# Construction Industry


MADE IN GERMANY
EFFICIENCY by LÜDECKE
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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# Construction Industry



**Claw Couplings**



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

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# Construction Industry

# Strong Couplings
## for Rough and Extreme Applications

Whether in classic construction, mining and tunneling, ship yards or petro-chemical, as well as steel or food industry: In such applications coupling systems are requested to withstand extreme tasks and environmental influences.

The **LÜDECKE** construction product portfolio offers high-quality and robust products - optimized for various application areas and different media.

**Advantages:**

- High-quality and especially firm materials
- Robust, reliable, absolutely tight and durable
- Simple and intuitive handling
- Different sizes and connection types

## Quality and Service


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

Engineered and Made in Germany - with this promise we guarantee not only products with high-quality materials, but also a comprehensive customer service.

On the following pages you can find information on how important it is to use high quality couplings and fittings. Avoid any kind of safety issues with the **LÜDECKE** construction range, which is tested and meets the DIN regulations.

NEW!

Use the opportunity at **LÜDECKE** to get the perfect assembly to your desired hose. We are pleased to help you select the right fitting and assembly method (page 222)

# Wide Selection

The **LÜDECKE** product range for construction industry fittings contains robust and over decades proven coupling systems, for the usage in harsh environments. From the classic claw couplings, mortar couplings and sandblast couplings up to hose clamps and throttle valves in nearly all known variations and profiles.

**Claw Couplings**


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


**Mortar Couplings and Plugs**

**Sandblast Couplings**

**Hose Clamps and Hose Clips**


**Ball Valves and Throttle Valves**

If no coupling system in this product range meets with your requirements, we would be pleased to design a customized version together with you.


# Highest Quality for Safe Working

## Avoid Safety Risks through Quality

## Enormous Hazard Potential Caused by Inferior Material


Above: Original **LUDECKE** hose clamp DIN 20039 (malleable iron)
Below: Counterfeit from the Far East (no manufacturer's branding, inferior material)

Often cheap copies are offered on the claw coupling market – mostly with low grade casted material and poorly manufactured.

Also hose sets are highly affected due to the use of low quality hose clamps which are assembled and supplied, mostly from the Far East.

The use of such assemblies (couplings and hose clamps) contain an uncontrollable risk in operation. Due to imprecise casted hose barbs and high tolerances of hose clamps, a safe fitting on the hose barb cannot be guaranteed.

Many casted components show significant tolerances, which often leads to leakages and does not allow a tight and safe connection.

## Copies of Standardized Compressed Air Fittings often show a High Potential of Cracking

Geometric differences of the fittings are one visual part of the overall hazardous potential. More difficult to recognize is the fact, that copies are often manufactured with low quality materials and non-approved materials are used, i.e. white iron. The components may easily break or crack under heavy-duty utilization (i.e. assembled on strongly vibrating machines).

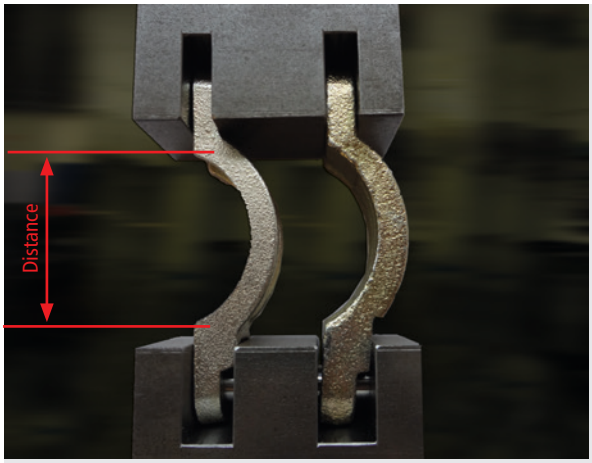

Original **LUDECKE** Claw Coupling
(DIN 3489)

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

Torn off claw within a very short period of time

**The above mentioned couplings and clamps contain an enormous safety risk in operation!
For safety reasons we strongly recommend not to use these products. These products do not at all comply with DIN 3489/3238 for claw couplings and DIN 20039 for clamps.**

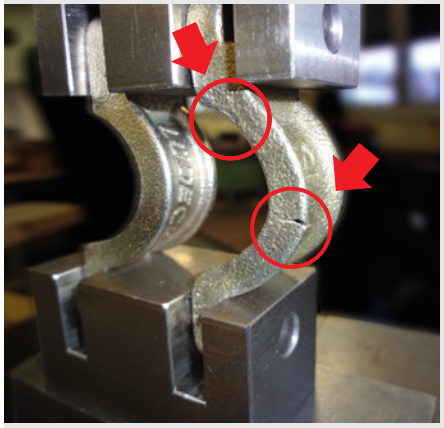
# Breakage Test with Hose Clamps



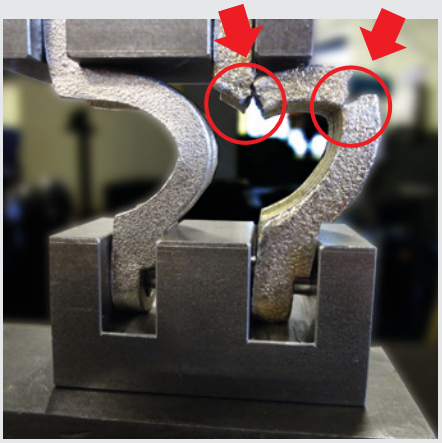

Test Setup - distance of 44,7 mm (left hand LÜDECKE hose clamp, right hand: counterfeit from far east)

To illustrate the differences between the material qualities, LÜDECKE conducted a fracture test with two hose clamps (original LÜDECKE-hose clamp vs. a counterfeit from Far East). The hose clamps were inserted into a hydraulic press and tested under pressure.

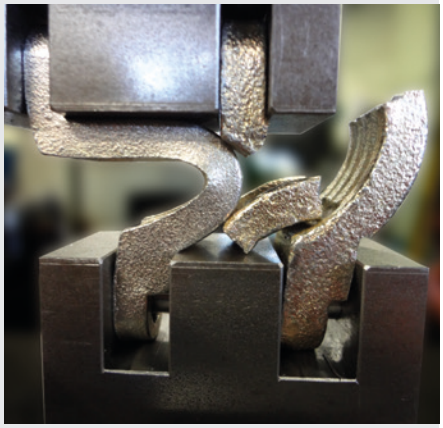
Increasing the pressure at a distance of 40 mm the Far East counterfeit already shows cracking. While increasing the pressure slightly the clamp breaks completely. The original LÜDECKE hose clamp made of malleable iron does not break despite major deformation.



Distance of 40 mm (no cracks in the LÜDECKE hose clamp, cracking in the counterfeit)



Distance of 28 mm (no rupture in the LÜDECKE hose clamp, complete break in the counterfeit)



Distance of 23 mm (no cracks in the LÜDECKE hose clamp, completely destroyed counterfeit)

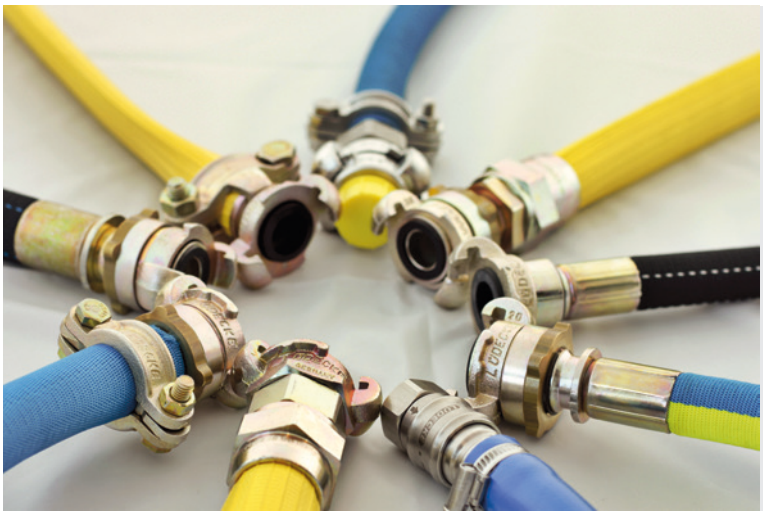
# Safety by High-Quality and Standardized Components

To avoid such safety risks the following essential facts requires your attention:

- White iron and other inferior materials are hard and very brittle due to the high amount of cementite steel and therefore are inappropriate materials for heavy duty applications
- The production of malleable iron cast is cost intensive and therefore expensive because it undergoes an additional annealing heat treatment. This results in strongly improved mechanical characteristics (ie. high tensile strength and ductility), and is therefore suitable in applications for components which are subject to strong dynamic strains (ie. vibrations), and high mechanical loads
- To avoid the utilization of plagiarism, it is necessary to ensure, that the products are marked with a manufacturer's branding according to the current standards
- Only components that are in compliance with the existing standards (DIN 3489, DIN 3238, DIN 20039) should be sold and installed

# Safe Assembly of Hoses with LÜDECKE as Developing Partner

## All relies on the Optimal Assembly

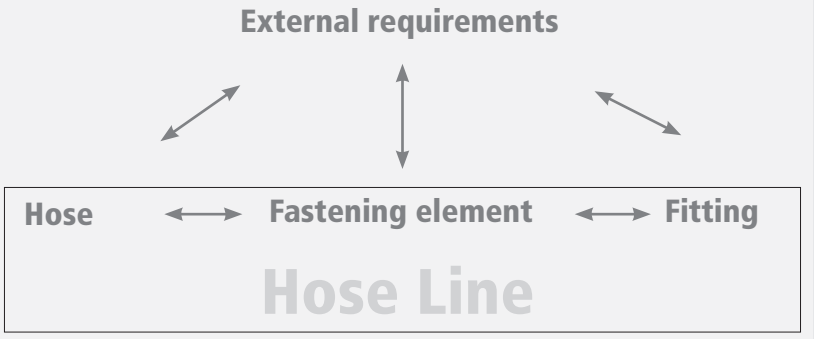


High-quality couplings and fittings are the premise for a reliable and safe operation - regardless of working area and used media.

However, only the functional interaction all of the affiliated components of a hose line achieves a permanent and satisfying result.

A hose line contains a flexible hose with fittings on both ends (e. g. hose couplings), which are assembled with fastening elements (e. g. clips, ferrules or clamps).

## Not always without Problems




Everyone who is involved with the assembly of fittings on hoses unavoidably encounters the following problems:

There are a number of **hose manufacturers** that, due to non-existent standards, offer different hoses for one and the same hose size and identical operational applications. The differences lie within the inner and outer diameter of the hose wall. Also, the construction and the material of the hose can vary.

On the other side, there are the **fittings and couplings manufacturers**. They offer a large number of various fittings and assembly methods for the standard hose sizes from the hose manufacturer. But just like for the hoses, there are also measurement tolerance requirements for the fittings. This could lead to differences in the form and measurements of the barb contours from different manufacturers.

Assembled hose lines often show strong behavior variations with pressure and temperature. This usually leads to large problems, subject to application, with the security of the assembled hose and fitting.
Furthermore, the requirements continually increase on hose lines in terms of resistance to pressure, environment, operating temperature, chemical substances and outer mechanical stress.

# Every Connection is only as Strong as its Weakest Link

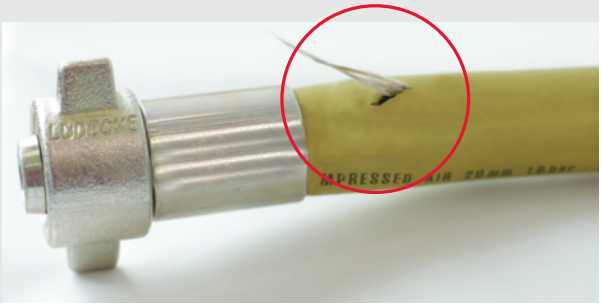
Information about the maximum working pressure and application temperature for the individual components of a hose line can usually be taken from a data sheet.

- → But what does the assembled state look like?
- → Is the barb contour suitable for special hoses?
- → How does the assembly behave when the hose heats during operation?

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

**Also, take into consideration that the distributor of such a hose assembly, generally, may be made liable for possible claim of compensation due to personal and/or material damages, as well as production downtime!**

Busted hose - **LÜDECKE** -fitting incl. assembly hold



## LÜDECKE - Your Competent Partner for Professional Hose Assemblies

We help you to eliminate possible insecurities right from the start and answer all of your questions.
Just send us your desired hose type – we will advise you to choose the right fitting and correct assembling method.

As an experienced manufacturer of high-quality fittings, you benefit from our know-how and our superior testing possibilities.
In addition, we employ accredited hose assembly inspectors and testers. When the hose line is complete and assembled, we test it under pressure and therefore a reliable statement over the reliability can be made.

With this said, you receive the optimal solution for the application from us!

**REQUIRED INFORMATION FOR THE TEST:**

- Sample of desired Hose
- Conducted Media
- Working and Environmental Temperatures
- Outer Stress (static/dynamic)
- Hose Line Working Pressure
- Height and Frequency of possible Pressure Surges

If you cannot find a suitable measured fitting for your hose, we can produce a customized solution from a specified quantity.

# Claw Couplings

## The Robust Classic

The **LÜDECKE** claw coupling is used worldwide in various compressed air applications in the industrial and construction industry.

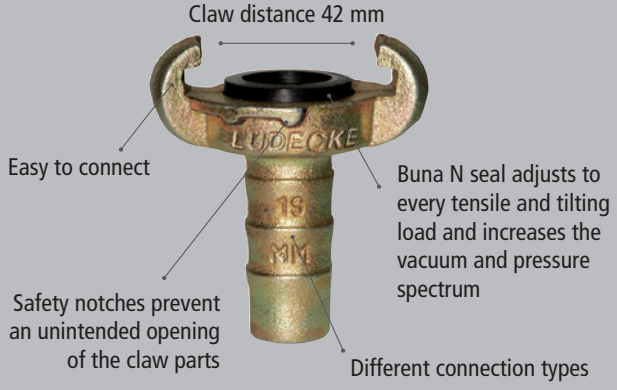
Malleable iron is the only material we use in our manufacturing process (exception is stainless steel for critical media). This cast material allows, due to its heating treatment, the required flexibility also for thin walled materials and complies with DIN 3489 and DIN 3238.

**Advantages:**

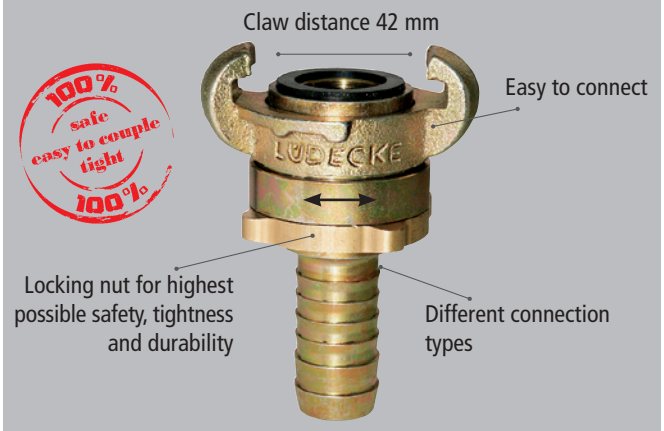
- High-quality materials
- Robust, realiable, absolutely tight and durable
- Simple and fast handling
- Increased safety with MODY-Safety-Screwing-Couplings and the use of claw couplings with safety collar
- Identical coupling head: connection versions and sealing systems can be connected with each other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

## Highest Quality for Carefree Working

### Hose Claw Coupling DIN 3489




### MODY-Safety-Screwing-Coupling DIN 3238




We recommend to use a standard claw coupling and a Mody Safety version. This connection is absolutely safe, easy to couple and 100 % tight.

# The Coupling Concept: Simply Brillant

Both claw heads are pushed together so the sealing surfaces are in touch. Then the two ends are turned (45 degree) until the claws are engaged.

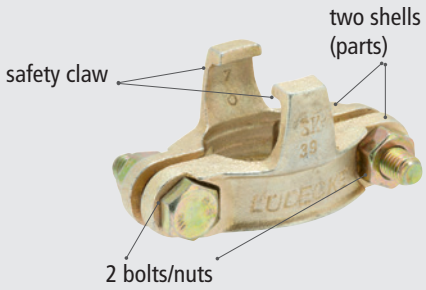
To disconnect press the two ends together, twist them backwards to open and take off one end.

To ensure a proper locking, the MODY Safety Screwing Coupling is locked with an additional locking nut underneath the claw head.

# Safe Hose Fit: Claw Couplings with a Safety Collar

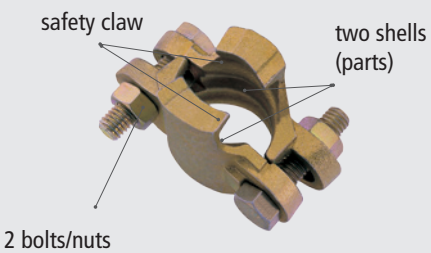
Most of the **LÜDECKE** claw couplings are available with an additional safety collar on the hose barb. In combination with our special safety clamps a perfect and ultimate tight fixing of a hose can be provided. The special claws of the clamp provide an interlock on the collar to the hose barb. These safety clamps prevent any kind of movement or even an unintended slip off the hose of the coupling barb. Additionally this design offers a technical and correct assembly of the hose – prevents wrong assembly.

## Claw Couplings with Safety Collar + Hose Clamp DIN 20039 B (Type SK)




To clamp the hose to the coupling barb we recommend to use a safety collar version (type SK acc. DIN 20039 B). This 2 part clamp contains spacers, extra safety claws and 2 bolts/ nuts.

## US-Claw Couplings with Safety Collar + US Hose Clamp (Typ LB/SKA/LBU)




For US versions, to clamp the hose to the coupling barb we recommend to use a US safety collar version.
Even the US clamp in 2 parts contains spacers, extra safety claws and 4 bolts/nuts.

# Claw Couplings acc. DIN 3238 – Overview

## DIN 3238 for claw couplings

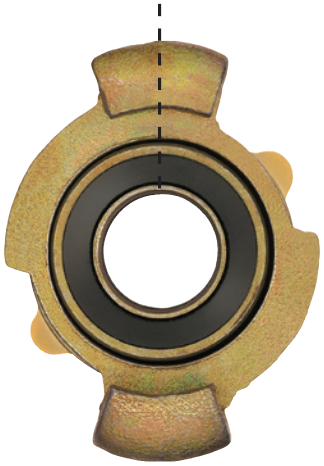
**Special requirements**

- 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 manufacturere markings!**
- Working pressure **max. 16 bar**
- **100 % visual control**
- **100 % function test with gauge (coupling control).**
- **Approved raw materials used only:**

Malleable Iron: EN-GJMW-400-5(EN-JM1030) according to DIN EN 1562
M1-Alloy: Alloy DIN 17660-CuZn39Pb2 (2.0380)
Steel: Type to be chosen by manufacturers
11SMnPb30 (1.0718) according to DIN EN 10087 · 11SMnPb30 (1.0718) according to DIN EN 10277-3
X5CrNi Mo 17-12-2 (1.4401) according to DIN EN 10088-1· G-X5CrNiMo 19-11-2 (1.4408) according to DIN EN 10213-4
G-X5CrNiMoNb 19-11-12 (1.4581) according to DIN EN 10213-4

- New seal
- New seal holder - 2 way guidance

New seal holder embedded in coupling body



## MODY-Safety-Screwing Couplings of Malleable Iron/Steel

SSG

SSGA

SSGI

colour coated

- Instead of expensive and unhandy hosebreak secure systems
- Easy to couple, secured against accidental opening: locking nut
- For absolutely safe air lines in construction and industry

**Technical data**

| | |
|---|---|
| Max.Working Pressure: | 16 bar |
| Temperature: | -40°C - +95°C |
| Material: | Malleable iron/steel |
| Media: | Compressed air |
| Claw Distance: | 42 mm |
| Material Seal: | Buna N |
| Threads: | DIN EN ISO 228-1 and ANSI/ ASME B 1.20.1 |

RAL 5010 RAL 6029
RAL 1004 RAL 2002

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## MODY-Safety-Screwing Couplings of Stainless Steel

EKS

EKSI

EKSA

- Of rust- and acid-resistant stainless steel 1.4305 with acid-resistant FKM rubber ring
- Investment casted, perfect surface finish
- For tank- or container construction in chemical or petrochemical industry as well as food- or drinking-water applications

**Technical data**

| | |
|---|---|
| Max. Working Pressure: | 16 bar |
| Temperature: | -30°C - +200°C |
| Material: | Stainless steel 1.4401,1.4404 |
| Media: | Chemical substances |
| Claw Distance: | 42 mm |
| Material Seal: | FKM |
| Thread: | ISO 228 |

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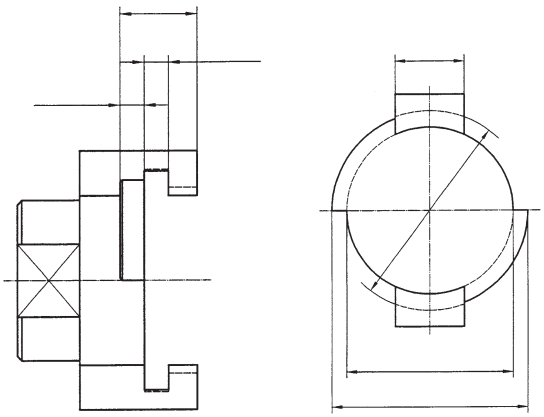
# Claw Couplings acc. DIN 3489 – Overview

