

Water Application



Quick Connect Couplings and Spray Nozzles



Wand Nozzle



Claw Couplings and Spray Nozzles



Claw Couplings for Drinking Water Applications



Claw Couplings for Strict Hygiene Requirements



Accessories



Table of Contents
Water Application

362 **General Information**
364 Product Overview with Plug Profiles



Quick Connect Couplings and Spray Nozzles
366 Product Information
368 Quick Connect Couplings (WaterProfi by LÜDECKE®) Series WPN DN 9 NEW!
369 Spray Nozzles (WaterProfi by LÜDECKE®) Series WSD DN 9



Wand Nozzle
370 Product Information
372 Wand Nozzle (WaterProfi by LÜDECKE®)

Registered Design



Claw Couplings and Spray Nozzles
374 Product Information
376 Claw Couplings (WaterProfi by LÜDECKE®)
377 Spray Nozzles (WaterProfi by LÜDECKE®)



Claw Couplings for Drinking Water Applications
378 Product Information
379 GEKA plus Claw Couplings for Drinking Water Applications



Claw Couplings for Strict Hygiene Requirements
380 Product Information
381 GEKA plus Claw Couplings for Strict Hygiene Requirements

Table of Contents
Water Application

Accessories

Product Information	382
Swivel Transmissions	383
Hose Screw Type Fittings	383
Fittings and Ball Valve Taps	384
Return Valves and Check Foot Valves with Strainer	385
Thread Stems with Male Thread and Hose Squeeze Nut Ferrule	385
Hose Clamps	386
Double-Ear Hose Clips	386
High-Performance Hose Clips made of Steel	387
High-Performance Hose Clips made of Stainless Steel	388
Ferrules for Low Pressure Hose Lines	389
Hand-Operated Assembly Machine	389







A Superior Product Range for Water Supply



The WaterProfi by LÜDECKE® series offers high-end and durable fittings for various water applications.

Whether for private or commercial gardening, landscaping, agriculture, food industry, for cleaning or supply services at industrial workplaces or for drinking water applications – we provide the right product for any need.

All parts are compatible with standard plug profiles and coupling systems and can be combined as desired.

Advantages:
- High-end and extremely robust materials
- Absolutely leakage-proof and durable
- Simple and intuitive to use
- Different sizes, connection and valve types
- Compatible with standard plug profiles and coupling systems

Water® Profi by LÜDECKE

Broad Range

The WaterProfi by LÜDECKE® water fittings are available in different sizes and versions.

NEW!

To further improve handling, the quick connect couplings have been thoroughly revised and optimised.

With regards to claw couplings, we offer the classic WaterProfi version as well as couplings for drinking water applications and strict hygiene requirements.

In addition to quick connect and claw couplings, the LÜDECKE water range includes a technically sophisticated wand nozzle. It ensures simple and professional watering of large areas and guarantees enormous flexibility thanks to its modular design.

Specially adapted accessories complete our range.







Materials

Brass (Plain/ Nickel-Plated)

Most of the **LÜDECKE** water fittings consist of brass MS 58 (machining brass). It is a very sturdy material which guarantees high durability and is perfectly suited for galvanization (nickel, chrome).

Chromium Steel (Similar to Stainless Steel 1.4401)

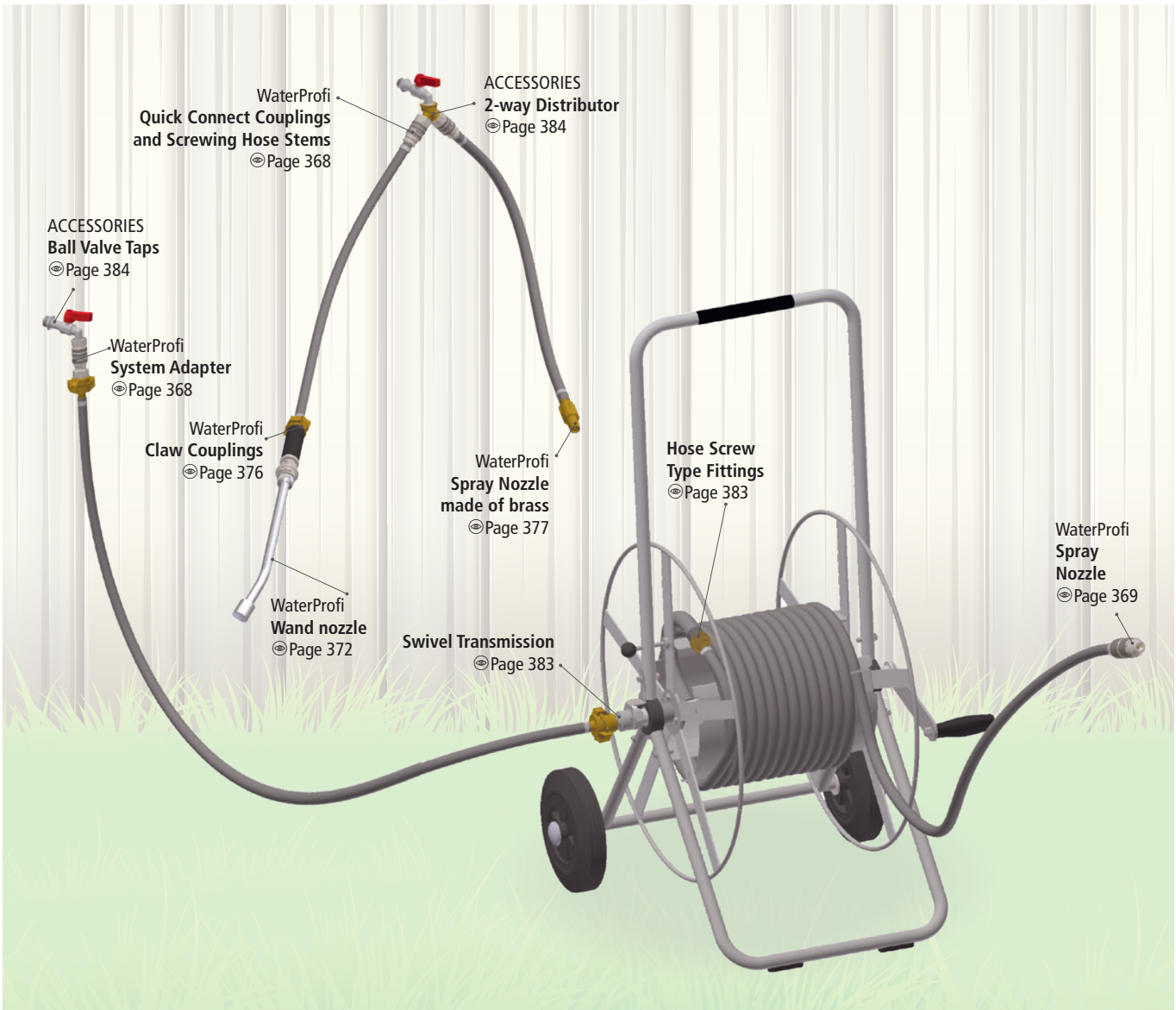
Chrome steel/ stainless steel is recommended for applications with specific hygiene regulations. This material has a special degree of purity and is suitable for the production of long-lasting and low-maintenance products.

Seals

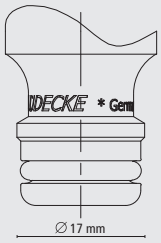
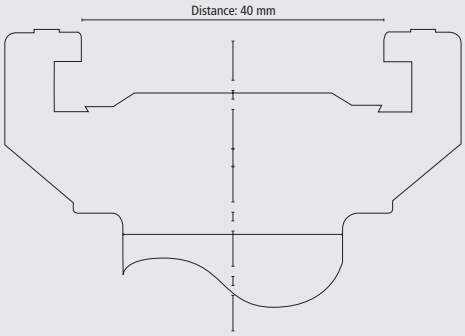
Depending on the requirement **LÜDECKE** offers various types of sealings made of NBR, FKM and EPDM.

Maximum Flexibility with Perfectly Matching Components

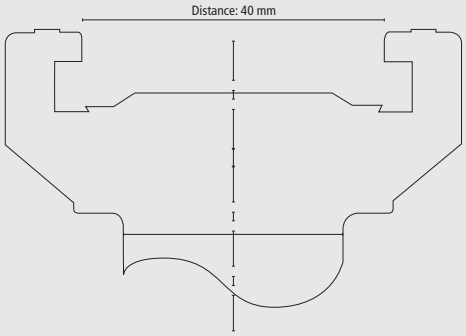
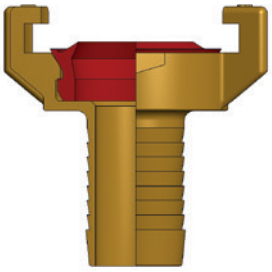
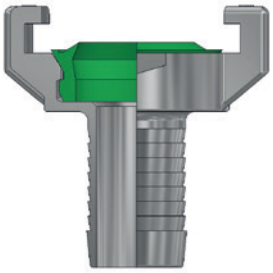
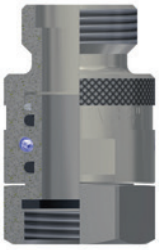
The WaterProfi by **LÜDECKE**® range allows to set up a customised and flexible water system for various applications and can be easily extended. We are happy to help you find a tailored solution.



