

HAELOK®



2505

GENERAL CATALOGUE

**OUR INVENTION.
THE ORIGINAL.**

HAELOK®



OUR INVENTION. THE ORIGINAL.

HAELOK® is the leading purely metallic sealing press connection system suitable for any application

- Fittings in stainless steel or steel
- The time-saving and process-secure alternative to welding
- No additional sealing required
- Pipe outer diameter from 6.35 - 114.3 mm
- For Pipes DN 6 - DN 100
- For exceptionally high pressures and temperatures

HAELOK®

A strong brand that stands for:

**INNOVATION. SUSTAINABILITY. PRECISION.
SWISSNESS. DESIGN. QUALITY.**

GENERAL CATALOGUE

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HAELOK® – DEVELOPER. INNOVATOR. TRENDSETTER.



HAELOK® THE SYSTEM.

HAELOK® is not an ordinary fitting for a pipe connection. It is rather a combination of an innovative product, the corresponding tool, the service, the name, the quality and the simplicity of the application and the economic benefit.

It's a system.

HAELOK® is the leading metal-to-metal press connection system for the application areas industry, energy technology, district heating and technical oils and gases.

The high-performance press fittings are developed for exceptionally high pressures and temperatures as well as fast and safe press connection without the use of sealing elements and welding.

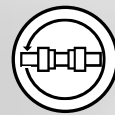
The specially developed pressing tools always provide the same quality of each individual press joint in existing or new plants. A perfect connection in a few seconds.

HAELOK®
DEVELOPER. INNOVATOR. TRENDSETTER.



www.haelok.com





ALWAYS CONNECTED

Access products, orders and stock at any time and anywhere.



EVERYTHING FROM A SINGLE SOURCE

Controlled production with central storage - ready for fast shipping.



EVERYTHING WORLDWIDE

Worldwide dispatch via our own HAELOK® warehouse in Southern Germany.

HAELOK® - OUR INVENTION. THE ORIGINAL.

OUR PRODUCT PORTFOLIO



Straight fitting



Repair fitting



Reducer



End cap



Internal fitting thread



External fitting thread



Elbow 90°



Union tee



Flange



Bent pipe



DKO 24°
with O-ring



Distributor

All our products are available in carbon steel (CC) 1.0570 (AISI 1024) and stainless steel (XX) 1.4404 (AISI 316L).

OUR STRENGTH. YOUR ADVANTAGE.



Nominal pressure up to 600 bar



Reliable from -20 °C to +400 °C
(-196 °C for XX)



Resistant to vibration and fire



Suitable for seamless and welded pipes



Vacuum-tight



Weather-resistant



Tamper-proof



Durable in the long term



Available from stock

CERTIFIED & VERIFIED



Further information on pages 12-13.



HAELOK AG, Warehouse in Weil am Rhein (Germany)

HAELOK AG, Warehouse in Weil am Rhein (Germany)



HAELOK AG, Headquarters in Schlieren (Switzerland)





HAELOK AG, Headquarters in Schlieren (Switzerland)

HAELOK® AN INNOVATIVE COMPANY. A STRONG BRAND.

The HAELOK® Group is a global leader in non-welded pipe connections without elastomer seals. We develop and manufacture all products in Europe and market them under the established HAELOK® brand.

Our products are distributed centrally from Switzerland and offered worldwide through an international network of partners. Customers from diverse industries, such as mechanical engineering, transport, shipbuilding, district heating, cooling and air conditioning technology, as well as fire protection, value the quality and innovation of our solutions.

Research and development are at the heart of HAELOK®. An experienced team continuously works on advancing high-performance press fittings and pressing tools, ensuring our market leadership.

Our efficient logistics system guarantees fast delivery and our close supply chain management ensures that we are always ready to provide expert service.

Our extended service offering includes training sessions and certification handovers for first-time applications, ensuring that your installation team is optimally prepared.

Dear Customers, Partners, and Interested Readers,

As the new CEO of HAELOK AG, it is my great pleasure to present to you our new product catalogue – a reflection of our ongoing progress and development. With fresh energy and a clear vision, we are leading HAELOK® into a future shaped by innovation and strong partnerships.

Our goal remains unchanged: to offer you solutions that stand out by their simplicity, premium quality and sustainable value. HAELOK® products are ready to meet the challenges of tomorrow – and we are equally ready to tackle them together with you.

With a firm focus on technological excellence and innovation, we are committed to continuously improving existing solutions and equipping you with even more effective tools for your projects. Your collaboration as our valued partners and customers continually inspires us to take bold steps forward.

I look forward to shaping the future of HAELOK® together with you and further strengthening our capacity for innovation.

*I am excited about the journey ahead and about advancing HAELOK® in partnership with you.
Best regards, William Cabrera, CEO, HAELOK AG*





HAELOK® OUR SYSTEM IS FULL OF VALUES.

SWISSNESS



The HAELOK® system is authentic, thorough, unique. As creative as it is original in its functionality, its ease of use and its high quality standards, it is absolutely outstanding.

QUALITY & PRECISION



Every HAELOK® fitting is a quality product, which is manufactured with the highest standards of precision, functionality and user comfort.

INNOVATION



HAELOK® regularly launches new product lines, which are characterised by further developments in addition to functionality.

DESIGN



HAELOK®'s clear design is unique and internationally recognised and protected.

SUSTAINABILITY



The HAELOK® system consists of high-quality steel and can be remelted and reprocessed at any time.

HAELOK® OUR PROMISE. YOUR SAFETY.



HAELOK®

PRODUCT LINES & APPLICATION AREAS



HAELOK® has developed its own product line for the district heating market. HAELOK® THERMO® is successfully used in the district heating of public utilities and companies.

DISTRICT HEATING

Product line: **THERMO**
Application area: District heating
Product line no: 12
Example product code: HLK-**12**EC-13-CC
Material product line: C-steel (CC) 1.0570 (AISI 1024) galvanized



From machines to industrial or petrochemical plants, the HAELOK® system is successfully used worldwide in all variants.

MECHANICAL & PLANT ENGINEERING

Product line: **TECH**
Application area: Mechanical & plant engineering
Product line no: 10
Example product code: HLK-**10**EC-13-CC
Material product line: C-steel (CC) 1.0570 (AISI 1024) galvanized or stainless steel (XX) 1.4404 (AISI 316L)



In high-rise buildings all over the world or in huge cruise ship, the HAELOK® system is used in fire extinguishing technology at high pressures.

FIREFIGHTING TECHNOLOGY

Product line: **PROTECT**
Application area: Firefighting equipment
Product line no: 10
Example product code: HLK-**10**EC-13-XX
Material product line: stainless steel (XX) 1.4404 (AISI 316L)



Thousands of kilometres of gas and oil pipelines have been safely and quickly connected to the HAELOK® system. Permanently, without welding and without the use of seals.

OIL & GAS

Product line: **ENERGY**
Application area: Oil & Gas
Product line no: 10
Example product code: HLK-10EC-13-CC
Material product line: C-steel (CC) 1.0570 (AISI 1024)
galvanized or
stainless steel (XX) 1.4404 (AISI 316L)



Specifically optimised for ammonia, nitrogen, and other refrigerants, the HAELOK® system is deployed wherever vibrations and pressure impulses demand the highest level of safety.

HEATING AND COOLING TECHNOLOGY

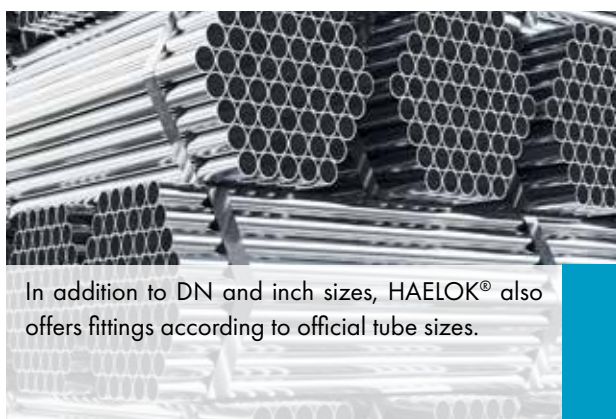
Product line: **CLIMATE**
Application area: Heating and cooling technology
Product line no: 10
Example product code: HLK-10EC-13-CC
Material product line: C-steel (CC) 1.0570 (AISI 1024)
galvanized or
stainless Steel (XX) 1.4404 (AISI 316L)



Whether in trains, buses or other large transport systems, the HAELOK® system is utilised and installed worldwide.

TRANSPORT TECHNOLOGY

Product line: **TRANS**
Application area: Transport technology
Product line no: 10
Example product code: HLK-10EC-13-CC
Material product line: C-steel (CC) 1.0570 (AISI 1024)
galvanized or stainless steel (XX)
1.4404 (AISI 316L)



In addition to DN and inch sizes, HAELOK® also offers fittings according to official tube sizes.

ESPECIALLY FOR TUBE-SIZES

Product line: **TUBE**
Application area: Especially for Tube-Sizes
Product line no: 21
Example product code: HLK-21SF-T1-XX
Material product line: stainless steel (XX) 1.4404 (AISI 316L)

HAELOK® CERTIFICATES AND INTERNATIONAL TESTING STANDARDS.

In addition to ISO 9001 certification, HAELOK® also holds numerous application-specific certifications and international testing standards.

Certification tests include leakage, pull-out forces, burst pressures, combined pressure pulse and vibration cycles, vacuum and fire resistance.



AGFW

The AGFW (Energy Efficiency Association for Heating, Cooling and Cogeneration) as a professional association defines the rules for certifying pipeline construction and socket assembly work. This framework is crucial for district heating applications.



ASME

ASME is a non-profit membership organisation that facilitates collaboration, knowledge sharing, career advancement and skills development in all technical disciplines.



BUREAU VERITAS

Bureau Veritas ensures a high level of quality, safety, environmental protection and social responsibility of certified companies through inspection and certification.



DNV-GL

DNV-GL is an international classification society and expert in technical consultancy, engineering services, certification and risk management.



DGRL (PED)

The PED guidelines apply to the design, manufacture and conformity assessment of pressure equipment and assemblies of pressure equipment with a maximum allowable pressure of more than 0.5 bar above atmospheric pressure.



DVGW

The DVGW (German Association for Gas and Water) is responsible for the development of technical rules, quality standards and the certification of products and services in the gas and water supply industry. Important for the hydrogen compatibility of the products.



EMPA

Empa is the Research Institute of Materials Science and Technology. As a bridge between research and practical application, it develops solutions for the primary challenges facing industry.



DISTRICT HEATING RESEARCH INSTITUTE

The FFI is an accredited test laboratory, which provides support in tests, simulations and quality monitoring, thus ensuring consistent quality.



IACS

The IACS makes a unique contribution to maritime safety and regulation through technical assistance, conformity assessment, research and development.



ISO 9001/2015

ISO 9001 is a globally recognised standard and sets minimum requirements to ensure that products and services are provided that meet customer expectations and any regulatory requirements.



TÜV SÜD

TÜV SÜD is one of the leading independent bodies for product certification worldwide. The certification offers visible proof that a product meets all relevant safety and quality requirements and has the required product features.



DVGW/H2 READY

The H2-Ready test certificate from the DVGW Energy Testing Laboratory (DVGW) enables, among other things, fittings tested for gas-tightness with H2 (gaseous hydrogen, vol. 100%) to be used on installed gas pipes for hydrogen.

* Certificates subject to change due to expiration; please enquire for most current status.



www.haelok.com/en/certificates/

HAELOK®

TECHNICAL DATA – STEEL (CC).

PIPES

Approved pipe tolerances and corresponding standards

Inch pipe outside diameter

DN	Size	Nominal outer ø according to standard		Permissible wall thickness HLK-10 (Standard)		Permissible wall thickness HLK-12 (THERMO®)	
		OD1 _{nom}	OD2 _{nom}	s _{min}	s _{max}	s _{min}	s _{max}
8	¼"	13,50	13,72	1,60	2,30	1,60	2,30
10	⅜"	17,20	17,15	1,60	2,80	1,60	2,60
15	½"	21,30	21,26	1,60	2,80	1,60	2,60
20	¾"	26,90	26,67	2,10	3,90	2,00	2,90
25	1"	33,70	33,41	2,30	4,60	2,00	3,20
32	1 1/4"	42,40	42,16	2,60	5,10	2,30	3,60
40	1 1/2"	48,30	48,26	2,60	5,10	2,30	3,60
50	2"	60,30	60,33	2,60	5,10	2,30	3,60
65	2 1/2"	76,10	76,10	2,30	5,00	2,30	4,00
80	3"	88,90	88,90	2,30	5,60	2,30	4,50
100	4"	114,30	114,30	2,60	5,60	2,60	4,50

MATCHING PIPE SPECIFICATIONS STEEL (CC)

OD1 EN 10305, EN 10220, EN 10255
OD2 ASTM A213 (Schedule 10/40)

MATCHING PIPE SPECIFICATIONS THERMO® STEEL (CC)

OD1 EN 253, EN10217-1, EN10217-2
EN 10216-1, EN 10216-2

CONFORM TO

ASME B31.1 & B31.3 & FFI

Should you wish to use other pipes with our system contact our sales department (sales@haelok.com).

Applicable pipes

HAELOK® fittings are usable with carbon steel pipes and primed carbon steel pipes. Seamless or welded.

The pipe surface must be clean and free of grooves, stamped markings or deep scratches. (Scratches deeper than 0.1 mm are not permitted.)

The surface must be ground to a metallic bare finish.

The coarsest permissible grit is 120.

Loose rolling skin, scale and rust must be removed. Hot-rolled tubes or tubes with scaly surfaces are not permitted.

Pipe hardness: maximum values of 90 (Rockwell B) are permissible.

PRESSURE & TEMPERATURE

Applications and burst pressure testing of our fittings

Inch tube outside diameter

DN	Size	OD _{nom}	PN (nominal pressure) Safety factor 2	s (wall thickness)	Burst pressure test
8	¼"	13,5	600 bar	1,8	1137 bar
10	⅜"	17,2	400 bar	1,8	800 bar
15	½"	21,3	400 bar	2,0	800 bar
20	¾"	26,9	400 bar	2,3	800 bar
25	1"	33,7	400 bar	2,6	800 bar
32	1 ¼"	42,4	300 bar	2,6	600 bar
40	1 ½"	48,3	300 bar	2,6	600 bar
50	2"	60,3	300 bar	2,6	600 bar
65	2 ½"	76,1	125 bar	3,2	250 bar
80	3"	88,9	125 bar	3,2	250 bar
100	4"	114,3	125 bar	3,6	250 bar

Temperature ranges

Temperature range is from -20 °C to +300°C, depending on the material used.

At raised temperatures the maximum working pressure must be reduced by the value according to the table:

Temp °C	C-Steel (CC)
50	0%
100	10%
150	21%
200	31%
250	37%
300	45%

Flow coefficients are available on request.

HAELOK®

TECHNICAL DATA STAINLESS – STEEL (XX).

PIPES & TEMPERATURE

Approved pipe tolerances and corresponding standards

Inch pipe outside diameter

DN	Size	Nominal outer-ø according to standard		Permissible wall thickness	
		OD1 _{nom}	OD2 _{nom}	s _{min}	s _{max}
8	¼"	13,50	13,72	1,60	2,30
10	⅜"	17,20	17,15	1,60	2,77
15	½"	21,30	21,26	1,60	2,77
20	¾"	26,90	26,67	2,11	3,91
25	1"	33,70	33,41	2,60	4,55
32	1 ¼"	42,40	42,16	2,60	5,08
40	1 ½"	48,30	48,26	2,60	5,08
50	2"	60,30	60,33	2,60	5,54
65	2 ½"	76,10	73,03	2,30	5,00
80	3"	88,90	88,90	2,30	5,54
100	4"	114,30	114,30	2,60	5,54

Metric tube outside diameter

d	Nominal outer-ø according to standard		Permissible wall thickness	
	OD1 _{nom}	& OD2 _{nom}	s _{min}	s _{max}
10	10		1,0	2
12	12		1,50	2
15	15		1,50	3
16	16		1,50	3
18	18		1,50	3
20	20		1,50	3
22	22		1,50	3
25	25		1,50	3
28	28		1,50	3
30	30		1,50	3
35	35		2,00	3
38	38		2,00	4
42	42		2,00	4

MATCHING PIPE SPECIFICATIONS – STAINLESS STEEL (XX)

Tolerances D3 and T3

OD1 EN 10217-7, EN 10216-5, EN ISO 1127
OD2 ASTM A268, A269

Should you wish to use other pipes with our system contact our sales department (sales@haelok.com).

Applicable tubes

HAELOK® fittings are usable with stainless steel pipes. Seamless or welded.

The pipe surface must be clean and free of grooves, stamped markings or deep scratches. (Scratches deeper than 0.1 mm are not permitted.)

The surface must be ground to a metallic bare finish.

The coarsest permissible grit is 120.

Loose rolling skin, scale and rust must be removed.

Hot-rolled tubes or tubes with scaly surfaces are not permitted.

Pipe hardness: maximum values of 90 (Rockwell B) are permissible.

Temperature range is from -190 °C to +400 °C, depending on the material used.

At raised temperatures the maximum working pressure must be reduced according to the table.

Temperature ranges

Temp °C	Stainless steel (XX)
50	4%
100	12%
150	15%
200	20%
250	25%
300	30%
350	33%
400	35%

Flow coefficients are available on request.

PRESSURE

Applications and burst pressure testing of our fittings

Inch tube outside diameter

DN	Size	OD	PN (nominal pressure) Safety factor 2	PN (IACS) Safety factor 4	s (wall thickness)	Burst pressure test
8	¼"	13,5	600 bar	300 bar	1,8	1137 bar
10	⅜"	17,2	400 bar	200 bar	1,8	800 bar
15	½"	21,3	400 bar	200 bar	2,0	800 bar
20	¾"	26,9	400 bar	200 bar	2,3	800 bar
25	1"	33,7	400 bar	200 bar	2,6	800 bar
32	1 ¼"	42,4	300 bar	150 bar	2,6	600 bar
40	1 ½"	48,3	300 bar	150 bar	2,6	600 bar
50	2"	60,3	300 bar	150 bar	2,6	600 bar
65	2 ½"	76,1	125 bar	n,a,	3,2	250 bar
80	3"	88,9	125 bar	n,a,	3,2	250 bar
100	4"	114,3	125 bar	n,a,	3,6	250 bar

Metric tube outside diameter

Size	OD	PN (nominal pressure) Safety factor 2	PN (IACS) Safety factor 4	s (wall thickness)	Burst pressure test
10	10	600 bar	300 bar	1,5	1137 bar
12	12	600 bar	300 bar	1,5	1137 bar
15	15	400 bar	200 bar	1,5	800 bar
16	16	400 bar	200 bar	1,5	800 bar
18	18	400 bar	200 bar	1,5	800 bar
20	20	400 bar	200 bar	2	800 bar
22	22	400 bar	200 bar	2	800 bar
25	25	400 bar	200 bar	2,5	800 bar
28	28	400 bar	200 bar	2,5	800 bar
30	30	400 bar	200 bar	3	800 bar
35	35	300 bar	150 bar	3	600 bar
38	38	300 bar	150 bar	3	600 bar
42	42	300 bar	150 bar	3	600 bar



HAELOK® PRODUCT PORTFOLIO. MATERIAL: STEEL (CC).