## DIN 3489 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 % visual control required**
- **100 % function test with gauge (coupling control)**
- **Approved raw materials used only:**
  Malleable Iron: EN-GJMW-400-5(EN-JM1030) according to DIN EN 1562
  M1-Alloy: Alloy DIN 17660-CuZn39Pb2 (2.0380)
  Steel: Type to be chosen by manufacturer
  11SMnPb30 (1.0718) according to DIN EN 10087
  11SMnPb30 (1.0718) according to DIN EN 10277-3
  X5CrNi Mo 17-12-2 (1.4401) according to DIN EN 10088-1
  G-X5CrNiMo 19-11-2 (1.4408) according to DIN EN 10213-4
  G-X5CrNiMoNb 19-11-12 (1.4581) according to DIN EN 10213-4

Test gauge for claw couplings



## Claw Couplings Standard Version

**KAG**


**KIG**


**SKG**


**VKO**


- Universal coupling: worldwide system for compressed air in construction and industry

**Technical data**

| | |
|---|---|
| Max. Working Pressure: | 10 bar |
| Temperature: | -40°C - +95°C |
| Material: | Malleable iron |
| Media: | Compressed air |
| Claw Distance: | 42 mm |
| Material Seal: | Buna N |
| Thread: | ISO 228 |

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## Claw Couplings Swivelling

**KAG-DR**


**SKG-DR**

- 360° swivelling, easy to swivel under pressure, no hose twist
- For flexibility of compressed air lines in construction and industry
- When used as a threaded version and assembled on a tool – duration time up to 10 times longer vs a standard coupling (swivel function absorbs all vibrations)

**Technical data**

| | |
|---|---|
| Max. Working Pressure: | 10 bar |
| Temperature: | -40°C - +95°C |
| Material: | Malleable iron/steel |
| Media: | Compressed air |
| Claw Distance: | 42 mm |
| Material Seal: | Buna N |
| Thread: | ISO 228 |

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# Claw Couplings acc. DIN 3489 - Overview

## Claw Couplings of Stainless Steel

**EKA**

**EKT**

**EKI**

- Of corrosion-resistant stainless steel 1.4401 and 1.4404 with acid-resistant FKM rubber ring
- Investment casted, perfect surface finish
- For tank or container construction in chemical or petrochemical industry as well as food or drinking water applications

**Tecnical data**

| | |
|---|---|
| Max. Working Pressure: | 16 bar |
| Temperature: | -30°C - +200°C |
| Material: | Stainless steel 1.4401/ 1.4404 |
| Media: | Chemical substances |
| Claw Distance: | 42 mm |
| Material Seal: | FKM |
| Thread: | ISO 228 |

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# Other Claw Couplings

**Claw Couplings with Brass Seal**

- Prevents sticking of seals when coupled
- Always to be coupled with a standard claw coupling with Buna N seal
- Universal couplings for compressed air lines in construction or industry, mainly used directly on compressed air tools

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**Claw Couplings with Bore for Safety-Clips**

- Additional safety feature by using the safety-clips DIN 11024 to prevent unintentional opening
- Universal coupling, worldwide system mainly used in mining and tunneling

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**Claw Couplings Left-Closing and Colour Coated**

- Additional warning through ears at the claws or colour coated
- Cannot be connected with standard claw couplings (right-closing)
- Locking nut
- In chemical or petrochemical plants to avoid connection of different fluids i.a. compressed air, steam, gas media, nitrogen

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RAL 5010 RAL 6029 RAL 1004 RAL 2002

**Claw Coupling of Forged Steel, Compatible to Type "Atlas Copco"**

- Equivalent to type "Atlas Copco"
- Maximum bore for maximum flow capacity to reach full tool performance
- High quality coupling for compressed air in construction and industry

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**Claw Couplings of Forged Brass MS 58**

- "French System"
- **42 mm** claw distance
- For compressed air and water in construction, agriculture and industry

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**Claw Couplings US-Version with Bore for Safety-Clips**

- Robust standard couplings and MODY-Safety-Screwing Couplings
- 41 mm claw distance
- Additional safety feature by using the safety clips DIN 11024 to prevent accidential opening
- US-universal coupling, widely spread system for compressed air in construction and industry

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# Claw Couplings
## Swivelling, DIN 3489

- High quality couplings, head of malleable iron, thread connections and hose stem of turned steel with special profile, zinc-plated and yellow passivated (free of chrome VI) with safety notches
- 360° swivelling, easy turning under pressure, therefore no hose twist
- Sealing through 2 O-rings, swivelling on 2 teflon-discs, safe and protected
- 100 % tight through machined seal holder, standard rubber ring can be used (GOER)
- Full bore for increased flow capacity
- On request with steam resistant rubber ring GDOR against surcharge
- 100 % couple test and sight control
- For flexibility of compressed air lines 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)
- O-rings: Buna N

| 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 |

### Hose Claw Couplings

| 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 413) or crimping sockets type LPH (page 418)

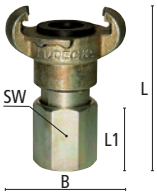

### Hose Claw Couplings with safety collar

| 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)

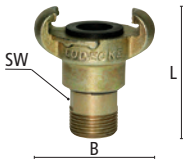

### Female Claw Couplings

| 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 |



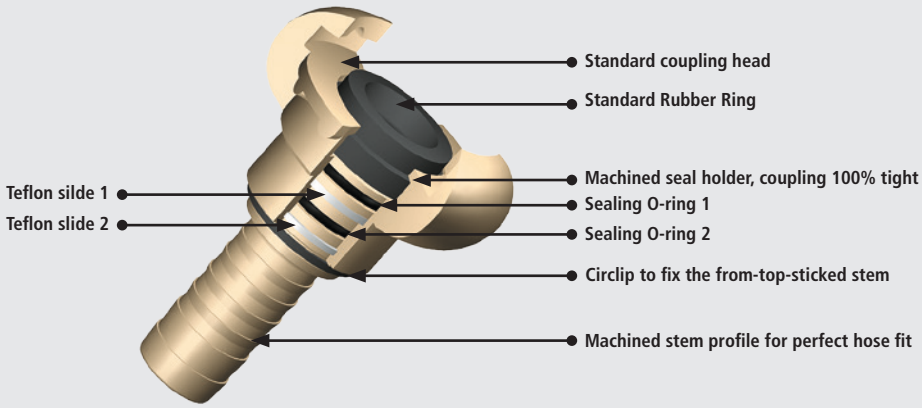

### Male Claw Couplings

| 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 | Buna N | -40 – +95 | Compr. air | black | 65° | 100 | 6 | GOER |
| Steam | 10 | 33 | 20 | TFEP | -40 – +200 | Steam | red | 65° | 10 | 6 | GDOR |

# Claw Couplings
## Standard Version DIN 3489

- Robust couplings of malleable iron, zinc-plated and yellow passivated (free of chrome VI) with safety notches
- 100 %couple test and sight control
- With oil-resistant rubber ring GOER, on request with steam-resistant rubber ring GDOR (up to 200°C) against surcharge
- Universal coupling, world-wide used system for compressed air in construction and industry

**Materials**

- Claw, connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

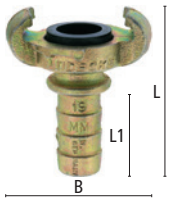
| Max. Working Pressure | Temperature | Thread | Norm | Claw Distance | Media | |
|---|---|---|---|---|---|---|
| PN 10 bar | -40°C – +95°C | ISO 228, ANSI/ ASME B 1.20.1 | DIN 3489 | 42 mm | Compressed Air | 10 |

**Hose Claw Couplings (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 413) or crimping sockets type LPH (page 418)

**Hose Claw Couplings with safety collar**

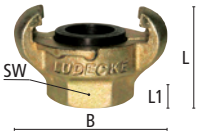


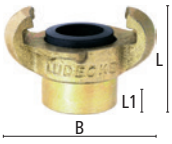

| Hose connection | L | B | L1 | ∅Collar | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 75 | 63 | 35.5 | 25 | 8,5 | 174 | SKB 13 |
| Hose i.D. 15 | 75 | 63 | 35.5 | 26 | 11 | 175 | SKB 15 |
| Hose i.D. 19 | 75 | 63 | 40.5 | 28,5 | 15 | 182 | SKB 19 |
| Hose i.D. 19 | 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* |

* athose version, integrated with hose clamps SK..FL

For hose clamps DIN 20039 B, type SK (page 413), safe hose assembly

**Female Claw Couplings (formerly DIN 3482)**

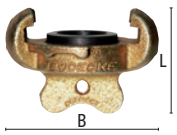



| Thread connection | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| G 1/4 f | 36 | 22 | 63 | 12 | 11 | 138 | KIG 14 |
| G 3/8 f | 36 | 22 | 63 | 12 | 15 | 135 | KIG 38 |
| G 1/2 f | 38 | 27 | 63 | 12 | 19 | 150 | KIG 12 |
| G 1/2 f | 41 | - | 63 | 14.5 | 19 | 180 | 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 |

** without Hexagon

**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) | 200 | 38 | 25 | 7 | VKM-K |

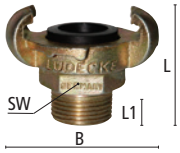
# Claw Couplings
## Standard Version DIN 3489

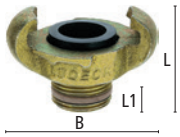
### Male Claw Couplings (formerly DIN 3481)

| 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 |
| NEW! 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 |
| NEW! 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 |
| NEW! 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 |

Easy male thread sealing with PVC-Packing rings type HPD (see below)

** without Hexagon, with LÜDSY-sealing ring

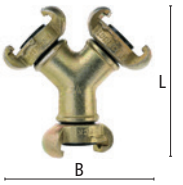



| Max. Betriebsdruck | Temperature | Thread | Claw Distance | Media |
|---|---|---|---|---|
| PN 10 bar | -40°C – +95°C | ISO 228/ DIN 2999 | 42 mm | Air |

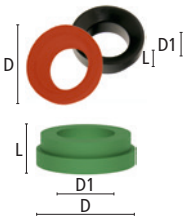
### Three-way connections with threaded ends or claw couplings (rubber seal)

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



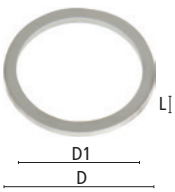

### Original Rubber Rings for Standard Claw Couplings DIN 3489

| Resistance | L | D | D1 | Material | Temp°C | Media | Colour | Shore A | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oil | 11 | 34 | 20 | Buna N | -40 – +95 | compr. air | black | 65° | 100 | 6 | GOER |
| Steam | 10 | 33 | 20 | TFEP | -40 – +200 | steam | red | 65° | 10 | 6 | GDOR |
| Chemicals | 10.5 | 34 | 20 | FKM | -40 – +200 | chemical | green | 50° | 10 | 9 | GVOR |




### Hard-PVC-Packing 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 | 10 | 13 | 100 | 0.13 | HPD 18 |
| G 1/4 m | 2 | 13.3 | 16.4 | 100 | 0.13 | HPD 14 |
| G 3/8 m | 2 | 16.7 | 21.5 | 100 | 0.13 | HPD 38 |
| G 1/2 m | 2 | 21.5 | 26 | 100 | 0.13 | HPD 12 |
| G 3/4 m | 2 | 26.5 | 31.4 | 100 | 0.13 | HPD 34 |
| G 1 m | 2 | 33.5 | 40 | 100 | 0.13 | HPD 10 |



# Claw Couplings

## MODY-Safety-Screwing Couplings DIN 3238


- Recommended instead of expensive and unhandy hosebreak secure systems (whip-check)
- High quality safety coupling, head of malleable iron with safety notches, hose stem of turned steel with special profile, zinc-plated and yellow passivated (free of chrome VI)
- Stronger thread - protective ring and new rubber ring, on both sides led in seal holder
- With oil resistant rubber ring, on request with steam resistant rubber ring (up to 200°C)
- 100 % tight, reduces expensive air consumption, 100 % couple test and sight control
- Easy to couple, secured against accidental opening: locking nut
- Maximum bore for more flow capacity
- For absolutely safe air lines in construction and industry

**Materials**

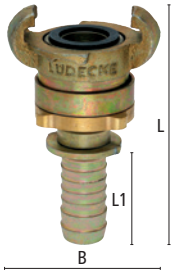
- Claw: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Locking nut, forged clamps: Brass MS 58 plain
- Connector: Steel zinc-plated and yellow passivated (free of Chrom VI)
- O-rings: Buna N

| Max. Working Pressure | Temperature | Thread | Norm | Claw Distance | Media | |
|---|---|---|---|---|---|---|
| PN 16 bar | -40°C – +95°C | ISO 228 | DIN 3238 | 42 mm | Compressed air | 5 |


**MODY-Safety-Hose Couplings**

| 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 |

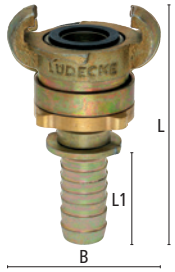
For hose clamps DIN 20039 A type SL (page 413) or crimping sockets type LPH (page 418)




**MODY-Safety-Hose Couplings with 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)

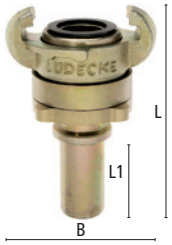



**MODY-Safety-Hose Couplings for crimping sockets (hydraulic crimping)**

| 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 socket PH-19 (page 261)

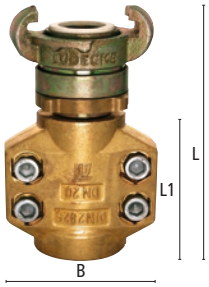
Other sizes on request




**MODY-Safety-Hose Couplings for Aluminium forged 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 aluminium forged clamps VG 85 328 type KSA 30-33 (page 338)




**MODY-Safety-Hose Couplings with brass safety clamp for steam applications**

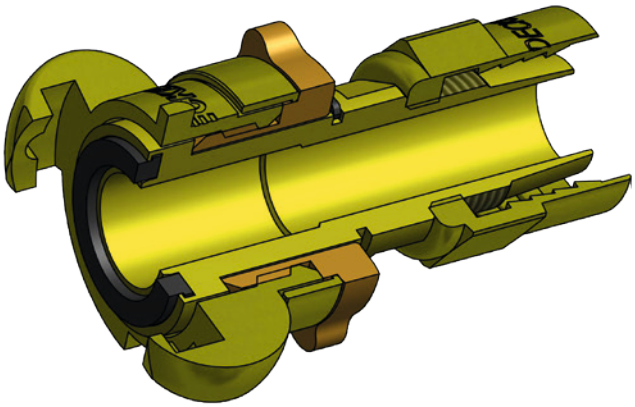
| Hose connection | L | B | L1 | Passage | Dichtung | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| Hose 19x7 | 113 | 63 | 52 | 15 | TFEP (SDOR-N) | 920 | SSG 19 KSM |
| Hose 25x7.5 | 113 | 63 | 52 | 18 | TFEP (SDOR-N) | 1120 | SSG 25 KSM |

# Claw Couplings

## MODY-Safety-Screwing Couplings DIN 3238

**Thread ferrule according to DIN EN 14 424 as the perfect hose connection for optimum security; at any time unlockable and reusable.**

**Please pay attention to the details for the essential hose wall thickness!**

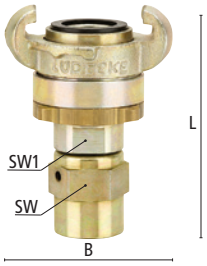


### MODY-Safety-Hose Couplings with thread ferrule (according to DIN EN 14 424)

| 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 |

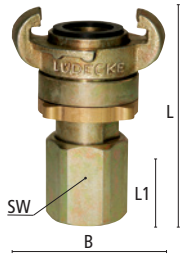
(Size 1" two parts screwed)

Assembly instructions for thread ferrules (page 433)




### MODY-Safety Female Couplings

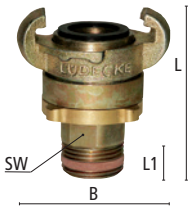
| Thread connection | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| G 3/8 f | 68 | 24 | 63 | 13 | 13 | 347 | SSGI 38 |
| G 1/2 f | 70 | 24 | 63 | 15 | 17 | 329 | SSGI 12 |
| G 3/4 f | 93 | 32 | 63 | 20 | 17 | 419 | SSGI 34 |
| NEW! NPT 3/4 f | 93 | 32 | 63 | 21.5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




### MODY-Safety Male Couplings with LÜDSY-sealing system

| Thread connection | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| G 3/8 m | 72 | 24 | 63 | 13 | 10 | 260 | SSGA 38 |
| G 1/2 m | 73 | 24 | 63 | 14 | 13 | 260 | SSGA 12 |
| G 3/4 m | 73 | 24 | 63 | 15 | 17 | 260 | SSGA 34 |
| NEW! NPT 3/4 m | 73 | 24 | 63 | 18 | 17 | 280 | SSGA 34 NPT* |
| R 1 m | 85 | 36 | 63 | 18 | 17 | 370 | SSGA 10 |
| NEW! NPT 1 m | 83 | 36 | 63 | 19 | 17 | 365 | SSGA 10 NPT* |

*without LÜDSY-thread sealing

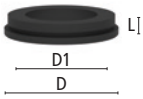



### Original MODY-Rubber Rings – Standard Version

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


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

| Resistance | L | D | D1 | Material | Temp.°C | Media | Colour | Shore A | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oil | 7 | 33 | 21 | Buna N | -40 – +95 | Compr. air | black | 60° | 50 | 4 | SGOR |




All Types also available coloured (powder-coated) against surcharge

RAL 5010 RAL 6029 RAL 1004 RAL 2002

**Attention: At least 100 pc/type necessary!**

# Claw Couplings
## with Brass Seal

- Robust couplings of malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- 100 % couple test and sight control
- With brass seal, oil-resistant hose ring and zinc-plated screw
- Easy to couple, no independant remove of the seal, prevents sticking of seals when coupled
- Always to be coupled with a standard claw coupling with Buna N seal!
- Universal couplings for air lines in construction or industry, mainly used directly on 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)
- O-rings: Brass

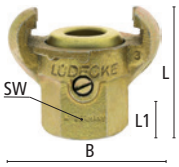
| Max. Working Pressure | Temperature | Thread | Claw Distance | Media | |
|---|---|---|---|---|---|
| PN 10 bar | -40°C – +95°C | ISO 228 | 42 mm | Compressed air | 10 |


**Hose Claw Couplings with 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 | - | 19 | 225 | SKM 25 |

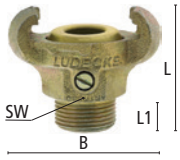
For hose clamps type SL DIN 20039 A (page 413)

*two parts with thread stem of steel




**Female Claw Couplings with brass seal**

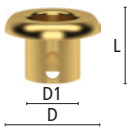
| Thread connection | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| G 1/2 f | 50 | 32 | 63 | 14 | 17 | 220 | KIM 12 |
| G 3/4 f | 50 | 32 | 63 | 14.5 | 17 | 200 | KIM 34 |
| G 1 f | 52 | 41 | 63 | 17 | 17 | 260 | KIM 10 |




**Male Claw Couplings with brass seal**

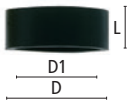
| Thread connection | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| G 1/2 m | 55 | 27 | 63 | 14 | 11 | 193 | KAM 12 |
| G 3/4 m | 51 | 32 | 63 | 14 | 17 | 206 | KAM 34 |
| G 1 m | 48 | 40 | 63 | 15 | 17 | 213 | KAM 10 |

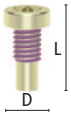
Easy male thread sealing with PVC-Packing rings type HPD (page 231)




**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 | Buna N | 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 couplings of malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- 100 % couple-test and sight control
- With oil-resistant rubber ring GOER, on request with steam-resistant rubber ring GDOR (up to 200°C) against surcharge
- To be secured against accidental opening through safety-clips DIN 11024
- Universal coupling, mainly used worldwide in mining or tunneling

**Materials**

- Claw, connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

| Max. Working Pressure | Temperature | Thread | Claw Distance | Media | |
|---|---|---|---|---|---|
| PN 10 bar | -40°C – +95°C | ISO 228, ANSI/ ASME B 1.20.1 | 42 mm | Compressed air | 10 |

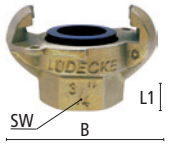
**Hose Claw Couplings with safety collar**

| 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 413), safe hose assembly


**Female Claw Couplings**

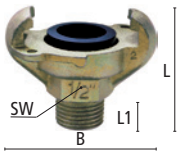
| Thread connection | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| G 1/2 f | 37 | 27 | 63 | 14 | 18.5 | 141 | KISS 12 |
| G 3/4 f | 39 | 32 | 63 | 14.5 | 20 | 145 | KISS 34 |
| G 1 f | 41 | 41 | 63 | 18 | 20 | 182 | KISS 10 |
| NEW! NPT 1 f | 41 | 41 | 63 | 18 |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




**Male Claw Couplings**

| 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 |

Easy male thread sealing with PVC-Packing rings type HPD (page 231)

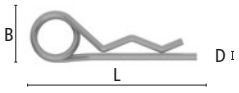



**Original Rubber Rings**

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


**Universal Safety-Clips DIN 11024**

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



# Claw Couplings

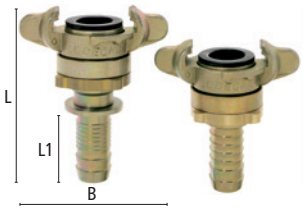
## Left-Closing and Coloured


- Robust couplings of malleable iron or steel zinc-plated and yellow passivated (free of chrome VI) with safety notches and locking nut on female claw couplings left closing
- 100 % couple-test and sight control
- With oil-resistant rubber ring SGOR-N, on request with steam-resistant rubber ring SDOR-N (up to 200°C) or with brass seal and standard seal
- Through left-closing mechanism the couplings can´t be connected with standard claw couplings (right-closing), additional warning through ears at the claws or colour
- Mainly used in chemical and petrochemical plants to avoid connection of different fluids, f.e compressed air, steam, gas media, 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
- O-rings: Buna N/ Brass

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

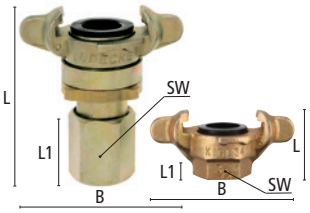



### Hose Claw Couplings left-closing

| Hose connection | L | B | L1 | Passage | Typ | Version | Seal | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| **Hose i.D. 19** | 100 | 85 | 41 | 16 | MODY | w safety collar | Buna N | 340 | **SSGL 19** |
| **Hose i.D. 19** | 112 | 85 | 40.5 | 16 | MODY | w safety collar | Buna N | 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.

