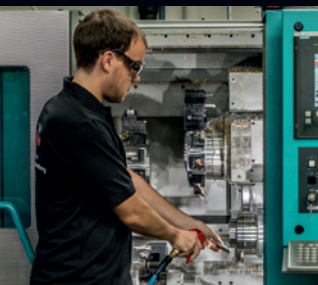


# LÜDECKE

Since 1930. The perfect connection.




## Quick Connect Couplings and Accessories for Pneumatics Product Range 2018 / 19



**Opti  
Flow**  
by LÜDECKE



LÜDECKE MADE IN GERMANY 

# A Superior Product Range for Compressed Air



Due to the high level of automation of modern manufacturing facilities, compressed air plays a significant role as an energy source within industrial companies. An easy and efficient way to work with compressed air is the base for every industrial company.

The versatile, high-quality **LUDECKE** quick connect coupling systems are ideally suited for compressed air applications and pneumatics. It guarantees a quick, easy to use and safe connection and disconnection of tools, machines and hoses with high efficiency.

#### Advantages:

- High-quality materials
- Sturdy, reliable, totally leak-proof and durable
- Easy to couple
- Various sizes and connection types
- Energy efficient quick connect couplings equipped with different safety mechanisms
- Numerous possible applications for pneumatics, measurement and control technology

## Wide Selection

To ensure the greatest possible compatibility and enable worldwide use, the **LUDECKE** product range contains a large selection of european and international plug profiles.

If there is no coupling system in our product range, which meets your requirements, we will be pleased to create an individual solution with you.



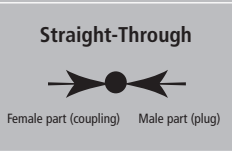
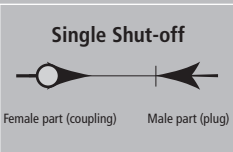
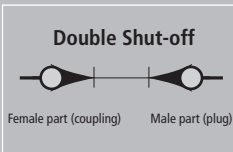
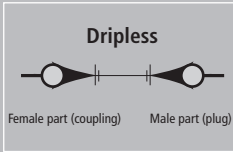
European plug profiles



International plug profiles

# Valve Designs

The **LUDECKE** quick connect couplings are available in different valve designs.

<p><b>Straight-Through</b></p>  <p>Female part (coupling)    Male part (plug)</p>	<p><b>Single Shut-off</b></p>  <p>Female part (coupling)    Male part (plug)</p>	<p><b>Double Shut-off</b></p>  <p>Female part (coupling)    Male part (plug)</p>	<p><b>Dripless</b></p>  <p>Female part (coupling)    Male part (plug)</p>
<ul style="list-style-type: none"> <li>• No valve - neither within the coupling nor within the plug</li> <li>• Maximum flow rate</li> <li>• During disconnection: a leakage of the media from the coupling and plug line occurs</li> </ul>	<ul style="list-style-type: none"> <li>• Straight-through plug</li> <li>• Coupling with valve</li> <li>• During disconnection: a media leakage from the plug line is possible</li> </ul>	<ul style="list-style-type: none"> <li>• Valves on both sides (male/female)</li> <li>• During disconnection: no leakage appears of coupling and plug, constant pressure</li> </ul>	<ul style="list-style-type: none"> <li>• Valves on both sides (male/female)</li> <li>• During disconnection: only a minimal film of the media can leak out (no drop formation)</li> </ul>

## Materials

**LUDECKE** uses for all of their products only excellent materials which are adjusted for every application area.

**Brass (plain/ nickel-plated)** Most of the **LUDECKE** quick connect couplings consist of brass MS 58 (machining brass). It is a very sturdy material which guarantees high durability, and can be excellently galvanized (nickel-plating).

**Steel (machining steel)** If products are used under tough conditions (i.e. in foundries), they need to be manufactured out of machining steel (hardened, nickel-plated or zinc-plated). This material guarantees the possibility to weld, harden and provides a long lifetime.

**Stainless steel** For applications with specific hygienic standards or rather conveying various different media, quick connect couplings made of stainless steel are required. Further information can be found in our program for processing industry.

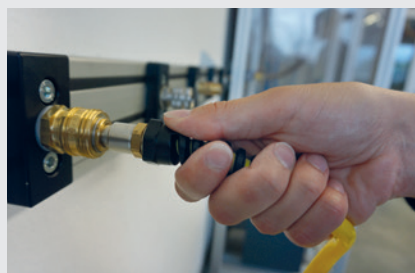
**Seals** Subject to the application and/or requirement, **LUDECKE** offers various sealing types made out of Buna N, EPDM, FKM or FFKM. Of course we only use sealing compounds which satisfy the proven standards.

