



Construction Industry



Claw Couplings



Complete Screwing Sets, etc.



Mortar Couplings and Plugs



Sandblast Couplings



Hose Clamps and Hose Clips



Ball Valves and Throttle Valves



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Robust Coupling Systems for Outdoor Applications at Construction Sites



Whether in classic construction, mining and tunnelling, ship yards, petrochemical industry, agriculture or in gardening and landscaping: In these areas, reliable coupling systems are required which withstand extreme use and weather conditions.

The **LUDECKE** construction product portfolio offers high-quality and robust products - optimised for a number of challenging applications and different media.

Advantages:

- First-class and especially solid materials
- Safe, reliable and durable
- Simple and intuitive handling
- Different sizes and connection types
- From standard range to individual solutions and customised hose assemblies

Quality and Service



Lifetime-Guarantee: Original **LUDECKE** Claw Couplings and Clamps made of malleable iron from the 60s still used today in pneumatic demolition hammers

Engineered and Made in Germany - with this promise we do not only guarantee excellent products but also a comprehensive customer service.

On the following pages, we will give you an insight on how important it is to choose high-quality couplings and fittings in this area.

Avoid unnecessary safety risks with the **LUDECKE** construction range which has been tested and meets the DIN standards (page 204). Take the chance and have **LUDECKE** customise your products for the hose you want (page 205).

Materials

For all products, **LUDECKE** only uses premium materials which are customised to the application.

Malleable iron

Most of the **LUDECKE** construction fittings are made of malleable cast iron. This material has perfect mechanical properties (e.g. high tensile strength) which prevent brittle fractures when subject to excess strain. As a result, malleable cast iron is perfect for applications in which the components are exposed to strong dynamic stress (e.g. vibrations) and high mechanical forces. **LUDECKE** only works with galvanised and yellow passivated malleable cast iron (free of chrome VI) in accordance with the RoHS guideline.

Steel (Hardened/ Nickel-Plated/ Zinc-Plated)

If products are used under tough conditions (i.e. in foundries), they need to be manufactured out of machining steel (hardened, nickel-plated or zinc-plated). This material has good case-hardening properties and a long lifetime.

Aluminium

Products made of aluminium impress with their very low weight (up to 60% weight reduction). This makes them much easier to handle when in continuous operation. Aluminium is resistant to corrosion as well as chemical media and is ideally suited for machining.

Brass (Plain/ Nickel-Plated)

The material brass MS 58 (machining brass) is a very sturdy material which guarantees high durability and is perfectly suited for galvanisation (nickel, chrome). In the construction sector, this material is applied for complementary products (e.g. locking nuts).

Stainless Steel

In areas with specific hygiene standards or when conveying various difficult media, quick connect couplings made of stainless steel are required. For further information, please refer to our program for the processing industry.

Seals

Depending on the requirements, **LUDECKE** offers various types of high-quality sealings made of NBR, brass, PTFE and PUR.

Broad Range

From classic claw couplings, mortar couplings and sandblast couplings to hose clamps and throttle valves: At **LUDECKE** you will surely find the right product for a wide range of applications.



Top Quality for Safe Working

High-Risk Potential Caused by Inferior Material



Fracture test - left: **LUDECKE** hose clamp (no crack/ fracture), right: hose clamp from the Far East (complete fracture)

Again and again, you will find cheap copies of claw couplings and their matching hose clamps on the market. They are mostly manufactured in the Far East.

Lack of functionality

However, using such products comes with a high-risk potential: On the one hand, many cast components have great tolerances. Often, the couplings can no longer be tightly connected and or lead to leakages. Moreover, due to the improperly casted hose barbs and high tolerances of the clamps, a safe fitting of a hose cannot be guaranteed!

High Potential of Fractures

As these copies are often produced with low-quality and non-approved materials such as chilled cast iron (white iron), the products may easily fracture under high strain (i.e. when installed in strongly vibrating construction machines with compressed air).

Using such unsuitable products poses a high liability risk!

Safety with High-Quality and Standardised Components

To avoid these great safety risks, pay attention to the following:

- White iron and other inferior materials are hard and very brittle due to their high amount of cementite steel. As a result, they are inappropriate materials for high stress applications
- The production of malleable cast iron is more time-consuming and expensive as it undergoes an additional annealing treatment. However, this provides malleable cast iron with enhanced mechanical properties and makes it perfect for extreme conditions.
- Only components should be sold and used which follow the current standards (DIN 3489, DIN 3238, DIN 20039) and show the obligatory manufacturer's branding.



Original **LUDECKE** Claw Coupling according to DIN 3489

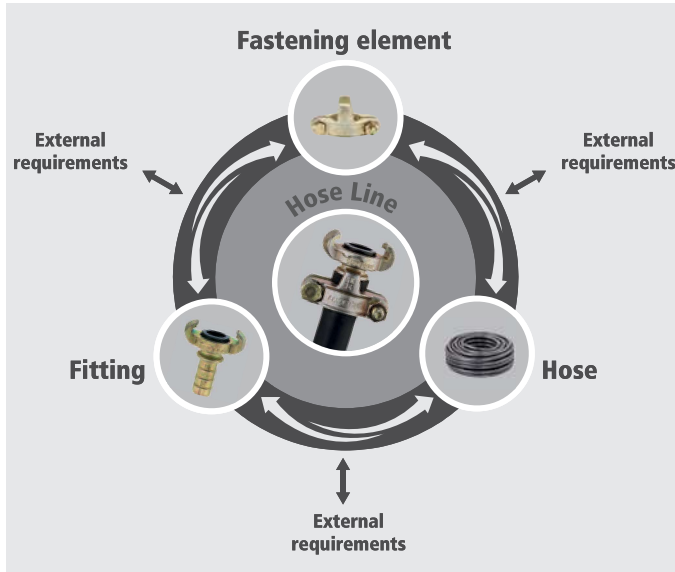


Counterfeit from the Far East (no manufacturer's branding, inferior material)

The products of the **LUDECKE** construction range undergo continuous, strict quality tests. In this way, we always guarantee high reliability for permanent use.

Assembly of Hoses and Fittings

It is all about the perfect connection



High-quality couplings and fittings are essential for reliable and safe operation. However, long-term and satisfying results are only achieved, when all components of a hose line interact perfectly.

Problems when assembling fittings on hoses:

There are a number of hose manufacturers which often offer different materials and dimensions for identical hose sizes and purposes due to missing standards.

Then there are the fittings manufacturers. They produce diverse fittings for standard hose sizes and use different assembly methods. These fittings have also dimensional tolerances just as the hoses. This is why barb contours from various manufacturers can vary in form and dimension.

General Statements are not always Possible

Assembled hose lines often act very differently under pressure and temperature. Depending on the application, this will hamper a secure connection between hose and fitting.

Moreover, the requirements hose lines have to meet are continuously increasing with regards to resistance to operating pressures, ambient and operating temperature, chemical substances and external mechanical strain.

Due to the variety of impacting parameters, it is not possible to make a generalised statement about the reliability of hose assemblies based on their individual components.

Professional Hose Assemblies with **LUDECKE**



Based on the desired hose type, **LUDECKE** helps to select the right fitting and assembly method.

All hose assemblies are also tested in our own test centre using a wide range of criteria.

Our specially trained experts (persons qualified to test hose assemblies in accordance to German law § 2 Para. 6 BetrSichV) can make reliable statements about their suitability for the applications and media in question.

If you cannot find a properly sized fitting for your hose, we will be happy to produce a customised solution.

Claw Couplings



The **LUDECKE** claw coupling is the system which is applied world-wide for compressed air supply in construction and industry.

Malleable cast iron is the only material we use in this manufacturing process (exception: stainless steel for critical media). Due to its heat treatment, this cast material guarantees the required elasticity especially for thin walled parts and is the mandatory material according to DIN 3489 and DIN 3238.

The **LUDECKE** claw coupling range consists of different versions and offers numerous application possibilities.