Overview of Fittings for Water Application

	Water Profi by LUDECKE	Water Profi by LUDECKE
Series	NEW! **WPN** DN 9	**Claw Couplings**
Plug Profile (original size)		
		
		

Materials:		
Body:	MS 58 nickel-plated	Brass CW617N
Sleeve:	MS 58 nickel-plated	-
Valve body:	MS 58 nickel-plated	-
Valve:	MS 58 nickel-plated	-
Springs:	Spring Steel 1.4310	-
Balls:	Stainless Steel 1.4034	-
Seals:	NBR/ HNBR	EPDM
Plug:	MS 58 nickel-plated	-
Max. Working Pressure:	PN 16 bar	PN 25 bar
Temperature:	up to +95°C	up to +95°C
Thread types:	ISO 228	ISO 228
Type of valve:	single/ straight-through	straight-through
Operation:	One-Hand	One-Hand
Miscellaneous:	-	-
Page:	368	376

Claw Couplings for Drinking Water Applications	Claw Couplings for Strict Hygiene Requirements	Swivel Transmissions	Hose Screw Type Fittings
			
			
			
Brass CW617N	Chromium Steel similar to Stainless Steel 1.4401	MS 58 nickel-plated	MS 58 plain/ nickel-plated
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
NBR	FKM	EPDM	EPDM
-	-	-	-
PN 40 bar	PN 40 bar	PN 10 bar	PN 10 bar
-5°C – +100°C	-5°C – +100°C	up to +95°C	up to +95°C
ISO 228	ISO 228	ISO 228	ISO 228
straight-through	straight-through	straight-through	straight-through
Two-Hands	Two-Hands	Two-Hands	Two-Hands
DIN 50930/6, DIN 17660, DVGW W270, KTW approval according to D2	-	Connection straight/ 90°	-
379	381	383	383

Quick Connect Couplings and Spray Nozzles



The WaterProfi by LÜDECKE® quick connect couplings are entirely made of nickel-plated brass. This makes them more robust and wear-resistant compared to similar plastic couplings.

NEW!

To guarantee enhanced usability, the quick connect couplings have been thoroughly optimised.
For example, the new compact version is now very light in weight. The ball shut-off further improves one-hand operation and greatly facilitates your job. The smooth surfaces avoid dirt from collecting and are easy to clean.

All quick connect couplings can be combined with the WaterProfi by LÜDECKE® spray nozzle and wand nozzle.

Advantages:

- High-quality materials
- Robust, absolutely leakage-proof and durable
- Easy to couple
- Compact size and ergonomic sleeve outline
- Smooth surfaces to prevent dirt from collecting
- Wide pressure range and high flow rates
- Compatible with standard plug profiles
- Different sizes, connection and valves types

Excellent Quality for Trouble-Free Use

The quick connect couplings are ideally suited for water pipes in industrial applications, trades, gardening, landscaping or private households. Due to their one hand operation, they can be used especially in areas which require a quick and flexible way of working.



Connected in Seconds

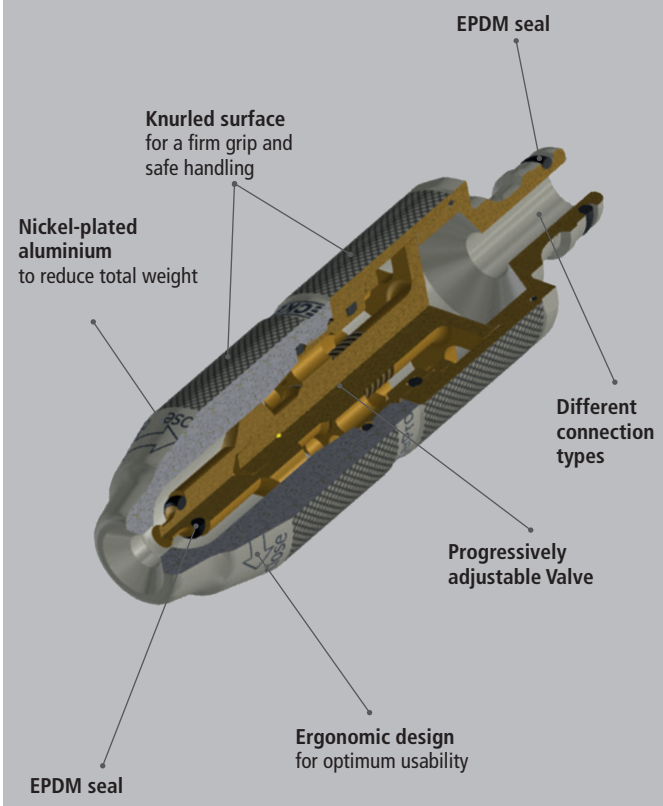
To connect, push the plug into the coupling. The locking sleeve automatically slides towards the plug and engages.



To disconnect, use one hand to hold the plug firmly. With your other hand push back the locking sleeve and pull the plug from the coupling. After disconnecting, the locking sleeve automatically slides back into its original position (when using non-valved couplings, shut off the media supply before disconnecting).

WaterProfi Spray Nozzle

The WaterProfi by LÜDECKE® spray nozzle is characterised by its innovative design and sophisticated technical features. The front part of the nozzle is made of nickel-plated aluminium to minimize weight. All other parts are made of brass. At the nozzle orifice, an additional sealing ring prevents leakages. The knurled sleeve allows for a firm grip which enables safe handling even in wet conditions.



Easy Flow Control - from Mist to Full Water Jet







The water jet can be easily adjusted or turned off by turning the front part of the nozzle without increasing the nozzle length. Thanks to the perfect interaction between the valve spindle and the inner geometrics of nozzle and nozzle valve the WaterProfi Spray Nozzle enables a fine-tuned flow control from mist to full water jet.

NEW!

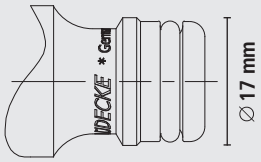
Quick Connect Couplings

Series WPN made of Brass nickel-plated

DN 9

- One-hand quick connect couplings made of brass MS 58 nickel-plated
- Easy to couple, wide pressure range, leakage-proof, durable, robust, safe and reliable
- Compact size and ergonomic sleeve outline for perfect usability
- High flow rates due to optimised passage
- Spray nozzle: water flow can be turned off, flow control from mist to full water jet
- Compatible with standard plug profiles
- Optional with straight-through or shut-off valves
- Universal one-hand quick connect coupling for water pipes in industrial applications, trades, landscaping, gardening or private household

Plug profile (original size)



Materials:

- Body, sleeve, valve body, valve, plug: Brass MS 58 nickel-plated
- Balls: Stainless steel 1.4034
- Springs: Spring steel 1.4310
- Seals: NBR/ HNBR
- Claw: Brass CW617N
- Spray nozzle: Aluminium/ Brass MS 58 nickel-plated

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 16 bar	up to +95°C	9	ISO 228	One-hand	single/ straight-through	Water	5



Couplings with hose barb

Hose connection	L	D	L1	Weight	Type No. w/o valve	Type No. w. valve
Hose i.D. 13	64	28	22.5	111	WPN 13 T	WPN 13 TAB
Hose i.D. 16	64	28	22.5	115	WPN 16 T	WPN 16 TAB
Hose i.D. 19	64	28	22.5	128	WPN 19 T	WPN 19 TAB
Hose i.D. 25	64	28	22.5	135	WPN 25 T	WPN 25 TAB



Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No. w/o valve	Type No. w. valve
G 1/2 f	53	24	28	10	125	WPN 12 I	WPN 12 IAB
G 3/4 f	53	30	28	10	131	WPN 34 I	WPN 34 IAB



Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No. w/o valve	Type No. w. valve
G 1/2 m	58	24	28	10	130	WPN 12 A	WPN 12 AAB
G 3/4 m	58	30	28	10	130	WPN 34 A	WPN 34 AAB



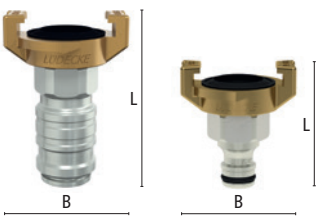
Couplings with hose squeeze nut

Hose connection	L	D	L1	Weight	Type No. w/o valve	Type No. w. valve
Hose 13x3	58	28	18	140	WPN 13 TQ	WPN 13 TQAB
Hose 19x4	58	28	18	174	WPN 19 TQ	WPN 19 TQAB



Screwing hose stems (for combination with WaterProfi couplings with female thread)

Thread connection	Hose connect.	L	L1	L2	Passage	Weight	Type No.
G 3/4 m	Hose i.D. 13	31	22.5	9	10	30	WPN 13 GT
G 3/4 m	Hose i.D. 16	31	22.5	9	13	31	WPN 16 GT
G 3/4 m	Hose i.D. 19	31	22.5	9	15	40	WPN 19 GT
G 3/4 m	Hose i.D. 25	31	22.5	9	19	48	WPN 25 GT



System Adapter Claw Coupling - Quick Connect Coupling

Connection	L	B	Weight	Type No.
WaterProfi Claw Coupling - Coupling WPN DN 9	73	54.2	254	WPNK-WPA
WaterProfi Claw Coupling - Plug WPN DN 9	59.5	54.2	160	WPNS-WPA

WaterProfi® by LÜDECKE

Quick Connect Couplings

made of Brass nickel-plated Series WPN

NEW!