The HAELOK® product portfolio includes a wide range of high-performance press fittings available in over 250 variants and sizes. This unique pipe connection system, which does not require welding or elastomeric seals, guarantees a hermetic seal for pipe outer diameters from 13.5 - 114.3 mm (pipes DN 8 - DN 100).

HAELOK® fittings made of steel are manufactured from high-quality steel 1.0570 (AISI 1024) and are galvanized to ensure high resistance to corrosion and wear. This system is specifically designed for applications exposed to strong vibrations, high pressures and extreme temperatures.

Thanks to its robust design, the HAELOK® steel system is suitable for nearly all industrial applications. It provides flexible solutions for various pipe diameters, materials, pressure and temperature ranges, as well as for a variety of fluids and gases.

HAELOK®. THE ORIGINAL.

Material: Steel CC:

Enclosure: C-Steel (CC) 1.0570 (AISI 1024) galvanized

Press ring: C-Steel (CC) 1.0570 (AISI 1024) galvanized

HAELOK®

Straight Fitting HLK-10SF



The HAELOK® fitting type „SF“ (Straight Fitting) is used for a straight connection of two pipes.
The fitting consists of a total of three permanently mounted components: a base body and two press rings.

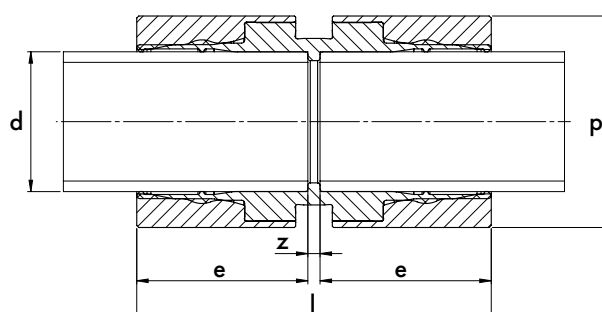


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe outer diameter from 13.5 - 114.3 mm (DN 8 - DN 100)
- Certified acc. to DNV, Bureau Veritas, DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 14/15



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	z	Weight (g)	PU (pcs.)
HLK-10SF-13-CC	1/4"	8	22	37	17	3	55	20
HLK-10SF-17-CC	3/8"	10	29	52	25	2	160	20
HLK-10SF-20-CC	20		32	52	25	2	178	20
HLK-10SF-21-CC	1/2"	15	34	52	25	2	187	20
HLK-10SF-25-CC	25		37	52	25	2	210	20
HLK-10SF-26-CC	3/4"	20	39	52	25	2	223	20
HLK-10SF-28-CC	28		40	52	25	2	230	20
HLK-10SF-33-CC	1"	25	52	87	42	3	770	20
HLK-10SF-42-CC	1 1/4"	32	61	87	42	3	941	10
HLK-10SF-48-CC	1 1/2"	40	68	87	42	3	1108	10
HLK-10SF-60-CC	2"	50	81	87	42	3	1445	10
HLK-10SF-76-CC	2 1/2"	65	103	155	75	5	4060	2
HLK-10SF-88-CC	3"	80	120	155	75	5	5560	2
HLK-10SF-114-CC	4"	100	154	155	75	5	9090	2

All figures in mm; others are specifically marked.
Subject to misprints and technical changes.

Status of Product Information: 2025-05
For the most current version and additional details, please visit our website

www.haelok.com

HAELOK®

Repair Fitting HLK-10SR

The HAELOK® fitting type „SR“ (Straight Repair) is used for a straight connection of two pipes. Due to the lack of a stop, the fitting can be moved over the whole pipe for repairs. The fitting consists of a total of three permanently mounted components: a base body and two press rings.

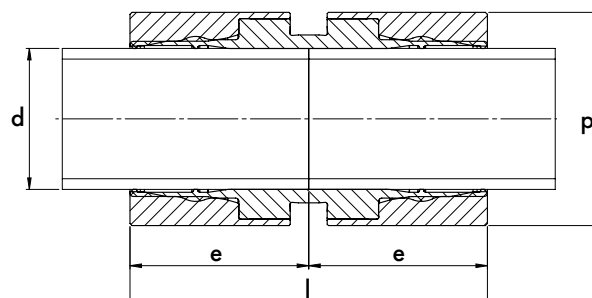


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe outer diameter from 13.5 - 114.3 mm (DN 8 - DN 100)
- Certified acc. to DNV, Bureau Veritas, DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 14/15



C-STEEL (CC) + GALVANIZED (INCH)

Article No.	d	DN	p	l	e	Weight (g)	PU (pcs.)
HLK-10SR-13-CC	¼"	8	22	37	18,5	55	20
HLK-10SR-17-CC	⅜"	10	29	52	26	160	20
HLK-10SR-20-CC	20		32	52	26	176	20
HLK-10SR-21-CC	½"	15	34	52	26	187	20
HLK-10SR-25-CC	25		37	52	26	208	20
HLK-10SR-26-CC	¾"	20	39	52	26	223	20
HLK-10SR-28-CC	28		40	52	26	228	20
HLK-10SR-33-CC	1"	25	52	87	43,5	770	20
HLK-10SR-42-CC	1 ¼"	32	61	87	43,5	941	10
HLK-10SR-48-CC	1 ½"	40	68	87	43,5	1108	10
HLK-10SR-60-CC	2"	50	81	87	43,5	1445	10
HLK-10SR-76-CC	2 ½"	65	103	155	77,5	4060	2
HLK-10SR-88-CC	3"	80	120	155	77,5	5560	2
HLK-10SR-114-CC	4"	100	154	155	77,5	9090	2

All figures in mm; others are specifically marked.
Subject to misprints and technical changes.

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Status of Product Information: 2025-05
For the most current version and additional details, please visit our website: www.haelok.com

HAELOK®

Reducer HLK-10RE

The HAELOK® fitting type „RE“ (Reducer) is used for a straight connection of two pipes with different diameters. The fitting consists of a total of three permanently mounted components: a base body and two press rings of different sizes.

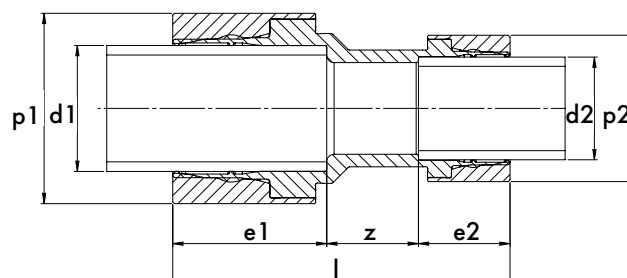


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to
- EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe outer diameter from 13.5 - 60.3 mm (DN 8 - DN 50)
- Certified acc. to DNV, Bureau Veritas, DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 14/15



C-STEEL (CC) + GALVANIZED (INCH)

All reductions can be manufactured on request.

Article No.	d1	DN1	p1	e1	d2	DN2	p2	e2	l	z	Weight (g)	PU (pcs.)
HLK-10RE-17-13-CC	3/8"	10	29	25	1/4"	8	22	17	52	10	117	5
HLK-10RE-21-17-CC	1/2"	15	34	25	3/8"	10	29	25	58	8	183	5
HLK-10RE-26-17-CC	3/4"	20	39	25	1/4"	8	29	25	58	8	205	5
HLK-10RE-26-21-CC	3/4"	20	39	25	1/2"	15	34	25	58	8	220	5
HLK-10RE-33-21-CC	1"	25	52	42	1/2"	15	34	25	92	25	534	5
HLK-10RE-33-26-CC	1"	25	52	42	3/4"	20	39	25	92	25	564	5
HLK-10RE-42-21-CC	1 1/4"	32	61	42	1/2"	15	34	25	92	25	650	5
HLK-10RE-42-26-CC	1 1/4"	32	61	42	3/4"	20	39	25	92	25	667	5
HLK-10RE-42-33-CC	1 1/4"	32	61	42	1"	25	52	42	100	16	933	5
HLK-10RE-48-26-CC	1 1/2"	40	68	42	3/4"	20	39	25	102	35	780	5
HLK-10RE-48-33-CC	1 1/2"	40	68	42	1"	25	52	42	100	16	1036	5
HLK-10RE-48-42-CC	1 1/2"	40	68	42	1 1/4"	32	61	42	100	16	1107	5
HLK-10RE-60-33-CC	2"	50	81	42	1"	25	52	42	100	16	1243	5
HLK-10RE-60-42-CC	2"	50	81	42	1 1/4"	32	61	42	100	16	1304	5
HLK-10RE-60-48-CC	2"	50	81	42	1 1/2"	40	68	42	100	16	1385	5

All figures in mm; others are specifically marked.
Subject to misprints and technical changes.

Status of Product Information: 2025-05
For the most current version and additional details, please visit our website

www.haelok.com

HAELOK®

End Cap HLK-10EC

The HAELOK® fitting type „EC“ (End Cap) is used as a pipe closure.
The fitting consists of a total of two permanently mounted components: a base body and a press ring.

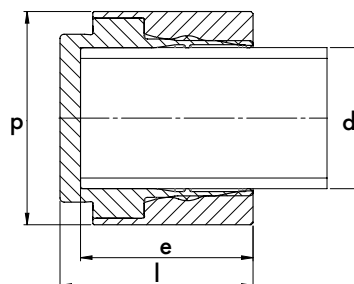


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to
- EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe outer diameter from 13.5 - 114.3 mm (DN 8 - DN 100)
- Certified acc. to DNV, Bureau Veritas, DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 14/15



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	Weight (g)	PU (pcs.)
HLK-10EC-13-CC	¼"	8	22	22	17	35	5
HLK-10EC-17-CC	⅜"	10	29	30	25	89	5
HLK-10EC-20-CC	20		32	30	25	106	5
HLK-10EC-21-CC	½"		33	30	25	111	5
HLK-10EC-25-CC	25	15	37	30	25	130	5
HLK-10EC-26-CC	¾"		39	30	25	139	5
HLK-10EC-28-CC	28	20	40	30	25	145	5
HLK-10EC-33-CC	1"	25	52	47	42	432	5
HLK-10EC-42-CC	1 ¼"	32	61	47	42	538	5
HLK-10EC-48-CC	1 ½"	40	68	47	42	639	5
HLK-10EC-60-CC	2"	50	81	47	42	906	5
HLK-10EC-76-CC	2 ½"	65	103	88	76	2495	2
HLK-10EC-88-CC	3"	80	120	88	76	3505	2
HLK-10EC-114-CC	4"	100	136	88	76	5704	2

All figures in mm; others are specifically marked.
Subject to misprints and technical changes.

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Status of Product Information: 2025-05
For the most current version and additional details, please visit our website: www.haelok.com

Page 23

HAELOK®

Internal Fitting Thread HLK-10TI

The HAELOK® fitting fitting type „TI“ (Internal Thread) is used to connect another fitting or extinguishing nozzles. They come with an inch female thread according to standard ISO 228-1 (cylindrically parallel) with a screw-in hole according to ISO 1179-1. The fitting consists of a total of two permanently mounted components: a base body and a press ring. Special designs with special threads e.g. NPT are possible.

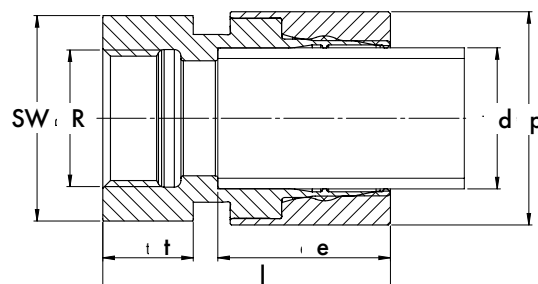


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe diameter from 21.3 - 60.3 mm (DN 15 - DN 50)
- Certified acc. to DNV, Bureau Veritas, DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 14/15



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	R	DN	p	l	e	t	SW	Weight (g)	PU (pcs.)
HLK-10TI-21-R12-CC	½"	15	½"	15	34	50	25	18	34	200	5
HLK-10TI-25-R34-CC	25		¾"	20	37	51	25	18	37	226	5
HLK-10TI-26-R34-CC	¾"	20	¾"	20	39	51	25	18	39	283	5
HLK-10TI-28-R34-CC	28		¾"	20	40	51	25	18	40	284	5
HLK-10TI-33-R1-CC	1"	25	1"	25	52	70	42	22	52	520	5
HLK-10TI-42-R114-CC	1 ¼"	32	1 ¼"	32	61	70	42	24	61	828	5
HLK-10TI-48-R112-CC	1 ½"	40	1 ½"	40	68	70	42	26	68	1024	5
HLK-10TI-60-R2-CC	2"	50	2"	50	82	70	42	29	82	1131	5

Other dimensions on request.

HAELOK®

External Fitting Thread HLK-10TE



The HAELOK® fitting type „TE“ (External Thread) is used to connect pumps or valves. The thread is manufactured as inch Male Thread according to ISO 228-1 (cylindrical parallel) with a screw-in joint for metal-to-metal sealing edge type „B“ according to ISO 1179-4. The fitting consists of two permanently mounted components: a base body and a press ring. Special designs with special threads e.g. NPT are possible.

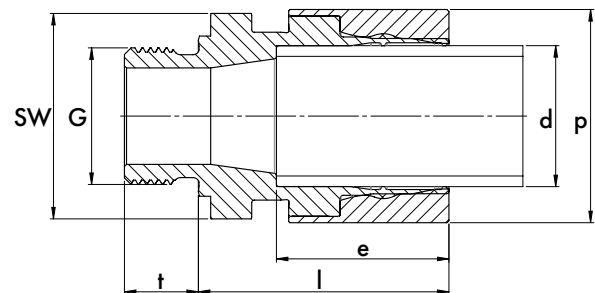


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe diameter from 21.3 - 60.3 mm (DN 15 - DN 50)
- Certified acc. to DNV, Bureau Veritas, DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 14/15



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	G	DN	p	l	e	t	SW	Weight (g)	PU (pcs.)
HLK-10TE-21-G12B-CC	½"	15	½"	15	34	41	25	14	36	192	5
HLK-10TE-25-G34B-CC	25		½"	15	37	42	25	16	36	219	5
HLK-10TE-26-G34B-CC	¾"	20	¾"	20	29	42	25	16	41	254	5
HLK-10TE-28-G34B-CC	28		¾"	20	40	42	25	16	41	249	5
HLK-10TE-33-G1B-CC	1"	25	1"	25	52	61	42	18	50	615	5
HLK-10TE-42-G114B-CC	1 ¼"	32	1 ¼"	32	61	62	42	20	60	795	5
HLK-10TE-48-G112B-CC	1 ½"	40	1 ½"	40	68	62	42	22	70	952	5
HLK-10TE-60-G2B-CC	2"	50	2"	50	82	66	42	24	75	1233	5

HAELOK®

Elbow 90° HLK-10L90



Image 2

The HAELOK® fitting type „L90“ (Elbow) is used for a connection between two pipes at an angle of 90°. The fitting consists of a total of three permanently mounted components: a base body and two press rings. Special designs with unequal outlets are possible within limits. The product is delivered either machined from solid material (square contours, as shown in Image 1) or as a forged part (round contours, as shown in Image 2), depending on the quantity. The technically relevant functional dimensions are identical in all versions.



ONLINE-INFO

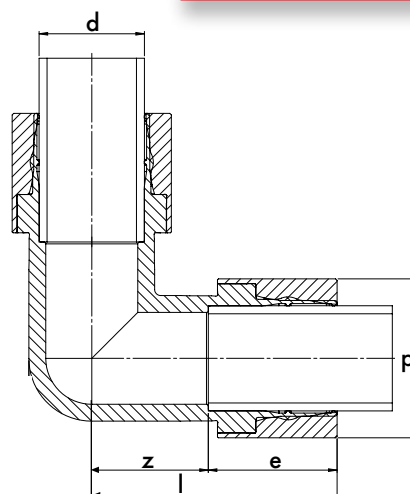


Image 1



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe diameter from 17.2 - 60.3 mm (DN 10 - DN 50)
- Certified acc. to DNV, Bureau Veritas, DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 14/15



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	z	Weight (g)	PU (pcs.)
HLK-10L90-17-CC	3/8"	10	29	60	25	35	288	5
HLK-10L90-21-CC	1/2"	15	34	65	25	40	369	5
HLK-10L90-25-CC	25		37	65	25	40	476	5
HLK-10L90-26-CC	3/4"	20	39	65	25	40	432	5
HLK-10L90-28-CC	28		40	65	25	40	419	5
HLK-10L90-33-CC	1"	25	52	80	42	38	1110	5
HLK-10L90-42-CC	1 1/4"	32	61	95	42	53	1765	5
HLK-10L90-48-CC	1 1/2"	40	68	95	42	53	1723	5
HLK-10L90-60-CC	2"	50	82	100	42	58	2511	5

HAELOK®

Union Tee HLK-10T3



Image 2

The HAELOK® fitting type „T3“ (Equal-T) is used as a connection between three pipes. The fitting consists of a total of four permanently mounted components: a base body and three press rings. Special designs with unequal outlets (TR/T-reduced) are possible within limits. The product is delivered either machined from solid material (square contours, as shown in Image 1) or as a forged part (round contours, as shown in Image 2), depending on the quantity. The technically relevant functional dimensions are identical in all versions.



Image 1

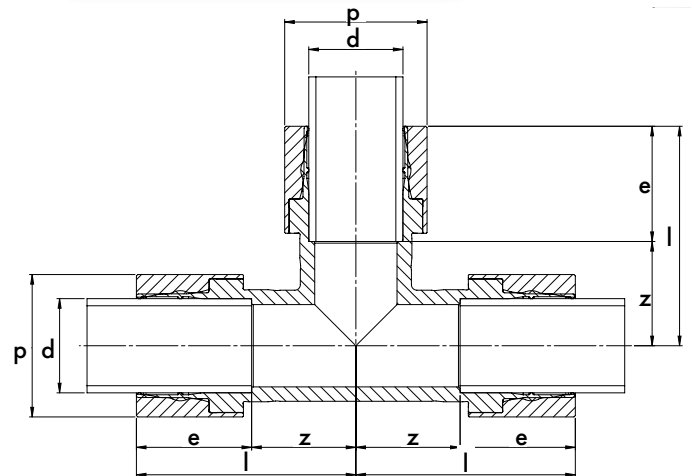


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe diameter from 17.2 - 60.3 mm (DN 10 - DN 50)
- Certified acc. to DNV, Bureau Veritas, DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 14/15



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	z	Weight (g)	PU (pcs.)
HLK-10T3-17-CC	¾"	10	29	60	25	35	415	5
HLK-10T3-21-CC	½"	15	34	65	25	40	513	5
HLK-10T3-25-CC	25		37	65	25	40	661	5
HLK-10T3-26-CC	¾"	2	39	65	25	40	604	5
HLK-10T3-28-CC	28		40	65	25	40	590	5
HLK-10T3-33-CC	1"	25	52	80	42	38	1558	5
HLK-10T3-42-CC	1 ¼"	32	61	95	42	53	2420	5
HLK-10T3-48-CC	1 ½"	40	68	95	42	53	2411	5
HLK-10T3-60-CC	2"	50	82	100	42	58	3484	5

**NEW
PRODUCT**

HAELOK®

Bent Pipe HLK-10BP90

The pipes type „BP“ (Bent Pipe) are available as 30°, 45°, and 90° bends.
Bent pipes can be combined with all HAELOK® fittings.