Advantages:

- High-quality materials
- Very robust and durable
- Simple and fast handling
- Identical coupling head: connection versions and sealing systems can be connected with each other
- Maximum bore for maximum flow
- Increased safety with MODY-Safety-Screwing-Couplings and claw couplings with safety collar
- Different connection and thread types

A Reliable Classic

The success story of **LUDECKE** started with the claw coupling. To this day, this product is characterized by reliability, safety and excellent quality.



The Coupling Concept: Simply Brilliant

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.

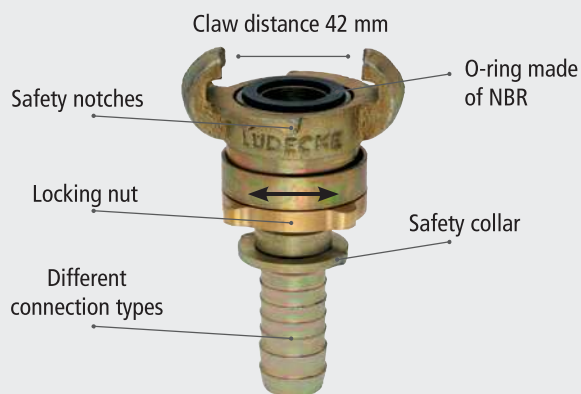


To disconnect, push the coupling and the counterpart together in axial direction. Afterwards, turn one coupling half as far as possible in the opposite direction as you would do when connecting and remove it from the counterpart.

Maximum Safety

Operator and machine safety is always our top priority. This is why we offer our claw couplings with two safety functions.

MODY-Safety-Screwing Coupling DIN 3238



To ensure a perfect connection, we recommend to take the MODY-safety-screwing coupling. It has a locking nut which is tightened manually and prevents the coupling halves from loosening.

In general, we recommend to always choose a classic claw coupling with a MODY-safety-screwing coupling. This connection is absolutely safe, easy to connect and 100 % leakage-proof.

Claw Couplings with Safety Collar



Many **LUDECKE** claw couplings are available with an optional safety collar. Special hose clamps allow for a reliable and technically correct assembly of the hose to the coupling. The hose clamps have safety claws which hook firmly into the safety collar. This prevents unintended slipping or loosening of the hose. The safety claws also ensure that the hose clamps are attached to the hose stems with the correct spacing - incorrect installation can be eliminated.

Overview of Claw Couplings

also in Stainless Steel

Standard

DIN 3489



Swivelling

DIN 3489



also in Stainless Steel

MODY-Safety-Screwing Coupling

DIN 3238



With Brass Seal



Materials

Claw:	Malleable iron (zinc-plated + yellow passivated)	Malleable iron (zinc-plated + yellow passivated)	Malleable iron (zinc-plated + yellow passivated)	Malleable iron (zinc-plated + yellow passivated)
Connector:	Malleable iron (zinc-plated + yellow passivated)	Steel (zinc-plated + yellow passivated)	Steel (zinc-plated + yellow passivated)	Malleable iron (zinc-plated + yellow passivated)
Locking nut:	-	-	MS 58 plain	-
Screw:	-	-	-	Steel (zinc-plated + yellow passivated)
Seals:	NBR	NBR	NBR, Brass	Brass
Special seals on request:	TFEP, FKM, EPDM	TFEP, FKM, EPDM	TFEP, FKM, EPDM	TFEP, FKM, EPDM
Max. Working Pressure:	PN 10 bar	PN 16 bar	PN 16 bar	PN 10 bar
Temperature:	-40°C - + 95°C	-40°C - + 95°C	-40°C - + 95°C	-40°C - + 95°C
Thread types:	ISO 228, NPT	ISO 228	ISO 228, NPT	ISO 228
Claw distance:	42 mm	42 mm	42 mm	42 mm
Others:	also available in stainless steel	-	also available in stainless steel, also available with colour coated claw	-
Page:	211	213	214	216



With Bore for Safety-Clips	Left-Closing	Made of Hardened Steel	Made of Forged Brass	US-Version with Bore for Safety Clips	US-Version with Bore for Safety Clips - MODY
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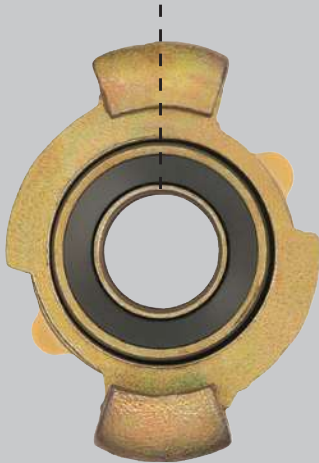


Malleable iron (zinc-plated + yellow passivated)	Malleable iron (zinc-plated + yellow passivated)	Steel (hardened, zinc-plated + yellow passivated)	MS 58 plain	Malleable iron (zinc-plated + yellow passivated)	Malleable iron (zinc-plated + yellow passivated)
Malleable iron (zinc-plated + yellow passivated)	Steel (zinc-plated + yellow passivated)	Steel (hardened, zinc-plated + yellow passivated)	MS 58 plain	Malleable iron (zinc-plated + yellow passivated)	Steel (zinc-plated + yellow passivated)
-	MS 58 plain	MS 58 plain	-	-	MS 58 plain
-	-	-	-	-	-
NBR	NBR/ Brass	NBR	NBR	NBR	NBR
TFEP, FKM, EPDM	TFEP, FKM, EPDM	TFEP, FKM, EPDM	-	-	TFEP, FKM, EPDM
PN 10 bar	PN 16 bar	PN 16 bar	PN 10 bar	PN 10 bar	PN 16 bar
-40°C - + 95°C	-40°C - + 95°C	-40°C - + 95°C	-40°C - + 95°C	-40°C - + 95°C	-40°C - + 95°C
ISO 228, NPT	ISO 228	ISO 228, NPT	ISO 228	ISO 228, NPT	ISO 228, NPT
42 mm	42 mm	42 mm	42 mm	41 mm	41 mm
available incl. safety clips (Steel zinc-plated)	also available with colour coated claw	-	French system (according to Norm NF E 29-573)	US-version, available incl. safety clips (Steel zinc-plated)	US-version, available incl. safety clips (Steel zinc-plated)
217	218	219	220	221	222

Standards for Claw Couplings

Claw Couplings according to DIN 3238

New seal holder embedded in coupling body

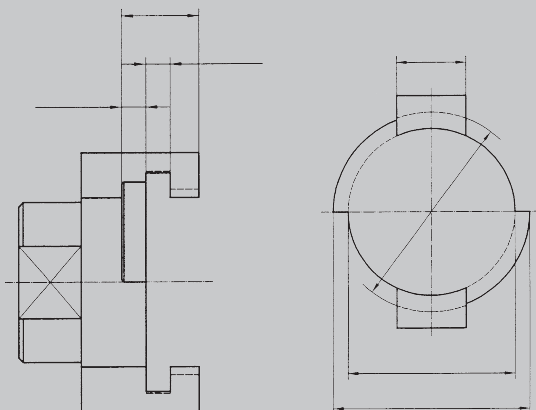


Special requirements

- Threads according to **DIN EN ISO 228-1** and **ANSI/ ASME B 1.20.1**
- Claw couplings and sealing rings corresponding to this standard **must have manufacturer markings!**
- Working pressure **max. 16 bar**
- **100 % sight control**
- **100 % function check with gauge (coupling control)**
- **Approved raw materials used only:**
 - Malleable iron: EN-GJMW-400-5(EN-JM1030) acc. to DIN EN 1562
 - M1-Alloy: Alloy DIN 17660-CuZn39Pb2 (2.0380)
 - Steel: Type to be chosen by manufacturers
 - 11SMnPb30 (1.0718) acc. to DIN EN 10087
 - 11SMnPb30 (1.0718) acc. to DIN EN 10277-3
 - X5CrNi Mo 17-12-2 (1.4401) acc. to DIN EN 10088-1
 - G-X5CrNiMo 19-11-2 (1.4408) acc. to DIN EN 10213-4
 - G-X5CrNiMoNb 19-11-12 (1.4581) acc. to DIN EN 10213-4
- **New seal**
- **New seal holder - 2-way guidance**

