- und Zertifizierungsgrundlagen	DVGW W 542 DVGW W 534 DVGW W 270 UBA BWGL-Metalle UBA KTW-BWGL UBA Elastom 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.

16. April 2024 · 02 · Technische Änderungen vorbehalten.

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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

Österreichische Vereinigung für das Gas- und Wasserfach
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ÖVGW GEPRÜFT

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für Digitalisierung und Wirtschaftsstandort

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

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

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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"

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

CERTIFICATE

Product certificate
K67757/02

Issued *2019-10-15*

Replaces *K67757/01*

Fittings for Roth Werke Systems

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 13-03-2018

Ronald Karel
Kiwa

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

286180711

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

Fittings for the Roth Werke Systems

PRODUCT SPECIFICATION

The products mentioned below belong to this product certificate

Press fitting with female end

1135004362	Ø14 x 1/2"IG
1135004363	Ø16 x 1/2"IG
1135004364	Ø16x 3/4"IG
1135004381	Ø16 x 3/8"IG
1135000517	Ø17 x 1/2"IG
1135000518	Ø17 x 3/4"IG
1135000520	Ø20 x 1" IG
1135000519	Ø20 x 3/4"IG
1135001276	Ø25 x 1"IG
1115006163	Ø25 x 3/4"IG
1135001277	Ø32 x 1 1/4"IG
1135004412	Ø40 x 1 1/2" IG
1135004413	Ø40 x 1 3/4"IG
1135004414	Ø50 x 1 1/2"IG
1135004415	Ø50 x 1 3/4"IG
1135004416	Ø50 x 2"IG
1135004417	Ø63 x 2 3/8"IG
1135001489	Ø14 x 1/2"IG (3/4"AG)
1135001392	Ø17 x 1/2"IG (3/4"AG)
1135001393	Ø20 x 1/2"IG (3/4"AG)
1115006153	Ø17 x 1/2"IG (3/4"AG)

Transition fittings with female thread

1115006700	Ø14 x 1/2"IG
1135004342	Ø16 x 1/2"IG
1135004343	Ø16 x 3/4"IG
1135000534	Ø17 x 1/2"IG
1135000535	Ø17 x 3/4"IG
1135000536	Ø20 x 1/2"IG
1135000537	Ø20 x 3/4"IG
1135001269	Ø25 x 1"IG
1135001268	Ø25 x 3/4"IG
1135001271	Ø32 x 1 1/4"IG
1135001270	Ø32 x 1"IG
1135004402	Ø40 - 11/2"IG
1135004401	Ø40 - 11/4"IG
1135004403	Ø50 - 11/2"IG
1135004404	Ø63 - 2"IG

Straight couplers

1135004728	14mm x 14mm
1135004729	16mm x 16mm
1135004730	17mm x 17mm
1135004731	20mm x 20mm
1135004392	40mm x 25mm
1135004395	50mm x 32mm
1135004396	63mm x 40mm
1135004397	63mm x 50mm
1135004391	63mm x 63mm

Tee

1135004393	50mm x 20mm x 50mm
1135004384	50mm x 25mm x 50mm
1135004385	50mm x 32mm x 50mm
1135004394	63mm x 25mm x 63mm
1135004386	63mm x 32mm x 63mm
1135004389	40mm x 32mm x 32mm
1135004387	63mm x 40mm x 63mm
1135004390	63mm x 50mm x 50mm
1135004388	63mm x 50mm x 63mm
1135004383	63mm x 63mm x 63mm

Couplers

1135001503	14 mm
1115006832	16 mm
1135001505	17 mm
1135001506	20 mm

Reduced Tee – female thread

1135001131	Ø17 x 1/2" x 17mm
1135001133	Ø17 x 3/4" x 17mm
1135001132	Ø20 x 1/2" x 20mm
1135001134	Ø20 x 3/4" x 20mm
1115005692	Ø25 x 1/2" x 25mm
1135004506	Ø25 x 3/4" x 25mm
1115005693	Ø32 x 1/2" x 32mm
1135004507	Ø32 x 3/4" x 32mm
1135004422	Ø40 x 1" x 40mm
1135004421	Ø40 x 3/4" x 40mm
1135004423	Ø50 x 1"- 50mm
1135004424	Ø63 x 1" x 63mm
1115006672	Ø16 x 1/2" x 16mm