DN 9

Plugs with hose barb						
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 13	49	24	22.5	24	51	WPN 13 S
Hose i.D. 16	49	24	22.5	24	44	WPN 16 S
Hose i.D. 19	49	24	22.5	24	51	WPN 19 S
Hose i.D. 25	49	27	22.5	24	69	WPN 25 S



Plugs with female thread (with female thread sealing ring)						
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/2 f	38	27	10	24	70	WPN 12 NI
G 3/4 f	38	30	10	24	68	WPN 34 NI
G 1 f	38	36	10	24	77	WPN 10 NI



Plugs with male thread						
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/2 m	40	24	10	24	55	WPN 12 NA
G 3/4 m	41	30	10.5	24	76	WPN 34 NA



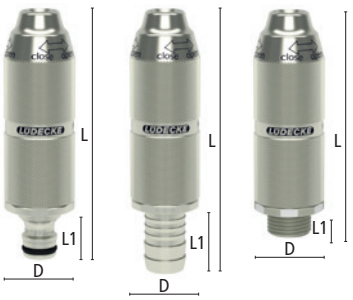
Plugs with hose squeeze nut						
Hose connection	L	SW	L1	L2	Weight	Type No.
Hose 13x3	48	19	12	24	103	WPN 13 SQ
Hose 19x4	51	19	12.5	24	121	WPN 19 SQ



System Adapter						
Connection	L	D	L1	L2	Weight	Type No.
DN 9 - DN 9	52	24	24	24	70	WPNA



Spray Nozzle with plug-/hose connection/-male thread							
Connection	L	D	L1	Passage		Weight	Type No.
Plug WaterProfi	118	33	24	6.5	1	308	WSD-S
Hose i.D. 13	126	33	32	6.5	1	302	WSD 13 T
Hose i.D. 16	126	33	32	6.5	1	303	WSD 16 T
Hose i.D. 19	126	33	32	6.5	1	312	WSD 19 T
Hose i.D. 25	126	33	32	6.5	1	328	WSD 25 T
G 1/2 m	106	33	12	6.5	1	297	WSD 12 A



WaterProfi® by LUDECKE

Wand Nozzle



In nurseries, commercial landscaping or private gardens:
in these areas, products are required which enable easy and thorough watering of beds and green areas.
At the same time, working should be created as simple as possible.

This is what the WaterProfi by LÜDECKE® wand nozzle offers: targeted and extensive watering with minimal effort and maximal comfort.
Thanks to its modular design, the wand nozzle can easily be customised. For this purpose, different spray heads, tube lengths and connection types are available. The handle made of soft PVC neutralises temperature fluctuations making gloves unnecessary. Due to its comfortable surface material and ergonomic design, the wand nozzle is comfortable to hold even after long use.

Sophisticated dispensing system using slide valve technology

The highlight of the WaterProfi by LÜDECKE® wand nozzle is the slide valve technology. This means the waterjet can be adjusted smoothly by simply sliding the sleeve on the handle. The sleeve remains at the set position and relieves your hand during continuous spraying.

WaterProfi® by LÜDECKE

Convincing Performance

High-quality	Ergonomic	Flexible
• Robust and durable wand nozzle providing high range • Sophisticated technology of the handle (slide valve technology)	• Handle made of soft PVC (pearl structure): The Wand Nozzle is comfortable to hold and neutralizes temperature fluctuations (when cold or hot water passes through) • Light weight – for extended and comfortable use	• Interchangeable components • Connecting types compatible with standard plug profiles and coupling systems

High-Quality Components

Spray head in several sizes
(Ø 30/ Ø 52 mm)
and with different bores
(Ø 0.7/ Ø 1.0 mm)



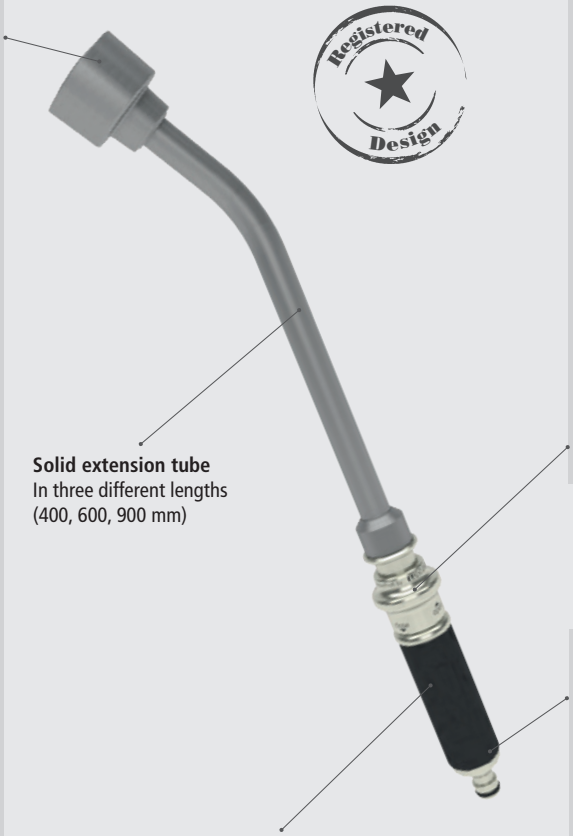
Ø 52 mm, Bore 1.0 mm



Ø 52 mm, Bore 0.7 mm



Ø 30 mm, Bore 1.0 mm



Solid extension tube
In three different lengths
(400, 600, 900 mm)

Slide valve technology (registered design): water volume can be smoothly adjusted

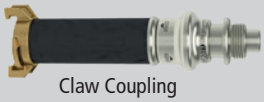




Different connection types
for great flexibility



Female Thread



Claw Coupling



Plug System WPN DN 9

Sieve in Handle
Dirt protection



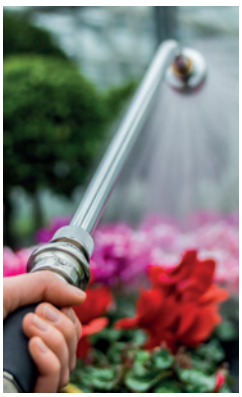
Highly Versatile

The WaterProfi by LÜDECKE® wand nozzle is highly versatile and adjusted to different needs.









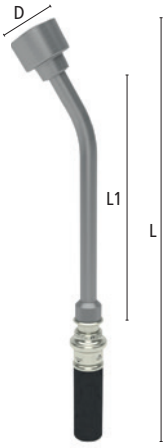
Wand Nozzle

- Adjustable wand nozzle with one-hand operation and spray head up to 60 l flow rate
- Sophisticated dispensing system using slide valve technology
- Various spray heads, tube lengths and connectors
- Soft and comfortable handle
- Sieve in handle protects against dirt
- For commercial landscaping and private gardens, tree nurseries, etc.

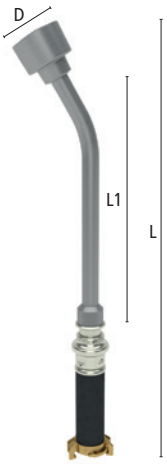
Materials:

- Body: Brass MS 58 and aluminium galvanic nickel-plated
- Slide valve: Brass galvanic nickel-plated
- Casting tube, spray head: Aluminium
- Seals: FKM
- Handle: Soft PVC
- Plug: Brass MS 58 nickel-plated
- Claw coupling: Brass CW617N

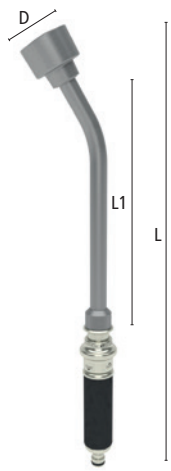
Max. Working Pressure	Temperature	Thread	Media	
PN 16 bar	up to +95°C	ISO 228	Water	1



Wand Nozzle with female thread G 3/4"- ISO 228					
Thread connection	**L**	**D**	**L1**	**Ø Bores**	**Type No.**
G 3/4 f	600	30	400	1.0	GG 403010 34I
G 3/4 f	800	30	600	1.0	GG 603010 34I
G 3/4 f	1100	30	900	1.0	GG 903010 34I
Thread connection	**L**	**D**	**L1**	**Ø Bores**	**Type No.**
G 3/4 f	600	52	400	0.7	GG 405207 34I
G 3/4 f	800	52	600	0.7	GG 605207 34I
G 3/4 f	1100	52	900	0.7	GG 905207 34I
Thread connection	**L**	**D**	**L1**	**Ø Bores**	**Type No.**
G 3/4 f	600	52	400	1.0	GG 405210 34I
G 3/4 f	800	52	600	1.0	GG 605210 34I
G 3/4 f	1100	52	900	1.0	GG 905210 34I
Slide valve can be regreased if necessary					