Claw Couplings according to DIN 3489

Test gauge for claw couplings



Special requirements

- Threads according to **DIN EN ISO 228-1** and **ANSI/ ASME B 1.20.1**
- Claw couplings and sealing rings corresponding to this standard **must have manufacturer markings!**
- Working pressure **max. 10 bar**
- **100 % sight control required**
- **100 % function check with gauge (coupling control)**
- **Approved raw materials used only:**
 - Malleable iron: EN-GJMW-400-5(EN-JM1030) acc. to DIN EN 1562
 - M1- Alloy: Alloy DIN 17660-CuZn39Pb2 (2.0380)
 - Steel: Type to be chosen by manufacturer
 - 11SMnPb30 (1.0718) acc. to DIN EN 10087
 - 11SMnPb30 (1.0718) acc. to DIN EN 10277-3
 - X5CrNi Mo 17-12-2 (1.4401) acc. to DIN EN 10088-1
 - G-X5CrNiMo 19-11-2 (1.4408) acc. to DIN EN 10213-4
 - G-X5CrNiMoNb 19-11-12 (1.4581) acc. to DIN EN 10213-4

Claw Couplings

Standard Version DIN 3489

- Robust claw couplings made of malleable iron zinc-plated and yellow passivated (free of chrome VI), with safety notches
- 100 % function check and sight control
- With oil-resistant rubber ring GOER, on request with steam resistant rubber ring GDOR made of TFEP (up to +200°C), surcharge: 6.72 Euro
- Universal coupling, worldwide used system for compressed air supply in construction and industry

Materials

- Claw, connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Seals: NBR

Max. Working Pressure	Temperature	Thread	Norm	Claw distance	Media	
PN 10 bar	-40°C – +95°C	ISO 228, NPT	DIN 3489	42 mm	Compressed Air	10

Also in Stainless steel
Page 330

Claw Couplings with hose barb (formerly DIN 3483)

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 6	70	63	25	5	157	SKG 6
Hose i.D. 10	76	63	45	7	150	SKG 10
Hose i.D. 13	69	63	45	8.5	141	SKG 13
Hose i.D. 15	69	63	45	11	142	SKG 15
Hose i.D. 19	69	63	45	15	155	SKG 19
Hose i.D. 25	70	63	46	19	176	SKG 25
Hose i.D. 32	90	63	64	20	244	SKG 32

For hose clamps DIN 20039 A, type SL (☺ page 253) or crimping ferrules type LPH (☺ page 401)

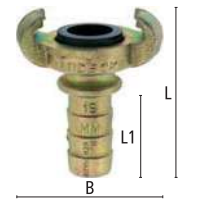


Claw Couplings with hose barb and safety collar

Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 13	75	63	35.5	25	8.5	174	SKB 13
Hose i.D. 15	75	63	35.5	26	11	175	SKB 15
Hose i.D. 19	75	63	40.5	28.5	15	182	SKB 19
Hose i.D. 19	73.5	63	41	24	15	160	SKB 19 FL*
Hose i.D. 25	75	63	40.5	40	20	240	SKB 25
Hose i.D. 25	75	63	40.5	30	20	190	SKB 25 FL*

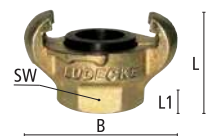
For hose clamps DIN 20039 B, type SK (☺ page 253), safe hose assembly.

*Flat hose version, assembly with hose clamps SK..FL




Claw Couplings with female thread (formerly DIN 3482)

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/4 f	36	22	63	12	11	138	KIG 14
G 3/8 f	36	22	63	12	15	135	KIG 38
G 1/2 f	38	27	63	12	19	150	KIG 12
G 1/2 f	41	-	63	14.5	19	180	KIGO 12**
G 3/4 f	40	32	63	14.5	20	155	KIG 34
NPT 3/4 f	38	32	63	17	20	160	KIG 34 NPT
G 3/4 f	41	-	63	14.5	20	155	KIGO 34**
G 1 f	40	41	63	18	20	184	KIG 10
NPT 1 f	40	40	63	18	20	180	KIG 10 NPT
G 1 1/4 f	55	50	63	18	20	297	KIG 54



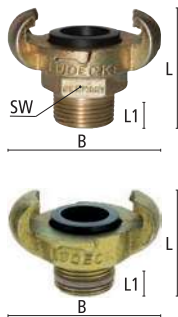
Claw Couplings with blank ends (formerly DIN 3484)

Version	L	B		Weight	Type No.
without chain	43	63	10	130	VKO
with chain	43	63	10	140	VKM
chain, spare part (steel zinc-plated)	200	-	25	7	VKM-K



Claw Couplings

Standard Version DIN 3489



Claw Couplings with male thread (formerly DIN 3481)

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/4 m	50	22	63	9	6	157	KAG 14
G 3/8 m	52	27	63	14	9	170	KAG 38
G 1/2 m	47	27	63	14	13	162	KAG 12
NPT 1/2 m	49	27	63	16	13	166	KAG 12 NPT
G 3/4 m	50	32	63	14,5	17	175	KAG 34
NPT 3/4 m	49	32	63	17	18	176	KAG 34 NPT
G 3/4 m	41	-	63	15	17	150	KAGO 34**
G 1 m	47	40	63	15	20	174	KAG 10
NPT 1 m	48	40	63	15	20	196	KAG 10 NPT
G 1 m	41	-	63	15	20	165	KAGO 10**
G 1 1/4 m	52	46	63	18	20	230	KAG 54

Male thread sealing with PVC sealing ring type HPD (☉ below)

**without Hexagon, with LÜDSY-sealing ring

Max. Working Pressure	Temperature	Thread	Claw distance	Media
PN 10 bar	-40°C – +95°C	ISO 228/ DIN EN 10226	42 mm	Air



Three-way connections with thread connection or claw couplings (rubber seal)

Connection	L	B	Material	Seal	Passage	☉	Weight	Type No.
3 x R 3/4 f	68	68	Malleable iron	-	24	1	255	DWS 34
3 x KAGO 34	120	120	Malleable iron	NBR	17	1	708	DWSG 34
3 x R 1 f	85	85	Malleable iron	-	30	1	413	DWS 10
3 x KAGO 10	135	130	Malleable iron	NBR	21	1	905	DWSG 10

Original Rubber Rings for Standard Claw Couplings DIN 3489

Resistance	L	D	D1	Material	Temp°C	Media	Colour	Shore A	☉	Weight	Type No.
Oil	11	34	20	NBR	-40 – +95	Compr. Air	black	65°	100	6	GOER
Steam	10	33	20	TFEP	-15 – +200	Steam	red	65°	10	6	GDOR
Chemicals	10.5	34	20	FKM	-40 – +200	Chemical	green	50°	10	9	GVOR

Hard PVC Sealing Rings for fast, easy and tight sealing of male threads

For male thread	L	D	D1	☉	Weight	Type No.
G 1/8 m	1.5	13	10	100	0.13	HPD 18
G 1/4 m	2	17.5	13.5	100	0.31	HPD 14
G 3/8 m	2	20.8	16.9	100	0.37	HPD 38
G 1/2 m	2	25.5	21.2	100	0.53	HPD 12
G 3/4 m	2	31.5	26.4	100	0.73	HPD 34
G 1 m	2	40	33.5	100	1.15	HPD 10



Claw Couplings

Swivelling, DIN 3489

- High-quality claw couplings, head made of malleable iron, thread connections and hose stem made of turned steel with special profile, zinc-plated and yellow passivated (free of chrome VI) with safety notches
- Easy 360° turning under pressure, therefore no hose twist
- Sealed by two O-rings, mounted on 2 teflon washers, safe and protected
- 100 % leakage-proof through machined seal holder, standard sealing can be used (GOER)
- Maximum bore for maximum flow rate
- On request with steam resistant sealing GDOR made of TFEP (surcharge: 6.72 euros)
- 100 % function check and sight control
- For flexible compressed air supply in construction and industry, if used as thread coupling assembled at the tool up to 10 times higher durability compared to rigid standard couplings! The swivel principle absorbs all vibrations!