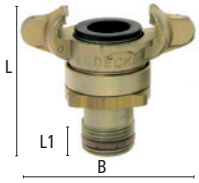
For hose clamps DIN 20039 A or B (page 413)




### Female Claw Couplings left-closing

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

Other sizes on request.




### Male Claw Couplings left-closing

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

Other sizes on request.

### Original Standard-Rubber Rings

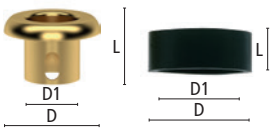
(page 239)

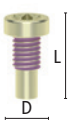
### Original MODY-Rubber Rings - Standard Version

(page 233)

### Original MODY-Rubber Rings - Old Version

(page 233)




### 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 | Buna N | 100 | 3.2 | **SOOR** |
| **Steel screw M5** | 14 | 7 | - | Steel zinc-pl. + yellow pass. | 100 | 2 | **HOOS** |

All types also available coloured (powder-coated) against surcharge!

RAL 5010 RAL 6029 RAL 1004 RAL 2002 …others on request.

**At least 100 pc/type necessary!**

# Claw Couplings

## of Forged Steel, Hardened. Compatible to Type „Atlas Copco“

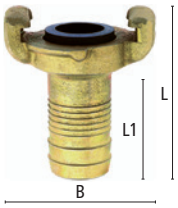
- Extremely robust, durable coupling of forged steel, hardened, zinc-plated and yellow passivated (free of chrome VI), equivalent to type Atlas Copco
- With oil-resistant rubber ring GOER, on request with steam-resistant rubber ring GDOR (up to 200°C) against surcharge
- Maximum bore for maximum flow capacity to reach full tool performance
- Turned stem profile for perfect fit of the hose - Turned seal holder, therefore 100 % tight
- High quality coupling for compressed air in construction and industry

**Materials**

- Claw: Steel hardened, zinc-plated and yellow passivated (free of chome VI)
- Connector: Steel hardened, zinc-plated and yellow passivated (free of chrome VI)
- Locking nut: Brass MS 58 plain
- O-rings: Buna N

| Max. Working Pressure | Temperature | Thread | Claw Distance | Media | |
|---|---|---|---|---|---|
| PN 16 bar | -40°C – +95°C | ISO 228, ANSI/ ASME B 1.20.1 | 42 mm | Compressed air | 10 |

**Hose Claw Couplings**

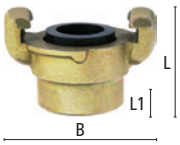



| Hose connection | L | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|
| Hose i.D. 10 | 63 | 62 | 35 | 8 | 141 | ACK 38 T |
| Hose i.D. 12.5 | 63 | 62 | 35 | 10.5 | 136 | ACK 12 T |
| Hose i.D. 20 | 70 | 62 | 45 | 17 | 165 | ACK 34 T |
| Hose i.D. 25 | 73 | 62 | 46 | 20 | 173 |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

For hose clamps DIN 20039 A, type SL (page 413)

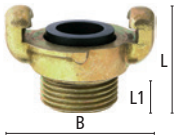
Swivelling Version (against hose twist) on request.

**Female Claw Couplings**




| 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 |
| NEW! NPT 3/4 f | 40 | 62 | 16 | 20 | 176 | ACK 34 I-NPT |
| G 1 f | 40 | 62 | 17 | 20 | 160 | ACK 10 I |
| NEW! NPT 1 f | 40 | 62 | 17 | 20 | 155 | ACK 10 I-NPT |

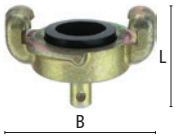
**Male Claw Couplings**




| 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 |
| NEW! NPT 3/4 m | 41 | 62 | 16 | 19 | 150 | ACK 34 A-NPT |
| G 1 m | 40 | 62 | 15 | 20 | 152 | ACK 10 A |

Easy male thread sealing with PVC-Packing rings type HPD (page 231)

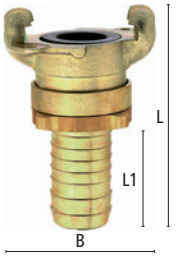
**Plain Ends**




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

*made of steel (zinc-plated)

**MODY-Safety-Hose Couplings with thread-protective ring and new sealing-ring, on both sides led 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. 20 | 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 413)

**Original MODY-Rubber Rings – Standard and Old Version**

(page 233)

# Claw Couplings
## of Forged Brass MS 58

- "French System", interchangeable with all claw distance 42 mm types
- Universal couplings of forged brass MS 58
- With oil-resistant rubber ring MK 42 ER
- Turned seal holder, therefore 100 % tight
- According to NF E 29-573
- For compressed air and water in construction, agriculture and industry

**Materials**

- Claw, connector: Brass MS 58 plain
- O-rings: Buna N

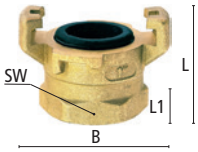
| Max. Working Pressure | Temperature | Thread | Claw Distance | Media | 📦 |
|---|---|---|---|---|---|
| PN 10 bar | -40°C – +95°C | ISO 228 | 42 mm | Compr.air, water | 10 |

### Hose Claw Couplings


| 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 |

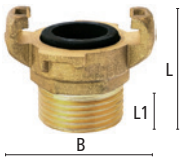
For hose clamps/clips type SL, type HS, ZOS, LPH(page 413 - 415, 418)

### Female Claw Couplings




| 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 |

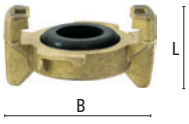
### Male Claw Couplings




| 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 |

Easy male thread sealing with PVC-Packing rings type HPD (page 231)

### Plain 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 | Buna N | -40 – +95 | Air/Water | black | 55° | 10 | 5 | MK 42 ER |

# Claw Couplings

## US-Version with Bore for Safety-Clips

- Robust standard couplings and Mody-Safety-Couplings of malleable iron, US-Version, zinc-plated and yellow passivated (free of chrome VI)
- 100 % couple test and sight control
- With oil-resistant rubber ring GOOR
- To be secured against accidental opening through safety-clips DIN 11024
- US-universal coupling, widely spread system for compressed air in construction and industry

**Materials**

- Claw, connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

**No coupling with claw distance of 42 mm**

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

### US-Hose Claw Couplings with safety collar

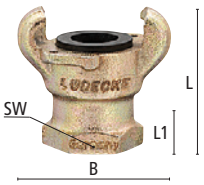
| Hose connection | L | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|
| Hose i.D. 10 | 75 | 62 | 32 | 6 | 162 | SKA 11* |
| Hose i.D. 13 | 88 | 62 | 42 | 9 | 182 | SKA 13 |
| Hose i.D. 19 | 105 | 62 | 56 | 14 | 244 | SKA 19 |
| Hose i.D. 25 | 107 | 62 | 59 | 20 | 286 | SKA 25 |

For US-hose clamps (page 414)

* SKA 11 two parts with thread stem of steel


### US-Female Claw Couplings

| | Thread connection | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| NEW! | 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 |
| NEW! | 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 |
| NEW! | 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 |
| NEW! | G 1 f | 57 | 42 | 62 | 15 | 20 | 208 | KIA 10 BSP |
| | NPT 1 f | 57 | 42 | 62 | 15 | 20 | 218 | KIA 10 |

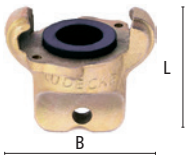



### US-Male Claw Couplings

| | Thread connection | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| NEW! | 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 |
| NEW! | 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 |
| NEW! | 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 |
| NEW! | G 1 m | 68 | 38 | 62 | 18 | 20 | 250 | KAA 10 BSP |
| | NPT 1 m | 72 | 38 | 62 | 23 | 20 | 260 | KAA 10 |


### US-Plain End

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

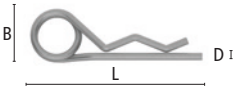



### Original Rubber Ring

| Resistance | L | D | D1 | Material | Temp.°C | Media | Colour | Shore A | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oil | 10.5 | 34 | 20 | Buna N | -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 |



# Claw Couplings

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

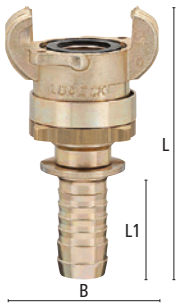

**No coupling with claw distance of 42 mm**

- Recommended instead of expensive and unhandy hosebreak secure systems (whip-check)
- High quality safety coupling, hose stem with special profile
- Stronger thread - protective ring and new rubber ring, on both sides led in seal holder
- With oil resistant rubber ring, on request with steam resistant rubber ring (up to 200°C),
- 100 % tight, reduces expensive air consumption: 100% couple test and sight control
- Easy to couple, secured against accidental opening, locking nut and safety clips according to DIN 11024
- Maximum bore for maximum flow capacity
- For absolutely safe air lines 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
- O-rings: Buna N

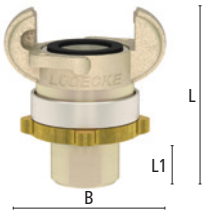
| Max. Working Pressure | Temperature | Thread | Claw Distance | Media | |
|---|---|---|---|---|---|
| PN 16 bar | -40°C – +95°C | NPT/ISO 228 | 41 mm | Compressed air | 5 |




### US-MODY-Safety-Hose Couplings with 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 414)



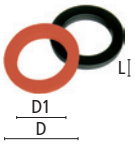

### US-MODY-Safety Female Couplings

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


### US-MODY-Safety Male Couplings

| Thread connection | L | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|
| G 3/8 m | 72 | 62 | 13 | 10 | 260 | SSCA 38* |
| NEW! NPT 3/8 m | 72 | 62 | 13 | 10 | 270 | SSCA 38 NPT |
| G 1/2 m | 74 | 62 | 14 | 13 | 260 | SSCA 12* |
| NEW! NPT 1/2 m | 74 | 62 | 14 | 13 | 270 | SSCA 12 NPT |
| G 3/4 m | 75 | 62 | 15 | 17 | 270 | SSCA 34* |
| NEW! NPT 3/4 m | 75 | 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 | Buna N | -40 – +95 | Compr.air | black | 75° | 50 | 1.7 | SGOR-N |
| Steam | 4 | 30 | 21 | TFEP | -40 – +200 | Steam | red | 65° | 10 | 1.7 | SDOR-N |

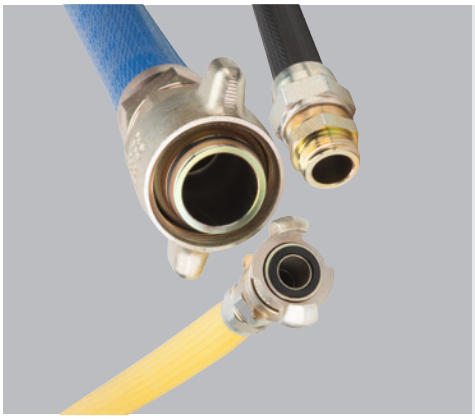
# Complete Screwing Sets, FlatLock Flat Hose Screwings, Connecting Nipples, Hose Connections

## A Strong Connection

### Complete Screwing Sets

Complete Screwing Sets are extremely robust fittings for construction, tunneling and mining. 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 sealing material. Flat sealed versions should not be combined with tapered versions, to be combined with "Atlas Copco" system.

### FlatLock Flat Hose Screwings



While using the FlatLock crimping system, we guarantee you the best possible option to assemble a flat hose to the FlatLock fitting. FlatLock offers best and easy hose assembly for thin walled flat hoses, which can be repeatedly used.

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

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

### Thread stems and hose connections

Thread stems and hose connections serve in various fields for connection or lengthening of hose lines.

# Complete Screwing Sets
## DIN 8537/20 033 with Hose Stem

- Complete Screwing Sets 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 fit of the hose
- Tapered stems with cone 1:3 generally with additional O-ring sealing
- Suitable for connecting nipples (page 250/ 251)
- World-wide used system for compressed air, water, etc. in construction, mining or tunneling.

**Materials**

- Tapered stem: Steel or malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Connecting nut: : Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

| Max. Working Pressure | Temperature | Thread | Norm | Media |
|---|---|---|---|---|
| PN 16 / 25 bar | - 40°C – + 95°C | ISO 228 / DIN 405 | DIN 8537 / 20 033 | Compr.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 | 10 | 166 | **34/13 S** |
| **Hose i.D. 15** | G 3/4 f | 79 | 58 | 1:4 | 26 | 12 | 10 | 175 | **34/15 S** |
| **Hose i.D. 19** | G 3/4 f | 80 | 58 | 1:4 | 33 | 13 | 10 | 200 | **34/19 S** |
| **Hose i.D. 19** | G 1 f | 85 | 65 | 1:3 | 33 | 15 | 10 | 244 | **10/19 S** |
| **Hose i.D. 25** | G 1 f | 90 | 65 | 1:3 | 38 | 16 | 10 | 290 | **10/25 S** |
| **Hose i.D. 13** | Rd 32x1/8 f | 83 | 65 | 1:3 | 22 | 10 | 10 | 249 | **32/13 S** |
| **Hose i.D. 15** | Rd 32x1/8 f | 85 | 65 | 1:3 | 26 | 12 | 10 | 229 | **32/15 S** |
| **Hose i.D. 19** | Rd 32x1/8 f | 85 | 65 | 1:3 | 33 | 15 | 10 | 251 | **32/19 S** |
| **Hose i.D. 25** | Rd 32x1/8 f | 90 | 65 | 1:3 | 38 | 16 | 10 | 310 | **32/25 S** |
| **Hose i.D. 25** | Rd 38x1/8 f | 98 | 76 | 1:3 | 38 | 19 | 5 | 426 | **38/25 S** |
| **Hose i.D. 32** | Rd 46x1/6 f | 124 | 86 | 1:3 | 50 | 25 | 1 | 685 | **46/32 S** |
| **Hose i.D. 35** | Rd 55x1/6 f | 131 | 95 | 1:3 | 55 | 30 | 1 | 829 | **55/35 S** |
| **Hose i.D. 38** | Rd 55x1/6 f | 131 | 95 | 1:3 | 55 | 31 | 1 | 864 | **55/38 S** |
| **Hose i.D. 42** | Rd 62x1/6 f | 139 | 105 | 1:3 | 63 | 35 | 1 | 1216 | **62/42 S** |
| **Hose i.D. 38** | Rd 75x1/6 f | 140 | 137 | 1:3 | 55 | 31 | 1 | 1420 | **75/38 S** |
| **Hose i.D. 50** | Rd 75x1/6 f | 149 | 137 | 1:3 | 77 | 45 | 1 | 1725 | **75/50 S** |
| **Hose i.D. 53** | Rd 75x1/6 f | 149 | 137 | 1:3 | 77 | 45 | 1 | 1848 | **75/53 S** |
| **Hose i.D. 75** | Rd 105x1/4 f | 206 | 158 | 1:3 | 110 | 67 | 1 | 3974 | **105/75 S** |


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

For higher temperatures we recommend steam screwings DIN EN 14 423 (page 334)

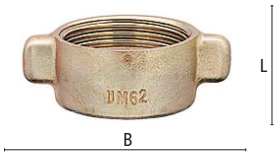
FlatLock Flat Hose Screwings (page 248)

We produce flat hose fittings according to hose samples/dimensions with assembly recommendation for hydraulic crimping with crimping ferrules, safety clamps, wire or steel band. Various types on stock!

# Connecting Nuts and Tapered Stems

## DIN 8537/20 033

- Screwings with cone 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 fit of the hose
- Tapered stems with cone 1:3 generally with additional O-ring sealing
- Suitable for connecting nipples (Page 250/ 251)
- World-wide used system for compressed air, water, etc. in construction, mining or tunneling.




| Max. Working Pressure | Temperature | Media |
|---|---|---|
| PN 16 / 25 bar | - 40°C – + 95°C | Compr.air / Water |

**Connecting Nuts 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 |
| G1 f | 28 | 65 | 27.5 | 10 | 124 | UM 10/2 |
| Rd 38x1/8 f | 33 | 76 | 29 | 10 | 234 | UM 38 |
| 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)
- O-ring: Buna N

**Tapered stems 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 413)
*for hydraulic crimping with socket (page 261)
other types also available on request!

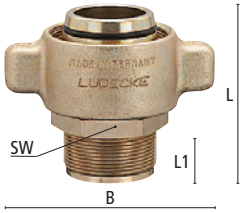
# Complete Screwing Sets
## DIN 20 033 with Male Thread

- Screwings with cone made of steel/malleable iron, zinc-plated and yellow passivated (free of chrome VI), consisting of connecting nut and tapered nipple
- Complete Screwing Set for the direct connection of thread to machine/tool
- Tapered nipple with cone 1:3 generally with additional O-ring sealing
- World-wide used system for compressed air in construction, mining and tunnelling

**Materials**

- Tapered stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Connecting nut: Malleable iron zinc-plated and yellow passivated
- O-rings: Buna N

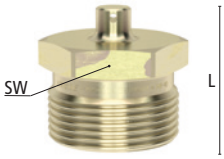
| Max. Working Pressure | Temperature | Thread | Norm | Cone | Media | 📦 |
|---|---|---|---|---|---|---|
| PN 16 / 25 bar | - 40°C – + 95°C | ISO 228 / DIN 405 | DIN 20 033 | 1:3 | Compressed Air | 1 |




**Complete Screwing Sets with male thread**

| Thread connection | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| **G 1 1/4 m - RD 55x1/6 f** | 87 | 50 | 95 | 20 | 32 | 890 | **55/54 A** |
| **G 2 m - RD 75x1/6 f** | 115 | 65 | 137 | 30 | 45 | 1850 | **75/20 A** |

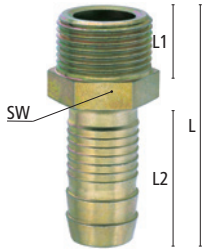
Other dimensions on request.




**Screw Caps for Complete Screwing Sets DIN 20 033**

| Thread connection | L | SW | 📦 | Weight | Type No. |
|---|---|---|---|---|---|
| **Rd 75 x 1/6 f** | 75 | 75 | 5 | 1009 | **VS 75** |

With hexagon to facilitate the assembly.
Other dimensions on request.




**Male thread stems with cone**

| Hose connect. | Thread connect. | L | SW | L1 | L2 | Passage | 📦 | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| **Hose i.D. 25** | Rd 38x1/8 m | 75 | 41 | 23 | 41 | 20 | 10 | 210 | **G 38-25 T** |
| **Hose i.D. 38** | Rd 55x1/6 m | 95 | 55 | 32 | 50 | 33 | 1 | 800 | **G 55-38 T*** |
| **Hose i.D. 50** | Rd 75x1/6 m | 117 | 75 | 40 | 65 | 45 | 1 | 1120 | **G 75-50 T*** |
| **Hose i.D. 53** | Rd 75x1/6 m | 117 | 75 | 40 | 65 | 47 | 1 | 1140 | **G 75-53 T*** |

*with safety collar
Suitable for Complete Screwing Sets.
For hose clamps DIN 20039 A, type SL (page 413)
Further dimensions on request.