## Connecting within Seconds

The **LUDECKE** quick connect couplings are characterized by an extra easy handling.



One-hand operation: To connect simply push the plug into the coupling.



To disconnect pull back the sleeve of the coupling (ball or pin locking opens automatically and releases the plug)



## Quick Connect Couplings with European Plug Profiles

Each application area is confronted with various challenges and sets priorities in accordance with the individual requirements. To comply to all applications, **LUDECKE** offers three different lines of quick connect coupling systems with European plug profiles.



### **Quality-Line** Unlimited Flexibility

The **LUDECKE Quality-Line** offers a high-quality coupling portfolio, in various dimensions, which covers all kinds of applications.

- Micro Quick Connect Couplings, Series ESMC DN 2.7
- Mini Quick Connect Couplings, Series ESM DN 5 (also available as dripless version)
- Quick Connect Couplings, Series ES DN 7.2



### **OptiFlow-Line** Energy Efficient Quick Connect Couplings

Despite numerous advantages, compressed air has the reputation of being a cost intensive energy user – in many cases a misstatement. By using the right components an energy efficient operation is possible.

The products from the **LUDECKE OptiFlow-Line** offer energy-optimized coupling systems, which achieve higher flow rates and significantly reduce the energy consumption. This leads to a decrease of energy costs as well as an increase of the durability and the lifetime of the machines.

#### **LUDECKE OptiFlow-Line**

- Streamlined valve
- Extremely high flow rates
- Low pressure drop
- High durability
- Great operational safety and best sealing characteristics



→ For the Series ES11A DN 7.4 / ES12A DN 7.4 / ES1 DN 7.8 / ES1K DN 7.8 / ES1S DN 7.8 / ES1G DN 10 / ESG DN 19



## SafeConnect-Line

### Quick Connect Couplings with Safety Function

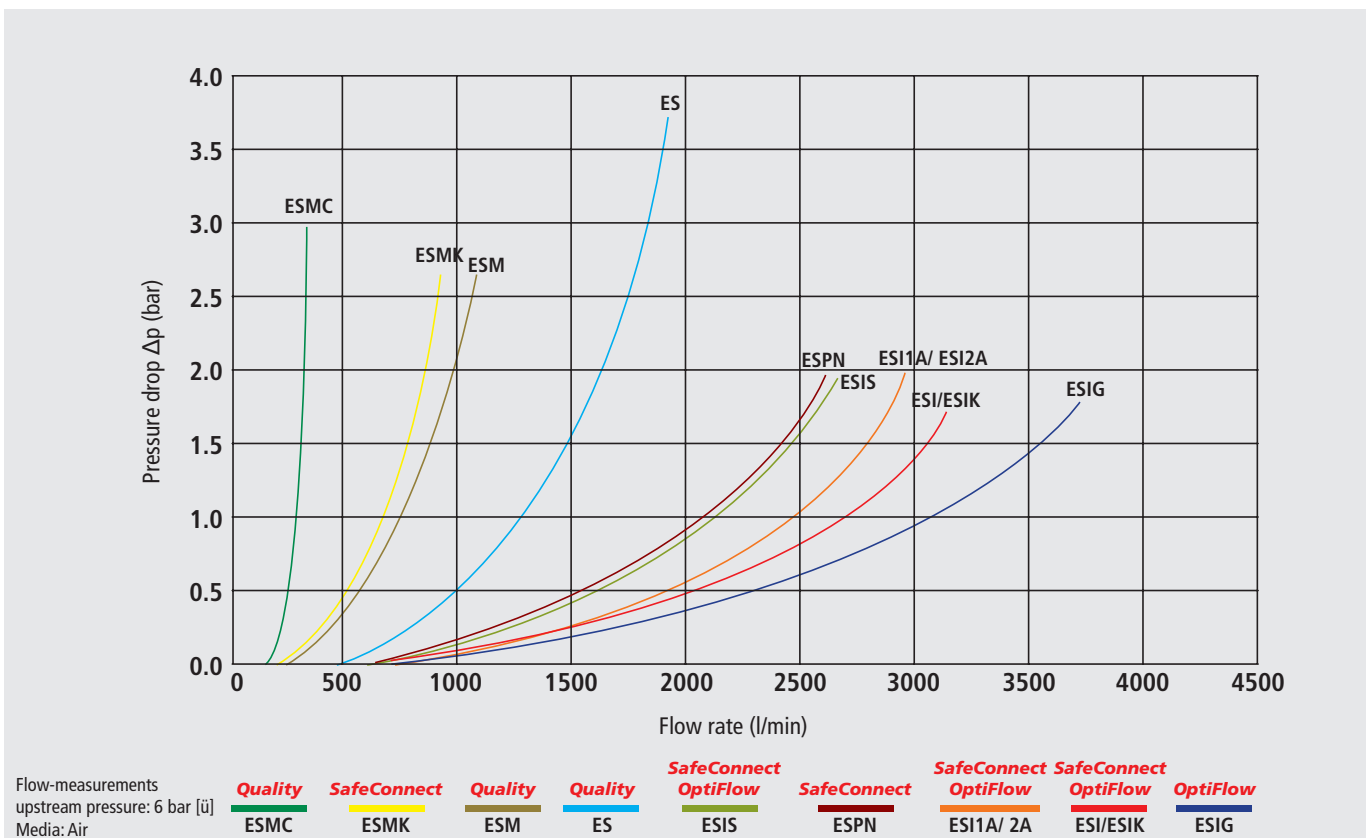
Compressed air is a media with an extremely high potential of danger. In case of improper use and when safety regulations are not being followed, enormous forces can be released and therefore, a risk of injury for the user is omnipresent. The **LUDECKE SafeConnect-Line** offers various coupling systems which reliably prevent any possible problems (e.g. whiplash effect, high noise level, false coupling).