Materials

- Claw: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Connector: Steel zinc-plated and yellow passivated (free of chrome VI)
- Seals: NBR

Max. Working Pressure	Temperature	Thread	Norm	Claw distance	Media	
PN 16 bar	-40°C – +95°C	ISO 228	DIN 3489	42 mm	Air a.o.	5

Claw Couplings with hose barb

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	87	63	41	10	221	SKG 13-DR
Hose i.D. 19	87	63	41	15	230	SKG 19-DR
Hose i.D. 25	87	63	41	19	260	SKG 25-DR

For hose clamps DIN 20039 A type SL (☺ page 253) or crimping ferrules type LPH (☺ page 401)

Claw Couplings with hose barb and safety collar

Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 13	96	63	41	24	10	236	SKB 13-DR
Hose i.D. 19	98	63	41	34	15	250	SKB 19-DR
Hose i.D. 25	98	63	41	39	19	290	SKB 25-DR

For hose clamps DIN 20039 B type SK (☺ page 413)

Claw Couplings with female thread

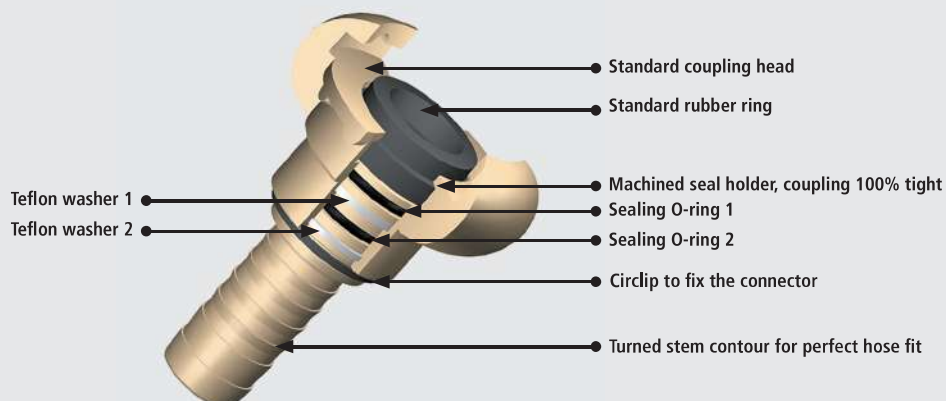
Thread connection	L	B	SW	L1	Passage	Weight	Type No.
G 1/2 f	61	63	24	15	17	240	KIG 12-DR
G 3/4 f	85	63	32	15	17	330	KIG 34-DR
G 1 f	90	63	41	15	17	430	KIG 10-DR

Claw Couplings with male thread

Thread connection	L	B	SW	L1	Passage	Weight	Type No.
G 1/2 m	67	63	24	14	13	240	KAG 12-DR
G 3/4 m	68	63	24	15	17	236	KAG 34-DR
G 1 m	83	63	36	15	19	315	KAG 10-DR

Original Rubber Rings

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A	Weight	Type No.	
Oil	11	34	20	NBR	-40 – +95	Compr. Air	black	65°	100	6	GOER
Steam	10	33	20	TFEP	-40 – +200	Steam	red	65°	10	6	GDOR



Claw Couplings

MODY-Safety-Screwing Couplings DIN 3238

100 %

- Easy handling
- Safe
- Leakage-proof

Also in Stainless steel
Page 331

- High-quality safety-screwing couplings, claw made of malleable iron with safety notches, hose stem made of turned steel with special contour, zinc-plated and yellow passivated (free of chrome VI)
- Reinforced thread protection ring and new sealing ring, holder embedded in coupling body
- With oil resistant rubber ring, on request with steam resistant rubber ring made of TFEP (up to +200°C)
- 100 % leakage-proof, reduces expensive air consumption
- 100 % function check and sight control
- Easy to couple, secured against accidental opening through tightening the locking nut
- Maximum bore for maximum flow rate
- For absolutely safe compressed air supply in construction and industry

Materials

- Claw: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Locking nut, safety clamps: Brass MS 58 plain
- Connector: Steel zinc-plated and yellow passivated (free of chrome VI)
- Seals: NBR

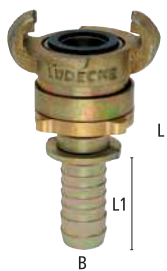
Max. Working Pressure	Temperature	Thread	Norm	Claw distance	Media	
PN 16 bar	-40°C – +95°C	ISO 228	DIN 3238, NPT	42 mm	Compressed Air	5



MODY-Safety-Screwing Couplings with hose barb

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 10	100	63	41	6.5	309	SSG 10
Hose i.D. 13	100	63	41	10	309	SSG 13
Hose i.D. 15	100	63	41	11	316	SSG 15
Hose i.D. 19	100	63	41	15	319	SSG 19
Hose i.D. 25	100	63	41	18	346	SSG 25
Hose i.D. 32	135	63	48	18	464	SSG 32

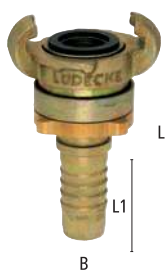
For hose clamps DIN 20039 A type SL (☺ page 253) or crimping ferrules type LPH (☺ page 401)



MODY-Safety-Screwing Couplings with hose barb and safety collar

Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 10	103	63	41	21	6.5	323	SSG 10 S
Hose i.D. 13	110	63	41	24	10	321	SSG 13 S
Hose i.D. 15	112	63	41	27	11	343	SSG 15 S
Hose i.D. 19	112	63	40.5	32	15	350	SSG 19 S
Hose i.D. 25	112	63	40.5	39	18	386	SSG 25 S

For hose clamps DIN 20039 B type SK (☺ page 413)



MODY-Safety-Screwing Couplings with hose barb for crimping ferrules (hydraulic crimping)

Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 19	108	63	40	24	15	359	SSG 19 PH

Crimping with crimping ferrule PH-19 (☺ page 245)

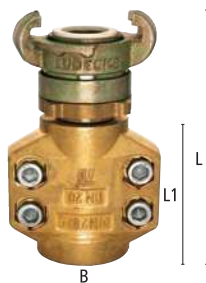
Other sizes on request



MODY-Safety-Screwing Couplings with hose barb for safety clamps

Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 19	110	63	35	26	15	340	SSG 19-KSA

For safety clamps VG 85 328 Type KSA 30-33 (☺ page 344)



MODY-Safety-Screwing Couplings with brass safety clamp for steam applications

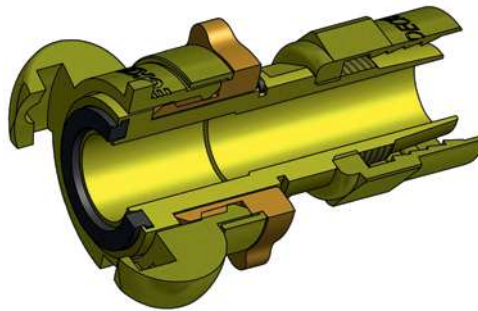
Hose connection	L	B	L1	Passage	Seal	Weight	Type No.
Hose 19x7	113	63	52	15	TFEP (SDOR-N)	920	SSG 19 KSM
Hose 25x7.5	113	63	52	18	TFEP (SDOR-N)	1120	SSG 25 KSM

Claw Couplings

MODY-Safety-Screwing Couplings DIN 3238

Thread ferrule according to DIN EN 14 424 as perfect hose connection for optimum safety; can be unlocked and reused at any time

Please pay attention to details for essential hose wall thickness!