# Complete Screwing Sets

## Flat Sealing. Compatible to Type "Atlas Copco"

- Screwings made of steel/malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- Consisting of connecting nut and flat sealing hose stem with O-ring
- Complete Screwing Sets with turned stem profile for perfect fit of the hose
- Further hose assembly methods, for example with crimping ferrules or safety clamps, and also other dimensions on request
- Popular screwing system for compressed air in mining and tunnelling
- Interchangeable with Screwing System type "Atlas Copco"

**Materials**

- Hose stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Connecting nut: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

| Max. Working Pressure | Temperature | Media | Thread | |
|---|---|---|---|---|
| PN 16 / 25 bar | - 40°C – + 95°C | Compressed air, Water | DIN 405 | 1 |

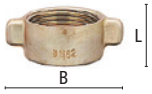
**Complete Screwing Sets flat sealing**

| Hose connection | Thread connection | L | B | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|
| Hose i.D. 50 | RD 65x1/6 f | 166 | 105 | 45 | 1300 | 65/50 FL |
| Hose i.D. 53 | RD 65x1/6 f | 166 | 105 | 47 | 1320 | 65/53 FL |

For hose clamps DIN 20 039 A, type SL (page 413 )


**Single Connecting Nuts**

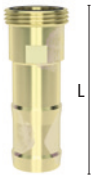
| Thread connection | L | B | Passage | Weight | Type No. |
|---|---|---|---|---|---|
| Rd 65 x 1/6 f | 36 | 105 | 56.5 | 555 | UM 65 |




**Single Hose stems, flat sealing**

| Hose connection | L | Passage | Weight | Type No. |
|---|---|---|---|---|
| Hose i.D. 50 | 166 | 45 | 745 | FT 50 L |
| Hose i.D. 53 | 166 | 48 | 765 | FT 53 L |

For hose clamps DIN 20 039 A, type SL (page 413 )




**Rubber rings for flat sealing hose stems**

| Resistance | L | D | Material | Temp. °C | Media | Shore A | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| Oil | 3 | 55 | Buna N | -40°C - +95°C | Compressed air | 65 ° | 2 | ED 50 L |

# Double Nipples Flat Sealing

- Nipples made of steel, zinc-plated and yellow passivated (free of chrome VI)
- Suitable for flat sealing Complete Screwings (above)
- For the direct connection of fitting to machine/tool for compressed air in mining and tunnelling

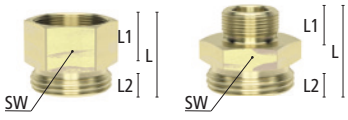
**Materials**

- Double Nipples: Steel zinc-plated and yellow passivated (free of chrome VI)

| Max. Working Pressure | Temperature | Thread | Media | |
|---|---|---|---|---|
| PN 25 bar | - 40°C – + 95°C | ISO 228 / DIN 405 | Compressed air | 1 |

**Double nipples, flat sealing, with male/ male thread or rather male/ female thread**

| Thread connection | L | SW | L1 | L2 | Weight | Type No. |
|---|---|---|---|---|---|---|
| G 1 1/4 m - RD 65x1/6 m | 58 | 65 | 22 | 20 | 665 | N 6554 A |
| G 1 1/2 m - RD 65x1/6 m | 58 | 65 | 22 | 20 | 675 | N 6515 A |
| G 2 m - RD 65x1/6 m | 58 | 65 | 22 | 20 | 680 | N 6520 A |
| G 2 f - RD 65x1/6 m | 55 | 65 | 25 | 20 | 650 | N 6520 I |
| RD 75 x 1/6 m - RD 65x1/6 m | 77 | 75 | 41 | 20 | 1192 | N 6575 A |



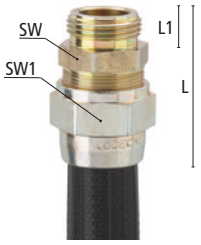
# Flat Hose Screwings

- MODY-Safety-Screwing-Couplings, thread and complete screwing with squeeze ring and thread ferrule for an absolutely safe connection of flat hoses for compressed air 3/4 to 1 1/2 inch
- The exact version (size of squeeze ring) always has to be adapted for the used flat hose
- Please indicate exact dimensions or samples of the hose before ordering
- Usable for compressed air applications in construction, mining and tunneling

**Materials**

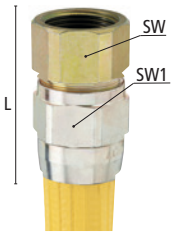
- Claw, Connecting nut: Malleable iron zinc-plated und yellow passivated (free of Chrome-VI)
- Connector, Squeeze ring, squeeze nut: Steel zinc-plated und yellow passivated (free of Chrome-VI)
- Locking nut: Brass MS 58 plain
- Seals: Buna N

| Max. Working Pressure | Temperature | Thread | Norm | Media |
|---|---|---|---|---|
| PN 16/25 bar | -40°C – +100°C | ISO 228/DIN 405 | DIN 3238/20033 | Air a.o. |



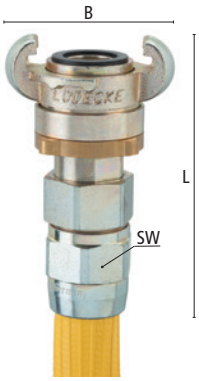

**FlatLock Squeeze Ring Screwing with male thread connection**

| Hose connect. | Thread connect. | L | SW | L1 | SW1 | Passage | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 19 | G 3/4 m | 65 | 32 | 13 | 32 | 17 | 5 | 205 | G 34-19...FLTQ |
| Hose i.D. 25 | G 1 m | 65 | 36 | 14 | 41 | 22 | 5 | 290 | G 10-25...FLTQ |



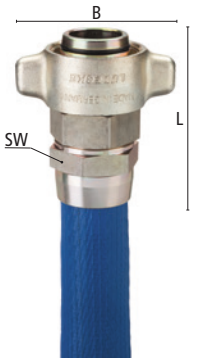

**FlatLock Squeeze Ring Screwing with female thread connection**

| Hose connect. | Thread connect. | L | SW | SW1 | Passage | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 19 | G 3/4 i | 60 | 32 | 32 | 17 | 5 | 195 | GI 34-19...FLTQ |
| Hose i.D. 25 | G 1 i | 61 | 36 | 41 | 22 | 5 | 265 | GI 10-25...FLTQ |




**FlatLock Squeeze Ring Screwing with MODY-safety claw coupling DIN 3238**

| Hose connection | L | SW | B | Passage | | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| Hose i.D. 19 | 118 | 32 | 63 | 17 | 5 | 550 | SSG 19...FLTQ |
| Hose i.D. 25 | 129 | 41 | 63 | 17 | 5 | 630 | SSG 25...FLTQ |




**FlatLock Squeeze Ring Screwing with complete screwing Set DIN 20033**

| Hose connect. | Thread connect. | L | SW | B | Cone | Passage | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 38 | RD 55x1/6 f | 150 | 55 | 95 | 1:3 | 31 | 1 | 1500 | 55/38...FLTQ |

Adaptable with conical nipples(page 250 / 251)

Further fittings and hose dimensions on request.

# Flat Hose Fittings
## Assembly Instruction

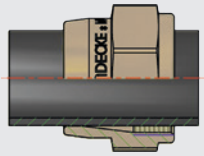
This hose connection ist available for the following coupling systems:

- Mody-Safety-Claw Couplings DIN 3238
- Female und male thread Screwings
- Complete Screwing Sets DIN 20 033

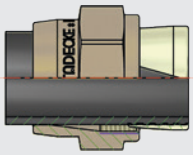
**Attention:**
**Before use, the inner diameter as well as the wall thickness of the flat hose always have to be adapted in order to guarantee the exact and safe fit of the connection. A size table ist available on demand.**

## Hose connection manual:

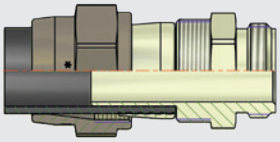
Move the squeeze nut approximately 10 cm over the hose. The phase with the LÜDECKE logo must be ahead.



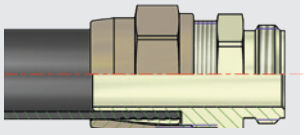
Also move the slotted squeeze ring with the cone ahead over the hose which must be cut to straight length. Make sure that the edge of the ring (labelled with the corresponding hose dimension) is flush with the hose´s end.



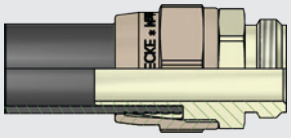
Push the fitting with the stem ahead into the hose until the connection thread matches the hose and squeeze ring end. The correct hose fit can be controlled at the squeeze ring slot.

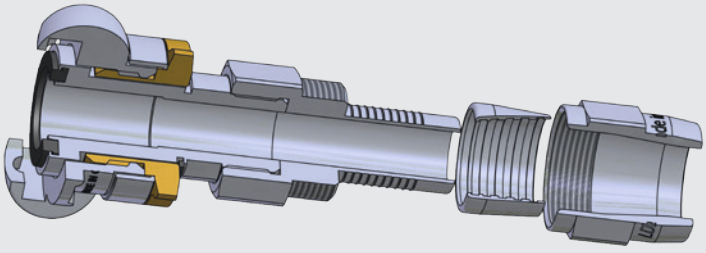


Pull the squeeze nut over the squeeze ring and the hose stem, then screw the squeeze nut manually two turns into the threaded joint.



Afterwards secure the squeeze nut in a vice and screw the threaded joint with a spanner. The squeeze ring fixes the hose automatically due to the conical fit between squeeze nut and hose stem.





The FlatLock hose fittings are easy to assemble and offer a maximum of safety and ergonomics for the connection of thin-walled flat hoses and is unlockable and reusable at any time.

# Connecting Nipples

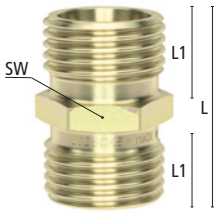
- Nipples of steel or malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- Suitable for screwings (page 246 - 248) DIN 8537/20033
- Worldwide used system for compressed air, water etc. in construction, mining and tunneling

**Materials:**

- Connecting nipples: Steel or malleable iron zinc-plated and yellow passivated (free of chrome VI)

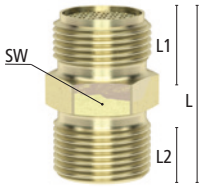
| Max. Working Pressure | Thread | Media |
|---|---|---|
| PN 25 bar | ISO 228 / DIN 405 | Compressed air / water |

## Double Nipples DIN 8537/20036



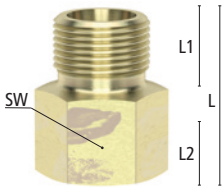

| Thread connection | L | SW | L1 | Cone | | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| 2 x G 3/4 m | 47 | 27 | 19 | 2 x 1:4 | 10 | 107 | V 34 N |
| 2 x G 3/4 m | 47 | 32 | 19 | 2 x 1:4 | 10 | 125 | V 34-32 N |
| 2 x G 1 m | 55 | 36 | 23 | 2 x 1:3 | 10 | 197 | V 10 N |
| 2 x Rd 32x1/8 m | 55 | 32 | 23 | 2 x 1:3 | 10 | 163 | V 32 N |
| 2 x Rd 38x1/8 m | 62 | 41 | 26 | 2 x 1:3 | 10 | 283 | V 38 N |
| 2 x Rd 46x1/6 m | 70 | 46 | 30 | 2 x 1:3 | 1 | 410 | V 46 N |
| 2 x Rd 55x1/6 m | 78 | 55 | 32 | 2 x 1:3 | 1 | 648 | V 55 N |
| 2 x Rd 62x1/6 m | 88 | 65 | 36 | 2 x 1:3 | 1 | 869 | V 62 N |
| 2 x Rd 75x1/6 m | 100 | 75 | 41 | 2 x 1:3 | 1 | 1490 | V 75 N |
| 2 x Rd 105x1/6 m | 122 | 105 | 51 | 2 x 1:3 | 1 | 2990 | V 105 N |

## Sieve Nipples DIN 20037




| Thread connection | L | SW | L1 | L2 | Cone | Sieve | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| G 3/8 m - G 3/4 m | 38 | 27 | 10 | 19 | 1:4 | inner | 10 | 84 | N 38 IS |
| G 1/2 m - G 3/4 m | 40 | 27 | 12.5 | 19 | 1:4 | inner | 10 | 85 | N 23 IS |
| G 1/2 m - Rd 32x1/8 m | 44 | 32 | 12.5 | 23 | 1:3 | inner | 10 | 126 | N 82 IS |
| G 3/4 m - G 3/4 m | 44 | 27 | 16 | 19 | 1:4 | inner | 10 | 104 | N 34 IS |
| G 3/4 m - G 3/4 m | 44 | 32 | 16 | 19 | 1:4 | inner | 10 | 120 | N 34-32 IS |
| G 3/4 m - Rd 32x1/8 m | 48 | 32 | 16 | 23 | 1:3 | inner | 10 | 135 | N 32 IS |
| G 3/4 m - G 1 m | 48 | 36 | 16 | 22 | 1:3 | inner | 10 | 173 | N 341 IS |
| G 3/4 m - G 3/4 m | 44 | 27 | 16 | 23 | 1:4 | outer | 10 | 100 | N 34 AS |
| G 3/4 m - G 3/4 m | 44 | 32 | 16.5 | 19 | 1:4 | outer | 10 | 120 | N 34-32 AS |
| G 3/4 m - Rd 32x1/8 m | 48 | 32 | 16.5 | 19 | 1:3 | outer | 10 | 130 | N 32 AS |
| G 3/4 m - Rd 32x1/8 m | 48 | 32 | 16.5 | 23 | 1:3 | without | 10 | 142 | N 32 OS |
| G 1 m - Rd 32x1/8 m | 49 | 36 | 16 | 22 | 1:3 | inner | 10 | 193 | N 132 IS |
| G 1 m - Rd 34x1/8 m | 54 | 41 | 18 | 26 | 1:3 | without | 10 | 252 | N 18 OS |
| G 1 m - Rd 46x1/6 m | 58 | 46 | 18 | 30 | 1:3 | without | 1 | 345 | N 46-10 OS |
| G 1 /4 m - Rd 46x1/6 m | 58 | 46 | 18 | 30 | 1:3 | without | 1 | 331 | N 46-54 OS |
| G 1 1/2 m - Rd 46x1/6 m | 63 | 50 | 23 | 30 | 1:3 | without | 1 | 445 | N 46 OS |
| G 1 1/4 m - Rd 55x1/6 m | 63 | 55 | 18 | 32 | 1:3 | without | 1 | 536 | N 55-54 OS |
| G 1 1/2 m - Rd 55x1/6 m | 68 | 55 | 23 | 32 | 1:3 | without | 1 | 529 | N 55 OS |
| G 2 m - Rd 55x1/6 m | 70 | 65 | 25 | 32 | 1:3 | without | 1 | 860 | N 55-20 OS |
| G 1 1/2 m - Rd 62x1/6 m | 75 | 65 | 23 | 36 | 1:3 | without | 1 | 764 | N 62 OS |
| G 2 m - Rd 62x1/6 m | 75 | 65 | 25 | 36 | 1:3 | without | 1 | 820 | N 62-20 OS |
| G 1 1/2 m - Rd 75x1/6 m | 80 | 75 | 23 | 41 | 1:3 | without | 1 | 1220 | N 75-15 OS |
| G 2 m - Rd 75x1/6 m | 85 | 75 | 28 | 41 | 1:3 | without | 1 | 1196 | N 75 OS |
| G 2 1/2 m - Rd 75x1/6 m | 85 | 75 | 28 | 41 | 1:3 | without | 1 | 1387 | N 75-25 OS |
| G 3 m - Rd 105x1/4 m | 100 | 105 | 29 | 51 | 1:3 | without | 1 | 2290 | N 105 OS |

## Connecting Nipples

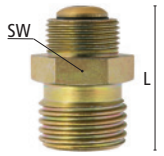



| Thread connection | L | SW | L1 | L2 | Cone | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| G 3/4 f - G 3/4 m | 44 | 32 | 19 | 19 | 1:4 | 10 | 126 | A 34 N |
| G 3/4 f - G 1 m | 48 | 36 | 23 | 19 | 1:3 | 10 | 200 | A 3410 N |
| G 3/4 f - Rd 32x1/8 m | 47 | 32 | 21.5 | 19 | 1:3 | 10 | 136 | A 32 N |
| G 3/4 f - Rd 38x1/8 m | 48 | 41 | 25 | 19 | 1:3 | 10 | 270 | A 38 N |
| G 1 f - Rd 32x1/8 m | 50 | 41 | 23 | 22 | 1:3 | 10 | 206 | A 1032 N |
| G 1 f - Rd 38x1/8 m | 52 | 41 | 25 | 22 | 1:3 | 10 | 239 | A 10 N |

# Connecting Nipples

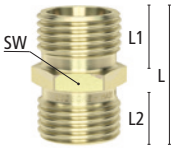
**Self-locking Nipple with brass valve**

| Thread connection | L | SW | Cone | 📦 | Weight | Type No. |
|---|---|---|---|---|---|---|
| G 3/4 m - Rd 32x1/8 m | 49 | 32 | 1:3 | 10 | 153 | SN 32 ST |




**Combination Nipple**

| Thread connection | L | SW | L1 | L2 | Cone | 📦 | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| G 1 m - G 3/4 m | 51 | 36 | 23 | 19 | 1:4 | 10 | 179 | V 1034 N |




# Hot Tar Screwing

- Hot tar screwing of steel/malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- Easy to screw through wing nut; tapered Stem with safety collar
- For hose connection on hot tar spraying devices, hot tar lances a.o.

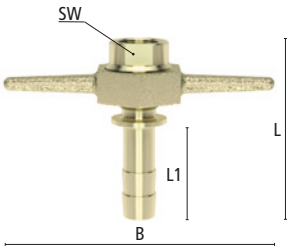
**Materials:**

- Tapered stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Wing nut: malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Nipple: Steel zinc-plated and yellow passivated (free of chrome VI)

| Max. Working Pressure | Thread | Media | 📦 |
|---|---|---|---|
| PN 25 bar | ISO 228 | hot tar | 1 |

**Hot Tar Screwing**

| Type | Connection | L | B | SW | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| Hot tar screwing complete | Hose i.D. 3/4 x G 3/4 f | 112 | 165 | 32 | 60 | 15 | 506 | HTV-SB* |
| Tapered stem | Hose i.D. 3/4, Cone 1:3 | | | | | 15 | 200 | HTVT-SB* |
| Wing nut | G 1 1/4 f | | | | | - | 207 | HTVM |
| Nipple | G 3/4 f x G 1 1/4 m, Cone 1:3 | | | | | - | 99 | HTVET |




For hose clamps DIN 20039 B, type SK 34 (page 413)
Other sizes on request.
*with safety collar

# Thread Stems

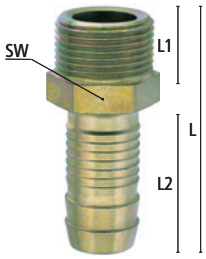
- Thread stems of steel, zinc-plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect fit of the hose
- Maximum bore for maximum flow capacity
- Suitable for compressed air and other fluids in construction, industry or plant engineering

**Materials**

- Thread stem: Steel zinc-plated and yellow passivated (free of chrome VI)

| Max. Working Pressure | Thread | Media |
|---|---|---|
| PN 16 / 25 bar | ISO 228 / DIN 405 | Compressed air |

**Male thread stems without safety collar***

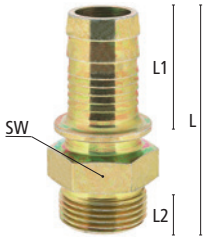



| Hose connect. | Thread connect. | L | SW | L1 | L2 | Passage | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| **Hose i.D. 9** | G 1/4 m | 44 | 14 | 9 | 28 | 6 | 10 | 22 | **G 14-9 T** |
| **Hose i.D. 10** | G 3/8 m | 45 | 19 | 10 | 28 | 7 | 10 | 31 | **G 38-10 T** |
| **Hose i.D. 13** | G 1/4 m | 44 | 17 | 9 | 28 | 8.5 | 10 | 35 | **G 14-13 T** |
| **Hose i.D. 13** | G 3/8 m | 45 | 19 | 10 | 28 | 10 | 10 | 35 | **G 38-13 T** |
| **Hose i.D. 13** | G 1/2 m | 65 | 22 | 15 | 41 | 10 | 10 | 60 | **G 12-13 T** |
| **Hose i.D. 13** | G 3/4 m | 65 | 27 | 16 | 41 | 10 | 10 | 85 | **G 34-13 T** |
| **Hose i.D. 15** | G 3/8 m | 48 | 22 | 10 | 41 | 10 | 10 | 45 | **G 38-15 T** |
| **Hose i.D. 15** | G 1/2 m | 65 | 22 | 15 | 41 | 12 | 10 | 62 | **G 12-15 T** |
| **Hose i.D. 15** | G 3/4 m | 65 | 27 | 16 | 41 | 12 | 10 | 92 | **G 34-15 T** |
| **Hose i.D. 19** | G 1/2 m | 65 | 22 | 15 | 41 | 14 | 10 | 82 | **G 12-19 T** |
| **Hose i.D. 19** | G 3/4 m | 65 | 27 | 16 | 41 | 15 | 10 | 99 | **G 34-19 T** |
| **Hose i.D. 25** | G 3/4 m | 65 | 27 | 16 | 39 | 19 | 10 | 118 | **G 34-25 T** |

*PN 16 bar

For hose clamps DIN 20039 A, type SL (page 413)

**Male thread stems with safety collar****

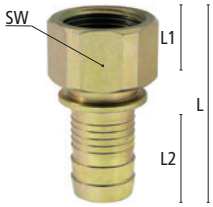



| Hose connect. | Thread connect | L | SW | L1 | L2 | ∅Safety collar | Passage | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|
| **Hose i.D. 13** | G 1/2 m | 73 | 22 | 40 | 15 | 22 | 10 | 10 | 75 | **G 12-13 TB** |
| **Hose i.D. 19** | G 3/4 m | 72 | 32 | 40 | 15 | 32 | 15 | 10 | 142 | **G 34-19 TB** |
| **Hose i.D. 19** | G 1 m | 74 | 36 | 40 | 17 | 32 | 15 | 10 | 175 | **G 10-19 T** |
| **Hose i.D. 25** | G 1 m | 80 | 36 | 41 | 17 | 36 | 20 | 10 | 220 | **G 10-25 T** |
| **Hose i.D. 25** | G 1 1/4 m | 90 | 46 | 48 | 18 | 39 | 20 | 5 | 321 | **G 54-25 T** |
| **Hose i.D. 32** | G 1 1/4 m | 92 | 46 | 48 | 20 | 45 | 25 | 5 | 406 | **G 54-32 T** |
| **Hose i.D. 38** | G 1 1/2 m | 100 | 55 | 51 | 22 | 53 | 33 | 1 | 532 | **G 15-38 T** |
| **Hose i.D. 42** | G 1 1/2 m | 100 | 55 | 51 | 22 | 54 | 35 | 1 | 571 | **G 15-42 T** |
| **Hose i.D. 50** | G 2 m | 125 | 65 | 72 | 25 | 64 | 42 | 1 | 943 | **G 20-50 T** |
| **Hose i.D. 53** | G 2 m | 125 | 75 | 72 | 25 | 74 | 44 | 1 | 1123 | **G 20-53 T** |
| **Hose i.D. 75** | G 3 m | 185 | 90 | 120 | 30 | 95 | 68 | 1 | 2033 | **G 30-75 T** |