Wand Nozzle with Claw Coupling					
Connection	**L**	**D**	**L1**	**Ø Bores**	**Type No.**
Claw Coupling	600	30	400	1.0	GG 403010 GKA
Claw Coupling	800	30	600	1.0	GG 603010 GKA
Claw Coupling	1100	30	900	1.0	GG 903010 GKA
Connection	**L**	**D**	**L1**	**Ø Bores**	**Type No.**
Claw Coupling	600	52	400	0.7	GG 405207 GKA
Claw Coupling	800	52	600	0.7	GG 605207 GKA
Claw Coupling	1100	52	900	0.7	GG 905207 GKA
Connection	**L**	**D**	**L1**	**Ø Bores**	**Type No.**
Claw Coupling	600	52	400	1.0	GG 405210 GKA
Claw Coupling	800	52	600	1.0	GG 605210 GKA
Claw Coupling	1100	52	900	1.0	GG 905210 GKA
Slide valve can be regreased if necessary					



Wand Nozzle with Plug WPN DN 9					
Connection	**L**	**D**	**L1**	**Ø Bores**	**Type No.**
Plug WPN DN 9	600	30	400	1.0	GG 403010 WS
Plug WPN DN 9	800	30	600	1.0	GG 603010 WS
Plug WPN DN 9	1100	30	900	1.0	GG 903010 WS
Connection	**L**	**D**	**L1**	**Ø Bores**	**Type No.**
Plug WPN DN 9	600	52	400	0.7	GG 405207 WS
Plug WPN DN 9	800	52	600	0.7	GG 605207 WS
Plug WPN DN 9	1100	52	900	0.7	GG 905207 WS
Connection	**L**	**D**	**L1**	**Ø Bores**	**Type No.**
Plug WPN DN 9	600	52	400	1.0	GG 405210 WS
Plug WPN DN 9	800	52	600	1.0	GG 605210 WS
Plug WPN DN 9	1100	52	900	1.0	GG 905210 WS
Slide valve can be regreased if necessary					

Wand Nozzle

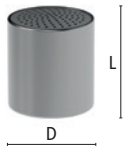
Handle with slide valve for Wand Nozzle

Thread connection	L	D	L1	L2		Weight	Type No.
G 3/4 f - G 3/4 m	182	40	8	22	1	348	GG HS
Slide valve can be regreased if necessary							



Spray Head - small version

Thread connection	L	D	Ø Bores		Weight	Type No.
G 3/4 f	35	30	1.0	5	33	GGK 3010



Spray Head - large version

Thread connection	L	D	Ø Bores		Weight	Type No.
G 3/4 f	51	52	0.7	5	55	GGK 5207
G 3/4 f	51	52	1.0	5	61	GGK 5210



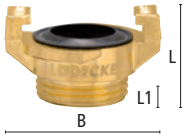
Casting Tube

Thread connection	L		Weight	Type No.
G 3/4 m - G 3/4 f	400	1	75	GGR 400-34
G 3/4 m - G 3/4 f	600	1	120	GGR 600-34
G 3/4 m - G 3/4 f	900	1	166	GGR 900-34



WaterProfi Claw Coupling with male thread

Thread connection	L	B	L1	Passage		Weight	Type No.
G 3/4 m	32	53.5	10.5	20	10	100	GKA 34



WaterProfi Plug with male thread (Series WPN DN 9)

Thread connection	L	SW	L1	L2		Weight	Type No.
G 3/4 m	41	30	10.5	24	5	76	WPN 34 NA



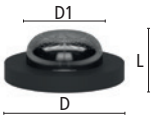
Screwing hose stems for hose connection

Thread connect.	Hose connect.	L	L1	L2	Passage		Weight	Type No.
G 3/4 m	Hose i.D. 13	31	22.5	9	10	5	30	WPN 13 GT
G 3/4 m	Hose i.D. 16	31	22.5	9	13	5	31	WPN 16 GT
G 3/4 m	Hose i.D. 19	31	22.5	9	15	5	40	WPN 19 GT
G 3/4 m	Hose i.D. 25	31	22.5	9	19	5	48	WPN 25 GT



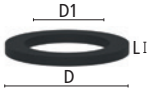
Sieve

Resistance	L	D	D1	Material	Temp°C	Media	Colour	Shore A		Weight	Type No.
Water	9	25	16	NBR	up to +95	Water	black	70°	10	4	GG-SIEB 34



O-ring for female thread

Resist.	Con.	L	D	D1	Material	Temp°C	Media	Colour	Shore A		Weight	Type No.
Water	3/4 f	2	26	18	EPDM	up to +95	Water	black	65°	100	1	GDRG 34



Claw Couplings



The WaterProfi by **LÜDECKE**® claw couplings are entirely made of brass making them very durable and wear-resistant.

Additionally, the couplings are extremely weather and temperature resistant and guarantee a particularly secure grip. WaterProfi claw couplings are compatible with all common water claw couplings with a claw distance of 40 mm.

The couplings can be easily combined with the matching classic WaterProfi spray nozzle and the wand nozzle.

Advantages:

- Robust, safe and reliable
- Easy to couple
- High pressure and vacuum range, reduced tilting moment
- Maximum passage through perfect wall thickness
- Ergonomically formed claws, safety notches against accidental loosening
- Extra protection due to MODY-safety-screwing-claw coupling
- Compatible with standard coupling systems
- Different sizes and connection types

Top Quality for Trouble-Free Working

The WaterProfi by **LÜDECKE**® Claw Couplings are especially suitable for applications with high water pressure or for rough working conditions. To ensure a perfect grip, we recommend using the MODY-safety-screwing-claw coupling. It has a locking nut which can be manually tightened and prevents the coupling halves from loosening.



Connected in Seconds

Push the two couplings together at 180° degrees opposite to each other until the seal faces touch. Afterwards, rotate one coupling half as far as it will go into the opposite direction of the other - the couplings lock into place.

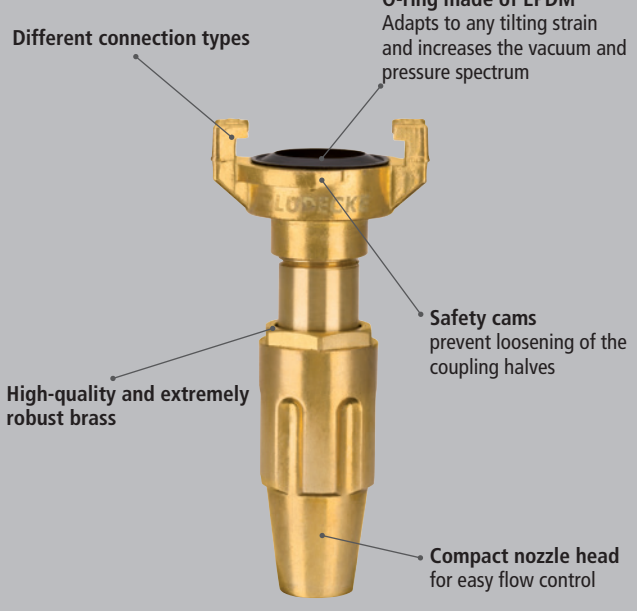




To disconnect, push the coupling and the counterpart together in axial direction. Afterwards, turn one coupling half as far as possible in the opposite direction as you would do when connecting and remove it from the counterpart.

The Classic WaterProfi Spray Nozzle

The WaterProfi series offers further premium spray nozzles. They are conically metal sealed and – depending on the application and requirements – available with hose connection or claw coupling.





Easy Flow Control - from Mist to Full Water Jet





By twisting the nozzle head, the spray nozzle allows for perfect flow control with smooth transition from mist to full water jet.

Claw Couplings

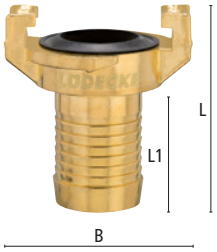
made of Brass for Water

- Claw Couplings made of forged brass CW617N
- Easy to couple, high pressure and vacuum range, reduced tilting moment
- Maximum passage through perfect wall thickness as well as safe and hose-friendly hose barbs
- Ergonomically formed claws, safety notches against accidental loosening
- High-performance O-ring made of EPDM with perfect elasticity and resistance
- Compatible with all common water claw couplings with a claw distance of 40 mm
- O-ring compatible with most common sealing rings
- Spray Nozzle: can be turned off, flow control from mist to full water jet
- Universal coupling for water pipes in industrial applications, construction, trades, agriculture or private household

Materials:

- Claw, connector: Brass CW617N
- Seals: EPDM

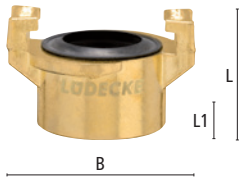
Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 25 bar	up to +95°C	ISO 228	40 mm	Water	10



Claw Couplings with hose barb

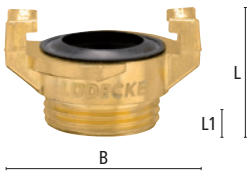
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 10	50	53.5	28	7.5	93	GSK 10
Hose i.D. 13	50	53.5	28	10.5	94	GSK 13
Hose i.D. 16	54	53.5	32	13.5	102	GSK 16
Hose i.D. 19	54	53.5	32	16.5	102	GSK 19
Hose i.D. 25	58	53.5	36	21.5	125	GSK 25
Hose i.D. 32	70	53.5	49	23	176	GSK 32
Hose i.D. 38	73	53.5	49	23	209	GSK 38