MODY-Safety-Screwing Couplings with thread ferrule (according to DIN EN 14 424)

Hose connection	L	SW	B	SW1	Passage	Weight	Type No.
Hose 13x3	92	27	63	24	11	400	SSG 133 TQ
Hose 13x5	92	27	63	24	11	405	SSG 135 TQ
Hose 15x5	95	32	63	24	13	415	SSG 155 TQ
Hose 19x5	95	32	63	24	16	435	SSG 195 TQ
Hose 19x6	95	36	63	24	16	440	SSG 196 TQ
Hose 25x5	105	41	63	24	22	510	SSG 255 TQ
Hose 25x7	105	46	63	24	22	520	SSG 257 TQ

(Size 1" two parts screwed together)

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

MODY-Safety-Screwing Couplings with female thread

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 3/8 f	68	24	63	13	13	347	SSGI 38
G 1/2 f	70	24	63	15	17	329	SSGI 12
G 3/4 f	93	32	63	20	17	419	SSGI 34
NPT 3/4 f	93	32	63	21.5	17	388	SSGI 34 NPT
G 1 f	95	41	63	22	17	516	SSGI 10
NPT 1 f	97	41	63	22	17	473	SSGI 10 NPT

MODY-Safety-Screwing Couplings with male thread and LÜDSY-sealing system

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 3/8 m	72	24	63	13	10	320	SSGA 38
G 1/2 m	73	24	63	14	13	351	SSGA 12
G 3/4 m	73	24	63	15	17	345	SSGA 34
NPT 3/4 m	73	24	63	18	17	345	SSGA 34 NPT*
R 1 m	85	36	63	18	17	401	SSGA 10
NPT 1 m	83	36	63	19	17	401	SSGA 10 NPT*

*without LÜDSY-thread sealing

Original MODY-Rubber Rings – Standard Version

Resist.	L	D	D1	Material	Temp.°C	Media	Colour	Shore A	Weight	Type No.
Oil	4	30	21	NBR	-40 – +95	Compr. Air	black	75°	50	SGOR-N
Steam	4	30	21	TFEP	-15 – +200	Steam	red	65°	10	SDOR-N

Original MODY-Rubber Rings – Old Version (Only suitable for MODY-Couplings with old seal holder!)

Resist.	L	D	D1	Material	Temp.°C	Media	Colour	Shore A	Weight	Type No.
Oil	7	33	21	NBR	-40 – +95	Compr. Air	black	60°	50	SGOR

All types also available coloured (powder-coated)! Surcharge 3.96 Euro/ piece



RAL 5010



RAL 6029

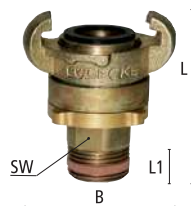
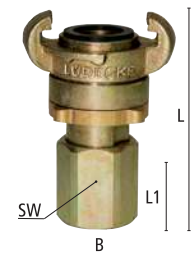
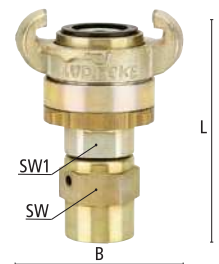


RAL 1004



RAL 2002

Ⓢ Minimum quantity per type: 100 piece!



Claw Couplings

with Brass Seal

- Robust claw couplings made of malleable iron zinc-plated and yellow passivated (free of chrome VI) with safety notches
- 100 % function check and sight control
- With brass seal, oil-resistant hose ring and zinc-plated screw
- Easy to couple, no loosening or sticking of the seal by itself when coupled
- Always needs to be coupled with a standard claw coupling with rubber seal!
- **Universal couplings for compressed air supply in construction and industry, mainly used at the compressor or air tool**

Materials

- Claw, connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Screw: Steel zinc-plated and yellow passivated (free of chrome VI) • Seals: Brass

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 10 bar	-40°C – +95°C	ISO 228	42 mm	Compressed Air	10

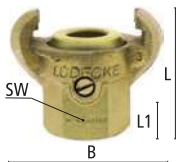


Claw Couplings with hose barb and brass seal

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	78	63	39	8.5	212	SKM 13*
Hose i.D. 15	88	63	39	11	226	SKM 15*
Hose i.D. 19	84	63	46	15	211	SKM 19
Hose i.D. 25	84	63	46	19	225	SKM 25

For hose clamps type SL DIN 20039 A (© page 253)

*two parts with thread stem made of steel



Claw Couplings with female thread and brass seal

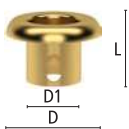
Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/2 f	50	32	63	14	17	220	KIM 12
G 3/4 f	50	32	63	14.5	17	200	KIM 34
G 1 f	52	41	63	17	17	260	KIM 10



Claw Couplings with male thread and brass seal

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/2 m	55	27	63	14	11	193	KAM 12
G 3/4 m	51	32	63	14	17	206	KAM 34
G 1 m	48	40	63	15	17	213	KAM 10

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



Original spare parts for claw couplings with brass seal

Type	L	D	D1	Material		Weight	Type No.
Brass sleeve	21	32	17	Brass	10	12.5	MOOH
Hose ring	12	28	23	NBR	100	3.2	SOOR
Steel screw M5	14	7	-	Steel zinc-pl. + yellow pass.	100	2	HOOS



Claw Couplings

with Bore for Safety-Clips

- Robust claw couplings made of malleable iron zinc-plated and yellow passivated (free of chrome VI)
- 100 % function check and sight control
- With oil-resistant rubber ring GOER, on request with steam resistant rubber ring GDOR (up to +200°C), surcharge: 6.72 Euro
- When coupled, can be secured against accidental opening through safety-clips DIN 11024
- Universal coupling, used worldwide mainly in mining or tunnelling

Materials

- Claw, connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Seals: NBR

Max. Working Pressure	Temperature	Thread	Claw distance	Media	☒
PN 10 bar	-40°C – +95°C	ISO 228, NPT	42 mm	Compressed Air	10

Claw Couplings with hose barb and safety collar

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	74	63	40	8.5	167	SKSS 13
Hose i.D. 19	75	63	40	15	196	SKSS 19
Hose i.D. 25	75	63	40	19	222	SKSS 25

For hose clamps DIN 20039 B, type SK (☒ page 253) safe hose assembly

Claw Couplings with female thread

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/2 f	37	27	63	14	18.5	141	KISS 12
G 3/4 f	39	32	63	14.5	20	145	KISS 34
G 1 f	41	41	63	18	20	182	KISS 10
NPT 1 f	41	41	63	18	20	180	KISS 10 NPT

Claw Couplings with male thread

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/2 m	49	27	63	14	13	170	KASS 12
G 3/4 m	49	32	63	15	17	182	KASS 34
G 1 m	53	39	63	15.5	20	199	KASS 10

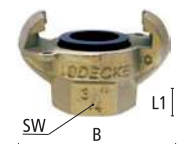
Male thread sealing with PVC sealing ring type HPD (☒ page 212)

Original Rubber Rings

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A	☒	Weight	Type No.
Oil	11	34	20	NBR	-40 – +95	Compr. Air	black	65°	100	6	GOER
Steam	10	33	20	TFEP	-15 – +200	Steam	red	65°	10	6	GDOR

Universal Safety-Clips DIN 11024

L	B	D	Material	☒	Weight	Type No.
63	27	3	Steel zinc-plated	50	10	USC-1



Claw Couplings

Left-Closing and Coloured

100 %

- Easy handling
- Safe
- Leakage-proof

- Robust claw couplings made of malleable iron/ steel zinc-plated and yellow passivated (free of chrome VI) with safety notches and locking nut on female claw couplings left-closing
- 100 % function check and sight control
- With oil-resistant rubber ring SGOR-N, on request with steam resistant rubber ring SDOR-N (up to +200°C), with brass seal and standard seal
- Due to left-closing mechanism, the couplings cannot be connected with standard claw couplings (right-closing), additional warning through flaps at the claws or colour coding
- **Mainly used in chemical and petrochemical industry to make false coupling impossible when using different media, e.g. compressed air, steam, gas, nitrogen**

Materials

- Claw: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Connector: Steel zinc-plated and yellow passivated (free of chrome VI)
- Locking nut: Brass MS 58 plain
- Seals: NBR/ Brass

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 16 bar	-40°C – +95°C	ISO 228	42 mm	various	1

Claw Couplings left-closing with hose barb

Hose connection	L	B	L1	Passage	Typ	Version	Seal	Weight	Type No.
Hose i.D. 19	100	85	41	16	MODY	w/o safety collar	NBR	340	SSGL 19
Hose i.D. 19	112	85	40.5	16	MODY	w safety collar	NBR	367	SSGL 19 S
Hose i.D. 19	84	85	49	16	MS-Seal	w/o safety collar	Brass	240	SKML 19

Other sizes on request.