*PN 25 bar

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

**Female thread stems with safety collar****




| Hose connect. | Thread connect. | L | SW | L1 | L2 | ∅Safety collar | Passage | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|
| **Hose i.D. 19** | G 3/4 f | 71 | 32 | 19 | 40 | 32 | 15 | 10 | 134 | **G 34-19 TI** |
| **Hose i.D. 19** | G 1 f | 73 | 41 | 20 | 40 | 32 | 15 | 10 | 197 | **G 10-19 TI** |
| **Hose i.D. 25** | G 1 f | 75 | 41 | 20 | 41 | 36 | 20 | 10 | 227 | **G 10-25 TI** |
| **Hose i.D. 25** | G 1 1/4 f | 80 | 50 | 23 | 41 | 36 | 20 | 5 | 323 | **G 54-25 TI** |
| **Hose i.D. 32** | G 1 1/4 f | 86 | 50 | 23 | 48 | 45 | 25 | 5 | 390 | **G 54-32 TI** |

**PN 25 bar

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

# Hose Connections and Thread Ferrule Screwings

- Hose connections of steel, zinc-plated and yellow passivated (free of chrome VI)
- Simple and safe hose connection with turned stem profile
- Male thread nipples with thread ferrule reusable!
- Maximum bore for maximum flow capacity
- Suitable for compressed air and other fluids in various fields

**Materials:**

- Connection, screwing: Steel zinc-plated and yellow passivated (free of chrome VI)

| Max. Working Pressure | Media |
|---|---|
| PN 16 / 25 bar | Compressed air a.o. |

**Hose Connections DIN 20038 without safety collar***

| Hose connection | L | D | Passage | | Weight | Type No. |
|---|---|---|---|---|---|---|
| Hose i.D. 10 | 75 | 11 | 8 | 10 | 25 | SV 10 R |
| Hose i.D. 13 | 80 | 13.5 | 9 | 10 | 44 | SV 13 R |
| Hose i.D. 15 | 105 | 17 | 12.5 | 10 | 73 | SV 15 R |
| Hose i.D. 19 | 105 | 21 | 16 | 10 | 93 | SV 19 R |
| Hose i.D. 25 | 160 | 26.5 | 22 | 10 | 166 | SV 25 R |
| Hose i.D. 32 | 175 | 33.5 | 27 | 5 | 351 | SV 32 R |
| Hose i.D. 38 | 215 | 40 | 33 | 5 | 430 | SV 38 R |
| Hose i.D. 50 | 225 | 51 | 45 | 1 | 670 | SV 50 R |
| Hose i.D. 53 | 225 | 54 | 46 | 1 | 960 | SV 53 R |

*PN 16 bar

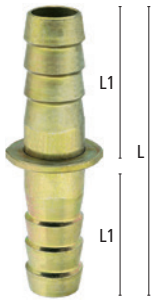
For hose clamps DIN 20039 A, type SL (page 413)


**Hose Connections DIN 20038 with safety collar****

| Hose connection | L | D | L1 | ∅Safety collar | Passage | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 80 | 13.5 | 38.5 | 25 | 9 | 10 | 48 | SV 13 R/S |
| Hose i.D. 15 | 105 | 17 | 50.5 | 30 | 12.5 | 10 | 77 | SV 15 R/S |
| Hose i.D. 19 | 105 | 21 | 51.5 | 34 | 16 | 10 | 107 | SV 19 R/S |
| Hose i.D. 25 | 160 | 26.5 | 78.5 | 42 | 22 | 10 | 170 | SV 25 R/S |
| Hose i.D. 32 | 175 | 33.5 | 60 | 50 | 27 | 5 | 382 | SV 32 R/S |
| Hose i.D. 38 | 215 | 40 | 96 | 56 | 33 | 5 | 490 | SV 38 R/S |
| Hose i.D. 50 | 225 | 51 | 110 | 78 | 45 | 1 | 870 | SV 50 R/S |
| Hose i.D. 53 | 225 | 54 | 110 | 78 | 46 | 1 | 1126 | SV 53 R/S |
| Hose i.D. 75 | 250 | 76 | 120 | 110 | 68 | 1 | 1811 | SV 75 R/S |

**PN 25 bar

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



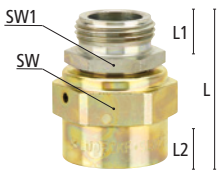

**Male thread nipples with thread ferrule (according to DIN EN 14424)***

| Hose connect. | Thread connect. | L | SW | L1 | SW1 | L2 | Passage | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|
| Hose 13x3 | G 1/2 m | 50 | 22 | 12 | 22 | 27 | 11 | 10 | 102 | G 12-133 TQ |
| Hose 13x5 | G 1/2 m | 50 | 22 | 12 | 22 | 27 | 11 | 10 | 104 | G 12-135 TQ |
| Hose 15x5 | G 3/4 m | 52 | 27 | 13 | 27 | 30 | 13 | 10 | 140 | G 34-155 TQ |
| Hose 19x5 | G 3/4 m | 52 | 27 | 13 | 27 | 30 | 17 | 10 | 170 | G 34-195 TQ |
| Hose 19x6 | G 3/4 m | 52 | 27 | 13 | 27 | 30 | 17 | 10 | 180 | G 34-196 TQ |
| Hose 25x5 | G 1 m | 58 | 36 | 14 | 36 | 36 | 22 | 10 | 220 | G 10-255 TQ |
| Hose 25x7 | G 1 m | 58 | 36 | 14 | 36 | 36 | 22 | 10 | 230 | G 10-257 TQ |

*PN 16 bar

Assembly instructions for thread ferrules (page 433)

Other sizes on request.



# Mortar Couplings and Plugs

Our coupling systems are specially designed for the applications: mortar, plaster or floor screeding, pumps, sprayer or plastering machines. They guarantee an optimum working safety and maximum flow of the material from your machine.

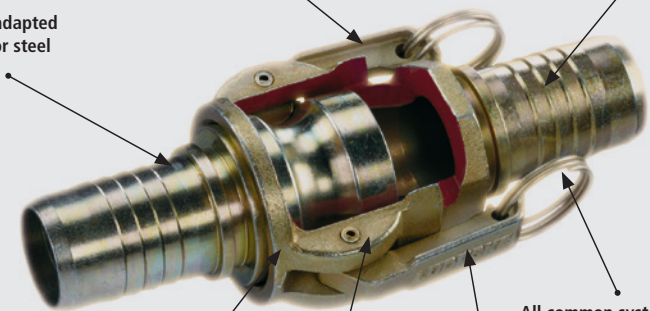
Mortar couplings are lever couplings - not interchangeable with the standard Kamlok couplings according to DIN EN 14420-7. Function: Female and male parts made of malleable iron or steel are locked by two handles. Please note two different systems are used in the market (22 and 23.5 mm in size).

With a working pressure of 50 bar, a precise assembly on the hose barb is necessary. We recommend to use at least on one connecting point a swivel version. Such an assembly offers longer duration vs a ridged standard installation / assembly.

## Reliable Quality


ZERTIFIKAT

TÜV SÜD
Produktion überwacht
Bauart geprüft



Max. working pressure 50 bar TÜV-inspected

Maximum bore for maximum free flow capacity

Machined, exactly to hose adapted stem profile for crimping or steel band

All common systems from 3/4" to 2 1/2" with all kinds of connections available

Material: Malleable iron or steel, surface zinc-plated and yellow passivated (free of chrome VI)

Note different dimensional systems 22 and 23.5

Robust malleable iron handles with pin and ring

# Mortar Couplings made of Aluminium

## Type Size X25, rigid and swivelling

- Couplings with female thread, optionally rigid or swivelling
- Mainly used directly at the spraying nozzle, 60 % weight reduction compared with steel version, therefore essentially easier application
- Swivelling Version three parts, lead in teflon slide, therefore extremely robust and tight
- Swivelling concept avoids hose twist of the rigid mortar hoses for much easier application

**Materials:**

- Female thread: Aluminium
- Handles: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N, PTFE, PUR*

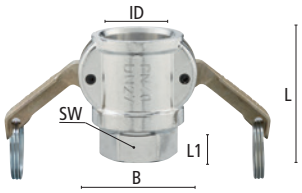
| Max. Working Pressure | Thread | System | TÜV-inspected | Media | |
|---|---|---|---|---|---|
| PN 40 bar | ISO 228 | X25 | all types | Mortar/concrete | 1 |

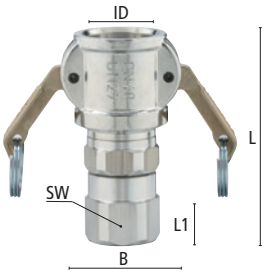
**Coupling with female thread**

| Thread connection | L | SW | B | Type-Size | ID | L1 | Passage | System | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1 f | 72 | 41 | 70 | X25 | 42 | 19 | 25 | rigid | 290 | MIG 10-X25A |
| G 1 f | 120 | 41 | 70 | X25 | 42 | 21 | 23 | swivelling | 405 | MIG 10-X25ADR* |

Rubber rings Type No. MDR-X25 and handles Type No. MNH-630 (page 257)

*Female thread sealing ring material polyurethane




# Mortar Couplings

## made of Malleable Iron/ Steel - Interchangeable with System "Mai"

**Materials:**

- Female thread, handle: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Male thread: Steel zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

| Max. Working Pressure | Thread | Media | |
|---|---|---|---|
| PN 50 bar | ISO 228 | Mortar/concrete | 1 |

**Coupling with female thread and 1 handle**

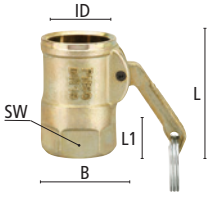
| Thread connection | L | SW | B | ID | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| G 1 f | 70 | 41 | 55 | 38 | 16 | 25 | 375 | MIG 10-MA |

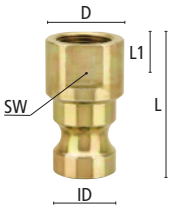
Rubber rings, type no. EDR-100-BU (page 332)

**Plug with female thread**

| Thread connection | L | SW | D | ID | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| G 1 f | 80 | 41 | 46 | 37.5 | 18.5 | 25 | 405 | VIG 10-MA |

For hose connection use screwing stems for steel band (page 259) or crimping ferrules (page 261)

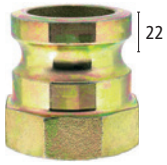


# Mortar Couplings

## made of Malleable Iron/ Steel, Rigid and Swivelling - Standard Version

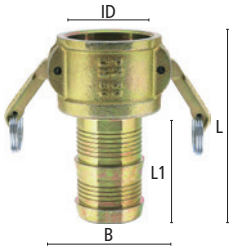
- Couplings of malleable iron / steel, zinc-plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect fit of the hose (On request according to drawing or hose sample)
- Attention: Only same type-size and same system interchangeable!
- For mortar and concrete lines on pumps, spraying- devices, plastering machines a.o.
- Other swivelling types on request!
- Swivelling Version three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier appplication




System 22 (for all type-sizes except 42)

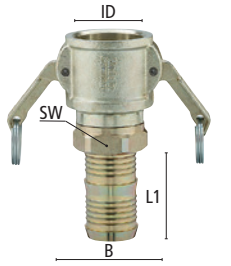

System 23.5 (only type-sizes 35 and 50!)

| Max. Working Pressure | Thread | TÜV-inspected | Media | |
|---|---|---|---|---|
| PN 50 bar | all types | all types | Mortar/concrete | 1 |



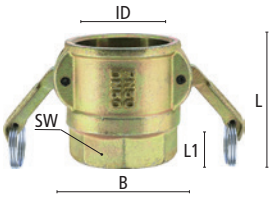

### Couplings with hose stem (full passage)

| Hose connect. | L | B | Type-Size | ID | L1 | Passage | System | Weight | System 22 Type No. | System 23.5 Type No. |
|---|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 25 | 120 | 55 | 25 | 35.5 | 67 | 20 | rigid, 1 Handle | 477 | MST 25 | Same dimension |
| Hose i.D. 25 | 138 | 74 | X25 | 42 | 64 | 25 | rigid, 2 Handles | 778 | MST-X25 | Same dimension |
| Hose i.D. 35 | 132 | 77 | 35 | 51 | 75 | 29 | rigid, 2 Handles | 795 | MST 35 | MST 35-N |
| swivelling Hose i.D. 35 | 152 | 77 | 35 | 51 | 68 | 30 | swivelling, 2 Handles | 970 | MST 35-DR | MST 35-DR-N |
| Hose i.D. 38 | 146 | 77 | 35 | 51 | 64 | 33 | rigid, 2 Handles | 903 | MST 38/35 | MST 38/35-N |
| Hose i.D. 42 | 144 | 84 | 42 | 54 | 67 | 38 | rigid, 2 Handles | 960 | MST 42** | Same dimension |
| Hose i.D. 50 | 140 | 94 | 50 | 64 | 83 | 43 | rigid, 2 Handles | 1195 | MST 50 | MST 50-N |
| Hose i.D. 65 | 185 | 105 | 65 | 74 | 98 | 56 | rigid, 2 Handles | 2172 | MST 65* | Same dimension |



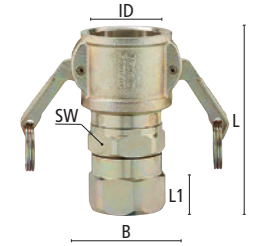

### Couplings with hose stem (reduced passage)

| Hose connect. | L | SW | B | Type-Size | ID | L1 | Passage | System | Weight | Type No. | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 19 | 122 | 41 | 55 | 25 | 35.5 | 50 | 16 | rigid, 1 Handle | 512 | MST 25/19 R | Same dimension |
| Hose i.D. 19 | 125 | 41 | 74 | X25 | 42 | 50 | 16 | rigid, 2 Handles | 760 | MST-X25/19 R | Same dimension |
| Hose i.D. 25 | 138 | 50 | 77 | 35 | 51 | 64 | 24 | rigid, 2 Handles | 783 | MST 35/25 R | MST 35/25 R-N |
| Hose i.D. 35 | 160 | 70 | 94 | 50 | 64 | 77 | 30 | rigid, 2 Handles | 1495 | MST 50/35 R | MST 50/35 R-N |
| Hose i.D. 42 | 160 | 70 | 94 | 50 | 64 | 77 | 38 | rigid, 2 Handles | 1510 | MST 50/42 R | MST 50/42 R-N |



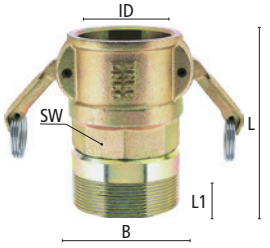

### Couplings with female thread

| Thr. connect. | L | SW | B | Type-Size | ID | L1 | Passage | System | Weight | Type No. | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 f | 70 | 41 | 55 | 25 | 35.5 | 18 | 24 | rigid, 1 Handle | 410 | MIG 10/25 | Same dimension |
| G 1 f | 73,5 | 41 | 74 | X25 | 42 | 19 | 25 | rigid, 2 Handles | 652 | MIG 10-X25 | Same dimension |
| G 1 f | 74 | 50 | 77 | 35 | 51 | 19 | 30 | rigid, 2 Handles | 770 | MIG 10/35 | MIG 10/35-N |
| G 1 1/4 f | 74 | 50 | 77 | 35 | 51 | 19 | 35 | rigid, 2 Handles | 648 | MIG 54/35 | MIG 54/35-N |
| swivelling G 1 1/4 f | 125 | 50 | 77 | 35 | 51 | 23 | 33 | swivelling, 2 Handles | 1170 | MIG 54/35-DR | MIG 54/35-N-DR |
| G 1 1/2 f | 74 | 56 | 77 | 35 | 51 | 19 | 35 | rigid, 2 Handles | 766 | MIG 15/35 | MIG 15/35-N |
| G 1 1/2 f | 66 | 60 | 84 | 42 | 54 | 19 | 38 | rigid, 2 Handles | 730 | MIG 15/42** | Same dimension |
| G 2 f | 79 | 70 | 94 | 50 | 64 | 26 | 50 | rigid, 2 Handles | 990 | MIG 20/50 | MIG 20/50-N |
| swivelling G 2 f | 135 | 70 | 94 | 50 | 64 | 25 | 43 | swivelling, 2 Handles | 1550 | MIG 20/50-DR | MIG 20/50-DR-N |
| G 2 1/2 f | 81 | 84 | 105 | 65 | 74 | 26 | 58 | rigid, 2 Handles | 1027 | MIG 25/65* | Same dimension |




### Couplings with male thread

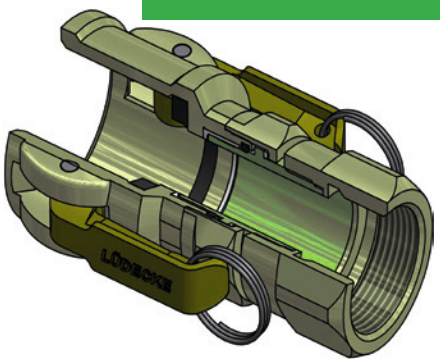
| Thr. connect. | L | SW | B | Type-Size | ID | L1 | Passage | System | Weight | Type No. | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1 m | 91 | 41 | 55 | 25 | 35.5 | 17 | 24 | rigid, 1 Handle | 485 | MAG 10/25 | Same dimension |
| G 1 m | 90 | 41 | 74 | X25 | 42 | 16 | 25 | rigid, 2 Handles | 735 | MAG 10-X25 | Same dimension |
| G 1 1/4 m | 93 | 50 | 77 | 35 | 51 | 19 | 33 | rigid, 2 Handles | 793 | MAG 54/35 | MAG 54/35-N |
| G 1 1/2 m | 98 | 60 | 84 | 42 | 54 | 22 | 38 | rigid, 2 Handles | 935 | MAG 15/42** | Same dimension |
| G 2 m | 113 | 70 | 94 | 50 | 64 | 25 | 47 | rigid, 2 Handles | 1420 | MAG 20/50 | MAG 20/50-N |
| G 2 1/2 m | 119 | 84 | 94 | 50 | 64 | 25 | 50 | rigid, 2 Handles | 1620 | MAG 25/50 | MAG 25/50-N |




* max. working pressure for type-size 65 PN 25 bar

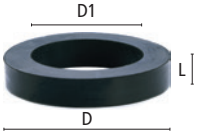
**type-size 42 system 17.5 derived from DIN EN 14420-7, DN 40

# Mortar Couplings



**Materials**

- Female thread, handle: Malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N
- Hose thread: Steel zinc-plated and and yellow passivated (free of chrome VI)




Seals of Buna N
55° Shore A

Handle with safety-ring and slottet pin of malleable iron zinc-plated and yellow passivated (free of chrome VI)

| | | | Suitable spare parts (Packing Unit 10 St.) | |
|---|---|---|---|---|
| L | D | D1 | Type No. | Type No. |
| 6 | 36 | 24,5 | MDR 25 | MNH-628 |
| 6 | 43.5 | 28.5 | MDR-X25 | MNH-630 |
| 6 | 53.5 | 36.5 | MDR 35 | MNH-628 |
| 6 | 53.5 | 36.5 | MDR 35 | MNH-628 |
| 6 | 53.5 | 36.5 | MDR 35 | MNH-628 |
| 6.5 | 55 | 41 | MDR 42 | MNH-628 |
| 6 | 67 | 51 | MDR 50 | MNH-636 |
| 6.3 | 76 | 61 | MDR 65 | MNH-636 |

| L | D | D1 | Type No. | Type No. |
|---|---|---|---|---|
| 6 | 36 | 24.5 | MDR 25 | MNH-628 |
| 6 | 43.5 | 28.5 | MDR-X25 | MNH-630 |
| 6 | 53.5 | 36.5 | MDR 35 | MNH-628 |
| 6 | 67 | 51 | MDR 50 | MNH-636 |
| 6 | 67 | 51 | MDR 50 | MNH-636 |

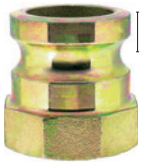
| L | D | D1 | Type No. | Type No. |
|---|---|---|---|---|
| 6 | 36 | 24.5 | MDR 25 | MNH-628 |
| 6 | 43.5 | 28.5 | MDR-X25 | MNH-630 |
| 6 | 53.5 | 36.5 | MDR 35 | MNH-628 |
| 6 | 53.5 | 36.5 | MDR 35 | MNH-628 |
| 6 | 53.5 | 36.5 | MDR 35 | MNH-628 |
| 6 | 53.5 | 36.5 | MDR 35 | MNH-628 |
| 6.5 | 55 | 41 | MDR 42 | MNH-628 |
| 6 | 67 | 51 | MDR 50 | MNH-636 |
| 6 | 67 | 51 | MDR 50 | MNH-636 |
| 6.3 | 76 | 61 | MDR 65 | MNH-636 |

| L | D | D1 | Type No. | Type No. |
|---|---|---|---|---|
| 6 | 36 | 24.5 | MDR 25 | MNH-628 |
| 6 | 43.5 | 28.5 | MDR-X25 | MNH-630 |
| 6 | 53.5 | 36.5 | MDR 35 | MNH-628 |
| 6.5 | 55 | 41 | MDR 42 | MNH-628 |
| 6 | 67 | 51 | MDR 50 | MNH-636 |
| 6 | 67 | 51 | MDR 50 | MNH-636 |