ONLINE-INFO

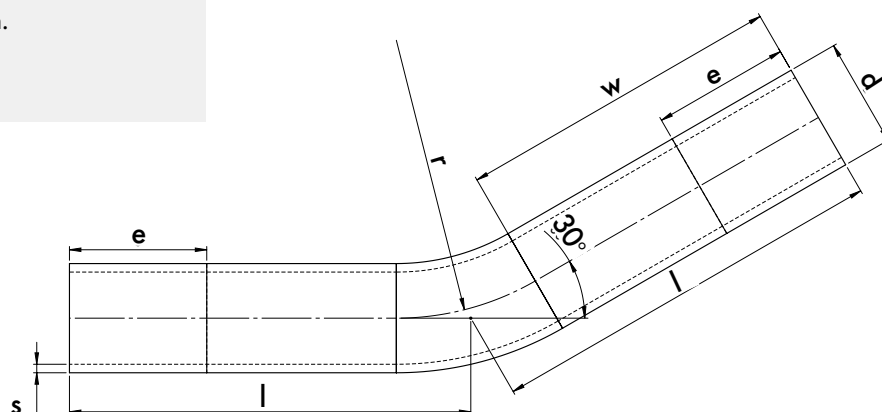


TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Pipe outer diameter from 42.4 - 60.3 mm (DN 32 - DN 50)
- Pipe according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2

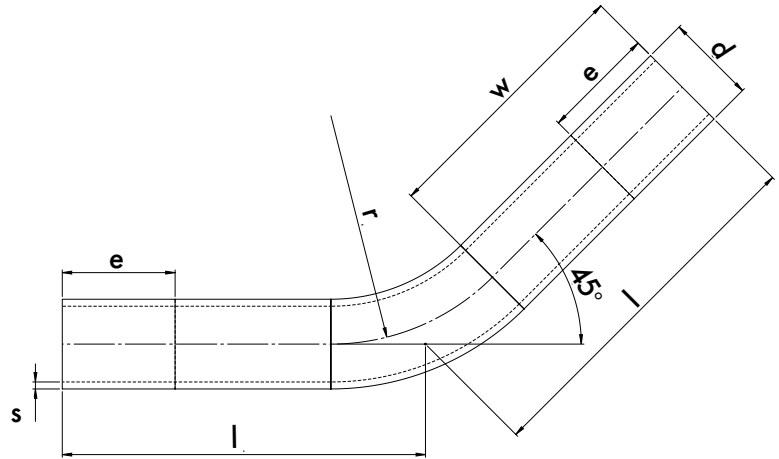


**Pipe bends are not suitable
for underfloor installation.**



C-STEEL (CC) / (30° ELBOW)

Article No.	d	d (mm)	s	r	e	w	l	Weight (g)	PU (pcs.)
HLK-10BP30-33-C	1	33,4	2,6	85	42	100	122,8	493	1
HLK-10BP30-42-C	1 ¼"	42,4	3,2	85	42	100	122,8	752	1
HLK-10BP30-48-C	1 ½"	48,3	3,2	100	42	100	126,8	893	1
HLK-10BP30-60-C	2	60,3	3,6	100	42	100	126,8	1263	1



C-STEEL (CC) / (45° ELBOW)

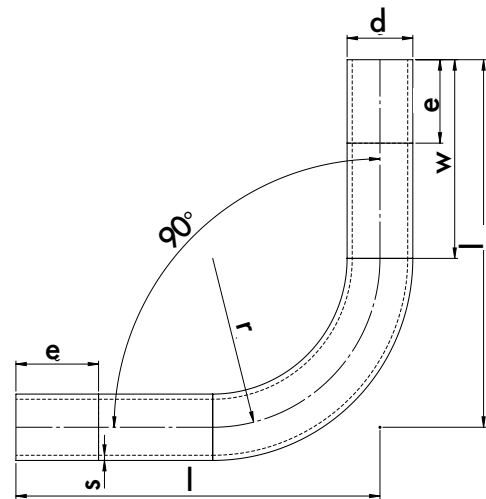
Article No.	d	d (mm)	s	r	e	w	l	Weight (g)	PU (pcs.)
HLK-10BP45-33-C	1	33,4	2,6	85	42	100	135,2	537	1
HLK-10BP45-42-C	1 1/4"	42,4	3,2	85	42	100	135,2	841	1
HLK-10BP45-48-C	1 1/2"	48,3	3,2	100	42	100	141,4	1010	1
HLK-10BP45-60-C	2	60,3	3,6	100	42	100	141,4	1429	1



Changes in radius r and wall thickness s may apply due to production constraints

The BENT PIPE 90° can be supplied in the sizes, angles, radii and wall thicknesses you require, as well as with and without fittings.

The bent pipe is delivered without a HAELOK® fitting.



C-STEEL (CC) / (90° ELBOW)

Article No.	d	d (mm)	s	r	e	w	l	Weight (g)	PU (pcs.)
HLK-10BP90-33-C	1	33,4	2,6	85	42	100	185	672	1
HLK-10BP90-42-C	1 1/4"	42,4	3,2	85	42	100	185	1052	1
HLK-10BP90-48-C	1 1/2"	48,3	3,2	100	42	100	200	1296	1
HLK-10BP90-60-C	2	60,3	3,6	100	42	100	200	1832	1



HAELOK®

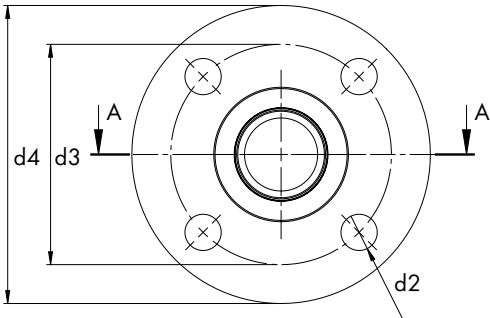
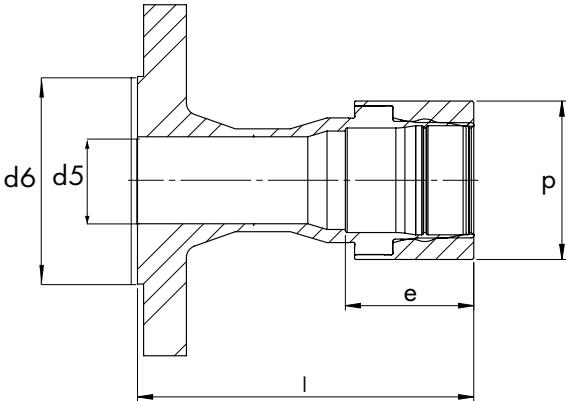
ASME/ANSI-Flange HLK-10FA

The HAELOK® fitting type „FA“ (Flange ASME/ANSI) is a detachable connection to valves, pumps and tanks. HAELOK® offers PN40 flange connections according to ASME B 16.5 from stock. The fitting consists of a total of two completely assembled components: a base body and a press ring. The flanges are supplied without gaskets and fasteners.



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Flange connection according to ASME B 16.5
- Can be used for seamless and welded pipes according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe diameter \varnothing 33..4
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- For detailed information by size see pages 14/15



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	d2	d3	d4	d5	d6	Weight (g)	PU (pcs.)
HLK-10FA-33-CC	1"	25	52	112	42	19,1	88,9	124	34,54	50,8	1787	2

ASME/ANSI flanges can be produced in different sizes on request.

HAELOK®

Flange HLK-10FD

The HAELOK® fitting type „FD“ (Flange) is a detachable connection to valves, pumps and tanks. We offer PN40 flange connections according to DIN 2633 from stock, standard sizes range from DN 20 to DN 50. The flanges are supplied without gaskets and fasteners.

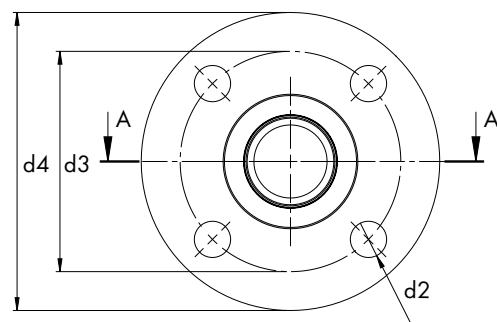
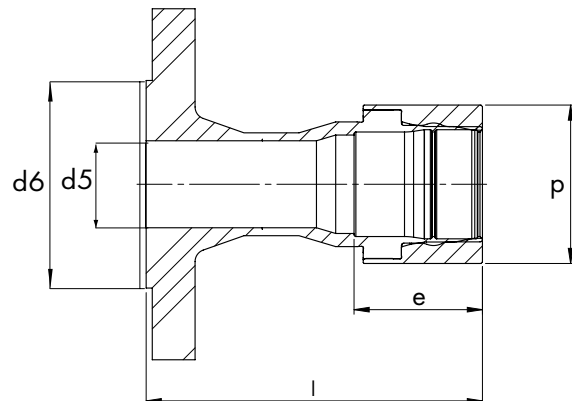


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Flange connection according to DIN 2633
- Can be used for seamless and welded pipes according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe outer diameter from 26.9 - 60.3 mm (DN 20 - DN 50)
- Certified acc. to DNV, Bureau Veritas und DVGW
- Compliant with DGRL up to Category III, application-specific
- For detailed information by size see pages 14/15



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	d2	d3	d4	d5	d6	Weight (g)	PU (pcs.)
HLK-10FD-26-PN40-CC	¾"	20	38,9	90	25	14	75	105	20,9	58	1174	2
HLK-10FD-33-PN40-CC	1"	25	51,9	112	42	14	85	115	28,5	68	1714	2
HLK-10FD-42-PN40-CC	1 ¼"	32	60,9	114	42	18	100	140	37,2	78	2363	2
HLK-10FD-48-PN40-CC	1 ½"	40	67,9	116	42	18	110	150	43,1	88	2693	2
HLK-10FD-60-PN40-CC	2"	50	81,9	119	42	18	125	165	54,5	102	3419	2



Installation examples in industrial settings



HAELOK®

SAE Flange HLK-10FS

The HAELOK® fitting type „FS“ (SAE flange) is used for a straight connection with a counter flange.

SAE flanges according to DIN ISO 6162-1 (Code 61) pressure class 3000 PSI / 207 bar.

The flanges are supplied with O-ring and two half flanges. Half flanges can only be connected to each other with a connecting plate. The advantage of this connection is the freely rotating assembly.

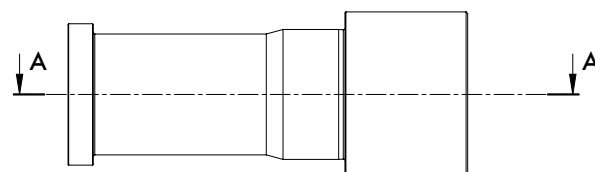


ONLINE-INFO

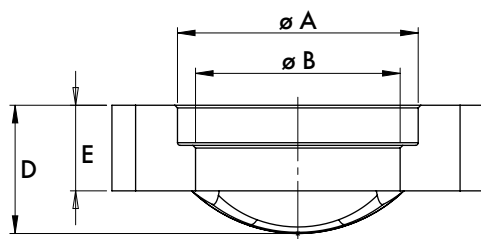
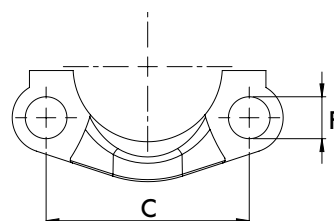
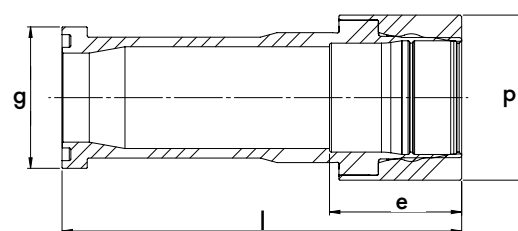


TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Nominal pressure on the flange side up to 207 bar (Class 3000 PSI)
- Resistant to vibration and fire
- Flange connection according to DIN ISO 6162-1 (Code61)
- Can be used for seamless and welded pipes according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Pipe diameter \varnothing 33.4
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- For detailed information by size see pages 14/15

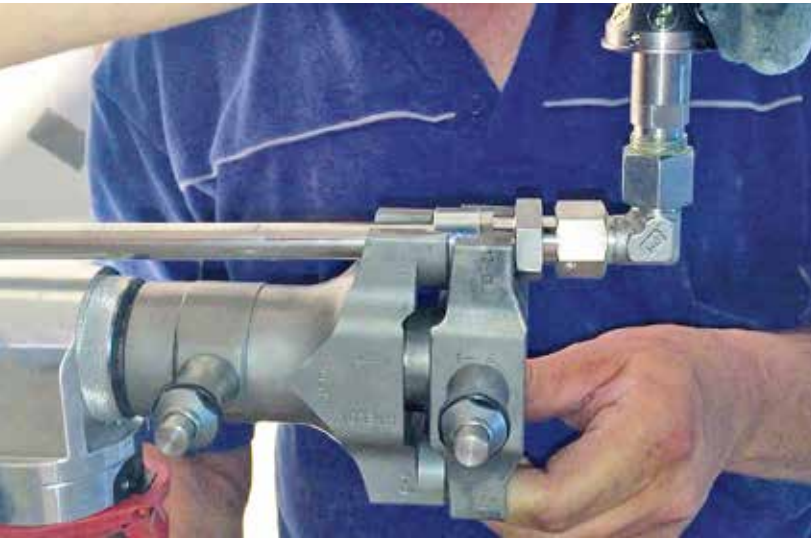


A-A



C-STEEL (CC) + GALVANIZED

Article No.	d	p	l	e	g	C	D	E	F	øA	øB	d5	Weight (g)	PU (pcs.)	
HLK-10FS-33-CC	1"	25	52	127	42	44,45	52,4	24	16	10,75	45,3	38,5	28	670	2



HAELOK® PRODUCT PORTFOLIO. MATERIAL: STAINLESS STEEL (XX).

The HAELOK® product portfolio offers a variety of high-performance press fittings available in over 250 variants and sizes. This innovative pipe connection system, which operates without welding and elastomeric seals, ensures a hermetic seal for pipe diameters ranging from 10 bis 114.3 mm (Rohre DN 8 - DN 100).

HAELOK® fittings made of stainless steel are manufactured from high-quality stainless steel 1.4404 (AISI 316L), known for its excellent corrosion resistance and durability. This system is ideal for applications exposed to strong vibrations, high pressures and extreme temperatures.

The HAELOK® stainless steel system is versatile and suitable for numerous industrial applications. It provides solutions for different pipe diameters, materials, pressure and temperature ranges, as well as for a variety of fluids and gases.

HAELOK®. EVERYTHING FROM A SINGLE SOURCE.

Material: stainless steel XX:

Enclosure: stainless steel(XX) 1.4404 (AISI 316L)

Press ring: stainless steel (XX) 1.4404 (AISI 316L)

HAELOK®

Straight Fitting HLK-10SF



The HAELOK® fitting type „SF“ (Straight Fitting) is used for a straight connection of two pipes.
The fitting consists of a total of three permanently mounted components: a base body and two press rings.

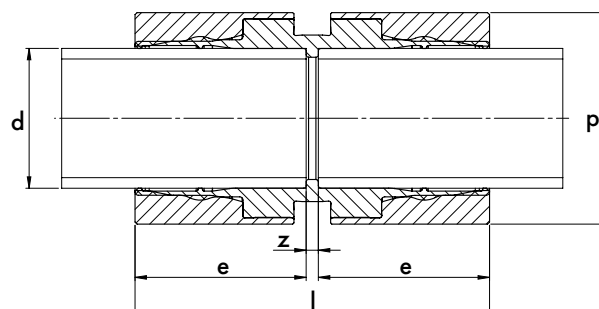


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe outer diameter metric: 10 – 114.3 mm
- Pipe outer diameter inch: 1/4" – 4" (DN 8 – DN 100)
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX)

Article No.	d	DN	p	l	e	z	Weight (g)	PU (pcs.)
HLK-10SF-10-XX	10		22	37	17	3	73	10
HLK-10SF-12-XX	12		22	37	17	3	65	10
HLK-10SF-13-XX	¼"	8	22	37	17	3	55	10
HLK-10SF-15-XX	15		27	52	25	2	145	10
HLK-10SF-16-XX	16		27	52	25	2	133	10
HLK-10SF-17-XX	⅜"	10	29	52	25	2	160	10
HLK-10SF-18-XX	18		29	52	25	2	148	10
HLK-10SF-20-XX	20		32	52	25	2	178	10
HLK-10SF-21-XX	½"	15	34	52	25	2	187	10
HLK-10SF-22-XX	22		34	52	25	2	190	10
HLK-10SF-25-XX	25		37	52	25	2	210	10
HLK-10SF-26-XX	¾"	20	39	52	25	2	223	10
HLK-10SF-28-XX	28		40	52	25	2	230	10
HLK-10SF-30-XX	30		47	87	42	3	645	10
HLK-10SF-33-XX	1"	25	52	87	42	3	770	10
HLK-10SF-35-XX	35		54	87	42	3	818	10
HLK-10SF-38-XX	38		55	87	42	3	778	10
HLK-10SF-42-XX	1 ¼"	32	61	87	42	3	941	10
HLK-10SF-48-XX	1 ½"	40	68	87	42	3	1108	10
HLK-10SF-60-XX	2"	50	81	87	42	3	1445	10
HLK-10SF-76-XX	2 ½"	65	103	155	75	5	4060	2
HLK-10SF-88-XX	3"	80	120	155	75	5	5560	2
HLK-10SF-114-XX	4"	100	154	155	75	5	9090	2

HAELOK®

Repair Fitting HLK-10SR



The HAELOK® fitting type „SR“ (Straight Repair) is used for a straight connection of two pipes. Due to the lack of a stop bar, the fitting can be moved over the whole pipe for repairs to be executed. The fitting consists of a total of three permanently mounted components: a base body and two press rings.