For hose clamps DIN 20039 A or B (☺ page 253)

Claw Couplings left-closing with female thread

Thread connection	L	SW	B	L1	Passage	Typ	Seal	Weight	Type No.
G 3/4 f	38	40	85	16	20	Standard	NBR	210	KIGL 34
G 3/4 f	93	32	85	20	19	MODY	NBR	434	SSGIL 34
G 1 f	39	40	85	18	20	Standard	NBR	180	KIGL 10

Other sizes on request.

Couplings left-closing with male thread

Thread connection	L	SW	B	L1	Passage	Typ	Seal	Weight	Type No.
G 3/4 m	73	24	85	15	19	MODY	NBR	339	SSGAL 34

Other sizes on request.

Original Standard-Rubber Rings

(☺ page 212)

Original MODY-Rubber Rings - Standard Version

(☺ page 215)

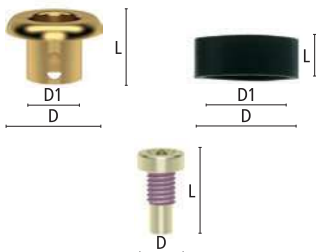
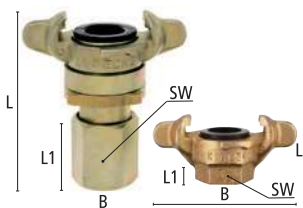
Original MODY-Rubber Rings - Old Version

(☺ page 215)

Original Spare Parts for Claw Couplings with Brass Seal

Type	L	D	D1	Material		Weight	Type No.
Brass sleeve	21	32	17	Brass	10	12.5	MOOH
Hose ring	12	28	23	NBR	100	3.2	SOOR
Steel screw M5	14	7	-	Steel zinc-pl. + yellow pass.	100	2	HOOS

All types also available coloured (powder-coated)! Surcharge 3.96 Euro/ piece



RAL 5010



RAL 6029



RAL 1004



RAL 2002

...others on request.

☺ Minimum quantity per type: 100 pieces!

Claw Couplings

made of Hardened Steel, Interchangeable with Type „Atlas Copco“

- Durable, extremely robust claw coupling made of steel, additionally hardened, zinc-plated and yellow passivated (free of chrome VI), equivalent to type Atlas Copco
- With oil-resistant rubber ring GOER, on request with steam resistant rubber ring GDOR (up to +200°C), surcharge: 6,72 Euro
- Maximum bore for maximum flow rate to reach best tool performance
- Turned stem profile for perfect hose fit - Turned gasket seat, therefore 100 % leakage-proof
- High-quality coupling for compressed air supply in construction and industry


Materials

- Claw, connector: Steel hardened, zinc-plated and yellow passivated (free of chrome VI)
- Locking nut: Brass MS 58 plain
- Seals: NBR

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 16 bar	-40°C – +95°C	ISO 228, NPT	42 mm	Compressed Air	10

Claw Couplings with hose barb

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 10	63	62	35	8	141	ACK 38 T
Hose i.D. 12.5	63	62	35	10.5	136	ACK 12 T
Hose i.D. 20	70	62	45	17	165	ACK 34 T
Hose i.D. 25	73	62	46	20	173	ACK 10 T

For hose clamps DIN 20039 A, type SL ( page 253)

Swivelling version on request.




Claw Couplings with female thread

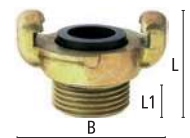
Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 f	40	62	16	15	182	ACK 38 I
G 1/2 f	40	62	16	19	203	ACK 12 I
G 3/4 f	40	62	16	20	176	ACK 34 I
NPT 3/4 f	40	62	16	20	176	ACK 34 I-NPT
G 1 f	40	62	17	20	160	ACK 10 I
NPT 1 f	40	62	17	20	155	ACK 10 I-NPT




Claw Couplings with male thread

Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 m	40	62	14	11	142	ACK 38 A
G 1/2 m	40	62	14	15	152	ACK 12 A
G 3/4 m	40	62	15	19	148	ACK 34 A
NPT 3/4 m	41	62	16	19	150	ACK 34 A-NPT
G 1 m	40	62	15	20	152	ACK 10 A

Male thread sealing with PVC sealing ring type HPD and original rubber rings ( page 212)





Blank Ends

Version	L	B		Weight	Type No.
without chain	40	62	10	140	ACKO
with chain	40	62	10	150	ACKM
chain (spare part)	200	-	25	7	VKM-K



MODY-Safety-Screwing Couplings with hose barb and thread-protective ring and new sealing-ring, on both sides guided in seal holder

Hose connection	L	B	L1	Passage		Weight	Type No.
Hose i.D. 12.5	92	62	41	10	5	321	ACS 13
Hose i.D. 19	92	62	41	17	5	331	ACS 19
Hose i.D. 25	92	62	41	19	5	356	ACS 25

For hose clamps DIN 20039 A, type SL ( page 253)



Original MODY-Rubber Rings – Standard and Old Version

( page 215)

Claw Couplings

made of Forged Brass MS 58

- "French System" with a claw distance of 42 mm
- Universal couplings made of brass MS 58
- With oil-resistant rubber ring MK 42 ER
- Turned gasket seat, therefore 100 % leakage-proof
- According to NF E 29-573
- For compressed air and water supply in construction, agriculture and industry

Materials

- Claw, connector: Brass MS 58 plain
- Seals: NBR

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 10 bar	-40°C – +95°C	ISO 228	42 mm	Compressed Air, Water	10

Claw Couplings with hose barb

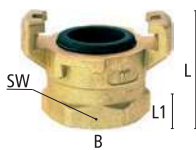
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 6	76	57	39.5	6	115	MKS 42-6
Hose i.D. 10	69	57	36.5	8	120	MKS 42-10
Hose i.D. 13	69	57	36.5	10	130	MKS 42-13
Hose i.D. 16	69	57	36.5	12	131	MKS 42-15
Hose i.D. 19	69	57	36.5	15	155	MKS 42-19
Hose i.D. 25	69	57	40	21	180	MKS 42-25

For hose clamps/clips type SL, type HS, ZOS, LPH (© page 397 - 401)



Claw Couplings with female thread

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/4 f	38	17	57	13.5	8	93	MKI 42-14
G 3/8 f	33	21	57	10.5	12	97	MKI 42-38
G 1/2 f	33	26	57	11.5	15	101	MKI 42-12
G 3/4 f	36	32	57	14	21	119	MKI 42-34
G 1 f	38	39	57	15	21	124	MKI 42-10
G 1 1/4 f	43	47	57	15	21	166	MKI 42-54



Claw Couplings with male thread

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/4 m	43	17	57	10.5	7	104	MKA 42-14
G 3/8 m	45	21	57	11	10	102	MKA 42-38
G 1/2 m	42	24	57	10	14	112	MKA 42-12
G 3/4 m	43	30	57	11	19	135	MKA 42-34
G 1 m	43	34	57	11	21	140	MKA 42-10
G 1 1/4 m	46	44	57	13	21	193	MKA 42-54

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



Claw Couplings with blank ends

Version	L	B	Weight	Type No.
without chain	29	57	93	MKO 42



Original Rubber Ring

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A	Weight	Type No.	
Oil	10	34.5	21	NBR	-40 – +95	Air/Water	black	55°	10	5	MK 42 ER



Claw Couplings

US-Version with Bore for Safety-Clips

- Robust claw couplings made of malleable iron, US-Version, zinc-plated and yellow passivated (free of chrome VI)
- 100 % function check and sight control
- With oil-resistant rubber ring GOOR
- When coupled, can be secured against accidental opening through safety-clips DIN 11024
- US-universal coupling, common used system for compressed air supply in construction and industry

Materials

- Claw, connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Seals: NBR

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 10 bar	-40°C – +95°C	ISO 228, NPT	41 mm	Air a.o.	10