# Mortar Plugs

## made of Malleable Iron/ Steel, Rigid and Swivelling - Standard Version

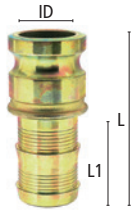
- Plugs of malleable iron / steel, zinc plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect fit of the hose (On request according to drawing or hose sample)
- Attention: Only same type-size and same system interchangeable!
- For mortar and concrete lines on pumps, spraying- devices, plastering machines a.o.
- Other swivelling types on rquest!
- Swivelling Version three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier appplication




System 22
(for all type-sizes except 42)

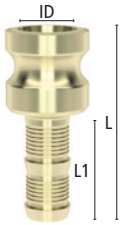

System 23.5
(only type-sizes 35 and 50!)

| Max. Working Pressure | Thread | TÜV-inspected | Media | |
|---|---|---|---|---|
| PN 50 bar | ISO 228 | all types | Mortar/concrete | 1 |



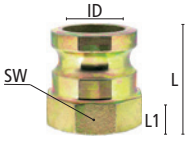

### Plugs with hose stem (full passage)

| | Hose connect. | L | Type-Size | ID | L1 | Passage | System | Weight | Type No. System 22 | Type No. System 23.5 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Hose i.D. 25 | 110 | 25 | 35 | 64 | 20 | rigid | 270 | VST 25 | Same dimension |
| | Hose i.D. 25 | 120 | X25 | 41 | 65 | 24 | rigid | 385 | VST-X25 | Same dimension |
| swivelling | Hose i.D. 25 | 125 | X25 | 41 | 60 | 24 | swivelling | 420 | VST-X25-DR | Same dimension |
| | Hose i.D. 35 | 120 | 35 | 49.5 | 70 | 30 | rigid | 515 | VST 35 | VST 35-N |
| swivelling | Hose i.D. 35 | 146 | 35 | 49.5 | 68 | 30 | swivelling | 740 | VST 35-DR | VST 35-DR-N |
| | Hose i.D. 38 | 120 | 35 | 49.5 | 70 | 33 | rigid | 470 | VST 38/35 | VST 38/35-N |
| | Hose i.D. 42 | 120 | 42 | 53 | 77 | 38 | rigid | 450 | VST 42** | Same dimension |
| | Hose i.D. 50 | 140 | 50 | 63 | 77.5 | 42 | rigid | 925 | VST 50 | VST 50-N |
| swivelling | Hose i.D. 50 | 170 | 50 | 63 | 82 | 43 | swivelling | 1230 | VST 50-DR | VST 50-DR-N |
| | Hose i.D. 65 | 156 | 65 | 73 | 98 | 56 | rigid | 1352 | VST 65* | Same dimension |



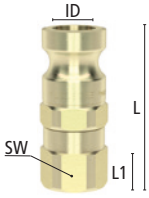

### Plugs with hose stem (reduced passage)

| Hose connect. | L | Type-Size | ID | L1 | Passage | System | Weight | Type No. | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 19 | 100 | X25 | 41 | 50 | 16 | rigid | 325 | VST-X25/19R | Same dimension |
| Hose i.D. 25 | 115 | 35 | 49.5 | 64 | 20 | rigid | 545 | VST 35/25 R | VST 35/25 R-N |
| Hose i.D. 35 | 121 | 50 | 63 | 70 | 30 | rigid | 830 | VST 50/35 R | VST 50/35 R-N |
| Hose i.D. 42 | 121 | 50 | 63 | 70 | 38 | rigid | 757 | VST 50/42 R | VST 50/42 R-N |




### Plugs with female thread

| | Thread connect. | L | SW | Type-Size | ID | L1 | Passage | System | Weight | Type No. | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | G 1 f | 67 | 41 | 25 | 35 | 15 | 20 | rigid | 280 | VIG 10/25 | Same dimension |
| | G 1 f | 67 | 41 | X25 | 41 | 15 | 25 | rigid | 345 | VIG 10-X25 | Same dimension |
| swivelling | G 1 f | 106 | 41 | X25 | 41 | 21 | 23 | swivelling | 610 | VIG 10-X25-DR | Same dimension |
| | G 1 1/4 f | 67 | 50 | X25 | 41 | 16 | 25 | rigid | 386 | VIG 54-X25 | Same dimension |
| | G 1 f | 63 | 50 | 35 | 49.5 | 20 | 30 | rigid | 521 | VIG 10/35 | VIG 10/35-N |
| | G 1 1/4 f | 68 | 50 | 35 | 49.5 | 16 | 33 | rigid | 461 | VIG 54/35 | VIG 54/35-N |
| swivelling | G 1 1/4 f | 120 | 50 | 35 | 49.5 | 23 | 33 | swivelling | 840 | VIG 54/35-DR | VIG 54/35-DR-N |
| | G 1 1/2 f | 68 | 55 | 35 | 49.5 | 19 | 33 | rigid | 453 | VIG 15/35 | VIG 15/35-N |
| | G 2 f | 74 | 70 | 35 | 49.5 | 20 | 33 | rigid | 665 | VIG 20/35 | VIG 20/35-N |
| | G 1 1/2 f | 62 | 55 | 42 | 53 | 16 | 38 | rigid | 420 | VIG 15/42** | Same dimension |
| | G 1 1/4 f | 64 | 65 | 50 | 63 | 22 | 35 | rigid | 820 | VIG 54/50 | VIG 54/50-N |
| | G 1 1/2 f | 64 | 65 | 50 | 63 | 22 | 44 | rigid | 678 | VIG 15/50 | VIG 15/50-N |
| | G 2 f | 71 | 70 | 50 | 63 | 20 | 45 | rigid | 620 | VIG 20/50 | VIG 20/50-N |
| swivelling | G 2 f | 130 | 70 | 50 | 63 | 25 | 43 | swivelling | 1040 | VIG 20/50-DR | VIG 20/50-DR-N |
| | G 2 1/2 f | 78 | 85 | 50 | 63 | 25 | 45 | rigid | 960 | VIG 25/50 | VIG 25/50-N |
| | G 2 1/2 f | 78 | 85 | 65 | 73 | 25 | 56 | rigid | 999 | VIG 25/65* | Same dimension |




*max. working pressure for type-size 65 PN 25 bar

**type-size 42 system 17.5 derived from DIN EN 14420-7, DN 40

Other swivelling types on request

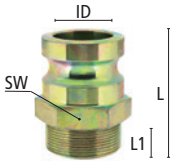
# Mortar Plugs

**Materials:**

- Plug, screwing stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Coupling, handle: Malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

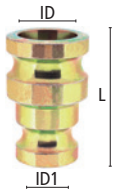
## Plugs with male thread

| | | | | | | | | | System 22 | System 23.5 |
|---|---|---|---|---|---|---|---|---|---|---|
| Thread connect. | L | SW | Type-Size | ID | L1 | System | Passage | Weight | Type No. | Type No. |
| G 1 m | 76 | 41 | 25 | 35 | 17 | rigid | 20 | 356 | VAG 10/25 | Same dimension |
| G 1 m | 76 | 41 | X25 | 41 | 17 | rigid | 24 | 382 | VAG 10-X25 | Same dimension |
| G 1 1/4 m | 83 | 50 | 35 | 49.5 | 20 | rigid | 33 | 527 | VAG 54/35 | VAG 54/35-N |
| G 1 1/2 m | 77 | 55 | 42 | 53 | 20 | rigid | 38 | 525 | VAG 15/42** | Same dimension |
| G 2 m | 90 | 65 | 50 | 63 | 25 | rigid | 45 | 950 | VAG 20/50 | VAG 20/50-N |



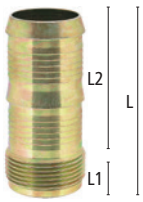

## Plugs on both sides – system-reducing plug

| Type-Size | L | ID | ID1 | Passage | Weight | Type No. | Type No. |
|---|---|---|---|---|---|---|---|
| X25 - 25 | 90 | 41 | 35 | 20 | 448 | VR X25/25 | Same dimension |
| 35 - 25 | 97 | 49.5 | 35 | 20 | 654 | VR 35-25 | VR 35-N-25 |
| 35 -X25 | 100 | 49.5 | 41 | 25 | 690 | VR 35-X25 | VR 35-N-X25 |
| 42 - X25 | 90 | 53 | 41 | 25 | 620 | VR 42/X25** | Same dimension |
| 42 - 35 | 90 | 53 | 49.5 | 33 | 650 | VR 42/35** | VR 42/35-N |
| 50 - X25 | 100 | 63 | 41 | 25 | 955 | VR 50-X25 | VR 50-N-X25 |
| 50 - 35 | 100 | 63 | 49.5 | 33 | 955 | VR 50-35 | VR 50-N/35-N |
| 50 - 42 | 95 | 63 | 53 | 38 | 983 | VR 50/42** | VR 50-N/42 |




## Screwing stems for female thread couplings and plugs

| Hose connect. | Thread connect. | L | L1 | L2 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| Hose i.D. 19 | G 1 m | 70 | 18 | 50 | 16 | 106 | MST-X25/19T |
| Hose i.D. 25 | G 1 m | 83.5 | 18 | 64 | 24 | 128 | MST-X25T |
| Hose i.D. 35 | G 1 1/4 m | 91 | 19 | 70 | 30 | 236 | MST-35T |
| Hose i.D. 38 | G 1 1/4 m | 91 | 20 | 70 | 33 | 210 | MST-38/35T |
| Hose i.D. 35 | G 2 m | 107 | 27 | 77 | 30 | 506 | MST-50/35T |
| Hose i.D. 42 | G 1 1/2 m | 97 | 19 | 77 | 38 | 259 | MST-42T |
| Hose i.D. 42 | G 2 m | 106 | 26 | 77 | 38 | 428 | MST-50/42T |
| Hose i.D. 50 | G 2 m | 110 | 26 | 82 | 42 | 510 | MST-50T |
| Hose i.D. 65 | G 2 1/2 m | 130 | 25 | 98 | 56 | 1145 | MST-65T |

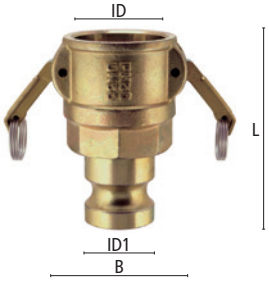



## Couplings with plug – system-reducing-adaptors

| Type-Size | L | B | ID | ID1 | Passage | Weight | Type No. | Type No. |
|---|---|---|---|---|---|---|---|---|
| X25 - 25 | 132 | 74 | 42 | 35 | 20 | 993 | MSA-X25/25 | Same dimension |
| 35 - X25 | 133 | 77 | 51 | 41 | 24 | 1154 | MSA 35/X25 | MSA 35-N/X25 |
| 42 - 35 | 135 | 84 | 54 | 49 | 33 | 1270 | MSA 42/35** | MSA 42/35-N |
| 50 - 35 | 133 | 94 | 64 | 49 | 33 | 1580 | MSA 50/35 | MSA 50-N/35-N |
| 50 - 42 | 133 | 94 | 64 | 53 | 38 | 1585 | MSA 50/42** | MSA 50-N/42 |

*Handles and seals as spare parts (page 257)

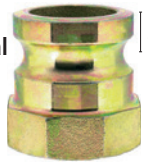
**type-size 42 system 17.5 derived from DIN EN 14420-7, DN 40



# Mortar Couplings and Plugs

## made of Malleable Iron/ Steel, Rigid and Swivelling, for Hydraulic Hose Crimping

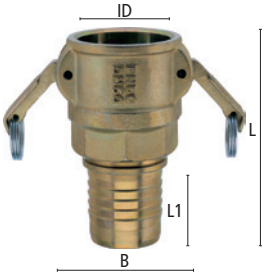
- For hydraulic crimping with turned steel ferrules
- Safe, closed and unremovable connection of hose and fitting
- Couplings and Plugs of malleable iron/ steel, zinc-plated and yellow passivated (free of chrome VI)
- Turned stem profile for exact fit of the hose
- Stem-profiles, ferrules and crimping dimensions for special hoses on request according to drawings or hose samples
- Swivelling Version three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier appplication




System 22
(for all type-sizes except 42)


System 23.5
(only type-sizes 35 and 50!)

| Max. Working Pressure | Thread | TÜV-inspected | Media | |
|---|---|---|---|---|
| PN 50 bar | ISO 288 | all types | Mortar/concrete | 1 |

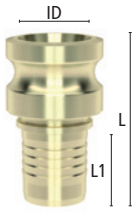



### Couplings with hose stem (full passage)

| Hose connect. | L | B | Type-Size | ID | Passage | System | Presshül. | Weight | Type No. System 22 | Type No. System 23.5 |
|---|---|---|---|---|---|---|---|---|---|---|
| Hose 25x7 | 125 | 55 | 25 | 35,5 | 24 | rigid,2 Handles | PH-X25 | 540 | MSTP 25* | Same dimension |
| Hose 25x7 | 128 | 74 | X25 | 42 | 24 | rigid,2 Handles | PH-X25 | 780 | MSTP-X25 | Same dimension |
| Hose 35x7 | 138 | 77 | 35 | 51 | 30 | rigid,2 Handles | PH-35 | 910 | MSTP 35 | MSTP 35-N |
| Hose 38x7 | 135 | 77 | 35 | 51 | 33 | rigid,2 Handles | PH-38 | 910 | MSTP 38/35 | MSTP 38/35-N |
| Hose 42x7 | 127 | 84 | 42 | 54 | 38 | rigid,2 Handles | PH-42 | 974 | MSTP 42** | Same dimension |
| Hose 50x9 | 145 | 94 | 50 | 64 | 44 | rigid,2 Handles | PH-50 | 1480 | MSTP 50 | MSTP 50-N |

### Couplings with hose stem (reduced passage)

| Hose connect. | L | B | Type-Size | ID | Passage | System | Ferrule | Weight | Type No. | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|
| Hose 19x6 | 125 | 74 | X25 | 42 | 15 | rigid, 2 Handles | PH-19 | 780 | MSTP-X25/19R | Same dimension |
| Hose 25x7 | 129 | 77 | 35 | 51 | 24 | rigid, 2 Handles | PH-X25 | 870 | MSTP 35/25 R | MSTP 35/25 R-N |
| Hose 35x7 | 140 | 94 | 50 | 64 | 30 | rigid, 2 Handles | PH-35 | 1480 | MSTP 50/35 R | MSTP 50/35 R-N |




### Plugs with hose stem (full passage)

| | Hose connect. | L | SW | Type-Size | ID | L1 | Passage | System | Ferrule | Weight | Type No. | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hose 25x7 | 100 | - | 25 | 35.5 | 44 | 20 | rigid | PH-X25 | 305 | VSTP 25 | Same dimension |
| | Hose 25x7 | 104 | - | X25 | 41 | 44 | 24 | rigid | PH-X25 | 339 | VSTP-X25 | Same dimension |
| swivelling | Hose 25x7 | 115 | 41 | X25 | 41 | 45.5 | 24 | swivelling | PH-X25 DR | 380 | VSTP-X25-DR | Same dimension |
| | Hose 35x7 | 107 | - | 35 | 49.5 | 50 | 30 | rigid | PH-35 | 522 | VSTP 35 | VSTP 35-N |
| swivelling | Hose 35x7 | 135 | 50 | 35 | 49.5 | 50 | 30 | swivelling | PH-35 DR | 740 | VSTP 35-DR | VSTP 35-N-DR |
| | Hose 38x7 | 107 | - | 35 | 49.5 | 50 | 33 | rigid | PH-38 | 472 | VSTP 38/35 | VSTP 38/35-N |
| | Hose 42x7 | 106 | - | 42 | 54 | 50 | 38 | rigid | PH-42 | 475 | VSTP 42** | Same dimension |
| | Hose 50x9 | 113 | - | 50 | 63 | 55 | 44 | rigid | PH-50 | 758 | VSTP 50 | VSTP 50-N |
| swivelling | Hose 50x9 | 145 | 65 | 50 | 63 | 55 | 43 | swivelling | PH-50 DR | 1020 | VSTP 50-DR | VSTP 50-N-DR |

### Plugs with hose stem (reduced passage)

| Hose connect. | L | Type-Size | ID | L1 | Passage | System | Presshül. | Weight | Type No. | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|
| Hose 19x6 | 95 | 25 | 35.5 | 40 | 15 | rigid | PH-19 | 238 | VSTP 25/19 R | Same dimension |
| Hose 19x6 | 100 | X25 | 41 | 40 | 15 | rigid | PH-19 | 345 | VSTP-X25/19R | Same dimension |
| Hose 25x7 | 102 | 35 | 49.5 | 45 | 24 | rigid | PH-X25 | 490 | VSTP 35/25 R | VSTP 35/25 R-N |
| Hose 35x7 | 107 | 50 | 63 | 50 | 30 | rigid | PH-35 | 820 | VSTP 50/35 R | VSTP 50/35 R-N |
| Hose 42x7 | 108 | 50 | 63 | 45 | 38 | rigid | PH-42 | 741 | VSTP 50/42 R | VSTP 50/42 R-N |

Other swivelling types on request

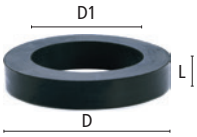
*type-size 25 with one handle

**type-size 42 system 17.5 derived from DIN EN 14420-7, DN 40

# Mortar Couplings and Plugs

**Material:**

- Coupling, handle: Malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- Plug, hose stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N




Seals of Buna N
55° Shore A

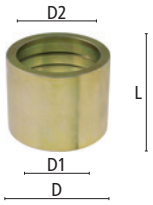
Handle with safety-ring and slotted pin of malleable iron zinc-plated and yellow passivated (free of chrome VI)

**Suitable spare parts**
**(packing Unit: 10 St.)**

| L | D | D1 | Type No. | Type No. |
|---|---|---|---|---|
| 6 | 36 | 24.5 | **MDR 25** | **MNH-628** |
| 6 | 43.5 | 28.5 | **MDR-X25** | **MNH-630** |
| 6 | 53.5 | 36.5 | **MDR 35** | **MNH-628** |
| 6 | 53.5 | 36.5 | **MDR 35** | **MNH-628** |
| 6.5 | 55 | 41 | **MDR 42** | **MNH-628** |
| 6 | 67 | 51 | **MDR 50** | **MNH-636** |

| L | D | D1 | Type No. | Type No. |
|---|---|---|---|---|
| 6 | 43.5 | 28.5 | **MDR-X25** | **MNH-630** |
| 6 | 53.5 | 36.5 | **MDR 35** | **MNH-628** |
| 6 | 67 | 51 | **MDR 50** | **MNH-636** |

**Crimping Ferrules of turned steel for hydraulic crimping (inner profile exactly suitable to hose stem profile)**




| Hose connect. | L | D | Type-size | D1 | D2 | System | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| **Hose 19x6** | 40 | 38 | 19/25 | 31.5 | 24.5 | rigid | 102 | **PH-19** |
| **Hose 25x7** | 50 | 50 | X25 | 41 | 33 | rigid | 218 | **PH-X25** |
| **Hose 25x7** | 50 | 50 | X25 | 41 | 31.3 | swivelling | 220 | **PH-X25 DR** |
| **Hose 35x7** | 55 | 58 | 35 | 49 | 42.5 | rigid | 275 | **PH-35** |
| **Hose 35x7** | 55 | 58 | 35 | 49 | 41 | swivelling | 280 | **PH-35 DR** |
| **Hose 38x7** | 55 | 61 | 35 | 53 | 45.5 | rigid | 259 | **PH-38** |
| **Hose 42x7** | 55 | 65 | 42 | 56 | 50.5 | rigid | 313 | **PH-42** |
| **Hose 50x9** | 60 | 75 | 50 | 68.5 | 59.5 | rigid | 302 | **PH-50** |
| **Hose 50x9** | 60 | 75 | 50 | 68.5 | 57 | swivelling | 310 | **PH-50 DR** |

**Screwing Stems for hydraulic crimping**


| Hose connect. | Thread connect. | L | D | L1 | L2 | Passage | Ferrule | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| **Hose 19x6** | G 1 m | 69.5 | 24 | 40 | 18 | 15 | PH-19 | 125 | **MSTP-X25/19T** |
| **Hose 25x7** | G 1 m | 73.5 | 32.5 | 45 | 18 | 24 | PH-X25 | 120 | **MSTP-X25T** |
| **Hose 35x7** | G 1 1/4 m | 80 | 42 | 50 | 19 | 30 | PH-35 | 218 | **MSTP-35T** |
| **Hose 38x7** | G 1 1/4 m | 80 | 45 | 50 | 19 | 33 | PH-38 | 223 | **MSTP-38/35T** |
| **Hose 35x7** | G 2 m | 86 | 42 | 50 | 24 | 30 | PH-35 | 526 | **MSTP-50/35T** |
| **Hose 42x7** | G 1 1/2 m | 80 | 50 | 50 | 20 | 38 | PH-42 | 246 | **MSTP-42T** |
| **Hose 42x7** | G 2 m | 87 | 50 | 50 | 25 | 38 | PH-42 | 452 | **MSTP-50/42T** |
| **Hose 50x9** | G 2 m | 91 | 59 | 55 | 25 | 41 | PH-50 | 497 | **MSTP-50T** |

# Sandblast Couplings

## A Durable Connection for Aggressive Abrasive Media

In applications such as sandblasting cabins or machines we recommend the use of our sandblast couplings and nozzles.