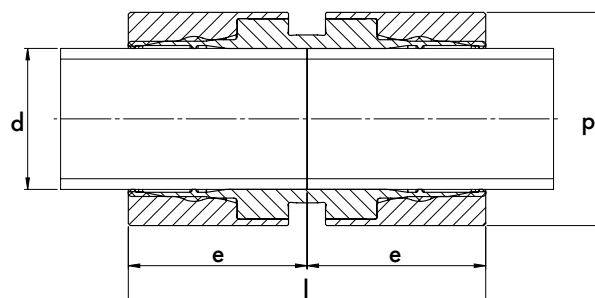


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from $\varnothing 10$ – $\varnothing 114.3$ mm
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX)

Article No.	d	DN	p	l	e	Weight (g)	PU (pcs.)
HLK-10SR-10-XX	10		22	37	18,5	73	10
HLK-10SR-12-XX	12		22	37	18,5	63	10
HLK-10SR-13-XX	¼"	8	22	37	18,5	55	10
HLK-10SR-15-XX	15		27	52	26	144	10
HLK-10SR-16-XX	16		27	52	26	133	10
HLK-10SR-17-XX	⅜"	10	29	52	26	160	10
HLK-10SR-18-XX	18		29	52	26	145	10
HLK-10SR-20-XX	20		32	52	26	176	10
HLK-10SR-21-XX	½"	15	34	52	26	187	10
HLK-10SR-22-XX	22		34	52	26	190	10
HLK-10SR-25-XX	25		37	52	26	208	10
HLK-10SR-26-XX	¾"	20	39	52	26	223	10
HLK-10SR-28-XX	28		40	52	26	228	10
HLK-10SR-30-XX	30		47	87	43,5	640	10
HLK-10SR-33-XX	1"	25	52	87	43,5	770	10
HLK-10SR-35-XX	35		55	87	43,5	814	10
HLK-10SR-38-XX	38		55	87	43,5	773	10
HLK-10SR-42-XX	1 ¼"	32	61	87	43,5	941	10
HLK-10SR-48-XX	1 ½"	40	68	87	43,5	1108	10
HLK-10SR-60-XX	2"	50	82	87	43,5	1445	10
HLK-10SR-76-XX	2 ½"	65	103	155	77,5	4060	2
HLK-10SR-88-XX	3"	80	120	155	77,5	5560	2
HLK-10SR-114-XX	4"	100	154	155	77,5	9090	2

HAELOK®

Reducer HLK-10RE



The HAELOK® fitting type „RE“ (Reducer) is used for a straight connection of two pipes with different diameters. The fitting consists of a total of three permanently mounted components: a base body and two press rings of different sizes.

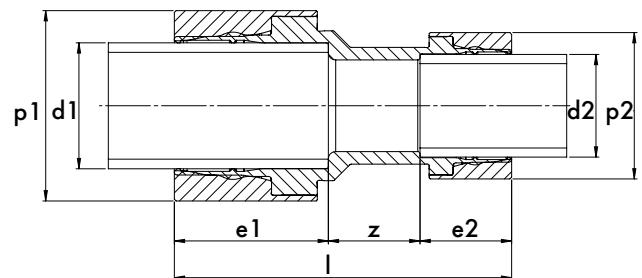


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter metric from 10 – 60.3 mm
- Pipe diameter inch from 3/8" – 2" (DN 8 – DN 50)
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX) (METRIC)

Article No.	d1	p1	d1 DN	p1 DN	e1	d2	p2	e2	l	z	Weight (g)	PU (pcs.)
HLK-10RE-12-10-XX	12	22			17	10	22	17	38	4	69	5
HLK-10RE-16-12-XX	16	27			25	12	22	17	52	10	110	5
HLK-10RE-17-13-XX	3/8"	1/4"	10	8	29	25	22	17	52	10	117	5
HLK-10RE-20-16-XX	20	32			25	16	27	25	58	8	165	5
HLK-10RE-21-17-XX	1/2"	3/8"	15	10	34	25	29	25	58	8	183	5
HLK-10RE-22-18-XX	22	34			25	18	29	25	58	8	180	5
HLK-10RE-25-10-XX	25	37			25	20	32	25	58	8	207	5
HLK-10RE-26-17-XX	3/4"	1/4"	20	8	39	25	29	25	58	8	205	5
HLK-10RE-26-21-XX	3/4"	1/2"	20	15	39	25	34	25	58	8	220	5
HLK-10RE-28-22-XX	28	40			25	22	34	25	58	8	227	5
HLK-10RE-30-25-XX	30	47			42	25	37	25	75	8	446	5
HLK-10RE-33-21-XX	1"	1/2"	25	15	52	42	34	25	92	25	534	5
HLK-10RE-33-26-XX	1"	3/4"	25	20	52	42	39	25	92	25	564	5
HLK-10RE-35-28-XX	35	54			42	28	40	25	92	25	596	5
HLK-10RE-38-30-XX	38	55			42	30	47	42	100	16	600	5
HLK-10RE-42-21-XX	1 1/4"	1/2"	32	15	61	42	34	25	92	25	650	5
HLK-10RE-42-26-XX	1 1/4"	3/4"	32	20	61	42	39	25	92	25	667	5
HLK-10RE-42-33-XX	1 1/4"	1"	32	25	61	42	52	42	100	16	933	5
HLK-10RE-48-26-XX	1 1/2"	3/4"	40	20	68	42	39	25	102	35	780	5
HLK-10RE-48-33-XX	1 1/2"	1"	20	25	68	42	52	42	100	16	1036	5
HLK-10RE-48-42-XX	1 1/2"	1 1/4"	20	32	68	42	61	42	100	16	1107	5
HLK-10RE-60-33-XX	2"	1"	50	25	81	42	52	42	100	16	1243	5
HLK-10RE-60-42-XX	2"	1 1/4"	50	32	81	42	61	42	100	16	1304	5
HLK-10RE-60-48-XX	2"	1 1/2"	50	40	81	42	68	42	100	16	1385	5

Other reductions can be manufactured on request.

HAELOK®

End Cap HLK-10EC

The HAELOK® fitting type „EC“ (End Cap) is used as a pipe closure. The fitting consists of a total of two permanently mounted components: a base body and a press ring.

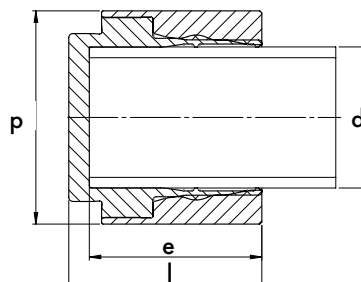


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from \varnothing 10 – \varnothing 114.3 mm
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX)

STANDARD
STAINLESS STEEL XX

Article No.	d	DN	p	l	e	Weight (g)	PU (pcs.)
HLK-10SR-10-XX	10		22	37	18,5	73	10
HLK-10SR-12-XX	12		22	37	18,5	63	10
HLK-10SR-13-XX	¼"	8	22	37	18,5	55	10
HLK-10SR-15-XX	15		27	52	26	144	10
HLK-10SR-16-XX	16		27	52	26	133	10
HLK-10SR-17-XX	¾"	10	29	52	26	160	10
HLK-10SR-18-XX	18		29	52	26	145	10
HLK-10SR-20-XX	20		32	52	26	176	10
HLK-10SR-21-XX	½"	15	34	52	26	187	10
HLK-10SR-22-XX	22		34	52	26	190	10
HLK-10SR-25-XX	25		37	52	26	208	10
HLK-10SR-26-XX	¾"	20	39	52	26	223	10
HLK-10SR-28-XX	28		40	52	26	228	10
HLK-10SR-30-XX	30		47	87	43,5	640	10
HLK-10SR-33-XX	1"	25	52	87	43,5	770	10
HLK-10SR-35-XX	35		55	87	43,5	814	10
HLK-10SR-38-XX	38		55	87	43,5	773	10
HLK-10SR-42-XX	1 ¼"	32	61	87	43,5	941	10
HLK-10SR-48-XX	1 ½"	40	68	87	43,5	1108	10
HLK-10SR-60-XX	2"	50	82	87	43,5	1445	10
HLK-10SR-76-XX	2 ½"	65	103	155	77,5	4060	2
HLK-10SR-88-XX	3"	80	120	155	77,5	5560	2
HLK-10SR-114-XX	4"	100	154	155	77,5	9090	2

HAELOK®

Internal Fitting Thread HLK-10TI

The HAELOK® fitting type „TI“ (Internal Thread) is used to connect another fitting or extinguishing nozzles. They come with an inch female thread according to standard ISO 228-1 (cylindrically parallel) with a screw-in hole according to ISO 1179-1. The fitting consists of a total of two permanently mounted components: a base body and a press ring. Special designs with special threads e.g. NPT are possible.

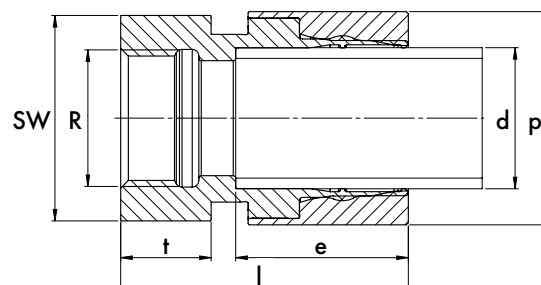


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from \varnothing 10 – \varnothing 60,3 mm
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX)

Article No.	d	DN	R	p	l	e	t	SW	Weight (g)	PU (pcs.)
HLK-10TI-10-R14-XX	10		½"	22	39	17	13	22	85	5
HLK-10TI-12-R12-XX	12		½"	22	43	17	16	27	100	5
HLK-10TI-13-R12-XX	¼"	8	½"	22	37	17	16	27	95	5
HLK-10TI-15-R12-XX	15		½"	27	50	25	12	27	138	5
HLK-10TI-16-R12-XX	16		½"	27	50	25	16	27	131	5
HLK-10TI-17-R38-XX	¾"	10	¾"	29	46	25	12	29	163	5
HLK-10TI-18-R38-XX	18		¾"	29	46	25	13	29	160	5
HLK-10TI-20-R12-XX	20		½"	32	50	25	18	32	194	5
HLK-10TI-21-R12-XX	½"	15	½"	34	50	25	18	34	200	5
HLK-10TI-22-R12-XX	22		½"	34	51	25	18	32	245	5
HLK-10TI-25-R34-XX	25		¾"	37	51	25	18	37	226	5
HLK-10TI-26-R34-XX	¾"	20	¾"	39	51	25	18	39	283	5
HLK-10TI-28-R34-XX	28		¾"	40	50	25	18	40	284	5
HLK-10TI-30-R1-XX	30		1"	47	70	25	19	50	423	5
HLK-10TI-33-R1-XX	1"	25	1"	52	70	42	22	52	520	5
HLK-10TI-42-R114-XX	1 ¼"	32	1 ¼"	61	70	42	24	61	828	5
HLK-10TI-48-R112-XX	1 ½"	40	1 ½"	68	70	42	26	68	1042	5
HLK-10TI-60-R2-XX	2"	50	2"	82	70	42	29	82	1131	5

HAELOK®

External Fitting Thread HLK-10TE

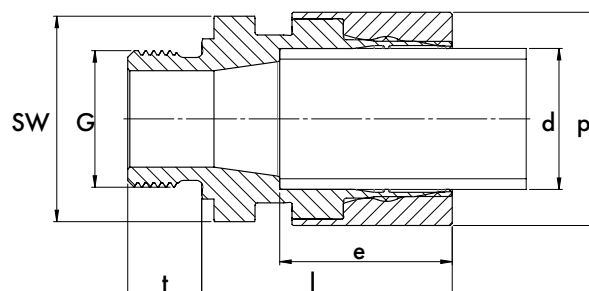


The HAELOK® fitting type „TE“ (External Thread) is used to connect pumps or valves. The thread is manufactured as inch Male Thread according to ISO 228-1 (cylindrical parallel) with a screw-in joint for metal-to-metal sealing edge type „B“ according to ISO 1179-4. The fitting consists of two permanently mounted components: a base body and a press ring. Special designs with special threads e.g. NPT are possible.



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from \varnothing 10 – \varnothing 60.3 mm
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX) (SEALING TYPE B)

Article No.	d	DN	G	p	l	e	t	SW	Weight (g)	PU (pcs.)
HLK-10TE-10-G14B-XX	10		¼"	22	30	17	12	22	69	5
HLK-10TE-12-G12B-XX	12		½"	21,4	33	17	14	27	109	5
HLK-10TE-13-G12B-XX	¼"	8	½"	21,4	33	17	14	27	99	5
HLK-10TE-15-G12B-XX	15		½"	27	41	25	14	27	138	5
HLK-10TE-16-G12B-XX	16		½"	27	41	25	14	27	128	5
HLK-10TE-17-G38B-XX	¾"	10	¾"	29	38	25	12	30	136	5
HLK-10TE-18-G38B-XX	18		¾"	29	38	25	12	30	135	5
HLK-10TE-20-G12B-XX	20		½"	32	41	25	14	36	175	5
HLK-10TE-21-G12B-XX	½"	15	½"	34	41	25	14	34	192	5
HLK-10TE-22-G12B-XX	22		½"	34	41	25	14	36	196	5
HLK-10TE-25-G34B-XX	25		¾"	37	42	25	16	36	219	5
HLK-10TE-26-G34B-XX	¾"	20	¾"	39	42	25	16	41	254	5
HLK-10TE-28-G34B-XX	28		¾"	40	42	25	16	41	249	5
HLK-10TE-30-G1B-XX	30		1"	51,9	61	42	18	46	505	5
HLK-10TE-33-G1B-XX	1"	25	1"	52	61	42	18	50	615	5
HLK-10TE-42-G114B-XX	1 ¼"	32	1 ¼"	61	62	42	20	60	795	5
HLK-10TE-48-G112B-XX	1 ½"	40	1 ½"	68	62	42	22	70	952	5
HLK-10TE-60-G2B-XX	2"	50	2"	82	66	42	24	75	1233	5

STAINLESS STEEL (XX) (TYPE E SEALING EDGE / VITON O-RING)

Article No.	d	G	p	l	e	t	SW	Weight (g)	PU (pcs.)
HLK-10TE-12-G12E-XX	12	½"	21.4	33	17	14	27	108	5

HAELOK®

Elbow 90° HLK-10L90



The HAELOK® fitting type „L90“ (Elbow) is used for a connection between two pipes at an angle of 90°. The fitting consists of a total of three permanently mounted components: a base body and two press rings. Special designs with unequal outlets are possible within limits.

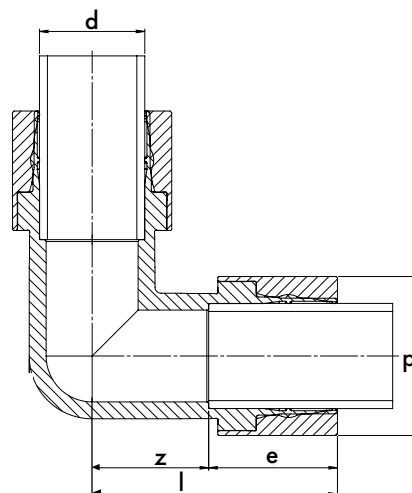


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from \varnothing 10 – \varnothing 60.3 mm
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX)

Article No.	d	DN	p	l	e	z	Weight (g)	PU (pcs.)
HLK-10L90-10-XX	10		22	50	17	33	137	5
HLK-10L90-12-XX	12		22	50	17	33	127	5
HLK-10L90-13-XX	¼"	8	27	50	17	33	107	5
HLK-10L90-15-XX	15		27	60	25	35	272	5
HLK-10L90-16-XX	16		27	60	25	35	262	5
HLK-10L90-17-XX	⅜"	10	29	60	25	35	288	5
HLK-10L90-18-XX	18		29	60	25	35	269	5
HLK-10L90-20-XX	20		32	65	25	40	375	5
HLK-10L90-21-XX	½"	15	34	65	25	40	369	5
HLK-10L90-22-XX	22		34	65	25	40	360	5
HLK-10L90-25-XX	25		37	65	25	40	476	5
HLK-10L90-26-XX	¾"	20	39	65	25	40	432	5
HLK-10L90-28-XX	28		40	65	25	40	419	5
HLK-10L90-30-XX	30		47	80	42	38	939	5
HLK-10L90-33-XX	1"	25	52	80	42	38	1111	5
HLK-10L90-35-XX	35		53.5	80	42	38	1235	5
HLK-10L90-38-XX	38		54.9	80	42	38	1150	5
HLK-10L90-42-XX	1 ¼"	32	61	95	42	53	1765	5
HLK-10L90-48-XX	1 ½"	40	68	95	42	53	1723	5
HLK-10L90-60-XX	2"	50	82	100	42	58	2520	5

HAELOK®

Union Tee HLK-10T3

The HAELOK® fitting type „T3“ (Equal-T) is used as a connection between three pipes.
The fitting consists of a total of four permanently mounted components: a base body and three press rings.
Special designs with unequal outlets (TR/T-reduced) are possible.

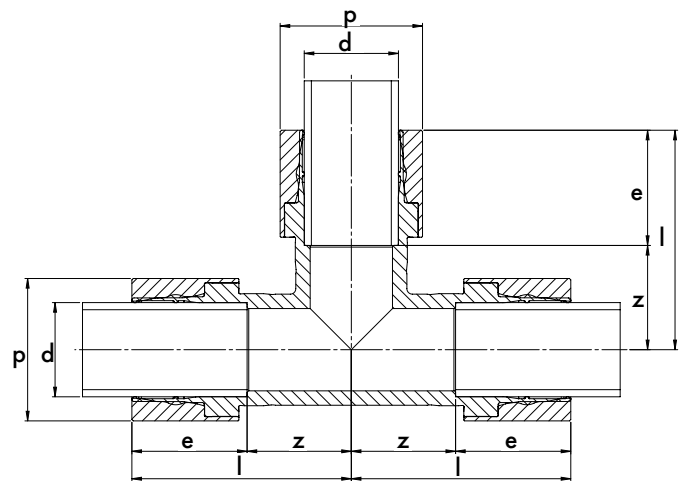


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from \varnothing 10 – \varnothing 60.3 mm
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX)

Article No.	d	DN	p	l	e	z	Weight (g)	PU (pcs.)
HLK-10T3-10-XX	10		22	50	17	33	210	5
HLK-10T3-12-XX	12		22	50	17	33	184	5
HLK-10T3-13-XX	1/4"	8	27	50	17	33	157	5
HLK-10T3-15-XX	15		27	60	25	35	394	5
HLK-10T3-16-XX	16		27	60	25	35	378	5
HLK-10T3-17-XX	3/8"	10	29	60	25	35	415	5
HLK-10T3-18-XX	18		29	60	25	35	392	5
HLK-10T3-20-XX	20		32	65	25	40	519	5
HLK-10T3-21-XX	1/2"	15	34	65	25	40	513	5
HLK-10T3-22-XX	22		34	65	25	40	517	5
HLK-10T3-25-XX	25		37	65	25	40	661	5
HLK-10T3-26-XX	3/4"	20	39	65	25	40	604	5
HLK-10T3-28-XX	28		40	65	25	40	590	5
HLK-10T3-30-XX	30		47	80	42	38	1336	5
HLK-10T3-33-XX	1"	25	52	80	42	38	1558	5
HLK-10T3-35-XX	35		53.5	80	42	38	1684	5
HLK-10T3-38-XX	38		54.9	80	42	38	1577	5
HLK-10T3-42-XX	1 1/4"	32	61	95	42	53	2410	5
HLK-10T3-48-XX	1 1/2"	40	68	95	42	53	2420	5
HLK-10T3-60-XX	2"	50	82	100	42	58	3484	5

STANDARD
STAINLESS STEEL XX

HAELOK®

**INNOVATION.
PRECISION. QUALITY.**

HAELOK®

Bent Pipe HLK-10BP90

The pipe, type „BP90“ (Bent Pipe) is used for a connection between two pipes at an angle of 90°. The pipe is bent to guarantee a better flow and can be completed with all HAELOK® fittings. The article consists of one pipe in total.