US-Claw Couplings with hose barb and safety collar

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 10	75	62	32	6	162	SKA 11*
Hose i.D. 13	88	62	42	9	182	SKA 13
Hose i.D. 19	105	62	56	14	244	SKA 19
Hose i.D. 25	107	62	59	20	286	SKA 25

For US-hose clamps (© page 254)

*SKA 11 two parts with thread stem made of steel

US-Claw Couplings with female thread

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 3/8 f	57	27	62	13.5	15	180	KIA 38 BSP
NPT 3/8 f	57	27	62	13.5	15	187	KIA 38
G 1/2 f	57	27	62	13.5	18	173	KIA 12 BSP
NPT 1/2 f	57	27	62	13.5	18	181	KIA 12
G 3/4 f	57	36	62	15	20	195	KIA 34 BSP
NPT 3/4 f	57	36	62	15	20	201	KIA 34
G 1 f	57	42	62	15	20	208	KIA 10 BSP
NPT 1 f	57	42	62	15	20	218	KIA 10


US-Claw Couplings with male thread

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 3/8 m	56	29	62	14	9	200	KAA 38 BSP
NPT 3/8 m	64	29	62	15	9	180	KAA 38
G 1/2 m	56	29	62	14	12	210	KAA 12 BSP
NPT 1/2 m	64	29	62	20	12	190	KAA 12
G 3/4 m	64	34	62	16	17	225	KAA 34 BSP
NPT 3/4 m	70	34	62	20	17	224	KAA 34
G 1 m	68	38	62	18	20	250	KAA 10 BSP
NPT 1 m	72	38	62	23	20	260	KAA 10

US-Claw Couplings with blank end

Version	L	B	Weight	Type No.
without chain	55	62	215	UDM

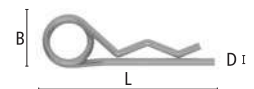
Original Rubber Ring

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Oil	10.5	34	20	NBR	-40 / +95	Compr. Air	black	50 °	100	6	GOOR

Universal Safety Clips DIN 11024

L	B	D	Material		Weight	Type No.
27	63	3	Steel zinc-plated	50	10	USC-1

Coupling not possible with claw distance of 42 mm



Claw Couplings

US-Version with Bore for Safety-Clips MODY-Safety-Screwing Couplings

100 % - Easy handling
- Safe
- Leakage-proof

- High-quality MODY-safety-screwing couplings, hose stem with special contour
- Reinforced thread protection ring and new sealing ring, holder embedded in coupling body
- With oil resistant rubber ring, on request with steam resistant rubber ring made of TFEP (up to +200°C)
- 100 % leakage-proof, reduces expensive air consumption
- 100 % function check and sight control
- Easy to couple, secured against accidental opening through tightening the locking nut, additional safety with safety-clips DIN 11024
- Maximum bore for maximum flow rate
- For absolutely safe compressed air supply in construction and industry

Materials

- Claw: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Connector: Steel zinc-plated and yellow passivated (free of chrome VI)
- Locking nut: Brass MS 58 plain
- Seals: NBR

Coupling not possible with claw distance of 42 mm

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 16 bar	-40°C – +95°C	ISO 228, NPT	41 mm	Compressed Air	5

US-MODY-Safety-Screwing Couplings with hose barb and safety collar

Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 10	111	62	41	21	6.5	320	SSC 10
Hose i.D. 13	118	62	41	24	10	360	SSC 13
Hose i.D. 19	120	62	40.5	34	15	385	SSC 19
Hose i.D. 25	120	62	40.5	39	18	420	SSC 25

For US-hose clamps (© page 254)



US-MODY-Safety-Screwing Couplings with female thread

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 3/8 f	64	24	62	13	13	250	SSCI 38
NPT 3/8 f	64	24	62	13	13	252	SSCI 38 NPT
G 1/2 f	65	24	62	15	17	280	SSCI 12
NPT 1/2 f	65	24	62	15	17	290	SSCI 12 NPT
G 3/4 f	92	32	62	20	17	420	SSCI 34
NPT 3/4 f	92	32	62	20	17	420	SSCI 34 NPT



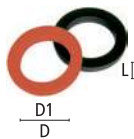
US-MODY-Safety-Screwing Couplings with male thread

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 3/8 m	72	24	62	13	10	260	SSCA 38*
NPT 3/8 m	72	24	62	13	10	270	SSCA 38 NPT
G 1/2 m	74	24	62	14	13	260	SSCA 12*
NPT 1/2 m	74	24	62	14	13	270	SSCA 12 NPT
G 3/4 m	75	24	62	15	17	270	SSCA 34*
NPT 3/4 m	75	24	62	15	17	280	SSCA 34 NPT

*with LÜDSY- Thread sealing

Original MODY-Rubber Rings – Standard Version

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A	Weight	Type No.	
Oil	4	30	21	NBR	-40 – +95	Compr. Air	black	75°	50	1.7	SGOR-N
Steam	4	30	21	TFEP	-15 – +200	Steam	red	65°	10	1.7	SDOR-N





Complete Screwing Sets, FlatLock Flat Hose Screwings, Connecting Nipples, Hose Connections



For media supply (especially for compressed air and water) in construction as well as in mining and tunnelling, the **LUDECKE** product portfolio comprises a broad range of different screwings, assembly types and matching accessories.

The screwings and fittings are extremely robust and resistant to dirt or damages. They also offer highest safety and optimum ease of use when assembling various hoses.

The appropriate version is always adjusted to the specific hose and customised.

Advantages:

- High-quality materials
- Robust, reliable, absolutely leakage-proof and durable
- Quick and easy handling
- Different sizes, versions and connection types
- Individual adjustment of the respective execution

Multifunctional Use

The different versions of this product range can be utilized in various areas and are a tidy alternative to conventional classic fittings and assembly methods.



Note: In general, the distributor of a hose line can be held liable for possible recourse claims due to personal injury and/or damage to property as well as production downtime! For this reason, we are happy to help you select the right solution for your application. Various product and safety data sheets are always available free of charge on the **LUDECKE** homepage (→ www.ludecke.com/support).

Complete Screwing Sets



Complete Screwing Sets are extremely robust fittings for construction and mining.

They are easy to use: A tapered stem with connecting nut is screwed with a nipple with cone. Taper and cone are sealing against each other without further sealing material.

Flat sealed versions can be combined with versions, that have no cone ("Atlas Copco" system).

FlatLock Flat Hose Screwings



Customers looking for a secure way to assemble flat hoses, will find the right solution with the FlatLock flat hose screwings. These fittings are characterised by easy installation and perfect ergonomics when assembling thin walled flat hoses. They can be loosened and reused at any time.

This extremely safe and reliable hose connection is available for the following coupling systems:

- MODY-Safety-Screwing Couplings DIN 3238
- Female and male thread screwings
- Complete Screwing Sets DIN 20 033

In addition to the standard range, we also manufacture flat hose screwings according to certain specifications or hose samples including assembly recommendations for crimping ferrule, safety clamp, wire or steel band.

Hot Tar Screwings



The **LUDECKE** hot tar screwings are made of steel/ malleable iron zinc-plated and yellow passivated (free of chrome VI) and are used to connect hoses to tar spraying equipment, lances, etc.

They are operated by a wing nut and a tapered stem with a safety collar.

Thread Stems and Hose Connections



Thread stems and hose connections are applied in different areas to connect or extend hose lines.