This system is related to the claw coupling design, but different in dimensions with a 58 mm claw distance. All dimensions are identical on the front side and always interchangeable.

### Sandblast Couplings made of Malleable Iron

Robust and stabile

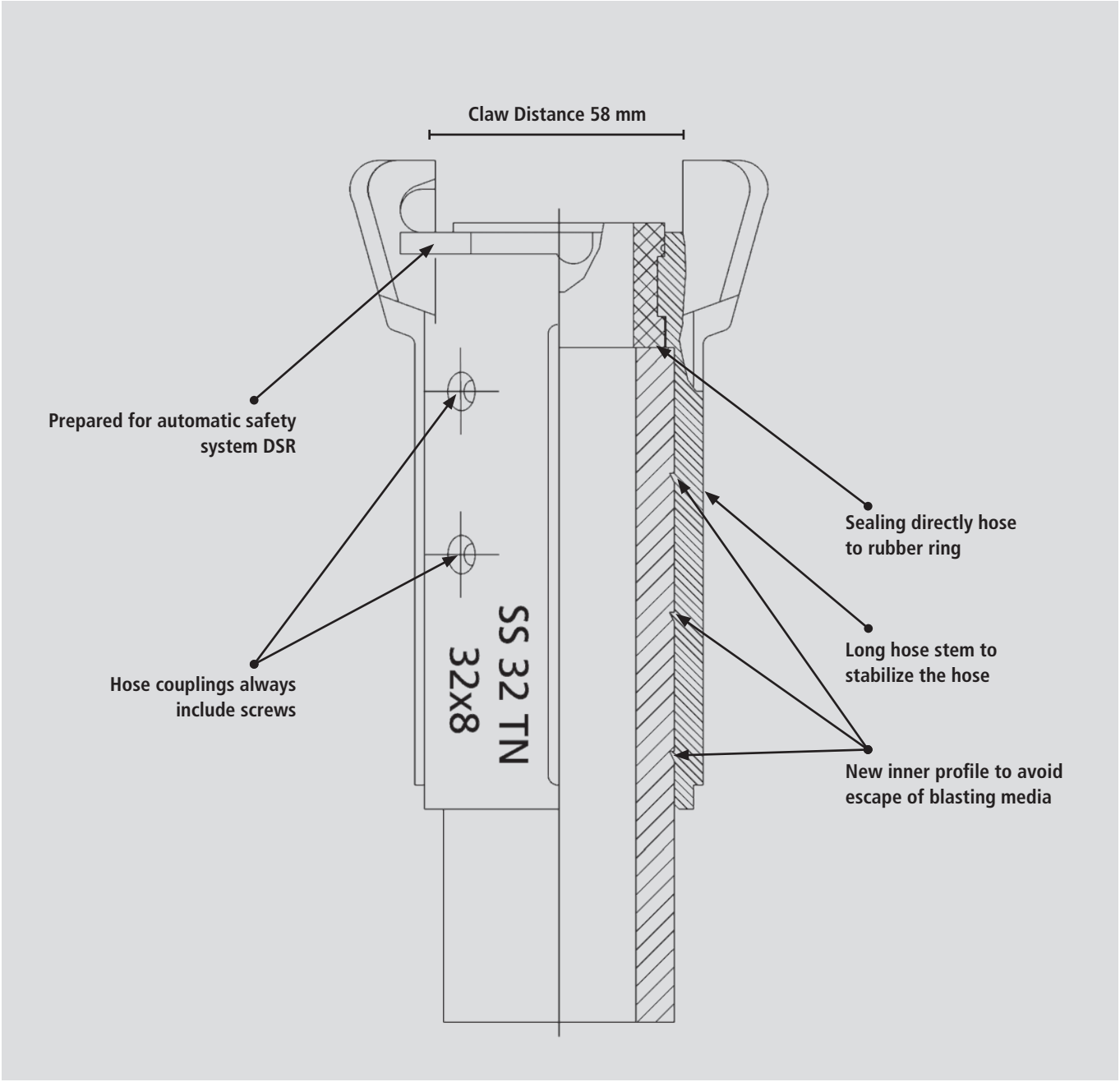
### Sandblast Couplings made of Nylon

Extremely light, easy to handle

**Note:**

We recommend to use a safety system (DSR).
The hose is fixed inside the body of the coupling while locking screws are screwed through the body into the hose. This assembly avoids abrasion and direct contact with the highly aggressive media.

## Proven Design - Reliable Quality



# Sandblast Couplings and Nozzle Holders

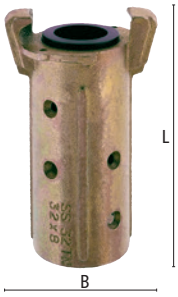
## made of Malleable Iron/ Aluminium

- Couplings of malleable iron, zinc-plated and yellow passivated (free of chrome VI) or of nylon
- Nozzle holders of aluminium or nylon
- Hose couplings and nozzle holders generally with screws
- We recommend in all cases to use our safety-clip USC-1 and for all types 'TN' to use the automatic safety system DSR (for nylon couplings always inclusive) for your own security
- Types 'TN' with direct sealing hose to gasket and extended stem with new inner profile to avoid escape of blasting media
- To be used on all stationary and mobile blasting machines and plants

**Materials:**

- Couplings: Malleable iron zinc-plated and yellow passivated (free of chrome VI) or nylon
- Nozzle Holder: Aluminium or nylon
- O-rings: Buna N

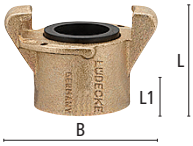
| Max. Working Pressure | Temperature | Thread | Claw Distance | Media | |
|---|---|---|---|---|---|
| PN 12 bar | up to +100°C | ISO 228 / coarse thread | 58 mm | Blasting media | 1 |




**Hose Couplings of malleable iron**

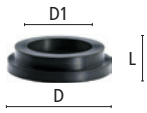
| Hose connection | L | B | Weight | Type No. |
|---|---|---|---|---|
| Hose 19x6 | 100 | 63 | 900 | SS 19 T* |
| Hose 25x7 | 93 | 87 | 481 | SS 25 T |
| Hose 32x8 | 135 | 87 | 827 | SS 32 TN |
| Hose 32x8 | 92 | 87 | 570 | SS 32 T |
| Hose 38x9 | 129 | 87 | 784 | SS 38 T |
| Hose 40x10 | 150 | 87 | 893 | SS 40 T |

*KIG 54 (claw distance 42 mm) with screwed-in steel pipe




**Female thread Couplings of malleable iron**

| Thread connection | L | B | L1 | Weight | Type No. |
|---|---|---|---|---|---|
| G 1 1/4 f | 62 | 87 | 28.5 | 509 | SK 38 TN |
| G 1 1/4 f | 55 | 87 | 27 | 392 | SK 38 T |
| G 1 1/2 f | 62 | 87 | 28.5 | 464 | SK 38/15 TN |
| G 1 1/2 f | 55 | 87 | 27 | 340 | SK 38/15 T |
| Coarse thread 50 | 62 | 87 | 27 | 448 | SK 50 TN |
| Coarse thread 50 | 55 | 87 | 29.5 | 324 | SK 50 T |
| G 2 f | 84 | 87 | 42.5 | 550 | SK 60 T |




**Original Rubber Ring for couplings of malleable iron**

| Syst. | Resistance | L | D | D1 | Material | Temp.°C | Colour | Shore A | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ...T | Oil/ Air | 10,5 | 48,5 | 31 | Buna N | -40 – +95 | black | 60° | 10 | 11 | SKD |
| ...TN | Oil/ Air | 27 | 44 | 31 | Buna N | -40 – +95 | black | 60° | 10 | 20 | SKD-1 |


**Nozzle Holders of aluminium with female thread**

| Hose connection | Thread connection | L | D | L1 | Weight | Type No. |
|---|---|---|---|---|---|---|
| Hose 32x8 | G 1 1/4 f | 130 | 57 | 28.5 | 248 | SD 32-32 A |
| Hose 32x8 | Goarse thread 50 | 130 | 57 | 28.5 | 231 | SD 50-32 A |

**Original Spare Parts for couplings and nozzle holders**

| Typ | Material | Characteristics | | Weight | Type No. |
|---|---|---|---|---|---|
| Screws | Steel zinc-plated | recessed head 4.2 x 13 | 50 | 1 | SHS |
| Safety Clip DIN 11024 | Steel zinc-plated | wire ∅ 3 | 50 | 10 | USC-1 |
| Automat. Safety System | Steel zinc-plated | wire ∅ 2 | 10 | 6 | DSR |

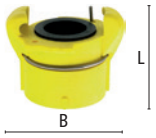
# Sandblast Couplings and Nozzle Holders
## made of Nylon

### Hose Couplings of Nylon

| Hose connection | L | B | Weight | Type No. |
|---|---|---|---|---|
| Hose 19x7 | 110 | 51 | 193 | CQP-3/4 |
| Hose 25x7 | 110 | 51 | 165 | CQP-1 |
| Hose 32x8 | 136 | 60 | 222 | CQP-2 |
| Hose 8x9 | 136 | 67 | 244 | CQP-3 |
| Hose 42x9/40x10 | 136 | 71 | 215 | CQP-4 |

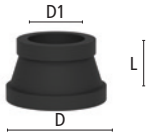

### Female thread Couplings of Nylon

| Thread connection | L | B | Weight | Type No. |
|---|---|---|---|---|
| G 1 1/4 f | 63 | 61 | 126 | CFP |
| Coarse thread 50 mm | 63 | 61 | 107 | CPF-50 |



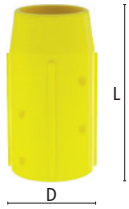

### Original Rubber Ring for couplings of Nylon

| System | Resistance | L | D | D1 | Material | Temp.°C | Colour | Shore A | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CQP-3/4 | Oil /Air | 27 | 44 | 19 | Buna N | -40 – +95 | black | 60° | 5 | 20 | SDR-1 |
| CQP-1 | Oil /Air | 27 | 44 | 25 | Buna N | -40 – +95 | black | 60° | 5 | 17 | SDR-2 |
| All other types | Oil /Air | 27 | 44 | 31.5 | Buna N | -40 – +95 | black | 60° | 5 | 18 | SDR-3 |




### Nozzle Holders of Nylon with female thread

| Hose connection | Thread connection | L | D | Weight | Type No. |
|---|---|---|---|---|---|
| Hose 19x7 | Coarse thread 50 | 100 | 49 | 115 | NHP-34 |
| Hose 25x7 | Coarse thread 50 | 100 | 51 | 93 | NHP-1 |
| Hose 32x8 | Coarse thread 50 | 120 | 59 | 150 | NHP-2 |
| Hose 38x9 | Coarse thread 50 | 128 | 66 | 156 | NHP-3 |
| Hose 19x7 | G 1 1/4 f | 100 | 51 | 109 | HEP-34 |
| Hose 25x7 | G 1 1/4 f | 100 | 51 | 102 | HEP-1 |
| Hose 32x8 | G 1 1/4 f | 128 | 59 | 154 | HEP-2 |
| Hose 38x9 | G 1 1/4 f | 128 | 66 | 166 | HEP-3 |



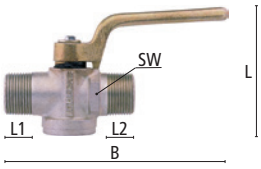

**Sandblast Throttle Valve with lever stop, without exhaust, both sides tapered male thread**

**Extreme reliable Version with throttle of steel**

**Materials:**

- **Housing, Handle: Malleable iron zinc-plated and yellow passivated (free of chrome VI)**

| Inlet | Outlet | L | SW | B | L1 | L2 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| NPT 1 m | NPT 1 m | 96 | 37 | 168 | 22 | 22 | 16 | 741 | ADA 10 SK |



# Hose Clamps and Hose Clips

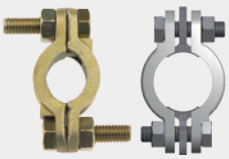
For hose assembly of fittings different assembly methods from strong clamps to light clips can be used according to application, media, pressure or hose material.

The necessary method is subject to criteria such as:

- Safety instructions
- Removable or not removable
- Quickness
- Necessary tools (e.g. crimping machine)
- Cleanliness or connections with injury risk (e.g. over - extended screws)

## Wide Range

At **LÜDECKE** you find the perfect hose clamp for various application areas

| | Hose Clamps Standard Version | Hose Clamps US-Version | Double-Ear Hose Clips | Heavy Duty Clamps |
|---|---|---|---|---|
| |  |  |  |   |
| Clamps: | Malleable iron zinc-plated and yellow passivated/ Stainless steel 1.4401 | Malleable iron zinc-plated and yellow passivated | Unbreakable special reliable steel zinc-plated & blue chromated | - |
| Spacers: | Malleable iron zinc-plated and yellow passivated/ Stainless steel 1.4401 | - | - | - |
| Screws: | Steel zinc-plated/ St. steel A4-70 | Steel zinc-plated | - | Steel zinc-plated |
| Band: | - | - | - | Stainless Steel 1.4016 |
| Body: | - | - | - | Steel zinc-plated |
| **Max. Working Press.:** | PN 16/ 25 bar | PN 25 bar | - | - |
| **Norm:** | DIN 20039 A/B | - | - | DIN 3017 |
| **Page:** | 267 | 268 | 269 | 270 |

# Hose Clamps
## Standard Version

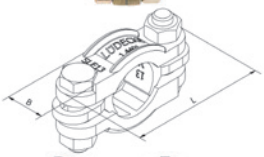
- Robust clamps made of malleable iron, zinc plated and yellow passivated (free of chrome VI) or stainless steel 1.4401
- Robust, easy and secure, for various fittings and applications

### Materials
- Clamps, Spacers: Malleable iron zinc-plated and yellow passivated (free of chrome VI)/ Stainless steel 1.4401
- Screws: Galvanized steel/ Stainless steel A4-70

| Max. Working Pressure | Norm |
|---|---|
| PN 16 / 25 bar | DIN 20039 A/B |

**Hose Clamps, made of malleable iron, two parts with overlapping cast-on-spacers**

| Version | Hose-o.D./ Range | L | B | Screw size | | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 22-29 | 60 | 17 | M 8x30 | 10 | 95 | S 22 |
| Hose i.D. 19 | 27-32 | 70.5 | 17 | M 8x30 | 10 | 105 | S 34 |



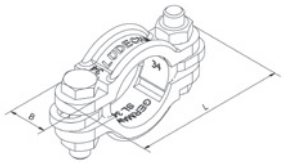
**Hose Clamps DIN 20039 A, made of stainess steel 1.4401, two parts with loose spacers**

| 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 |

**Hose Clamps DIN 20039 A, made of malleable iron, two parts with loose spacers**

| Version | Hose-o.D./ Range | L | B | Screw size | | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 22-29 | 63 | 18 | M 8x30 | 10 | 128 | SL 29* |
| Hose i.D. 19 | 28-34 | 71 | 18 | M 8x30 | 10 | 134 | SL 34* |
| Hose i.D. 25 | 32-40 | 81 | 18 | M 10x35 | 10 | 188 | SL 40* |
| Hose i.D. 32 | 39-49 | 91 | 20 | M 10x35 | 10 | 244 | SL 49* |
| Hose i.D. 38 | 48-60 | 108 | 24 | M 10x45 | 5 | 297 | SL 60* |
| Hose i.D. 50 | 56-72 | 116 | 25 | M 10x50 | 5 | 340 | SL 72 |
| Hose i.D. 50 | 60-76 | 127 | 25 | M 10x50 | 5 | 405 | SL 76* |
| Hose i.D. 63 | 77-94 | 146 | 30 | M 12x55 | 5 | 556 | SL 94* |
| Hose i.D. 75 | 73-94 | 139 | 25 | M 12x110 | 1 | 665 | SL 400 |
| Hose i.D. 75 | 94-115 | 176 | 35 | M 12x65 | 1 | 739 | SL 115 |
| Hose i.D. 89 | 113-127 | 170 | 27 | M 12x110 | 1 | 890 | SL 525 |
| Hose i.D. 89 | 115-145 | 198 | 38 | M 12x80 | 1 | 1046 | SL 145 |
| Hose i.D. 100 | 127-140 | 178 | 28 | M 12x110 | 1 | 972 | SL 550 |
| Hose i.D. 100 | 135-155 | 194 | 27 | M 12x110 | 1 | 984 | SL 600 |
| Hose i.D. 125 | 155-175 | 217 | 30 | M 12x125 | 1 | 1130 | SL 675 |
| Hose i.D. 150 | 175-195 | 244 | 30 | M 12x125 | 1 | 1445 | SL 769 |
| Hose i.D. 175 | 210-225 | 280 | 35 | M 16x150 | 1 | 2163 | SL 875 |
| Hose i.D. 200 | 227-250 | 312 | 35 | M 16x150 | 1 | 2610 | SL 988 |

*according to DIN 20039 A

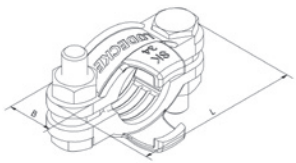


**Hose Clamps DIN 20039 B, made of malleable iron, two parts with loose spacers and safety claws*****

| Version | Hose-o.D./ Range | L | B | Screw size | | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| Hose i.D. 13 | 22-29 | 63 | 18 | M 8x30 | 10 | 142 | SK 29 |
| Hose 19x2 | | 63 | 18 | M 8x30 | 10 | 140 | SK 29 FL** |
| Hose i.D. 19 | 28-32 | 77 | 21 | M 10x35 | 10 | 220 | SK 34 |
| Hose 25x2 | | 77 | 21 | M 10x35 | 10 | 220 | SK 34 FL** |
| Hose i.D. 25 | 35-42 | 90 | 22 | M 10x35 | 10 | 272 | SK 39 |
| Hose i.D. 28 | 42-45 | 98 | 24 | M 10x35 | 5 | 340 | SK 44 |
| Hose i.D. 35 | 45-53 | 108 | 25 | M 10x45 | 5 | 380 | SK 51 |
| Hose i.D. 42 | 55-60 | 119 | 26 | M 10x45 | 1 | 416 | SK 60 |
| Hose i.D. 50 | 60-73 | 132 | 30 | M 12x55 | 1 | 637 | SK 73 |
| Hose i.D. 75 | 86-102 | 160 | 28 | M 12x55 | 1 | 860 | SK 75 |

**for flat hose

***PN 25 bar



# Hose Clamps

## US Version

- Robust clamps made of malleable iron, zinc plated and yellow passivated (free of chrome VI)
- Robust, easy and secure, for various fittings and applications

**Materials**

- Clamps: Malleable iron, zinc-plated and yellow passivated (free of Chrome VI)
- Screws: Galvanized steel

| Max. Working Pressure |
|---|
| PN 25 bar |

**US Version Hose Clamps, two parts with safety claws**

| Version | Hose-o.D./ Range | L | B | Screw size | Screws | | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| **Hose i.D. 13** | 21-27 | 45 | 55 | M 8x35 | 2 | 10 | 171 | **LB-4** |
| **Hose i.D. 19** | 30-35 | 43 | 65 | M 8x45 | 2 | 10 | 176 | **SKA 34** |
| **Hose i.D. 19** | 30-33 | 64 | 70 | M 10x50 | 2 | 1 | 405 | **LBU-9** |
| **Hose i.D. 19** | 33-38 | 70 | 71 | M 10x50 | 2 | 1 | 413 | **LB-9** |
| **Hose i.D. 19** | 38-43 | 68 | 78 | M 10X60 | 2 | 1 | 433 | **LB-10** |
| **Hose i.D. 25** | 34-45 | 70 | 85 | M 10x50 | 2 | 1 | 500 | **SKA 10** |
| **Hose i.D. 50** | 63-70 | 100 | 120 | M 12x80 | 4 | 1 | 1503 | **LBU-29** |

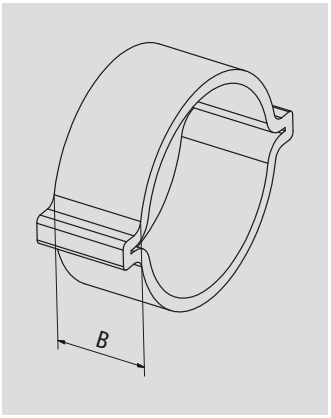
# Double-Ear Hose Clips

- 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 unremovable
- No risk of injury, closed and unremovable connection
- Suitable for assembly of many hoses and fittings for use with various media

**Materials**

- Clips: Unbreakable special realiable 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 | | 332 | ZOSZ |

NEW!