Fittings for the Roth Werke Systems

Transition fittings with female thread

1135001383	Ø14x1/2"AG
1135001384	Ø14 x 3/4"AG
1135004348	Ø16 x 1/2"AG
1135004349	Ø16 x 3/4"AG
1135004782	Ø16 x 3/8"AG
1135000530	Ø17 x 1/2"AG
1135000531	Ø17 x 3/4"AG
1135000532	Ø20 x 1/2"AG
1135000533	Ø20 x 3/4"AG
1135001273	Ø25 x 1"AG
1135001272	Ø25 x 3/4"AG
1135001275	Ø32 x 1 1/4"AG
1135001274	Ø32 x 1"AG
1135004405	Ø40 x 1 1/4"AG
1135004406	Ø50 x 1 1/2"AG
1135004407	Ø63 x 2"AG

Elbow female thread

1135000494	Ø20 x 1/2"IG
1135000495	Ø20 x 3/4"IG
1135001245	Ø25 x 1"IG
1135001244	Ø25 x 3/4"IG
1135001247	Ø32 x 1 1/4"IG
1135001246	Ø32 x 1"IG
1135004410	Ø40 x 1 1/2"IG
1135004411	Ø50 x 1 1/2"IG
1135004356	Ø16 x 1/2"IG
1135000492	Ø17 x 1/2"IG
1135000493	Ø17 x 3/4"IG

Elbow straight 45°

1135004399	50mm x 50mm
1135004400	63mm x 63mm

Elbow male thread

1135001491	Ø14 x 1/2"AG
1135004354	Ø16 x 1/2"AG
1135000488	Ø17 x 1/2"AG
1135000489	Ø17 x 3/4"AG
1135000490	Ø20 x 1/2"AG
1135000491	Ø20 x 3/4"AG
1135001241	Ø25 x 1"AG
1135001240	Ø25 x 3/4"AG
1135001243	Ø32 x 1 1/4"AG
1135001242	Ø32 x 1"AG
1135004408	Ø40 x 1 1/4"AG
1135004409	Ø50 x 1 1/2"AG

Wall plate

1135004534	Ø17 x 1/2"IG x 17 (new 2012)
1135004535	Ø20 x 1/2"IG x 20 (new 2012)
1135001378	Ø14 x 1/2"IG
1135004359	Ø16 x 1/2"IG
1135000512	Ø17 x 1/2"IG
1135000513	Ø20 x 1/2"IG
1135001492	Ø20 x 3/4"IG
1135001230	Ø25 x 3/4"IG

Elbow straight 90°

1135004398	63mm x 63mm

Fittings for the Roth Werke Systems

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 Kiwa®-mark products are marked with the word mark "KK" (if not possible, then "KIWA" to be provided only on the smallest packaging – only with permission from Kiwa).

Place of the mark:

- on the fitting.

Compulsory specifications:

- manufacturer's name, trade name or logo, on the fitting;
- nominal outside diameter in mm of the connecting pipe, on the fitting;
- production code, on the fitting.

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

- the word mark "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 in mm of the connecting pipe.

Method of marking:

- non-erasable;
- visible after assembly.

APPLICATION AND USE

The fittings are designed to be used in pipe systems for cold and hot drinking water, with discontinuous pressures up to 800 kPa or 1000 kPa, under the conditions mentioned in table 1 of the Kiwa guideline. For the application and making of connections, the guidelines of the products have to be followed.
In addition to this, only pipes of PE-X/Al or PE/AL pipes mentioned in the Kiwa system certificate K43966 for the Roth Werke System shall be used.

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 and transport methods.

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.