ONLINE-INFO

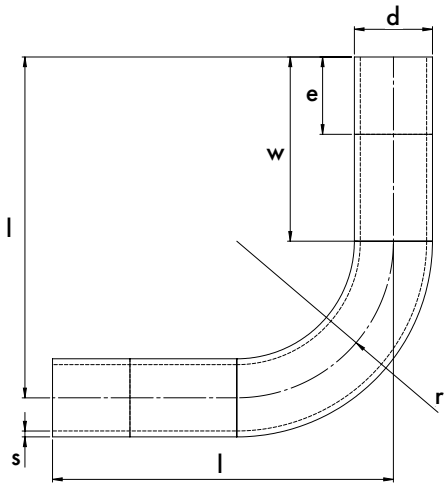






TECNICAL DATA

- Temperature range from -196 °C to +400 °C
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A26
- Pipe diameter from ø 26.9 - ø 60.3 mm



STAINLESS STEEL (XX)

Article No.	d	r	s	e	w	l	Weight (g)	PU (pcs.)
HLK-10BP90-42-X	1 ¼"	85	3,2	42	100	185	1052	1
HLK-10BP90-48-X	1 ½"	100	3,2	42	100	185	1295	1
HLK-10BP90-60-X	2"	120	3,2	42	100	185	1830	1

The BENT PIPE 90° can be supplied in the sizes, radii, and wall thicknesses you require.
Prices and minimum order quantities available upon request.

HAELOK®

Distibutor 2 outlets HLK-10D2

The HAELOK® fitting type "D2" (Distributor 2 Outlets) features two lateral outlets with G ½" threads and can be used as a measuring point or for screwing in spray nozzles. In combination with threaded parts TE-__-G12_, a branch or cross piece can easily be implemented. The fitting consists of three permanently assembled components: a base body and two press rings.

STANDARD
STAINLESS STEEL XX

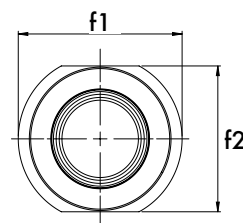
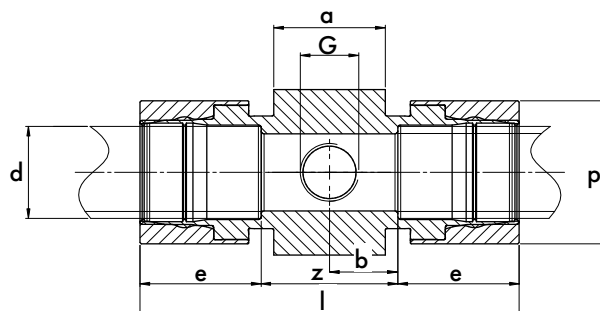


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe outside diameter metric: 10 - 42.4 mm
- Pipe outside diameter imperial: 3/4" - 1 1/4" (DN 20 - DN 32)
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL up to Category III, application-specific
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX)

Article No.	d	DN	G	p	l	e	a	b	f ₁	f ₂	G ¹⁾	z	Weight (g)	PU (pcs.)
HLK-10D2-26-G12-XX	¾"	20	½"	39	99	25	40	24,5	60	52,8	½"	49	885	5
HLK-10D2-28-G12-XX	28		½"	40	99	25	40	24,5	60	52,8	½"	49	887	5
HLK-10D2-30-G12-XX	30		½"	47	136	43,5	40	24,5	62	55,1	½"	49	1366	5
HLK-10D2-33-G12-XX	1"	25	½"	52	136	43,5	40	24,5	64	57,3	½"	49	1545	5
HLK-10D2-38-G12-XX	38		½"	55	136	43,5	40	24,5	66	59,5	½"	49	1588	5
HLK-10D2-42-G12-XX	1 ¼"	32	½"	61	136	43,5	40	24,5	80	74,8	½"	49	2124	5

Other sizes available upon request.

All figures in mm; others are specifically marked.
Subject to misprints and technical changes.

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HAELOK® – DKO 24° with O-ring HLK-10CM

The HAELOK® fitting type “CM” (DKO) is used as a detachable connection between two pipes or for connecting hydraulic hoses or spray nozzles. DKO according to DIN EN ISO 8434-1 Series S (&L). The fitting consists of three permanently mounted components and a nut. Its counterpart is the HLK-10CF.

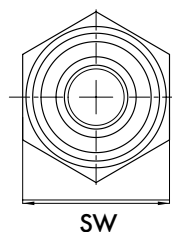
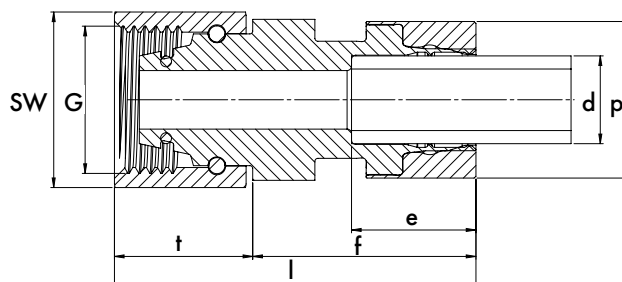


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- DKO connection according to DIN EN ISO 8434-1 Series S (& L)
- CF side for pipes with D4T3 tolerance according to ISO 1127
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from \varnothing 10 – \varnothing 38 mm
- Certified acc. to DNV, Bureau Veritas
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX)

Article No.	d	p	e	f	t	l	G	SW	Weight (g)	PU (pcs.)
HLK-10CM-10-XX	10	21,4	17	30	11	41	M18x1,5	22	72,75	5
HLK-10CM-12-XX	12	21,4	17	30,5	16	46,5	M20x1,5	24	90,00	5
HLK-10CM-16-XX	16	27	25	37,5	14	51,5	M24x1,5	30	131,14	5

Other sizes available upon request.

All figures in mm; others are specifically marked.
Subject to misprints and technical changes.

HAELOK® – DKO 24° with O-ring HLK-10CF



The HAELOK® fitting type "CF" (DKO) is used as a detachable connection between two pipes or for connecting hydraulic hoses or spray nozzles. DKO according to DIN EN ISO 8434-1 Series S (& L). The fitting consists of three permanently mounted components and a nut. Its counterpart is the HLK-10CM.

STANDARD
STAINLESS STEEL XX

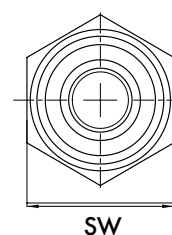
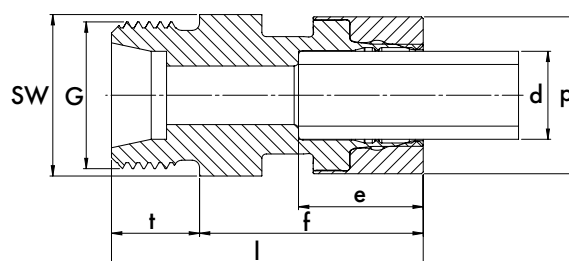


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- DKO connection according to DIN EN ISO 8434-1 Series S (& L)
- CF side for pipes with D4T3 tolerance according to ISO 1127
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from $\varnothing 10 - \varnothing 38$ mm
- Certified acc. to DNV, Bureau Veritas
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX)

Article No.	d	p	e	f	t	l	G	SW	Weight (g)	PU (pcs.)
HLK-10CF-10-L-XX	10	21,4	17	30	12	41	M16x1,5	22	74,14	5
HLK-10CF-10-XX	10	21,4	17	30	12	41	M18x1,5	22	79,81	5
HLK-10CF-12-XX	12	21,4	17	30,5	16	46,5	M20x1,5	22	78,40	5
HLK-10CF-16-XX	16	27	25	37,5	14	51,5	M24x1,5	27	130,84	5

Other sizes available upon request.

All figures in mm; others are specifically marked.
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HAELOK® THERMO® – DISTRICT HEATING. MATERIAL: STEEL (CC).

Especially for the district heating applications, HAELOK® has developed its own product line called THERMO®. During the development, the focus was on economic efficiency and technical requirements. Two sides that are not always easy to implement together. HAELOK® has managed this and offers a simple and fast alternative in the field of district heating. The THERMO® system is specifically optimised for high pull-out forces, temperature fluctuations and for the application together with district heating pipes. Marked with the green colour, HAELOK® THERMO® fittings are already widely used and pressed in the market today.

HAELOK®. NEW FOR PROVEN.

Material: steel CC:

Enclosure: C-steel (CC) 1.0570 (AISI 1024) galvanized

Press ring: C-steel (CC) 1.0570 (AISI 1024) galvanized

HAELOK® THERMO® Straight Fitting HLK-12SF



The HAELOK® THERMO® fitting, type „SF“ (Straight Fitting) is used for a straight connection of two district heating pipes. It is specially optimised for high pull-out forces, temperature changes and for use according to the current specifications of AGFW FW 449. The fitting consists of a total of three permanently mounted components: a base body and two press rings.



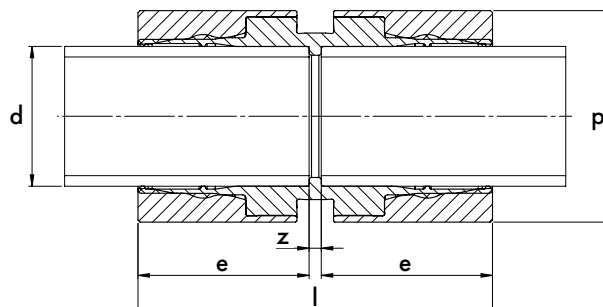
ONLINE-INFO



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Operating pressure according to AGFW 2.5 MPa and higher
- Pipe diameter from DN15 - DN100
- Technical service life at least 30 years
- Can be used for seamless and welded pipes according to EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Conforms to AGFW FW 449 up to DN80
- The properties of DN100 are summarised in our current Declaration of Performance.
- For detailed information by size see pages 14/15

Scan the „ONLINE INFO“ QR code to always access the latest product data sheets, declarations of performance and size charts.



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	z	Weight (g)	PU (pcs.)
HLK-12SF-21-CC	½"	15	34	52	25	2	187	20
HLK-12SF-26-CC	¾"	20	39	52	25	2	223	20
HLK-12SF-33-CC	1"	25	52	87	42	3	770	20
HLK-12SF-42-CC	1 ¼"	32	61	87	42	3	941	10
HLK-12SF-48-CC	1 ½"	40	68	87	42	3	1108	10
HLK-12SF-60-CC	2"	50	81	87	42	3	1445	10
HLK-12SF-76-CC	2 ½"	65	103	155	75	5	4060	2
HLK-12SF-88-CC	3"	80	120	155	75	5	5560	2
HLK-12SF-114-CC	4"	100	154	155	75	5	9090	2

HAELOK® THERMO® Repair Fitting HLK-12SR



The HAELOK® THERMO® fitting, type „SR“ (Straight Repair) is used for a straight connection of two district heating pipes. The fitting can be moved over the whole pipe to carry out repairs. It is especially optimised for high pull-out forces, temperature changes and for the use according to the current specifications of AGFW FW 449. The fitting consists of three fixed mounted components: a base body and two press rings.



ONLINE-INFO



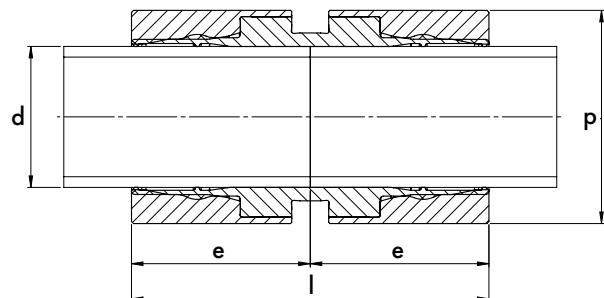
THERMO®



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Operating pressure according to AGFW 2.5 MPa and higher
- Pipe diameter from DN15 - DN100
- Technical service life at least 30 years
- Can be used for seamless and welded pipes according to EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Compliance with FW449 is defined in our current Declaration of Performance.
- For detailed information by size see pages 14/15

Scan the „ONLINE INFO“ QR code to always access the latest product data sheets, declarations of performance and size charts.



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	Weight (g)	PU (pcs.)
HLK-12SR-21-CC	½"	15	34	52	26	187	20
HLK-12SR-26-CC	¾"	20	39	52	26	223	20
HLK-12SR-33-CC	1"	25	52	87	43,5	770	20
HLK-12SR-42-CC	1 ¼"	32	61	87	43,5	941	10
HLK-12SR-48-CC	1 ½"	40	68	87	43,5	1108	10
HLK-12SR-60-CC	2"	50	81	87	43,5	1445	10
HLK-12SR-76-CC	2 ½"	65	103	155	77,5	4060	2
HLK-12SR-88-CC	3"	80	120	155	77,5	5560	2
HLK-12SR-114-CC	4"	100	154	155	77,5	9090	2

HAELOK® THERMO®

End Cap HLK-12EC

The HAELOK® THERMO® fitting, type „EC“ (End Cap) is used as a district heating pipe closure. It is especially optimised for high pull-out forces, temperature changes and for use according to the current specifications of AGFW FW 449 The fitting consists of two fixed components: a base body and a press ring.



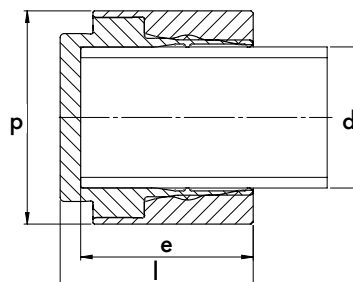
ONLINE-INFO



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Operating pressure according to AGFW 2.5 MPa and higher
- Pipe diameter from DN15 - DN100
- Technical service life at least 30 years
- Can be used for seamless and welded pipes according to EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Conforms to AGFW FW 449 up to DN80
- The properties of DN100 are summarised in our current Declaration of Performance
- For detailed information by size see pages 14/15

Scan the „ONLINE INFO“ QR code to always access the latest product data sheets, declarations of performance and size charts.



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	Weight (g)	PU (pcs.)
HLK-12EC-21-CC	½"	15	33	30	25	111	5
HLK-12EC-26-CC	¾"	20	39	30	25	139	5
HLK-12EC-33-CC	1"	25	52	47	42	432	5
HLK-12EC-42-CC	1 ¼"	32	61	47	42	538	5
HLK-12EC-48-CC	1 ½"	40	68	47	42	639	5
HLK-12EC-60-CC	2"	50	81	47	42	906	5
HLK-12EC-76-CC	2 ½"	65	103	88	76	2495	2
HLK-12EC-88-CC	3"	80	120	88	76	3505	2
HLK-12EC-114-CC	4"	100	136	88	76	5704	2

HAELOK® THERMO® Reducer HLK-12RE



The HAELOK® THERMO® fitting, type „RE“ (Reducer) is used for a straight connection of two district heating pipes with different diameters. It is specially optimised for high pull-out forces, temperature changes and for use according to the current specifications of AGFW FW 449. The fitting consists of three fixed components: a base body and two press rings of different sizes.



ONLINE-INFO



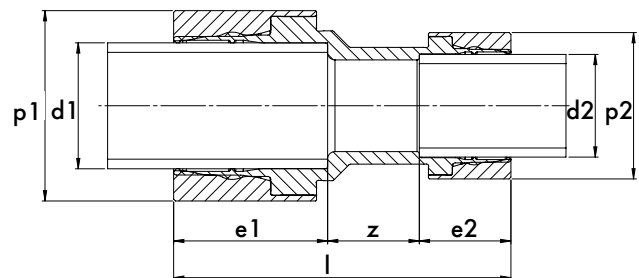
THERMO®



TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
- Operating pressure according to AGFW 2.5 MPa and higher
- Pipe diameter from DN15 - DN100
- Technical service life at least 30 years
- Can be used for seamless and welded pipes according to EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Conforms to AGFW FW 449 up to DN80
- The properties of DN100 are summarised in our current Declaration of Performance
- For detailed information by size see pages 14/15

Scan the „ONLINE INFO“ QR code to always access the latest product data sheets, declarations of performance and size charts.



C-STEEL (CC) + GALVANIZED

Article No.	d1	p1	e1	d2	p2	e2	l	z	Weight (g)	PU (pcs.)
HLK-12RE-26-21-CC	¾"	39	25	½"	34	25	58	8	220	5
HLK-12RE-33-26-CC	1"	52	42	¾"	39	25	92	25	564	5
HLK-12RE-33-21-CC	1"	52	42	½"	34	25	92	25	534	5
HLK-12RE-42-33-CC	1 ¼"	61	42	1"	52	42	100	16	933	5
HLK-12RE-42-26-CC	1 ¼"	61	42	¾"	39	25	92	25	667	5
HLK-12RE-48-42-CC	1 ½"	68	42	1 ¼"	61	42	100	16	1107	5
HLK-12RE-48-33-CC	1 ½"	68	42	1"	52	42	100	16	1036	5
HLK-12RE-60-33-CC	2"	81	42	1"	52	42	100	16	1243	5
HLK-12RE-76-60-CC	2 ½"	102	68	2"	81	42	137	28	2936	2
HLK-12RE-88-60-CC	3"	120	76	2"	81	42	137	30	3784	2

All reductions can be manufactured on request.

All figures in mm; others are specifically marked.
Subject to misprints and technical changes.

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**NEW
PRODUCT**

HAELOK® THERMO® T-Reducer HLK-10TR



The HAELOK® THERMO® fitting, type "TR" (T-Reduced) is used to connect three pipes when the differing pipe diameters require a reduction. It is specifically optimised for high pull-out forces, temperature changes and for use according to the current requirements of AGFW FW 449. The fitting consists of two permanently mounted components and a base body.