For hose clips type HS (page 387), type ZOS (page 386), or crimping ferrules type LPH (page 389)



Claw Couplings with female thread and thread sealing ring

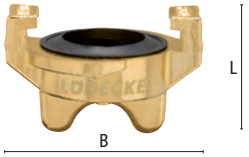
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/4 f	31.5	53.5	7.5	8	96	GKI 14
G 3/8 f	31.5	53.5	7.5	11	95	GKI 38
G 1/2 f	31.5	53.5	7.5	14	97	GKI 12
G 3/4 f	32.5	53.5	8	19	102	GKI 34
G 1 f	33	53.5	9	23	115	GKI 10
G 1 1/4 f	37	53.5	11	23	143	GKI 54
G 1 1/2 f	38	53.5	11.5	23	177	GKI 15



Claw Couplings with male thread

Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/4 m	32	53.5	10	8	89	GKA 14
G 3/8 m	32	53.5	9.5	11.5	97	GKA 38
G 1/2 m	32	53.5	10	15	96	GKA 12
G 3/4 m	32	53.5	10.5	20	100	GKA 34
G 1 m	32	53.5	10	23	104	GKA 10
G 1 1/4 m	36	53.5	15	23	132	GKA 54
G 1 1/2 m	36	53.5	15	23	163	GKA 15

Male thread sealing with PVC washer type HPD (page 212)



Claw Coupling with plain end

Version	L	B	Weight	Type No.
without chain	37	53.5	103	GKO



Original Rubber Ring for Water Claw Couplings, LÜDECKE WaterProfi and all Standard Water Claw Couplings

(not for GEKA plus)

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	12	35	23.5	EPDM	up to +95	Water	black	70°	100	6	GKOR

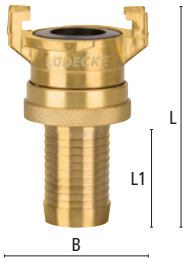
Claw Couplings and Spray Nozzles

made of Brass for Water

MODY-Safety-Screwing-Claw Couplings with hose barb

Hose connection	L	B	L1	Passage		Weight	Type No.
Hose i.D. 13	77	53.5	42	10	5	190	**GSSG 13**
Hose i.D. 19	82	53.5	42	16.5	5	215	**GSSG 19**
Hose i.D. 25	86	53.5	42	20	5	270	**GSSG 25**

For hose clips type HS (page 387), type ZOS (page 386), or crimping ferrules type LPH (page 389)
Thread types on request (GSSGA 34 in stock)



Original Rubber Ring with support ring for MODY-Safety-Screwing-Claw Couplings made of brass

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A	Weight	Type No.
Water	7	33.5	21.5	NBR/ Brass	up to +95	Water	black	65°	6	**GSGOR-Set**



Classic WaterProfi Spray Nozzles made of brass – conical sealing brass to brass (PN 10 bar)

Hose connection	L	Ø Nozzle bore	Weight	Type No.
Hose i.D. 13	100	5	115	**SDT 13**
Hose i.D. 19	112	6.5	245	**SDT 19**
Hose i.D. 25	125	7	370	**SDT 25**

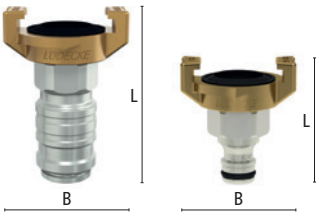


Connection	L	Ø Nozzle bore	Weight	Type No.
Claw Coupling	98	5	220	**SDK 12**
Claw Coupling	113	6.5	310	**SDK 34**
Claw Coupling	121	7	410	**SDK 10**



System-Adapter Claw Coupling - Quick Connect Coupling

Connection	L	B	Weight	Type No.
WaterProfi Claw Coupling - Coupling WPN DN 9	73	54.2	254	**WPNK-WPA**
WaterProfi Claw Coupling - Plug WPN DN 9	59.5	54.2	160	**WPNS-WPA**



GEKA plus Claw Couplings
for Drinking Water Applications



The GEKA plus claw couplings made of forged brass are the perfect all-rounders for drinking water applications.

These products are approved according to DIN 50930/6 and DIN 17660. Moreover, these claw couplings have a patented high-performance rubber ring made of NBR with excellent elastic properties as well as a KTW approval according to D2 and long-term test result DVGW W270.

DVGW tested and approved

Advantages:
- Easy to couple
- High pressure and vacuum range, reduced tilting moment
- Maximum passage through perfect wall thickness
- Safe and hose-friendly hose barbs
- Ergonomically formed claws, safety notches against accidental loosening
- Different sizes and connection types

Easy Handling - Safe and Firm Grip







GEKA plus claw couplings are connected the same way as WaterProfi by LÜDECKE® claw couplings. Push the two couplings together at 180° degrees opposite to each other until the seal faces touch. Afterwards, rotate one coupling half as far as it will go into the opposite direction of the other - the couplings lock into place.

GEKA plus Claw Couplings

made of Brass for Drinking Water Applications

- Claw Couplings made of forged brass CW617N, DIN 50930/6 and DIN 17660
- Easy to couple, high pressure and vacuum range, reduced tilting moment
- Maximum passage through perfect wall thickness as well as safe and hose-friendly hose barbs
- Ergonomically formed claws, safety notches against accidental loosening
- Patented high-performance rubber ring made of NBR with excellent elastic properties
- DVGW-Test-Certified, Reg. Nr. DW-0310BT0218
- According to DIN 50930/6, DIN 17660, DVGW-W270, KTW approved according to D2
- Universal coupling for drinking water pipes

DVGW tested and approved

DVGW W270/ KTW

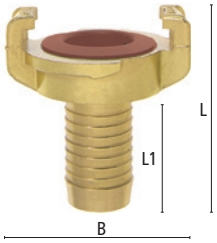
Materials:
- Claw, connector: Brass CW617N
- Seals: NBR

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 40 bar	-5°C – +100°C	ISO 228	40 mm	Water	10

KTW Claw Couplings GEKA plus with hose barb

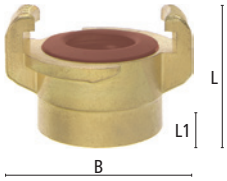
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	49.5	53.5	28	10	71	GSK 13-KTW
Hose i.D. 19	53.5	53.5	32	17	100	GSK 19-KTW
Hose i.D. 25	57.5	53.5	37	21.5	119	GSK 25-KTW

For hose clips type HS (page 387), type ZOS (page 386), or crimping ferrules type LPH (page 389)



KTW Claw Couplings GEKA plus with female thread and thread sealing ring

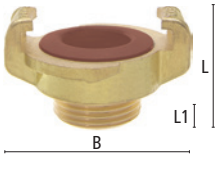
Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 f	31	53.5	9.5	11	94	GKI 38-KTW
G 1/2 f	31	53.5	9.5	14	94	GKI 12-KTW
G 3/4 f	32	53.5	10.5	19	90	GKI 34-KTW
G 1 f	33	53.5	11	23	100	GKI 10-KTW



KTW Claw Couplings GEKA plus with male thread

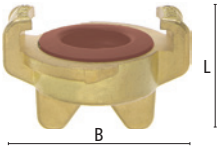
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 m	31	53.5	8	15	85	GKA 12-KTW
G 3/4 m	32	53.5	8	20	91	GKA 34-KTW
G 1 m	31	53.5	8	23	90	GKA 10-KTW

Male thread sealing with PVC sealing ring type HPD (page 212)



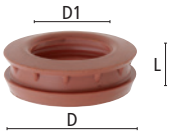
KTW Claw Coupling GEKA plus with plain end

Version	L	B	Weight	Type No.
without chain	35	53.5	90	GKO-KTW



Original Rubber Ring for GEKA plus Couplings KTW approved for drinking water according to directive DIN 50930/6

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	10.8	33.5	20.5	NBR	-30 – +90	Water	brown	65°	10	5	GKOR-KTW



Original Rubber Ring for GEKA plus-Couplings (not for WaterProfi)

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	10.8	33.5	20.5	NBR	-30 – +90	Water	black	65°	100	4	GKOR-N



GEKA plus Claw Couplings
for Strict Hygiene Requirements



GEKA plus Claw Couplings made of chromium steel are the universal couplings for applications in the chemical industry, for water, lye and different aggressive media as well as strict hygiene requirements.

The products have a patented high-performance sealing ring made of FKM with excellent elasticity properties.
Depending on the application, we recommend hose clips or clamps for fixation.

Advantages:
- Easy to couple, high pressure and vacuum range, reduced tilting moment
- Maximum passage through perfect wall thickness
- Safe and hose-friendly hose barbs
- Ergonomically formed claws
- Safety notches against accidental loosening
- Different sizes and connection types

Easy Handling – Safe and Firm Grip







GEKA plus claw couplings are connected the same way as WaterProfi by **LÜDECKE**® claw couplings. Push the two couplings together at 180° degrees opposite to each other until the seal faces touch. Afterwards, rotate one coupling half as far as it will go into the opposite direction of the other - the couplings lock into place.