Overview of Screwings

Complete Screwing Sets

DIN 8537/ 20 033



Flat Hose Screwings

DIN 3238/ 20 033



Flat
Lock
by **LUDECKE**

Hot Tar Screwings



Materials		Materials		Materials	
Tapered stem:	Steel/ Malleable iron (zinc-plated + yellow passivated)	Connecting nut:	Malleable iron (zinc-plated + yellow passivated)	Tapered stem:	Steel (zinc-plated + yellow passivated)
Connecting nut:	Malleable iron (zinc-plated + yellow passivated)	Hose connections, squeeze ring, squeeze nut:	Steel (zinc-plated + yellow passivated)	Wing nut:	Malleable iron (zinc-plated + yellow passivated)
Seals:	NBR	Locking nut:	MS 58 plain	Nipple:	Steel (zinc-plated + yellow passivated)
Max. Working Pressure:	PN 16/ 25 bar*	Seals:	NBR	Max. Working Pressure:	PN 25 bar
Temperature:	-40°C - + 95°C	Max. Working Pressure:	PN 16/ 25 bar*	Temperature:	up to +200°C
Thread types:	ISO 228/ DIN 405	Temperature:	-40°C - + 100°C	Thread types:	ISO 228
Page:	227	Thread types:	ISO 228/ DIN 405	Page:	235
		Page:	232		

*subject to temperature and assembly method

Double Nipples



Connecting Nipples



Thread Stems



Hose Connections



Thread Ferrule Screwings



Materials		Materials		Materials		Materials	
Body:	Steel (zinc-plated + yellow passivated)	Steel/ Malleable iron (zinc-plated + yellow passivated)	Steel (zinc-plated + yellow passivated)	Steel (zinc-plated + yellow passivated)	Steel (zinc-plated + yellow passivated)	Steel (zinc-plated + yellow passivated)	Steel (zinc-plated + yellow passivated)
Max. Working Pressure:	PN 25 bar	PN 25 bar	PN 16/ 25 bar	PN 16/ 25 bar	PN 16/ 25 bar	PN 16/ 25 bar	PN 16/ 25 bar
Thread types:	ISO 228/ DIN 405	ISO 228/ DIN 405	ISO 228/ DIN 405	-	-	ISO 228	ISO 228
Page:	234	234	236	237	237	237	237

Complete Screwing Sets

DIN 8537/20 033 with Hose Stem

- Complete screwing sets made of steel/ malleable iron zinc-plated and yellow passivated (free of chrome VI), consisting of connecting nut and tapered stem
- Complete screwing sets with safety collar and turned stem profile for perfect hose fit
- Tapered stems with cone 1:3 always with additional O-ring sealing
- Suitable for connecting nipples (☺ page 234/ 235)
- Worldwide used system for compressed air supply water, etc. in construction, mining or tunnelling

Materials

- Tapered stem: Steel/ malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Connecting nut: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Seals: NBR

Max. Working Pressure	Temperature	Thread	Norm	Media
PN 16 / 25 bar	- 40°C – + 95°C	ISO 228 / DIN 405	DIN 8537 / 20 033	Compressed Air / Water

Complete Screwing Sets with safety collar

Hose connect.	Thread connect.	L	B	Cone	∅Collar	Passage	Weight	Type No.
Hose i.D. 13	G 3/4 f	79	58	1:4	21	10	166	34/13 S
Hose i.D. 15	G 3/4 f	79	58	1:4	26	12	175	34/15 S
Hose i.D. 19	G 3/4 f	80	58	1:4	33	13	200	34/19 S
Hose i.D. 19	G 1 f	85	65	1:3	33	15	244	10/19 S
Hose i.D. 25	G 1 f	90	65	1:3	38	16	290	10/25 S
Hose i.D. 13	Rd 32x1/8 f	83	65	1:3	22	10	249	32/13 S
Hose i.D. 15	Rd 32x1/8 f	85	65	1:3	26	12	229	32/15 S
Hose i.D. 19	Rd 32x1/8 f	85	65	1:3	33	15	251	32/19 S
Hose i.D. 25	Rd 32x1/8 f	90	65	1:3	38	16	310	32/25 S
Hose i.D. 25	Rd 38x1/8 f	98	76	1:3	38	19	426	38/25 S
Hose i.D. 32	Rd 46x1/6 f	124	86	1:3	50	25	685	46/32 S
Hose i.D. 35	Rd 55x1/6 f	131	95	1:3	55	30	829	55/35 S
Hose i.D. 38	Rd 55x1/6 f	131	95	1:3	55	31	864	55/38 S
Hose i.D. 42	Rd 62x1/6 f	139	105	1:3	63	35	1216	62/42 S
Hose i.D. 38	Rd 75x1/6 f	140	137	1:3	55	31	1420	75/38 S
Hose i.D. 50	Rd 75x1/6 f	149	137	1:3	77	45	1725	75/50 S
Hose i.D. 53	Rd 75x1/6 f	149	137	1:3	77	45	1848	75/53 S
Hose i.D. 75	Rd 105x1/4 f	206	158	1:3	110	67	3974	105/75 S



For hose clamps DIN 20039 B, type SK (☺ page 253)

For higher temperatures and pressure we recommend steam screwings DIN EN 14423 (☺ page 340)

FlatLock Flat Hose Screwings (☺ page 232)

We also manufacture flat hose screwings according to certain specifications or hose samples including assembly recommendations for crimping ferrule, safety clamp, wire or steel band. Various types on stock!



NEW!

High pressure applications:

For products that require 40 bar to 100 bar operating pressure, please contact our expert sales team.


Connecting Nuts and Tapered Stems

DIN 8537/20 033

- Screwings with cone made of steel/ malleable iron zinc-plated and yellow passivated (free of chrome VI), consisting of connecting nut and tapered stem without safety collar
- Turned stem profile for perfect hose fit
- Tapered stems with cone 1:3 always with additional O-ring sealing
- Suitable for connecting nipples (☺ page 234/ 235)
- Worldwide used system for compressed air supply, water, etc. in construction, mining or tunnelling

Max. Working Pressure	Temperature	Media
PN 16 / 25 bar	- 40°C – + 95°C	Compressed Air / Water

Connecting Nuts made of malleable iron corresponding to →


Thread connection	L	B	Passage		Weight	Type No.
G 3/4 f	23	58	21.5	10	92	UM 34
G 1 f	28	65	23	10	133	UM 10
Rd 32x1/8 f	28	65	23	10	139	UM 32
Rd 32x1/8 f	28	65	27,5	10	129	UM 32/2
G 1 f	28	65	27,5	10	124	UM 10/2
Rd 38x1/8 f	33	76	29	10	234	UM 38 UM 38-L
Rd 46x1/6 f	36	86	35	1	301	UM 46
Rd 55x1/6 f	38	95	43	1	378	UM 55
Rd 62x1/6 f	44	105	49	1	555	UM 62
Rd 75x1/6 f	50	137	61	1	797	UM 75
Rd 105x1/4 f	60	158	89	1	1545	UM 105



Materials

- Connecting nut: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Tapered stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Seals: NBR

Tapered stems made of steel

Hose connection	L	B	Cone		Weight	Type No.
Hose i.D. 13	79	24	1:4	10	74	T 13 B
Hose i.D. 15	79	24	1:4	10	72	T 15 B
Hose i.D. 19	80	24	1:4	10	94	T 19 B
Hose i.D. 13	80	28	1:3	10	104	ST 13 B
Hose i.D. 15	80	28	1:3	10	83	ST 15 B
Hose i.D. 19	80	28	1:3	10	100	ST 19 B
Hose i.D. 19	80	28	1:3	10	105	ST 19 B-PH*
Hose i.D. 13	80	28	1:3	10	104	ST 13 B
Hose i.D. 15	80	28	1:3	10	83	ST 15 B
Hose i.D. 19	80	28	1:3	10	100	ST 19 B
Hose i.D. 19	80	28	1:3	10	109	ST 19 B-PH*
Hose i.D. 25	85	29	1:3	10	163	ST 25 B/3
Hose i.D. 25	85	30	1:3	10	148	ST 25 B/2
Hose i.D. 25	90	33	1:3	10	164	ST 25 B
Hose i.D. 25	88,5	33	1:3	10	200	ST 25 B-PH*
Hose i.D. 32	120	40	1:3	1	355	ST 32 B
Hose i.D. 38	125	48	1:3	1	465	ST 38 B
Hose i.D. 38	110	48	1:3	1	420	ST 38 B-PH*
Hose i.D. 42	130	57	1:3	1	558	ST 42 B
Hose i.D. 50	140	68	1:3	1	896	ST 50 B
Hose i.D. 53	140	68	1:3	1	947	ST 53 B
Hose i.D. 75	189	98	1:3	1	1990	ST 75 B



For hose clamps DIN 20039 A, type SL (© page 253)

*for hydraulic crimping with ferrule (© page 245)

other types also available on request!