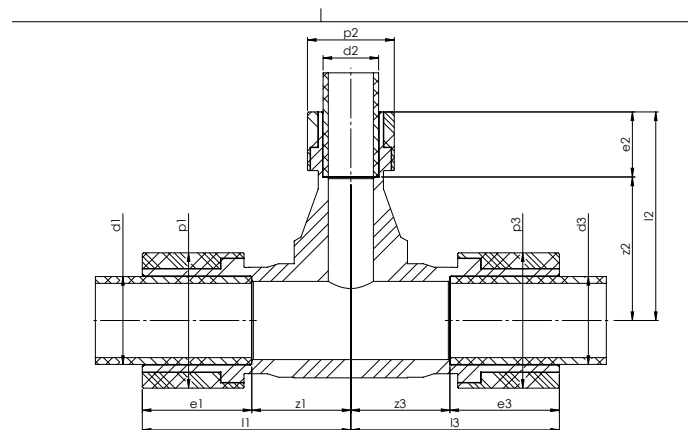


ONLINE-INFO



- TECHNICAL DATA**
- Temperature range: -20 °C to +300°C
 - Operating pressure according to AGFW: 2.5 MPa and higher
 - Nominal diameter: DN 15 - DN 50
 - Technical service life: at least 30 years
 - Suitable for seamless and welded pipes according to:
 - EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
 - Compliant with AGFW FW 449 up to DN80
 - For detailed specifications by size, see pages 14/15

Scan the „ONLINE INFO“ QR code to always access the latest product data sheets, declarations of performance and size charts.



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	z	d2	DN2	p2	l2	e2	z2	Weight (g)	PU (pcs.)
HLK-10TR-33-21-33-CC	1"	25	52	80	42	38	½"	15	34	80	25	55	1211	5
HLK-10TR-42-21-42-CC	1 ¼"	32	61	95	42	53	½"	15	34	95	25	70	2604	5
HLK-10TR-48-21-48-CC	1 ½"	40	68	95	42	53	½"	15	34	95	25	70	3465	5
HLK-10TR-60-21-60-CC	2"	50	82	100	42	58	½"	15	34	100	25	75	3593	5

**NEW
PRODUCT**

HAELOK® THERMO® T-Reducer HLK-10TR



The HAELOK® THERMO® fitting, type „TR“ (T-Reduced) is used to connect three pipes when different pipe diameters require a reduction. It is specifically optimised for high pull-out forces, thermal load cycling and for use in accordance with the current requirements of AGFW FW 449.

The fitting consists of two permanently mounted components and a base body.



ONLINE-INFO



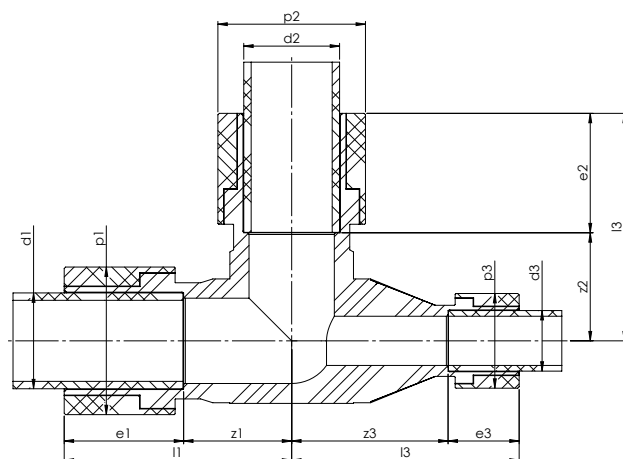
THERMO®



TECHNICAL DATA

- Temperature range: -20 °C to +300°C
- Operating pressure according to AGFW: 2.5 MPa and higher
- Nominal diameter: DN 15 - DN 50
- Technical service life: at least 30 years
- Suitable for seamless and welded pipes according to:
- EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
- Compliant with AGFW FW 449 up to DN80
- For detailed specifications by size, see pages 14/15

Scan the „ONLINE INFO“ QR code to always access the latest product data sheets, declarations of performance and size charts.



C-STEEL (CC) + GALVANIZED

Article No.	d	DN	p	l	e	z	d2	DN2	p2	l2	e2	z2	Weight (g)	PU (pcs.)
HLK-10TR-33-33-21-CC	1"	25	52	80	42	38	½"	15	34	80	25	55	1748	5
HLK-10TR-42-42-21-CC	1 ¼"	32	61	95	42	53	½"	15	34	95	25	70	3210	5
HLK-10TR-48-48-21-CC	1 ½"	40	68	95	42	53	½"	15	34	95	25	70	3225	5
HLK-10TR-60-60-21-CC	2"	50	82	100	42	58	½"	15	34	100	25	75	4463	5



Installation in a district heating network



Installation of connection lines



Installation within a building

**NEW
PRODUCT**

HAELOK® THERMO® Flange HLK-12FD



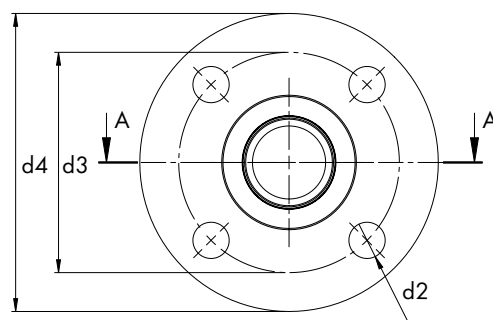
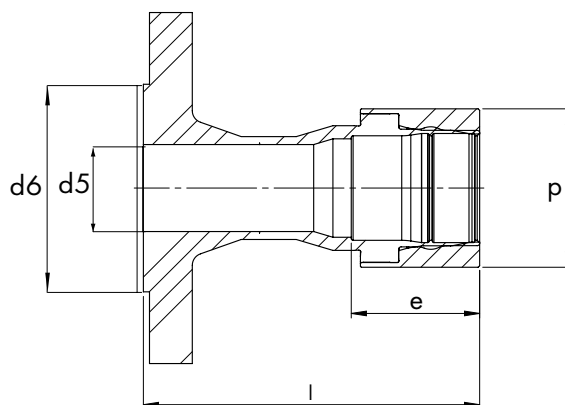
The HAELOK® fitting type „FD“ (Flange) is a detachable connection to valves, pumps and tanks. We offer PN40 flange connections according to DIN 2633 from stock; standard sizes range from DN 20 to DN 50. The flanges are supplied without gaskets and fasteners.


ONLINE-INFO

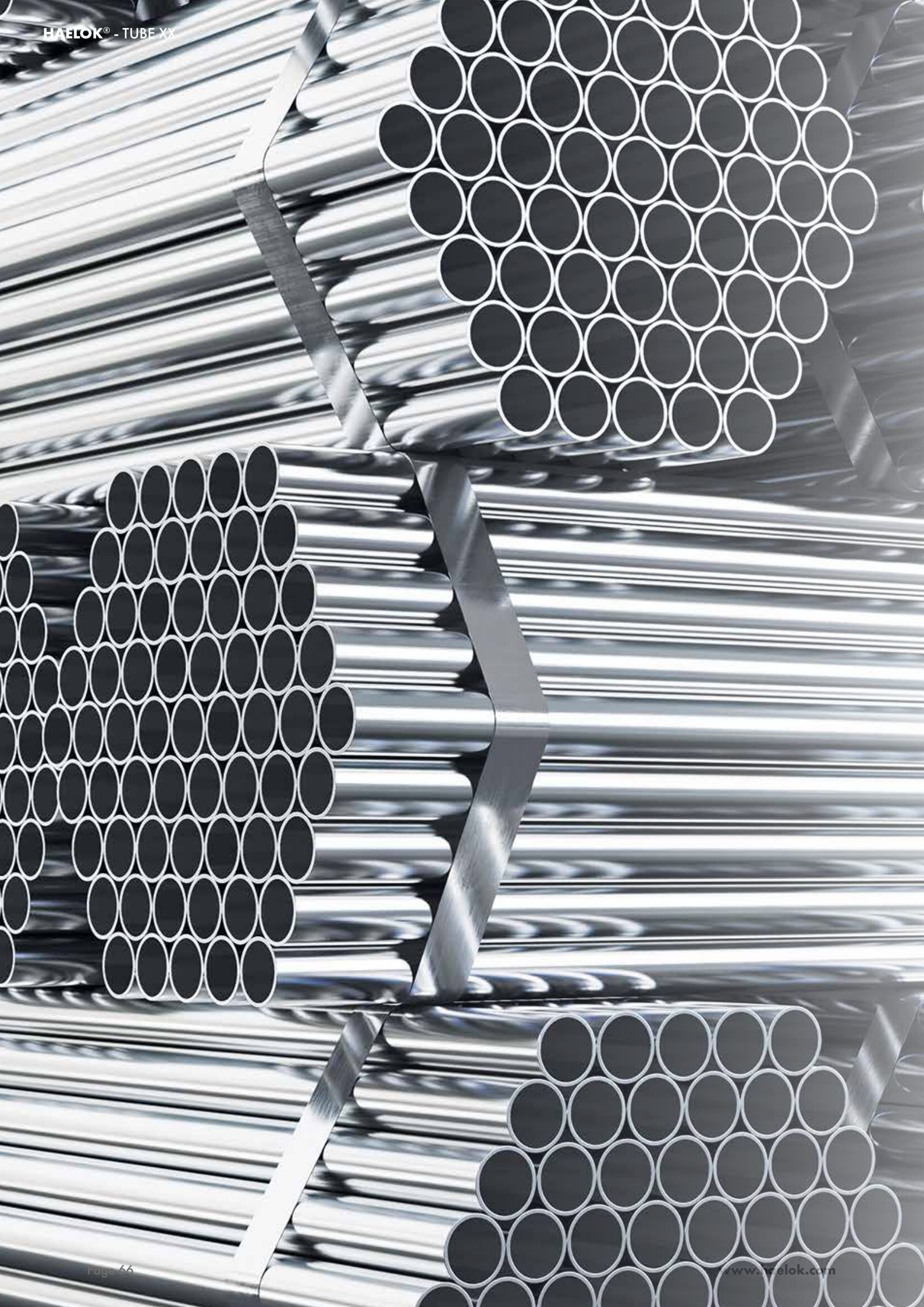
THERMO®

TECHNICAL DATA

- Temperature range from -20 °C to +300 °C
 - Nominal pressure up to 1140 bar
 - Resistant to vibration and fire
 - Flange connection according to DIN 2633
 - Can be used for seamless and welded pipes according to EN ISO 10305, EN 10220, EN 10255, ASTM A213, EN 10216-1, EN 10216-2, EN 10217-1, EN 10217-2, EN 253
 - Pipe outer diameter from 26.9 - 60.3 mm (DN 20 - DN 50)
 - Certified acc. to DNV, Bureau Veritas und DVGW
 - Compliant with DGRL until Category III application-specific
 - For detailed information by size see pages 14/15
- Scan the „ONLINE INFO“ QR code to always access the latest product data sheets, declarations of performance, and size charts.**


C-STEEL (CC) + GALVANIZED

Article No.	d	p	l	e	d2	d3	d4	d5	d6	Weight (g)	PU (pcs.)	
HLK-12FD-PN40-26-CC	¾"	20	38,9	90	25	14	75	105	20,9	58	1174	2
HLK-12FD-PN40-33-CC	1"	25	51,9	112	42	14	85	115	28,5	68	1714	2
HLK-12FD-PN40-42-CC	1 ¼"	32	60,9	114	42	18	100	140	37,2	78	2363	2
HLK-12FD-PN40-48-CC	1 ½"	40	67,9	116	42	18	110	150	43,1	88	2693	2
HLK-12FD-PN40-60-CC	2"	50	819	119	42	18	125	165	54,5	102	3419	2



HAELOK® TUBE. MATERIAL: STAINLESS STEEL (XX).

The HAELOK® TUBE XX comprises different types of high performance press fittings.

The unique tube connection system, without welding and without the use of elastomeric seals, guarantees a hermetic seal for tube diameters of ¼" to 2".

The system is specifically designed for use under vibration, high pressure and high temperature, such as in the engine rooms of ships or in elevator systems of skyscrapers.

In summary, the HAELOK® system is suitable for almost all industrial applications, different tube diameters, materials, pressures and temperature ranges as well as fluids and gases.

HAELOK®. EFFICIENT, EASY & FAST.

Material: stainless steel XX:

Enclosure: stainless steel (XX) 1.4404 (AISI 316L)

Press ring: stainless steel (XX) 1.4404 (AISI 316L)

HAELOK® TUBE

Straight Fitting HLK-21 SF



The HAELOK® fitting type „SF“ (Straight Fitting) is used for a straight connection of two tubes.
The fitting consists of a total of three completely assembled components: a base body and two press rings.

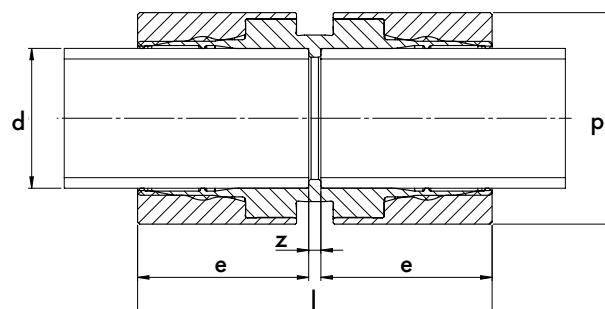


ONLINE-INFO



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from $\varnothing 1/4''$ – $\varnothing 2''$ mm
- Certified acc. to DNV, Bureau Veritas
- Compliant with DGRL until Category III (application-specific)
- Konform mit ASME B31.1 & B31.3



STAINLESS STEEL (XX)

Article No.	d	DN	mm	p	l	e	z	Weight (g)	PU (pcs.)
HLK-21 SF-T14-XX	1/4"	8	6,35	18	37	17	3	54	10
HLK-21 SF-T38-XX	3/8"	10	9,52	22	37	17	3	76	10
HLK-21 SF-T12-XX	1/2"	15	12,7	22	37	17	3	59	10
HLK-21 SF-T34-XX	3/4"	20	19,05	32	52	25	2	191	10
HLK-21 SF-T1-XX	1"	25	25,4	39	52	25	2	346	10
HLK-21 SF-T112-XX	1 1/2"	40	38,1	55	87	42	3	759	10
HLK-21 SF-T2-XX	2"	50	50,8	74	87	42	3	1394	10

Availability and other dimensions on request.

HAELOK® TUBE

Repair Fitting HLK-10SR



The HAELOK® fitting type „SR“ (Straight Repair) is used for a straight connection of two pipes. Due to the missing stop bar, the fitting can be moved over the whole pipe for repairs to be executed. The fitting consists of a total of three permanently mounted components: a base body and two press rings.



ONLINE-INFO

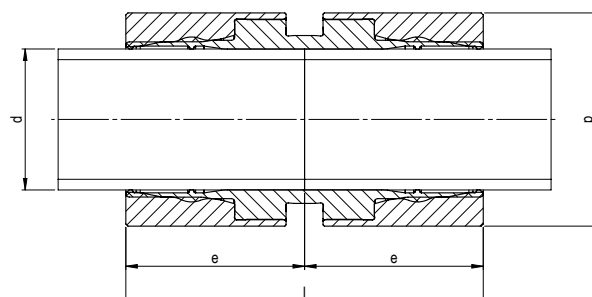


TUBE XX



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from \varnothing 10 – \varnothing 114.3 mm
- Certified acc. to DNV, Bureau Veritas & DVGW
- Compliant with DGRL until Category III (application-specific)
- Compliant with ASME B31.1 & B31.3
- For detailed information by size see pages 16/17



STAINLESS STEEL (XX)

Article No.	d	DN	mm	p	l	e	Weight (g)	PU (pcs.)
HLK-21SR-T1-XX	¼"	8	6,35	18	37	17	54	10
HLK-21SR-T38-XX	⅜"	10	9,52	22	37	17	76	10
HLK-21SR-T12-XX	½"	15	12,7	22	37	17	59	10
HLK-21SR-T34-XX	¾"	20	19,05	32	52	25	191	10
HLK-21SR-T1-XX	1"	25	25,4	39	52	25	346	10
HLK-21SR-T112-XX	1 ½"	40	38,1	55	87	42	759	10
HLK-21SR-T2-XX	2"	50	50,8	74	87	42	1394	10



HAELOK® TUBE

Elbow 90° HLK-21L90

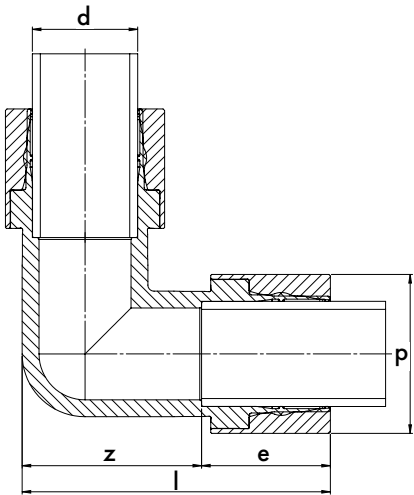
The HAELOK® fitting type „L90“ (Elbow) is used for a connection between two tubes at an angle of 90°. The fitting consists of a total of three permanently mounted components: a base body and two press rings. Special designs with unequal outlets are possible.



ONLINE-INFO

TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from $\varnothing 1\frac{1}{2}'' - \varnothing 1''$ mm
- Certified acc. to DNV, Bureau Veritas
- Compliant with DGRL until Category III (application-specific)
- Compliant with ASME B31.1 & B31.3



STAINLESS STEEL (XX)

Article No.	d	mm	p	l	e	z	Weight (g)	PU (pcs.)
HLK-21L90-T12-XX	½"	12,7	22	58	17	41	122	5
HLK-21L90-T34-XX	¾"	19,05	32	77	25	52	373	5
HLK-21L90-T1-XX	1"	25,4	39	81	25	56	605	5

Availability and other dimensions on request.

HAELOK® TUBE

Union Tee HLK-21T3

The HAELOK® fitting type „T3“ (Equal-T) is used as a connection between three tubes.
The fitting consists of a total of four fully assembled components: a base body and three press rings.
Special designs with unequal outlets (TR/T-reduced) are possible.