GEKA plus Claw Couplings

made of Chromium Steel for Applications with Strict Hygiene Requirements

strict hygiene requirements

- High-quality couplings made of chromium steel similar to Stainless Steel 1.4401
- Easy to couple, high pressure and vacuum range, reduced tilting moment
- Maximum passage through perfect wall thickness as well as safe and hose-friendly hose barbs
- Ergonomically formed claws, safety notches against accidental loosening
- Patented high-performance rubber ring made of FKM (DIN ISO 1629) with excellent elastic properties
- Universal coupling for applications in the chemical industry for water, lye or aggressive media

Materials:
- Claw, connector: Chromium steel similar to Stainless steel 1.4401
- Seals: FKM

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 40 bar	-5°C – +100°C	ISO 228	40 mm	Water / Lye	5

Claw Couplings GEKA plus with hose barb

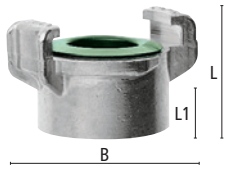
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	50	53.5	28	10	89	**GSK 13 SS**
Hose i.D. 19	52.5	53.5	32	17	92	**GSK 19 SS**
Hose i.D. 25	57.5	53.5	37	21.5	117	**GSK 25 SS**

For hose clips type SLE (page 386), type HSE (page 388)



Claw Couplings GEKA plus with female thread and thread sealing ring

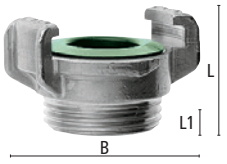
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 f	30.5	53.5	9.5	14	82	**GKI 12 SS**
G 3/4 f	31.5	53.5	10.5	19	88	**GKI 34 SS**
G 1 f	32.5	53.5	11	23	100	**GKI 10 SS**



Claw Couplings GEKA plus with male thread

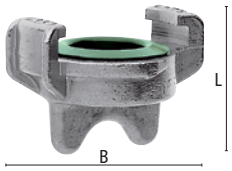
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 m	30.5	53.5	8	15	80	**GKA 12 SS**
G 3/4 m	33	53.5	8	20	91	**GKA 34 SS**
G 1 m	31	53.5	8	23	86	**GKA 10 SS**

Male thread sealing with PVC sealing ring type HPD (page 212)



Claw Coupling GEKA plus with plain end

Version	L	B	Weight	Type No.
without chain	36.5	53.5	85	**GKO SS**



Original Rubber Ring for GEKA plus Claw Couplings made of chromium steel

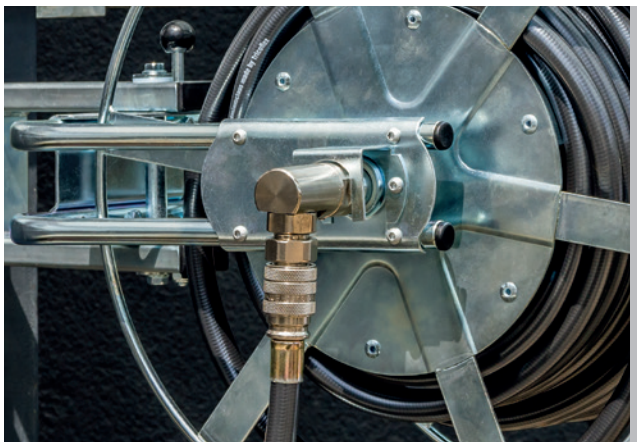
Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	10.8	33.5	20.5	FKM	-20 – +160	Water	green	65°	10	5	**GKVR-N**



Accessories

Apart from couplings and spray nozzles, LÜDECKE offers a broad range of accessories.

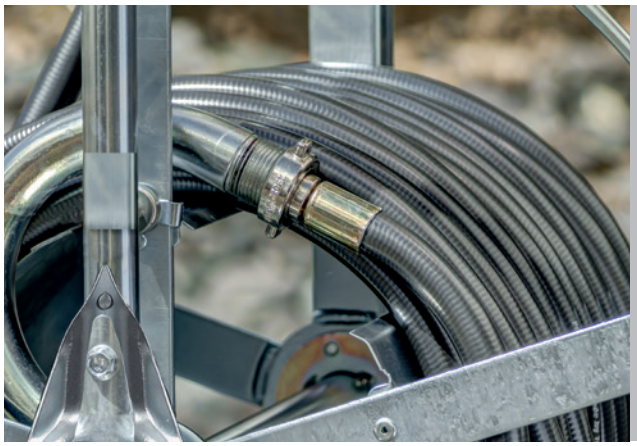
Swivel Transmissions



LÜDECKE swivel transmissions are designed for hose or tubing applications in components which have to withstand high stress caused by rotations at the connections (e.g. hose reels or wall hose reels).

- Avoids any kind of kinking and abrasion to the hose and hose connection
- Media is smoothly transported to drop-off-point
- For applications with unwinding which experience heavy strains due to vibrations, twisting and sideway movements at connections

Hose Screw Type Fittings



WaterProfi by LÜDECKE® hose screw type fittings are used as quick-release connections for hoses or tools. They are an alternative to common coupling systems.
We recommend this product especially to connect hose reels or wall hose reels to hoses.

- Solid connection between hose and tool
- Robust, safe, leakage-proof and durable
- Available in plain brass and nickel-plated brass

Additional Accessories



- Fittings
- Ball valves taps
- Return valves and check foot valves with strainer
- Thread stems with male thread and hose squeeze nut ferrule
- Hose clamps, hose clips made of steel and stainless steel, ferrules for low pressure hose lines, hand-operated assembly machine

Swivel Transmissions

made of Brass for Water

- Swivel Transmissions made of brass MS 58 nickel-plated
- High resistant swivel joint, with enhanced flow rates
- For pneumatic and fluid applications with rotations and heavy strains due to vibrations, twisting and sideway movements

Materials:
- Swivel transmission: Brass MS 58 nickel-plated
- Seals: EPDM

Max. Working Pressure	Temperature	Thread	Media	
PN 10 bar	+95°C	ISO 228	Water	1

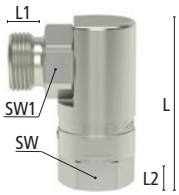
Swivel transmission straight

Thread connection	L	SW	D	L1	L2	SW1	Passage	Version	Weight	Type No.
G 3/4 m - G 3/4 f	54	30	34	15.5	8	30	17	straight	180	DV 34 IA
G 1 m - G 1 f	60	41	45	15.5	14	41	25.5	straight	350	DV 10 IA



Swivel transmission 90°

Thread connection	L	SW	B	L1	L2	SW1	Passage	Version	Weight	Type No.
G 3/4 m - G 3/4 f	74	30	55	15.5	8	30	17	90°	420	DV 3490 IA
G 1 m - G 1 f	85	41	64	15.5	16	36	25	90°	698	DV 1090 IA



Hose Screw Type Fittings

made of Brass for Water

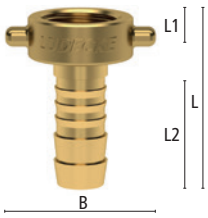
- Hose Screw Type Fittings made of brass MS 58 plain or nickel-plated
- Quick release connection for hoses or tools
- Robust, safe, leakage-proof and durable

Materials:
- Hose screw type fitting: Brass MS 58 plain/ nickel-plated
- Seals: EPDM

Max. Working Pressure	Temperature	Thread	Media	
PN 10 bar	up to +95°C	ISO 228	Water	10

Hose screw type fitting made of brass plain, female thread and union nut

Thread connection	Hose connection	L	B	L1	L2	Passage	Weight	Type No.
G 1/2 f	Hose i.D. 13	46	40	9	30	11	55	12/13 M
G 3/4 f	Hose i.D. 13	46.5	45	9.5	30	11	66	34/13 M
G 3/4 f	Hose i.D. 19	46.5	45	9.5	30	16	76	34/19 M
G 1 f	Hose i.D. 19	48	60	11	30	16	127	10/19 M
G 1 f	Hose i.D. 25	48	60	11	30	20.5	130	10/25 M



Hose screw type fitting made of brass nickel-plated, female thread and union nut

Thread connection	Hose connection	L	B	L1	L2	Passage	Weight	Type No.
G 1/2 f	Hose i.D. 13	46	40	9	30	11	55	12/13 MN
G 3/4 f	Hose i.D. 13	46.5	45	9.5	30	11	66	34/13 MN
G 3/4 f	Hose i.D. 16	46.5	45	9.5	30	13	72	34/16 MN
G 3/4 f	Hose i.D. 19	46.5	45	9.5	30	16	76	34/19 MN
G 1 f	Hose i.D. 25	48	60	11	30	20.5	130	10/25 MN



Fittings and Ball Valve Taps

made of Brass

- Distributors, T-Connectors, elbow-connectors and ball valve taps
- Different sizes for all kinds of application
- Robust, solid and reliable
- Maximum passage
- For water supply in industry, trades, agriculture and private households

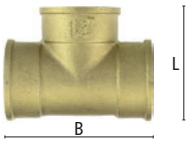
Materials:
- Y-Distributor, T-Connector, Elbow-Connector: Brass MS 58 plain
- Tap-housing: Brass MS 58 nickel-plated
- Handle: Aluminium red
- Balls: hard chromium plated