# Heavy Duty Clamps

## made of Steel (DIN 3017)

- Heavy duty clamp made of stainless steel 1.4016
- New special screw with integrated distance tube and better performance
- Reinforced band strap and therefore higher torques (very high breaking torque and very high clamping force)
- Mechanical mounting, therefore no welding points and corrosion contact
- Bridge for sustainable hose relief
- Robust band with rounded edges prevents injuries and hose break
- Simple installation (with manual, pneumatic or electrical standard tools)
- Packed in boxes
- For applications with strict requirements for the hose clamps (for the application of suction and compressed air hoses with high degree of hardness or with plastic / steel core)

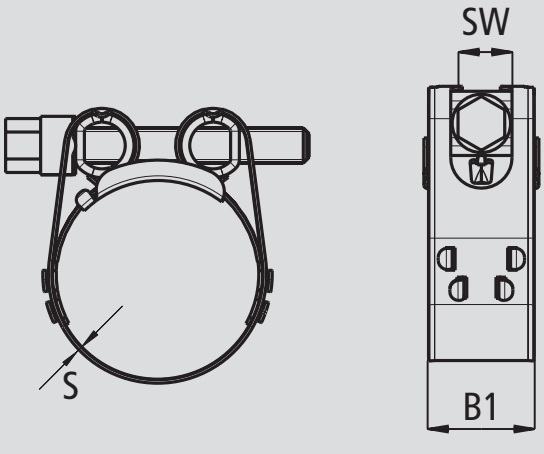
**Materials**

- Band: Stainless steel 1.4016
- Body, Screws: Steel zinc-plated (free of chrome VI)


| Norm |
|---|
| DIN 3017 |

**Heavy Duty Clamps**

| Range | | | torque | Band width | Band thickness | | | |
|---|---|---|---|---|---|---|---|---|
| mm | inch | SW | Max. Nm. | B1 | S | | Weight | Type No. |
| 17-19 | 11/16-3/4 | 8 | 8 | 18 | 0.6 | 100 | 52 | GBSM 19 |
| 19-21 | 3/4-13/16 | 8 | 8 | 18 | 0.6 | 100 | 52 | GBSM 21 |
| 21-23 | 13/16-15/16 | 8 | 8 | 18 | 0.6 | 100 | 52 | GBSM 23 |
| 23-25 | 15/16-1 | 8 | 8 | 18 | 0.6 | 100 | 52 | GBSM 25 |
| 25-27 | 1-1 1/16 | 8 | 8 | 18 | 0.6 | 50 | 52 | GBSM 27 |
| 27-29 | 1 1/16-1 1/8 | 8 | 8 | 18 | 0.6 | 50 | 52 | GBSM 29 |
| 29-31 | 1 1/8-1 1/4 | 8 | 8 | 18 | 0.6 | 50 | 85 | GBSM 31 |
| 31-34 | 1 1/4-1 5/16 | 8 | 8 | 18 | 0.6 | 50 | 85 | GBSM 34 |
| 34-37 | 1 5/16-1 7/16 | 8 | 8 | 18 | 0.6 | 50 | 85 | GBSM 37 |
| 37-40 | 1 7/16-1 9/16 | 8 | 8 | 18 | 0.6 | 50 | 85 | GBSM 40 |
| 40-43 | 1 9/16-1 11/16 | 8 | 8 | 18 | 0.6 | 50 | 85 | GBSM 43 |
| 43-47 | 1 11/16-1 7/8 | 10 | 10 | 20 | 0.8 | 25 | 85 | GBSM 47 |
| 47-51 | 1 7/8-2 | 10 | 10 | 20 | 0.8 | 25 | 85 | GBSM 51 |
| 51-55 | 2-2 3/16 | 10 | 10 | 20 | 0.8 | 25 | 115 | GBSM 55 |
| 55-59 | 2 3/16-2 5/16 | 10 | 10 | 20 | 0.8 | 25 | 115 | GBSM 59 |
| 59-63 | 2 5/16-2 1/2 | 10 | 10 | 20 | 0.8 | 25 | 115 | GBSM 63 |
| 63-68 | 2 1/2-2 11/16 | 10 | 10 | 20 | 0.8 | 10 | 115 | GBSM 68 |
| 68-73 | 2 11/16-2 7/8 | 13 | 20 | 25 | 1.0 | 10 | 153 | GBSM 73 |
| 73-79 | 2 7/8-3 1/8 | 13 | 20 | 25 | 1.0 | 10 | 153 | GBSM 79 |



# Ball Valves and Throttle Valves

The ball and throttle valves are being used as shut-off valves in pipe systems.

At the ball valves a ball functions as shut-off device in the fitting, which opens and closes with a 90 degree rotation. Because of the full passage only low flow losses occur. The sealing is done by specific O-Rings wich are attached between the ball and the body.

At the throttle valves, a cone shaped throttle will be pressed against the body. This seals the valve without any seal wear (almost no dead space on the through route). Shutting off is realized by pressure reduction due to ventilation of the output side, which leds lo a safe disconnection.

## Wide Selection

At **LÜDECKE** you can get the perfect ball valves and throttle valves for various application areas

| | Ball valves Sturdy-Version | Ball valves Light-Version | Double Ball Valves and Air hammer Ball Valves | Throttle Valves Standard-Version | Throttle Valves US-Version |
|---|---|---|---|---|---|
| |  |  |  |  |  |
| Body: | Brass CW617N | Forged brass nickel-pl. | Brass CW617N | Mall. iron zinc pl.+yellow pass. | Mall. iron zinc pl.+yellow pass. |
| Sockets: | Brass CW617N | Forged brass nickel-pl. | Brass CW617N | - | - |
| Spindle and nut: | Brass MS 58 nickel-pl. | Brass MS 58 nickel-pl. | Brass MS 58 plain | - | - |
| Ball: | Brass MS 58 chromed | Brass MS 58 chromed | Brass MS 58 chromed | - | - |
| Seals: | PTFE*/ FKM** | PTFE*/ FKM** | PTFE glass fiber reinf.*/ Buna N** | Buna N/ Brass | Buna N |
| Handle: | Steel red lacquered | Steel zinc-plated coated with red PV | Steel red lacquered | Mall. iron zinc pl.+yellow pass. | Mall. iron zinc pl.+yellow pass. |
| **Max. Working Press.:** | PN 35 bar | see diagram | PN 35 bar | PN 10 bar | PN 10 bar |
| **Temperature:** | -15°C – + 100°C | -15°C – + 120°C | -15°C – + 100°C | -15°C – + 80°C | -15°C – + 80°C |
| **Thread:** | DIN 2999 | ISO 228 | ISO 228 | ISO 228 | NPT, ANSI / ASME B1.20.1 |
| **Page:** | 272 | 272 | 273 | 274 | 275 |

*ball seals **spindle seals

Mall. iron zinc pl.+yellow pass. = Malleable iron zinc plated and yellow passivated

# Ball Valves

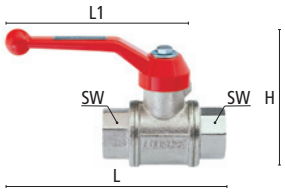
## Sturdy Version made of Brass Nickel-Plated

- High-quality ball valves for air, water, paint, solvents etc.
- Maintenance-free operation, long-living, sturdy and reliable, easy switching with full free passage, tested of tightness
- For Industry, Construction and Civil Installations

**Materials**

- Body and Sockets: Brass CW617N sandblasted and nickel-plated
- Spindle and Nut: Brass MS 58 nickel-plated
- Ball: Brass MS 58 chromed
- Ball seals: PTFE
- Spindle seals: FKM
- Handle: Steel red lacquered

| Max. Working Pressure | Temperature | Thread | Media | |
|---|---|---|---|---|
| PN 35 bar | -15°C – +100°C | DIN 2999 | Various | 1 |




**Ball Valves with female thread DIN 2999**

| Thread connection | L | SW | H | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| 2 x R 1/4 f | 50 | 25 | 78 | 95 | 8 | 296 | KM 14 T |
| 2 x R 3/8 f | 60 | 25 | 78 | 95 | 10 | 302 | KM 38 T |
| 2 x R 1/2 f | 75 | 26 | 82 | 95 | 15 | 390 | KM 12 T |
| 2 x R 3/4 f | 80 | 32 | 90 | 104 | 20 | 682 | KM 34 T |
| 2 x R 1 f | 90 | 39 | 97 | 104 | 25 | 876 | KM 10 T |
| 2 x R 2 f | 140 | 70 | 170 | 178 | 50 | 3700 | KM 20 T |

# Ball Valves

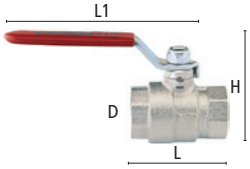
## Light Version made of Brass Nickel-Plated

- Ball Valves with full passage and smaller sizes
- For Construction, Industry, Craftmanship, Agriculture or Civil Installations

**Materials**

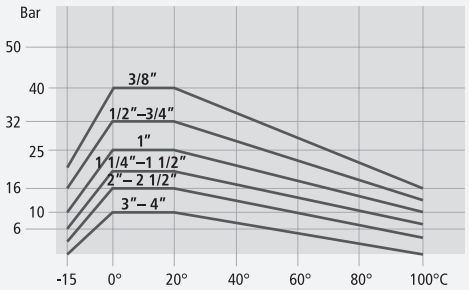
- Body and Sockets: Forged brass nickel-plated
- Ball: Brass MS 58 chromed
- Spindle seals: FKM
- Spindle and Nut: Brass MS 58 nickel-plated
- Ball seals: PTFE
- Handle: Steel zinc-plated and coated with red PVC

| Max. Working Pressure | Temperature | Thread | Passage | Pressure drop | Media | |
|---|---|---|---|---|---|---|
| Diagramm | -15°C – +120°C | ISO 228 | Diagram | Diagram | Various | 1 |

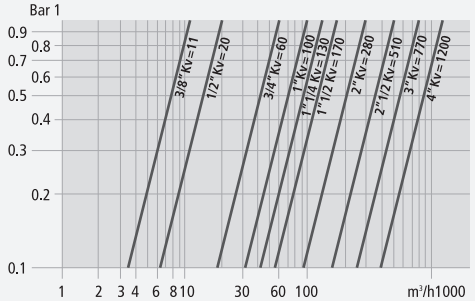



**Ball Valves with female thread ISO 228**

| Thread connection | L | H | D | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| 2 x G 1/4 f | 37 | 41 | 23 | 85 | 8 | 114 | K 14 K |
| 2 x G 3/8 f | 42 | 37 | 24 | 85 | 10 | 132 | K 38 K |
| 2 x G 1/2 f | 50 | 40 | 30 | 85 | 15 | 180 | K 12 K |
| 2 x G 3/4 f | 58 | 48 | 38 | 105 | 20 | 306 | K 34 K |
| 2 x G 1 f | 68 | 52 | 46 | 105 | 25 | 470 | K 10 K |
| 2 x G 1 1/4 f | 80 | 63 | 58 | 130 | 32 | 813 | K 54 K |
| 2 x G 1 1/2 f | 93 | 69 | 70 | 130 | 40 | 1262 | K 15 K |
| 2 x G 2 f | 110 | 83 | 86 | 165 | 50 | 2100 | K 20 K |
| 2 x G 2 1/2 f | 133 | 116 | 111 | 260 | 65 | 3799 | K 25 K |
| 2 x G 3 f | 156 | 127 | 135 | 260 | 80 | 5625 | K 30 K |




**Pressure and temperature digram**
For each ball valve, the nominal pressure PN depends on the type size and the temperature or vice versa.




**Port capacity and pressure drop diagram**
The Kv is the index port capacity, expressed in cubic meters per hour, causing a pressure drop of 1 bar with water at 15°C.

# Double Ball Valves and Airhammer Ball Valves

## Sturdy Version made of Brass Plain

- High quality, maintenance free, extremely robust valves made of forging brass
- With lever stop and ventilation, on request also without ventilation
- For compressed air in construction, on compressors and airhammers in the industry

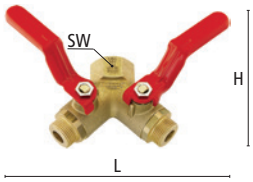
**Materials**

- Body and Sockets: Brass CW617N
- Spindle and Nut: Brass MS 58 plain
- Ball: Brass MS 58 chromed
- Ball seals: PTFE glass fiber reinforced
- Spindle seals: Buna N
- Handle: Steel red lacquered

| Max. Working Pressure | Temperature | Thread | Media | |
|---|---|---|---|---|
| PN 35 bar | -15°C – +100°C | ISO 228 | Compressed air | 1 |

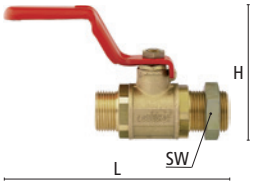
**Double Ball Valves**

| Connection* | Thread connection** | L | SW | H | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| 2 x G 3/4 m | G 1 f | 115 | 41 | 105 | 13 | 1039 | DKH 10 |
| 2 x KIGO 34 claw coupling | G 1 f | 170 | 41 | 130 | 13 | 1350 | DKH 10 G |
| 2 x KIM 34 claw coupling | G 1 f | 170 | 41 | 130 | 13 | 1435 | DKH 10 M |




**Airhammer Ball Valves, inlet thread with lock nut SW 32, outlet with inside cone 1:4**

| Connection* | Thread connection** | L | SW | H | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|
| G 3/4 m | G 3/4 m | 81 | 32 | 82 | 13 | 491 | BKH 34 |
| KIM 34 claw coupling | G 3/4 m | 120 | 32 | 82 | 13 | 684 | BKH 34 M |




- On request we produce valves according to your drawings or samples with special connections and seals.
- Also available with T-Handle up to DN 25 e.g. KM 34 TBG
- Please order ball valves used in inspected plants separately, e.g. KM 12 T - AD (after TRB 404)

*Outlet

**Inlet

# Throttle Valves

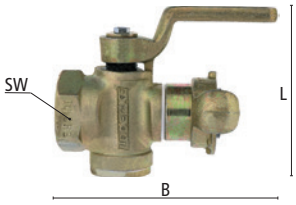
## Standard Version

- Extremely robust valves of malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- With brass throttle and handle of malleable iron
- Self sealing, under pressure the conical throttle is pressed against the body, so the valve gets tight, therefore no wear of seals
- With threads or claw couplings with rubber or brass seal
- When switching off pressure drop through exhaust from outlet side, therefore easy and safe coupling
- For compressed air in construction, on compressors, hose lines and air tools

**Materials:**

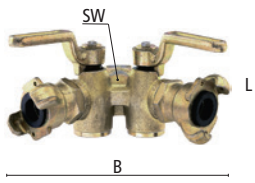
- Body, Handle: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N/ Brass

| Max. Working Pressure | Temperature | Thread | Claw Distance | Media | |
|---|---|---|---|---|---|
| PN 10 bar | -15°C – +80°C | ISO 228 | 42 mm | Compressed air | 1 |



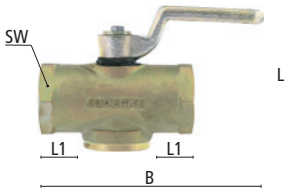

**Single Valves with lever stop and exhaust**

| Inlet | Outlet | L | SW | B | Passage | System | Sealing | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| G 1/2 f | G 3/4 m | 77 | 41 | 100 | 15 | without coupling | | 660 | EH 12 |
| G 3/4 f | G 3/4 m | 70 | 41 | 100 | 17 | without Coupling | | 610 | EH 34 |
| G 1 f | G 3/4 m | 70 | 41 | 100 | 17 | without Coupling | | 565 | EH 10 |
| G 1/2 f | KIGO 34 | 112 | 41 | 100 | 15 | rigid Claw coupling | Buna N | 819 | EHG 12 |
| G 3/4 f | KIGO 34 | 100 | 41 | 100 | 17 | rigid Claw coupling | Buna N | 761 | EHG 34 |
| G 1 f | KIGO 34 | 100 | 41 | 100 | 17 | rigid Claw coupling | Buna N | 726 | EHG 10 |
| G 1/2 f | KIM 34 | 122 | 41 | 100 | 15 | rigid Claw coupling | Brass | 859 | EHM 12 |
| G 3/4 f | KIM 34 | 115 | 41 | 100 | 17 | rigid Claw coupling | Brass | 808 | EHM 34 |
| G 1 f | KIM 34 | 115 | 41 | 100 | 17 | rigid Claw coupling | Brass | 759 | EHM 10 |
| swivelling G 3/4 f | KIG 34-DR | 130 | 41 | 100 | 17 | swivelling Claw coupling | Buna N | 943 | EHG 34-DR |



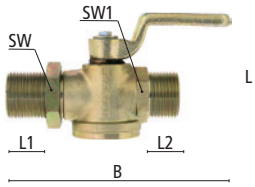

**Double Valves with lever stop and exhaust**

| Inlet | Outlet | L | SW | B | Passage | System | Sealing | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| G 3/4 f | 2 x G 3/4 m | 110 | 41 | 100 | 17 | without Coupling | | 1146 | DH 34 |
| G 1 f | 2 x G 3/4 m | 110 | 41 | 100 | 17 | without Coupling | | 1100 | DH 10 |
| G 3/4 f | 2 x KIGO 34 | 170 | 41 | 100 | 17 | rigid Claw coupling | Buna N | 1466 | DHG 34 |
| G 1 f | 2 x KIGO 34 | 170 | 41 | 100 | 17 | rigid Claw coupling | Buna N | 1438 | DHG 10 |
| G 3/4 f | 2 x KIM 34 | 180 | 41 | 100 | 17 | rigid Claw coupling | Brass | 1545 | DHM 34 |
| G 1 f | 2 x KIM 34 | 180 | 41 | 100 | 17 | rigid Claw coupling | Brass | 1503 | DHM 10 |
| swivelling G 3/4 f | 2 x KIG 34-DR | 225 | 41 | 100 | 17 | swivelling Claw coupling | Buna N | 1816 | DHG 34-DR |




**Straight Way Valves without lever stop, without exhaust, on request with exhaust**

| Inlet | Outlet | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| G 1/2 f | G 1/2 f | 80 | 37 | 96 | 18 | 13 | 700 | DU 12 |
| G 3/4 f | G 3/4 f | 92 | 41 | 96 | 25 | 16 | 820 | DU 34 |
| G 1 f | G 1 f | 92 | 41 | 96 | 13 | 16 | 770 | DUL 10 |
| G 1 f | G 1 f | 87 | 43 | 125 | 18 | 20 | 1012 | DUS 10 |




**Airhammer Valves DIN 20030 without lever stop, without exhaust, inlet thread with lock nut SW 32/41**

| Inlet | Outlet | L | SW | B | L1 | L2 | SW1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/4 m | G 3/4 m, cone 1 : 4 | 110 | 32 | 85 | 34 | 17 | 32 | 13 | 632 | BH 343 |
| G 3/4 m | Rd 32 x 1/8 m, cone 1 : 3 | 140 | 32 | 95 | 34 | 17 | 32 | 13 | 773 | BH 3486 |
| G 1 m | G 1 m, cone 1 : 3 | 120 | 36 | 95 | 40 | 22 | 36 | 16 | 848 | BH 106 |
| G 1 m | Rd 32 x 1/8 m, cone 1 : 3 | 120 | 36 | 95 | 40 | 22 | 36 | 16 | 834 | BH 326 |

# Throttle Valves
## US-Version

- Extremely robust valves of malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- With brass throttle and handle of malleable iron
- Self sealing, under pressure the conical throttle is pressed against the body, so the valve gets tight, therefore no wear of seals
- With NTP-threads or claw couplings US-Type with rubber seal
- When switching off pressure drop through exhaust from outlet side, therefore easy and safe coupling
- For compressed air in construction, on compressors, hose lines and air tools

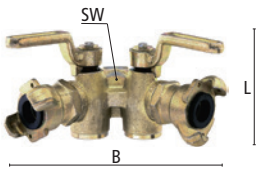
**Materials:**

- Body, handle: malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- Sealing: Buna N

| Max. Working Pressure | Temperature | Thread | Claw Distance | Media | |
|---|---|---|---|---|---|
| PN 10 bar | -15°C – +80°C | NPT, ANSI / ASME B1.20.1 | 41 mm | Compressed air | 1 |

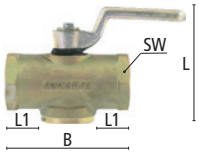
**US-Double Valves with lever stop and exhaust**

| Inlet | Outlet | L | SW | B | Passage | System | Sealing | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| **NPT 3/4 f** | NPT 2 x 3/4 m | 120 | 41 | 100 | 17 | without Coupling | | 1170 | **DHA 34** |
| **NPT 1 f** | NPT 2 x 3/4 m | 120 | 41 | 100 | 17 | without Coupling | | 1130 | **DHA 10** |
| **NPT 3/4 f** | 2 x KIA 34 | 205 | 41 | 100 | 17 | Rigide Claw coupling | Buna N | 1570 | **DHGA 34** |
| **NPT 1 f** | 2 x KIA 34 | 205 | 41 | 100 | 17 | Rigide Claw coupling | Buna N | 1530 | **DHGA 10** |




**US-Straight-Way Valves without lever stop, without exhaust, on request with exhaust**

| Inlet | Outlet | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| **NPT 1/2 f** | NPT 1/2 f | 80 | 32 | 80 | 16 | 13 | 530 | **ADI 12** |
| **NPT 3/4 f** | NPT 3/4 f | 95 | 41 | 96 | 17 | 16 | 905 | **ADI 34** |
| **NPT 1 f** | NPT 1 f | 95 | 41 | 96 | 18 | 16 | 850 | **ADI 10** |




**US-Straight-Way Valves without lever stop, without exhaust, on request with exhaust**

| Inlet | Outlet | L | SW | B | L1 | Passage | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| **NPT 1/2 m** | NPT 1/2 m | 85 | 25 | 80 | 17 | 13 | 430 | **ADA 12** |
| **NPT 3/4 m** | NPT 3/4 m | 95 | 37 | 96 | 18 | 16 | 700 | **ADA 34** |
| **NPT 1 m** | NPT 1 m | 95 | 37 | 96 | 22 | 16 | 750 | **ADA 10** |