ONLINE-INFO

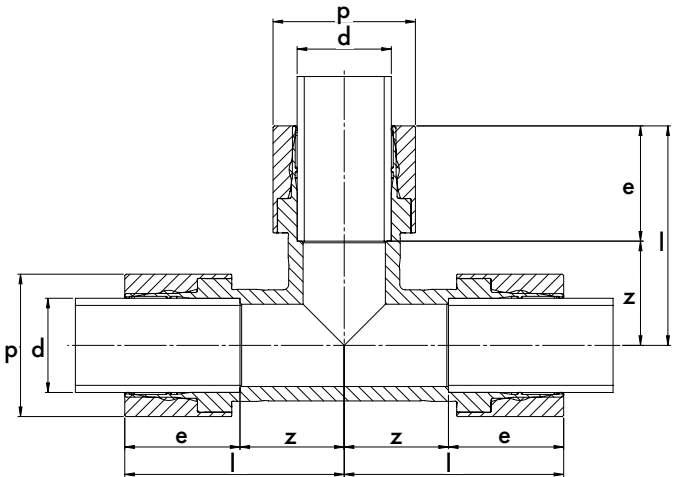


TUBE XX



TECHNICAL DATA

- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from $\varnothing 1/2''$ – $\varnothing 1''$ mm
- Certified acc. to DNV, Bureau Veritas
- Compliant with DGRL until Category III (application-specific)
- Compliant with ASME B31.1 & B31.3



STAINLESS STEEL (XX)

Article No.	d	mm	p	l	e	z	Weight (g)	PU (pcs.)
HLK-21T3-T12-XX	1/2"	12,7	22	50	17	33	177	5
HLK-21T3-T34-XX	3/4"	19,05	32	65	25	40	565	5
HLK-21T3-T1-XX	1"	25,4	39	65	25	40	714	5

Availability and other dimensions on request.



HAELOK® TUBE

External Fitting Thread (NPT) HLK- 21TE

The HAELOK® fitting type „TE“ (External Thread) is used to connect pumps or valves. In general the thread is manufactured according to type „B“ with sealing edge. The fitting consists of two completely assembled components: a base body and a press ring.



ONLINE-INFO

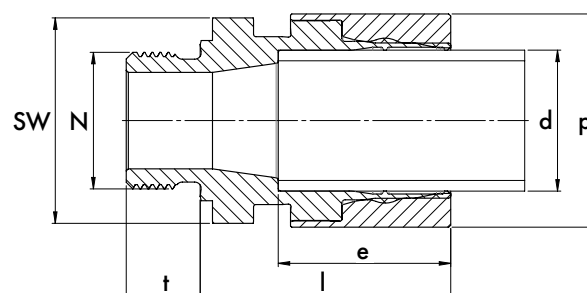


TUBE XX



TECHNICAL DATA

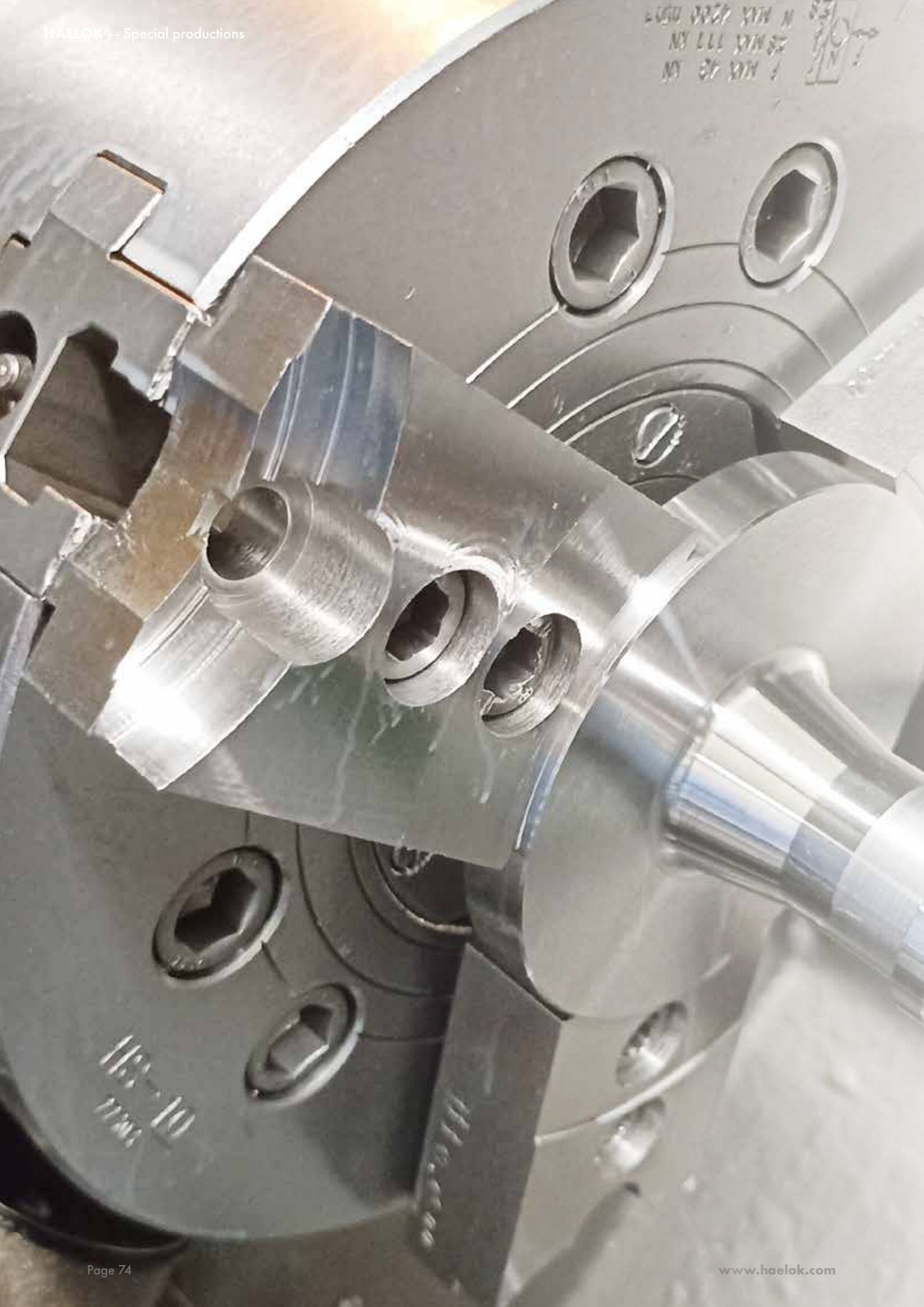
- Temperature range from -196 °C to +400 °C
- Nominal pressure up to 1140 bar
- Resistant to vibration and fire
- NPT thread
- Can be used for seamless and welded pipes according to EN ISO 10217-7, EN 10216-5, EN ISO 1127, A268, A269
- Pipe diameter from $\varnothing 1/4''$ – $\varnothing 1''$ mm
- Certified acc. to DNV, Bureau Veritas
- Compliant with DGRL until Category III (application-specific)
- Compliant with ASME B31.1 & B31.3



Stainless steel (XX)

Article No.	d	mm	N	p	l	e	t	SW	Weight (g)	PU (pcs.)
HLK-21TE-T14-N14-XX	1/4"	6,35	1/4"	18	51	17	16	27	66	5
HLK-21TE-T38-N38-XX	3/8"	9,52	3/8"	22	51	17	16	27	99	5
HLK-21TE-T12-N12-XX	1/2"	12,7	1/2"	22	61	17	18	32	174	5
HLK-21TE-T34-N34-XX	3/4"	19,05	3/4"	32	62	25	18	41	272	5
HLK-21TE-T1-N1-XX	1"	25,4	1"	39	90	25	22	50	614	5

Availability and other dimensions on request.



HAELOK® SPECIAL PRODUCTIONS.

For the special requirements of our customers, HAELOK® can manufacture custom-made products.

With competent in-house engineering and flexible manufacturing facilities, HAELOK® is capable of delivering tailored solutions at any time. Whether it's a specific thread, reducer or special angles and tees, HAELOK® can produce these in various materials and to the desired quality standards.

We also produce fittings from special steels for low-temperature systems or from special alloys for demanding environments.

Just contact us with your requirements.

HAELOK®
ALWAYS FITTING PERFECTLY.



HAELOK® TOOLS. INLAYS. ACCESSORIES.

In addition to the standard range of fittings, HAELOK® also offers the specially developed and designed press tools in four different sizes.

The customer thus receives the complete HAELOK® system from one source and directly from the manufacturers stock.

By means of exchangeable inserts (hardened tool steel) in different sizes, the HAELOK® pressing tools can be used quickly and easily without any effort. Well-packed and easy to transport thanks to the stable tool cases and suitable additional equipment in all sizes.

HAELOK® invests a lot of time and effort in the development and enhancement of its own pressing tools in order to adapt them consistently to the new requirements of the markets.

HAELOK®. ALL FROM ONE SOURCE.



Important and good to know:
HAELOK® acts as a tool partner for its customers, coordinating and prioritising maintenance with the manufacturer. Learn more on our service page

All tools can be rented and financed! For more information please contact sales@haelok.com.



www.haelok.com/en/service/

HAELOK®

Press Tool PT 0613



The press tool consists of a hard anodised housing and a maintenance-free closing mechanism. The battery-powered hydraulic unit is state-of-the-art and guarantees a perfect and carefree installation in any situation. By simply turning the horns, the press tool can cover pipe outer diameters from 6.35 to 13.5 mm. All HAELOK® press tools are tested and CE-conform.

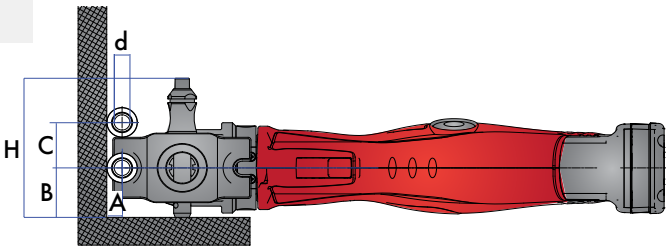
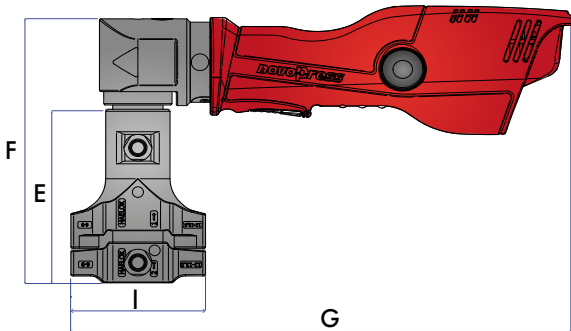


ONLINE-INFO



TECHNICAL DATA

- For pipe outer diameters from 6.35 - 13.5 mm
 - 3.6 kg in weight
 - Long service intervals - therefore low maintenance and repair costs
 - CE conformity and TÜV certification
 - Delivery in handy case Including carrying strap, charging station and two lithium-ion batteries 18V/3.0 Ah
- Each tool can be rented and financed.



PRESS TOOL SET PT 0613

Set includes: press tool, hydraulic unit, two batteries incl. charger, transport case

Article No.	d	A	B	C	E	F	G	H	I	Press time (ø,sec)	Weight (g)	PU (pcs.)
HLK-61PT-0613	6-13	7	40	28-32	129,8	197,5	358,5	112	96,5	5-10	3600	1

HAELOK®

Press Tool PT 1228



The press tool consists of a hard anodised housing and a maintenance-free closing mechanism. The battery-operated hydraulic unit is state-of-the-art and guarantees perfect and safe operation. Carefree installation in any situation. By simply changing the tool inserts, the press tool can cover pipe outer diameters from 12 to 28 mm. All HAELOK® press tools are tested and CE-conform.



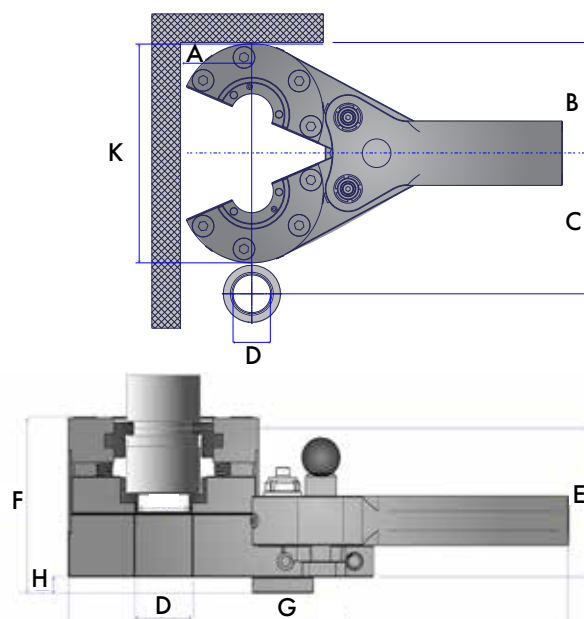
ONLINE-INFO



TECHNICAL DATA

- For pipe outer diameters from 12 - 28 mm
- 6.5 kg in weight
- Long service intervals - therefore low maintenance and repair costs
- CE conformity and TÜV certification
- Delivery in handy case Including carrying strap,
- charging station and two lithium-ion batteries 18V/3.0 Ah

Each tool can be rented and financed.



PRESS TOOL SET PT1228

Set includes: press tool, hydraulic unit, two batteries incl. charger, transport case

Article No.	d	A	B	C	E	H	F	G	D	K	K (closed tool)	Press time (ø,sec)	Weight (g)	PU (pcs.)
HLK-61 PT-1228	12-28	67	100	114-124	75,25	8	89	262,5	30	153,2	134	12-15	6800	1



HAELOK®

Press Tool PT 3060

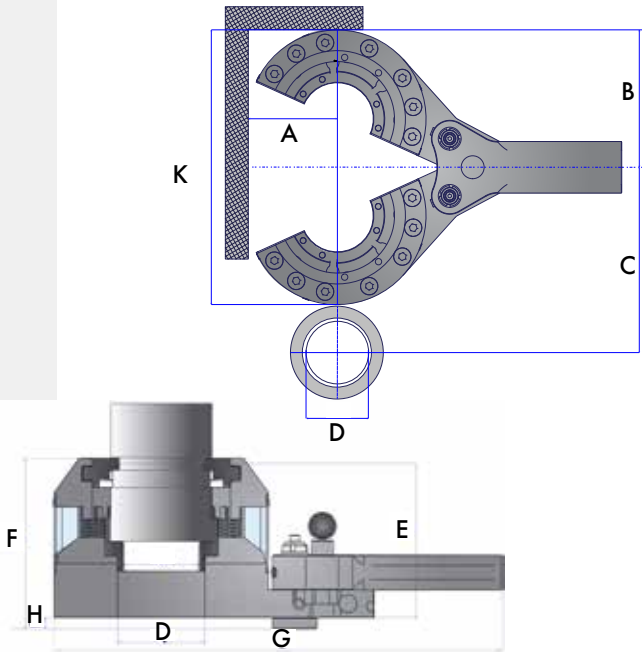
The press tool consists of a hard anodized housing and a maintenance-free closing mechanism, and the battery-powered hydraulic unit is state-of-the-art and guarantees a perfect and carefree installation in any situation. By simply changing the tool inserts, the press tool can cover pipe outer diameters from 30 to 60.3 mm. All HAELOK® press tools are CE-conform.



ONLINE-INFO

TECHNICAL DATA

- For pipe outer diameters from 30 - 60.3 mm
- 8 kg in weight
- Long service intervals - therefore low maintenance and repair costs
- CE conformity and TÜV certification
- Delivery in handy case Including carrying strap, charging station and two lithium-ion batteries 18V/3.0 Ah
- Each tool can be rented and financed.



PRESS TOOL SET PT3060

Set includes: press tool, hydraulic unit, two batteries incl. charger, transport case

Article No.	d	A	B	C	E	H	F	G	D	K	K (closed tool)	Press time (ø,sec)	Weight (g)	PU (pcs.)
HLK-61PT-3060	30-60	80	110	140-150	110,75	8	128	324	63	240	160	16-20	8000	1

HAELOK®

Press Tool PT 76114

The press tool consists of a hard anodised housing and a maintenance-free closing mechanism. The mains-operated hydraulic unit is state of the art and guarantees a perfect and carefree installation in every situation. By simply changing the tool inserts, the press tool can cover Pipe outer diameter from 76 to 114 mm. All HAELOK®-pressing tools are CE-conform.



ONLINE-INFO

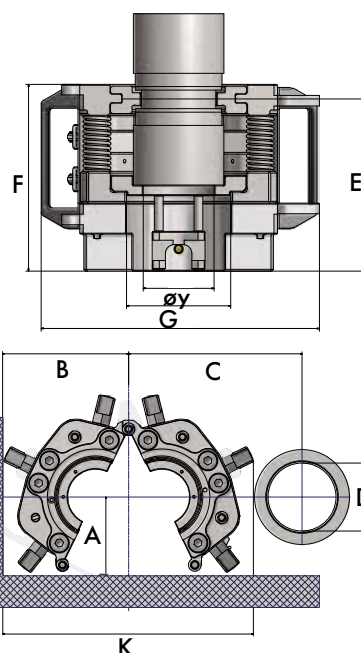


TECHNICAL DATA

- For pipe outer diameters from 76 - 114 mm
- 32 kg in weight
- Long service intervals - therefore low maintenance and repair costs
- CE conformity and TÜV certification
- Delivery in 4 handy cases
- Each tool can be rented and financed.



The alternative or addition to the press tool set for even more mobile operation: HAELOK® hydraulic battery pump HLK-61AP-KL, page 85.



PRESS TOOL SET PS76114

Set includes: press tool with 2m hydraulic hose (per side), 1x hydraulic hose 5m with distribution block, inlays (76 | 88 | 114), case

Article No.	d	A	B	C	D	F	G	øy	K	K (closed tool)	Press time (ø,sec)	Weight (kg)	PU (pcs.)
HLK-61PS-76114	76-114	137	223	192-209	195	211,5	315,2	117,95	425	321	20-30	32	1

HAELOK®

Tool inlays HLK-61 PI

Tool inserts are available for the press tools PT1228, PT3060 & PT76114 for pipe outer diameters from 12 mm to 114.3 mm. Thus, a wide range of applications can be covered with only one tool. The HAELOK® tool inlays are made of hardened steel and magnetically held in the tool.

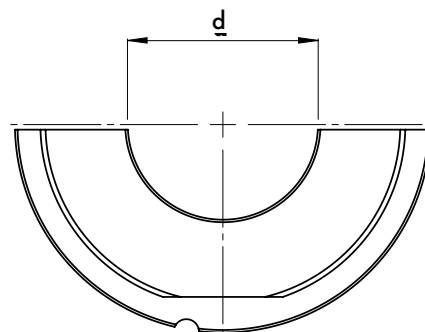


ONLINE-INFO



TECHNICAL DATA

- pipe outer diameters from 12 - 114 mm
- CE-conform and TÜV-certified
- Hardened material
- Magnetic for press tools



Inlays for Press Tool PT1228

Tool inserts for fitting sizes \varnothing 12 mm to 28 mm are available for the press tool PT1228.