Max. Working Pressure	Thread	Media	
PN 10 bar	ISO 228	Water	5



2-way Distributor

Inlet	Outlet	Passage	Weight	Type No.
G 3/4 f	2 x G 3/4 m	15	85	**DWS 34 Y**



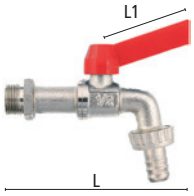
T-Connector with female thread

Thread connection	L	B	Weight	Type No.
3 x G 1/2 f	51	39,5	86	**TSM 12**
3 x G 3/4 f	59	45,5	160	**TSM 34**
3 x G 1 f	75	54	250	**TSM 10**



Elbow-Connector with female thread

Thread connection	L	Weight	Type No.
2 x G 1/2 f	39	83	**WSM 12**
2 x G 3/4 f	47	115	**WSM 34**
2 x G 1 f	54.5	204	**WSM 10**



Ball Valve Taps, brass nickel-plated with assembled hose screwing, handle aluminium red, ball hard chromium plated

Inlet	Outlet	Hose connect.	L	L1	Weight	Type No.
G 1/2 m	G 3/4 m	Hose i.D. 13	105	55	210	**WKH 12**
G 3/4 m	G 1 m	Hose i.D. 19	120	55	285	**WKH 34**

Return Valves and Check Foot Valves with Strainer

made of Brass

- Return valves shut off water flows in one direction. Check foot valves are return valves assembled with a strainer.
- Avoid draining of the suction line, after pump has been switched off
- Perfectly tight hold even with very low pressure through Nitril rubber sealing
- Hostaform wedge with double central slide

Materials:
- Body: Brass MS 58 plain
- Valve: Nylon
- Springs: Stainless steel
- Seals: Nitril

Max. Working Pressure	Temperature	Opening pressure	Thread	Media	
PN 16 bar	up to +100°C	approx 0.02 bar	ISO 228	Water	1

Return Valves with female thread

Thread connection	L	D	Weight	Type No.
G 1/4 f	45	28.5	105	RSV 14
G 3/8 f	45	28.5	93	RSV 38
G 1/2 f	47.5	30	100	RSV 12
G 3/4 f	53	37	159	RSV 34
G 1 f	59	44.5	239	RSV 10
G 1 1/4 f	66	56	348	RSV 54*
G 1 1/2 f	71	62.5	450	RSV 15*
G 2 f	80	78.5	730	RSV 20*



Check Foot Valves with strainer, outlet with female thread

Thread connection	L	D	Weight	Type No.
G 3/8 f	89	28.5	90	FVMF 38
G 1/2 f	90	29.5	110	FVMF 12
G 3/4 f	101	37	165	FVMF 34
G 1 f	115	44.5	245	FVMF 10
G 1 1/4 f	126	56	390	FVMF 54*
G 1 1/2 f	140	63	500	FVMF 15*
G 2 f	165	78	800	FVMF 20*

*** Max. Working Pressure: 10 bar**



Thread Stems with Male Thread and Hose Squeeze Nut Ferrule

made of Brass for Water for Perfect Hose Assembly

- Easy hose assembly with thread ferrule, multiple use and detachable
- Hose assembly without dead space for optimised safety and hygiene standards
- No dirt accumulation between hose and hose barb
- According to DIN EN 14 424
- Please note correct hose wall dimensions

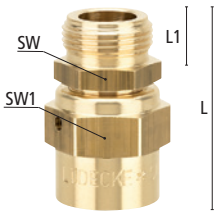
Materials:
- Screw connection: Brass MS 58 plain

Max. Working Pressure	Temperature	Thread	Media	
PN 25 bar	up to +95°C	ISO 228	Water	10

Thread Stems with Male Thread and Hose Squeeze Nut Ferrule

Hose connect.	Thread connection	L	SW	L1	SW1	Passage	Weight	Type No.
13x3 - 13x3.8	G 1/2 m	52	22	12	24	10	92	GSA 12-13
19x3.8 - 19x4.2	G 3/4 m	53.5	27	13	32	17	143	GSA 34-19
25x4.4 - 25x5	G 1 m	58.5	36	14	41	22	252	GSA 10-25

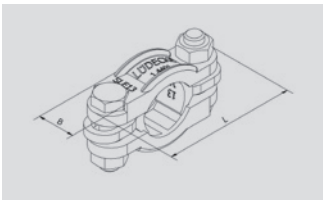
Assembly instructions for thread ferrules (www.ludecke.com)



Hose Clamps

made of Stainless Steel

- Robust clamps made of stainless steel 1.4401
- Robust, easy and secure hose assembly for various fittings and applications





Materials

- Clamps, spacers: Stainless Steel 1.4401
- Screws: Stainless Steel A4-70

Max. Working Pressure	Norm
PN 16 bar	DIN 20039 A

Hose Clamps DIN 20039 A made of stainless steel 1.4401, two parts with loose spacers

Version	Hose-o.D./ Range	L	B	Screw size		Weight	Type No.
Hose i.D. 13	18-26	63	18	M 8x30	5	140	SLE 13
Hose i.D. 19	26-33	71	18	M 8x30	5	160	SLE 19
Hose i.D. 25	32-40	81	18	M 10x35	5	210	SLE 25

Double-Ear Hose Clips

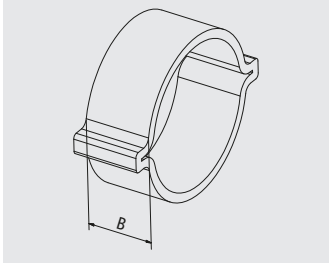
- Clips made of special reliable steel zinc plated and blue chromated (free of chrome VI)
- Easy and fast assembly with pincer
- Concentric and strong clamp-effect, safe and unsolvable
- No risk of injury
- To assemble hoses and fittings for various media

Materials

- Clips: Unbreakable special reliable steel zinc-plated and blue chromated (free of chrome VI)

100





Double-Ear Hose Clips

Hose-o.D./ Range	B	Weight	Type No.
5-7	5.5	1	ZOS 5-7
7-9	6	2	ZOS 7-9
9-11	6	2	ZOS 9-11
11-13	6	3	ZOS 11-13
13-15	7	4	ZOS 13-15
14-17	7.5	4	ZOS 14-17
15-18	8	5	ZOS 15-18
17-20	8	5	ZOS 17-20
19-21	7	5	ZOS 19-21
20-23	9	8	ZOS 20-23
22-25	9	9	ZOS 22-25
23-27	9	9	ZOS 23-27
25-28	9	10	ZOS 25-28
27-31	9	12	ZOS 27-31
31-34	9	13	ZOS 31-34
34-37	9	16	ZOS 34-37
37-40	9	17	ZOS 37-40
40-43	9	18	ZOS 40-43



Special assembly pincer	L	H	Weight	Type No.
	220	50	332	ZOSZ

High-Performance Hose Clips

made of Steel W1 (DIN 3017)

- High-performance hose clips made of steel W1, free of chrome VI, zinc-plated and thick layer passivated
- Optimum sealing through high belt tension – maximum strip safety
- Hose-protective through rounded edges and smooth band insides
- Thinner screw body with new suspension, hence improved tightening and fracture torque
- Material and clamp range stamped at inner band side
- Hexagon screw with cross-slotted head
- Optimum distribution of tension over complete hose diameter
- Up to size 90 in boxes, sizes 100-180 in plastic bags, from size 190 individually
- For safe, fast and removable assembly of various hoses and fittings for different media