Article No.	for fitting size:	DN	d	PU (pcs.)
HLK-61 PI-1213	12		16,5	Set
HLK-61 PI-1516	15,16		20,5	Set
HLK-61 PI-1718	17,18	10	22,5	Set
HLK-61 PI-20	20		24,5	Set
HLK-61 PI-2122	21,22	15	26,5	Set
HLK-61 PI-25	25		29,5	Set
HLK-61 PI-26	26	20	31,5	Set
HLK-61 PI-28	28		32,5	Set

Inlays for Press Tool PT3060

Tool inserts are available for the press tool PT3060 for pipe outer diameters from 30 - 60 mm.

Article No.	for fitting size:	DN	d	PU (pcs.)
HLK-61 PI-30	30		37,5	Set
HLK-61 PI-33	33	25	41,5	Set
HLK-61 PI-35	35		42,5	Set
HLK-61 PI-38	38		45,5	Set
HLK-61 PI-42	42	32	49,5	Set
HLK-61 PI-48	48	40	55,5	Set
HLK-61 PI-60	60	50	68	Set

Inlays for Press Tool PT76114

For the press tool PT76114, tool inserts for pipe outer diameters from 76 - 114 mm are included with the tool.

Article No.	for fitting size:	DN	d	PU (pcs.)
HLK-61 PI-76	76	65	85	Set
HLK-61 PI-88	88	80	99,2	Set
HLK-61 PI-114	114	100	128,5	Set

Please order the corresponding tool inserts separately (except PT76114): One insert (apart PI-114) consists of four parts and can easily be stored in the transport case.

Inches and metric fittings require specific press tools and corresponding inserts for proper installation.

For fittings HLK-10 and HLK-12, please contact us regarding HLK-12 fittings.

Pipe outer diameter	DN	Fitting Size	Press Tool PT 0613 6 - 13 mm	Press Tool PT 1228 12 - 28 mm Inlay set of 4	Press Tool PT 3060 30 - 60 mm Inlay set of 4	Press Tool PT 76114 76 - 114 mm Inlay
10	6	10	HLK-61 PT-0613			
12		12	HLK-61 PT-0613	HLK-61 PI-1213		
1 1/4"	8	13	HLK-61 PT-0613	HLK-61 PI-1213		
15		15		HLK-61 PI-1516		
16		16		HLK-61 PI-1516		
3/8"	10	17		HLK-61 PI-1718		
18		18		HLK-61 PI-1718		
20		20		HLK-61 PI-20		
1 1/2"	15	21		HLK-61 PI-2122		
22		22		HLK-61 PI-2122		
25		25		HLK-61 PI-25		
3/4"	20	26		HLK-61 PI-26		
28		28		HLK-61 PI-28		
30		30			HLK-61 PI-30	
1"	25	33			HLK-61 PI-33	
35		35			HLK-61 PI-35	
38		38			HLK-61 PI-38	
1 1/4"	32	42			HLK-61 PI-42	
1 1/2"	40	48			HLK-61 PI-48	
2"	50	60			HLK-61 PI-60	
2 1/2"	65	76				HLK-61 PI-76
3"	80	88				HLK-61 PI-88
4"	100	114				HLK-61 PI-114

HAELOK® ACCESSORIES

In addition to the HAELOK® tool inserts for the press tools PT0613, PT1228, PT3060 & PT76114, we also offer tool boxes, batteries, hydraulic units, high pressure hose and, for the installation of the HAELOK® fittings, a marking tool.



ONLINE-INFO



TRANSPORT CASES FOR PRESS TOOLS

Product	Article No.	Length	Width	Depth	Weight (g)	PU (Pcs.)
Transport case for PT0613	HLK-61PC-0613	446	313	110	1490	1
Transport case for PT1228	HLK-61PC-1228	571	393	160	3080	1
Transport case for PT3060	HLK-61PC-3060	571	393	160	3080	1
Transport case for PT76114 (tool)	HLK-61PC-76114-1	575	470	205	2000	1
Transport case for PT76114 (accessories)	HLK-61PC-76114-2	575	470	270	2000	1

BATTERY CHARGERS/CHARGERS

Product	Article No.	PU (pcs.)
Battery charger 12 V1,5 Ah Li-ion	HLK-61BA-15	1
Battery charger 12 V3,0 Ah Li-ion	HLK-61BA-30	1
Battery charger 230 V	HLK-61BA-CH-EU	1

MARKING TOOL

Product	Article No.	PU (pcs.)
Marking tool 10 - 60.3 mm	HLK-61MA-0660	1
Marking tool 76 - 114.3 mm	HLK-61MA-76114	1

HIGH PRESSURE HOSE DN06

Product	Article No.	Length	Operating Pressure	Connector	PU (pcs.)
PH H5	HLK-61PH-H5-01	5m	700 bar	flat sealing plug connection and plug 700 bar IGN 1/4" with protection caps	1

HYDRAULIC UNIT HA11

Product	Article No.	Length	Width	Depth	Weight (g)	PU (pcs.)
Hydraulic unit	HLK-61PC-230-V02	420	425	260	26700	1



TECHNICAL
DATA

HYDRAULICS:

- Operating pressure: 700 bar max
- Low pressure output: 4.0 l/min
- High pressure output: 0.34 l/min
- Oil volume (usable): 4.0 l
- Tank volume: 5.0 l

ELECTRIC MOTOR:

- Supply voltage: 230V/50Hz
- Engine power: 0,37kW
- Motor current: 3.7A

HAELOK®

Hydraulic cordless pump

HLK-61AP-KL



The cordless hydraulic pump is the mobile and power-independent addition to the HLK-PS76114. It is lighter and more compact than the previous mains-powered version and allows flexible use of the press tool wherever no power supply is available – ideal for changing job sites and demanding construction conditions.



ONLINE-INFO



TECHNICAL DATA

- Protection class: IP 43 – operating pressure: 700 bar
- Hydraulic oil: Rivolta S.B.H. 11
- Filled oil volume: approx. 760 ml
- Usable oil volume: approx. 740 ml
- Permissible ambient temperature: -12 °C to +40 °C
- Control voltage: 18 V DC
- Drive motor: DC permanent magnet motor
- Pump weight: approx. 4.9 kg
- Battery voltage: 18 V – battery capacity: 4 Ah
- (RAL40/BL1840(B))
- Battery charging time: 36 min. (RAL40/BL1840(B))
- Sound pressure level: < 70 dB(A) at 1 m distance
- Vibrations: < 2.5 m/s²
- (weighted root mean square acceleration value)

The HAELOK® hydraulic cordless pump HLK-61AP-KL is the alternative or addition to the press tool set HLK-61PS-76114 for even greater mobility on the job.



HYDRAULIC CORDLESS PUMP

Article No.	Scope of delivery	PU (pcs.)
HLK-61AP-KL	Hydraulic cordless pump; 2 batteries 18 V DC / 4 Ah / Li-Ion; 1 fast charger 1 hydraulic hose adapter for use with PT 76114, 2 m incl. oil; 1 carrying strap; 1 accessory bag; 1 user manual; 1 hand-held remote control	1



HAELOK® INSTALLATION GUIDE

HAELOK® offers a system for making quick, leak-free pipe connections.

The correct installation is important. The pipe connection must be able to withstand heavy loads, pressures, vibrations and temperature fluctuations. This is achieved by carefully selecting the combination of specified pipes, HAELOK® fittings and pressing tools.

Guarantee functional safety according to the assembly instructions with trained staff and always obtain the constant high quality required for the press connection.

HAELOK®. SIMPLE. PRACTICAL. CLEAN.



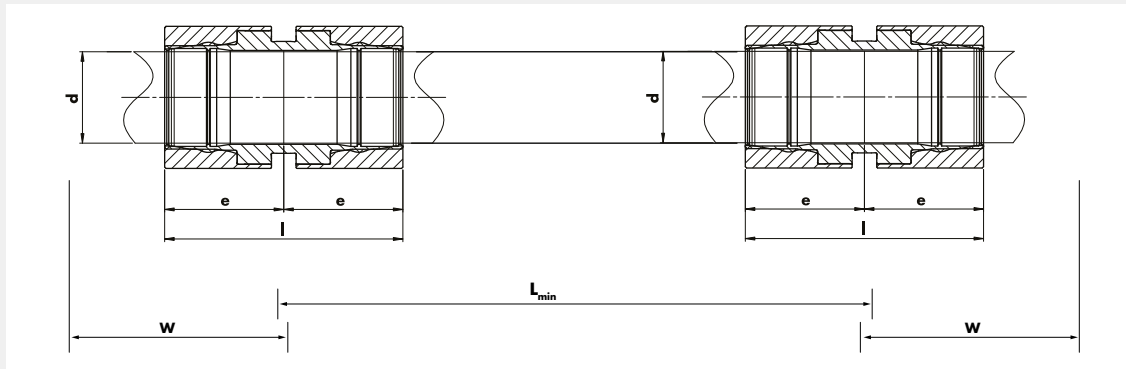
HAELOK® HANDBOOK

HAELOK® prioritises quality, extending beyond the manufacture of fittings. It is our commitment to provide all users with a solid introduction to the world of HAELOK AG connections. We conduct personalised on-site training for your employees and each participant receives their own handbook upon completion of the training.

HAELOK®. TRAINED. COMPETENT.

HAELOK® INSTALLATION DETAILS.

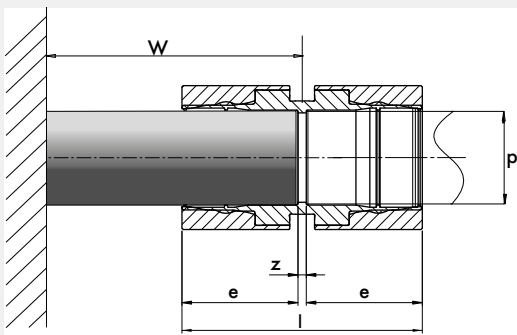
Minimum tube length for repair applications (L_{min})



Press Tool	L_{min}^*	W	l	e
PT0613	60	200	37	18,5
PT1228	116	90	52	26
PT3060	174	130	87	43,5
PT 76114	290	200	155	75,5

* L_{min} = Width of the tool before pressing

Minimum installation length for the tool (W)



Press Tool	W	l pressed	l unpressed	e	z
PT0613	200	37	46	17	3
PT1228	90	52	61	25	2
PT3060	130	87	107	42	3
PT 76114	200	155	195,5	75,5	4

*W= minimum distance of the tool from a wall

HAELOK®

APPLICATION STEPS.



1. Measure

Check pipe dimension and wall thickness and compare your values with our tolerances on pages 14-17 of this catalogue. If you have any questions, please feel free to contact us.



2. Cutting to length

Cut the pipe perpendicularly (tolerance $\pm 5^\circ$).
If you use a preinsulated pipe, strip the insulated cover.



3. Deburring and grinding

Clean the cut pipe ends inside and outside. Use sandpaper to remove loose rust, scratches and dirt. Do not use a grinder! Grind the pipe surface in the pressing area to bare metal using a pipe belt sander. Finish the grinding with a grit of at least P120 or finer.



4. Mark

Use the HAELOK® marking tool to mark the fitting position (3 marks).
If you do not have the tool on hand, you can also mark the end of the unpressed fitting so that you have a control point for a successful pressing.



5. Insert

Insert the pipe up to the inner stop of the fitting. Make sure that the insertion depth is correct.



6. Apply

Put the press tool in place, making sure that the insert of the press tool fits into the groove of the fitting. Close the tool until it locks. 3rd mark is at the tool edge.



7. Press

Now you only need to press and hold the press button on the hydraulic unit. The process stops automatically once the fitting is pressed.



**Ready! Make another visual inspection based on your marking.
The press ring is in line with the body of the fitting.
Your HAELOK® connection is ready and tight.**



Remember: fittings must be installed without torsion and stress during installation. Only trained and instructed personal are allowed to work with HAELOK® machines.



**NO HIGHLY QUALIFIED
PERSONNEL REQUIRED**

Means lower training and deployment costs
and expedited order processing.



**TRAINING IN THEORY
AND PRACTICE**

Leads to reduced injury risk and
80% faster installation time.



**ON-SITE USER
SUPPORT**

Reduces effort while
maintaining quality.

HAELOK® TRAINING AND USER SUPPORT

The HAELOK® system is the solution for starting and implementing projects without the need for weeks of training. We provide expert training, covering both theory and practice, for your entire team, partners, and/or customers. We place special emphasis on the initial application of the HAELOK® system and are happy to assist with the corresponding installations.

The HAELOK® training and user support concept promises added value through application safety and practical tips from our professionals.

Trained personnel are essential, as the user-friendly press tools ensure a secure and leak-proof connection within a minute.

HAELOK®.
SIMPLE. TRAINED. COMPETENT.





ON-SITE TRAINING – NO MATTER WHERE YOUR TEAM IS LOCATED.

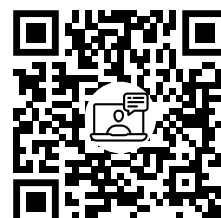
Our experts travel to your location with the necessary equipment: whether it's for an introduction to the HAELOK® system at your company premises or for the initial application directly on the construction site.



NON-BINDING INTRODUCTION AT A HAELOK® WEBINAR

Experience how the simple, permanent and maintenance-free HAELOK® press connection system sustainably accelerates pipeline construction with optimal personnel deployment.

Join one of our webinars!
All information can be found on our website.



HAELOK® PERSONALLY BEFORE, DURING AND AFTER THE INSTALLATION

HAELOK® places great importance on personal contact and feedback from users and implementers of our system. That's why we provide comprehensive training for your team, covering both theory and practice. A key focus is on the application and handling of the system, including clear instructions and the use of equipment such as press tools.

Training sessions can be conducted on-site at your location, minimising disruption to your team's duties. This approach saves time and costs. Ask for conditions and costs that apply.

Upon completion, participants undergo theoretical and practical assessments. The certification is valid for 3 years and costs 114.90 EUR per person, making it highly affordable compared to other professional training programs.



PERSONALLY TRAINED AND CERTIFIED

HAELOK® prioritises quality. Each participant receives their personal certificate upon completion of the training.

HAELOK® DESIGNATION SYSTEM SIMPLY EXPLAINED.

HLK - **AABB** - **CC** - (**DD**) - **EF**

HLK stands for HAELOK®

A: Product Line	Number
HAELOK® Standard	10
HAELOK® THERMO®	12
HAELOK® Korea Pipes	20
HAELOK® ASTM Tubes	21
HAELOK® ASTM A312 (largest tolerance)	30
HAELOK® ASTM A53, A106, A213, A268, A269	31
HAELOK® Press Tool	60
Novopress Press Tool	61

B: Type	Abbreviation
Socket, straight fitting	SF
Sliding socket, repair fitting	SR
End cap	EC
End cap with (1) outlet	E (1)
Elbow	L90
Bent pipe 90°	BP90
Bent pipe 45°	BP45
Bent pipe 30°	BP30
Equal tee	T3
Reduced tee	RE
Distributor block 1-, 2-, 4-, 6-way	D1 / D2 / D4 / D6
Socket with male thread	TE
Socket with female thread	TI
DKO male sealing with O-ring	CM
DKO female cone / thread	CF
SAE flange	FS
ASME/ANSI flange	FA
DIN flange	FD
Modular reducer	MR
Bulkhead fitting	WB
Support sleeve	SS
Press ring	PR

C: Nominal size

The nominal size refers to the required nominal outside diameter of the pipe. Decimal places are omitted without rounding (e.g., 33.7 mm becomes 33).

HLK-10SF-**48**-CC Socket 1 1/2" / 48.3mm
 HLK-10EC-**33**-XX End cap 1" / 33.7mm
 HLK-10TE-**28**-G34B-CC Fitting 28 mm with male thread G 3/4" B

For tube fittings, the nominal size is specified in inches according to the HAELOK® specification. To avoid confusion, a „T“ (for Tube) precedes the simplified inch size.

HLK-21SF-**T12**-XX Socket tube 1/2"

For ASTM fittings, the nominal size is specified in inches according to the HAELOK® specification. To avoid confusion, the simplified inch size is followed by an „N“ for NPS (National Pipe Standard). Additional letters may be used in the future to indicate other pipe standards (e.g., S = Schedule).

HLK-31SF-**12N**-CC Socket 1/2"
 HLK-31EC-**114N**-XX End cap 1 1/4"
 HLK-31TI-**34N**-N34-CC Fitting 3/4" with female thread N 3/4"

D: Additional information

The additional information field is optional and will not be displayed if unused. Possible additional options include thread specifications or reduced outlets. Threads are designated as follows:

N NPT thread, internal and external
 (NPT = National Pipe Thread)
 G Cylindrical internal & external thread (DIN ISO 228/1)
 R Tapered internal thread for sealing connections
 in the thread (DIN ISO 7/1)
 (Distributor blocks are generally designated with G)

DESIGNATION KEY FOR PRESSTOOL AND INLAYS NOVOPRESS

HLK-AABB-C

HLK stands for HAELOK®

A: Product line

Novopress Press Tool 61

B: Type

Press tool	Press Tool	PT
Press tool set	Press Set	PS
Press head	Press Head	PK
Tool inserts (set)	Inlays (set)	PI
Cordless pump	Accupump	AP

C: Nominal size

0613	6mm - 13mm
1228	12mm - 28mm
3060	30mm - 60mm
76114	76mm - 114mm

Examples:

HLK-61PT-1228 Tool PT-1228 with case,
charger and batteries

E: Material / F: Material of Press Ring

Steel	1.0570	C
Stainless Steel	1.4404	X
Stainless Steel	1.4571	X
Stainless Steel	1.4301	– (304)

HLK-10SF-33-XX	Straight fitting 33.4 mm Stainless steel body, press ring
HLK-10D2-30-G12-XX	Distributor block 30 mm, 2 outlets ½", stainless steel body, carbon steel press ring
DRW-10EC-60-X	Body of an end cap 60.3 mm in 1.4571

For designation of fittings, see also VL-2003-1
„Marking Instructions for HAELOK® Press Fittings“.

Note: For production reasons, hot-pressed parts, tees, and elbows
are labelled with shortened designations:

L22X	Elbow 22mm in 1.4404
T60C	Tee 60,3mm in 1.0570

HAELOK® CONTACT INFORMATION.



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The goods are dispatched by our own warehouse in southern Germany.



OUR SERVICE

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OUR WEBSITE



All about the HAELOK® system and HAELOK AG.

www.haelok.com



SOCIAL MEDIA



Follow us and stay informed in the world of HAELOK®.

<https://linkedin.com/company/haelok>




NEWSLETTER



Stay updated with all the news about products, services promotions and events in the world of HAELOK®.

www.haelok.com/newsletter



**HAELOK . DEVELOPER.
INNOVATOR. TRENDSETTER.**

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**AN INNOVATIVE COMPANY.
A STRONG BRAND.  HAELOK®.**



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