Materials

- Band, body, screw: Steel W1 zinc-plated and thick layer passivated

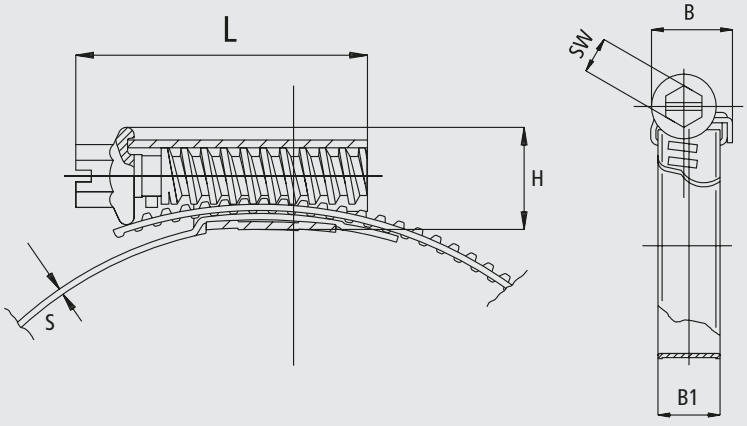
Norm
DIN 3017

High-Performance Hose Clips, band and lock made of steel W 1 zinc-plated

				torque	band-width						
⌐ Range ¬								band-thickness			
mm	inch	B	SW	Max.Nm	L	H	B1	S		Weight	Type No.
8-12	5/18-1/2	14	7	2-2.5	20.5	11.5	9	0.7	100	12	HS 12
10-16	5/18-5/8	14	7	2-2.5	20.5	11.5	9	0.8	100	13	HS 16
12-22	1/2-3/4	14	7	3-3.5	24	11.5	9	0.8	100	16	HS 20
16-27	5/8-1	16	7	5-5.5	31	13	9	0.8	100	17	HS 25
20-32	3/4-1 1/4	16	7	5-5.5	31	13	12	0.8	50	27	HS 32
25-40	1-1 5/8	16	7	5-5.5	31	13	12	1.0	50	32	HS 40
30-45	1 3/8-1 3/4	16	7	5-5.5	31	13	12	1.0	50	33	HS 45
35-50	1 1/4-2	16	7	5-5.5	31	13	12	1.0	50	35	HS 50
40-60	1 5/8-2 3/8	16	7	5-5.5	31	13	12	1.0	25	39	HS 60
50-70	2-2 3/4	16	7	5-5.5	31	13	12	1.0	25	43	HS 70
60-80	2 3/8-3 1/8	16	7	5-5.5	31	13	12	1.0	25	45	HS 80
70-90	2 3/4-3 1/2	16	7	5-5.5	37	13	12	1.0	25	52	HS 90
80-100	3 1/8-4	16	7	5-5.5	37	13	12	1.0	10	53	HS 100
90-110	3 1/2-4 3/8	16	7	5-5.5	37	13	12	1.0	10	53	HS 110
100-120	4-4 3/4	16	7	5-5.5	37	13	12	1.0	10	58	HS 120
110-130	4 3/8-5 1/8	16	7	5-5.5	37	13	12	1.0	10	60	HS 130
120-140	4 3/4-5 1/2	16	7	5-5.5	37	13	12	1.0	10	63	HS 140
130-150	5 1/8-5 7/8	16	7	5-5.5	37	13	12	1.0	5	69	HS 150
140-160	5 1/2-6 1/4	16	7	5-5.5	37	13	12	1.0	5	71	HS 160
150-170	5 7/8-6 5/8	16	7	5-5.5	37	13	12	1.0	5	74	HS 170
160-180	6 1/4-7	16	7	5-5.5	37	13	12	1.0	5	77	HS 180
170-190	6 1/2-7 1/2	16	7	5-5.5	37	13	12	1.0	1	79	HS 190
180-200	7 1/8-8	16	7	5-5.5	37	13	12	1.0	1	81	HS 200
190-210	7 1/2-8 1/4	16	7	5-5.5	37	13	12	1.0	1	86	HS 210
200-220	8-8 3/4	16	7	5-5.5	37	13	12	1.0	1	92	HS 220
210-230	8 1/8-9	16	7	5-5.5	37	13	12	1.0	1	98	HS 230
220-240	8 3/4-9 3/8	16	7	5-5.5	37	13	12	1.0	1	101	HS 240
230-250	9-9 3/4	16	7	5-5.5	37	13	12	1.0	1	105	HS 250
240-260	9 3/8-10 1/4	16	7	5-5.5	37	13	12	1.0	1	108	HS 260
250-270	9 3/4-10 1/2	16	7	5-5.5	37	13	12	1.0	1	112	HS 270
260-280	10 1/4-11	16	7	5-5.5	37	13	12	1.0	1	116	HS 280







High-Performance Hose Clips

made of Stainless Steel W5 (DIN 3017)

- High-performance hose clips made of stainless steel W5
- Optimum sealing through high belt tension – maximum strip safety
- Hose-protective through rounded edges
- Stamped band
- Thinner screw body with new suspension, hence improved tightening and fracture torque
- Material and clamp range stamped at inner band side
- Hexagon screw with cross-slotted head
- Optimum distribution of tension over complete hose diameter
- Up to size 90 in boxes, size 100 in plastic bags
- For safe, fast and removable assembly of various hoses and fittings for different media

Materials

- Band, body, screw: Stainless Steel W5

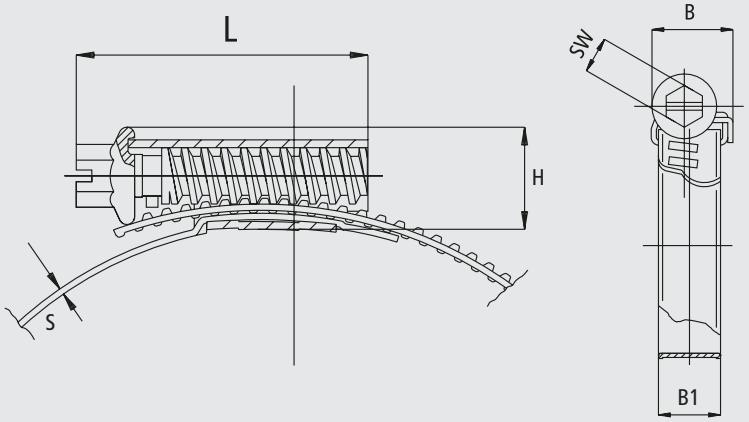
Norm
DIN 3017





High-Performance Hose Clips, band and lock made of stainless steel W 5

Range				torque	band-width / band-thickness						
mm	inch	B	SW	Max. Nm.	L	H	B1	S		Weight	Type No.
8-12	5/18-1/2	10.5	6	1.5	17	9.5	8	0.7	100	6	HSE 12
8-16	5/18-5/8	14	7	2-2.5	21	14	9	0.8	100	11	HSE 16
12-20	1/2-3/4	14	7	2-2.5	24	14	9	0.8	100	13	HSE 20
16-25	5/8-1	14	7	3-3.5	24	14	9	0.8	100	14	HSE 25
20-32	3/4-1 1/4	14	7	3-3.5	24	14	9	0.8	100	15	HSE 32
25-40	1-1 5/8	14	7	3-3.5	26	14	9	0.8	50	18	HSE 40
32-50	1 1/4-2	14	7	3-3.5	26	14	9	0.8	50	18	HSE 50
40-60	1 5/8-2 3/8	14	7	3-3.5	26	14	9	1.0	25	20	HSE 60
50-70	2-2 3/4	14	7	3-3.5	26	14	9	1.0	25	21	HSE 70
60-80	2 3/8-3 1/8	14	7	3-3.5	26	14	9	1.0	25	23	HSE 80
70-90	2 3/4-3 1/2	14	7	3-3.5	26	14	9	1.0	25	25	HSE 90
80-100	3 1/8-4	14	7	3-3.5	26	14	9	1.0	10	28	HSE 100



Ferrules for Low Pressure Hose Lines

- Ferrules made of annealed steel zinc-plated and yellow passivated
- Easy, fast and absolutely safe hose crimping with **LÜDECKE** hand-operated assembly machine SPR-333 up to type LPH-23
- No risk of injury, clean and unsolvable connection
- For crimping of various hoses and fittings for different media

Materials

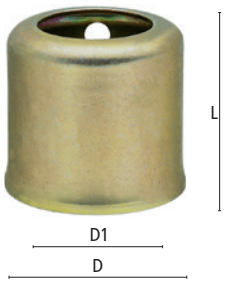
- Body: annealed steel zinc-plated and yellow passivated

Max. Working Pressure
PN 16 bar

Ferrules for Low Pressure Hose Lines

	for hose								
D	DIN 20018	water	PVC	L	D1	Assembly-M.	Weight		Type No.
12.5				17	8.5	SPR 333	3	100	LPH-12.5
13.5			6x3	20	9.3	SPR 333	5	100	LPH-13.5
14.5	6x3.5			17	10	SPR 333	5	100	LPH-14.5
16			8x3	17	11.5	SPR 333	5	100	LPH-16
18	9x3.5		10x3	20	13.5	SPR 333	7	100	LPH-18
19			12x3	20	13.9	SPR 333	9	100	LPH-19
19.5				26	14.5	SPR 333	10	100	LPH-19.5
21				32	16.5	SPR 333	12	100	LPH-21
22				32	17	SPR 333	16	100	LPH-22
23		13x3		32	17	SPR 333	18	100	LPH-23
25	13x5			32	17		19	100	LPH-25
28	15x6			32	20.5		22	100	LPH-28
30.5		19x4		33	24.3		24	100	LPH-30
33	19x6			35	24.8		40	25	LPH-33
38		25x4.5		35	28		47	25	LPH-38
41	25x7			40	30		64	25	LPH-41

For higher working pressure we recommend hydraulic crimping with turned steel-ferrules type PH (page 245) or on request.



Hand-Operated Assembly Machine

for Low Pressure Ferrules

- Crimping machine for easy and safe assembly of low-pressure hoses from 3 to 16 mm Hose i.D.
- Clean: Exact assembling of fitting, hose and ferrule through centric crimping of the ferrule
- Simple: Fast assembling quick and easy
- Reliable: Improved safety through perfect fit
- Safe: Reduced danger of injury
- With two crimping-jaw sets for crimping range from 3 to 9 mm and from 10 to 16 mm.
- Flexible: For mobile use

Assembly Machine

	for hose					
	Hose o.D./					
Hose i.D.	Range	suitable ferrule	e.g. for fitting		Weight	Type No.
3-16	10-22	LPH 12.5-23	Pneumatic-Connect., ES-Couplings	1	12.2 kg	SPR-333