→ For the Series ESIS DN 7.8 / ESPN DN 7.4 / ES DN 7.2 / ESI DN 7.8 / ESIK DN 7.8 / ESI1A DN 7.4 / ESI2A DN 7.4 / ESMK DN 5

Quick Connect Couplings with Self-Venting	Quick Connect Couplings with Sleeve Lock Mechanism	Quick Connect Couplings with Visual Indication
Pressure relief and anti-hose whip reduce the noise level and prevent the whiplash effect.	Various security methods prevent an unwillingly disconnection of the coupling	Colour and shape coded couplings and plugs prevent false coupling
Sleeve concept Push-button concept	Locking nut Locking nut Locking nut + plug-in coding Two-hand operation	Plug and colour coding
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Series: ESIS DN 7.8</p> </div> <div style="text-align: center;"> <p>Series: ESPN DN 7.4</p> </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Series: ES DN 7.2</p> </div> <div style="text-align: center;"> <p>Series: ESI DN 7.8</p> </div> <div style="text-align: center;"> <p><b>NEW!</b> Series: ESIK DN 7.8</p> </div> <div style="text-align: center;"> <p>Series: ESI1A DN 7.4 ESI2A DN 7.4</p> </div> </div>	<div style="text-align: center;"> <p>Series: ESMK DN 5</p> </div>

## Flow Chart



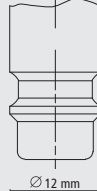
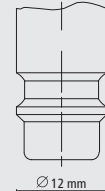
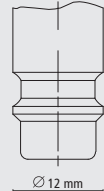
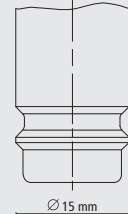
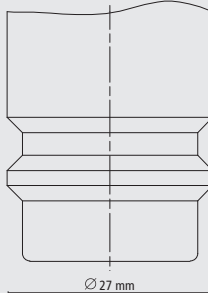





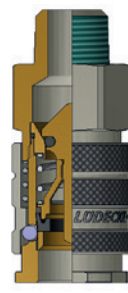
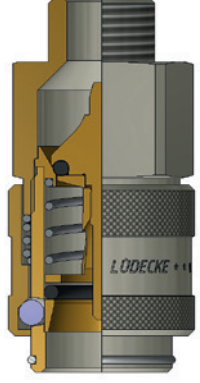







The flow rates of our coupling systems are summarized in the following chart.



# Quick Connect Couplings with European Plug Profiles

## Quality-Line

## OptiFlow-Line

Series	<b>ESMC</b> DN 2.7	<b>ESM</b> DN 5	<b>ES</b> DN 7.2	<b>ESI</b> DN 7.8	<b>ESIS*</b> DN 7.8	<b>ESIG</b> DN 10	<b>ESG</b> DN 19
Plug Profile (original size)	 Ø 5 mm	 Ø 9 mm	 Ø 12 mm	 Ø 12 mm	 Ø 12 mm	 Ø 15 mm	 Ø 27 mm
							
							
<b>Materials:</b>	Body: Brass MS 58 nickel-pl. Sleeve: Brass MS 58 nickel-pl. Valve Body: Brass MS 58 nickel-pl. Valve: Brass MS 58 nickel-pl. Springs, Retaining ring: Stainless steel 1.4310 Balls: Stainless steel 1.3541 Pins: – Seals: Buna N Special seals for other media on request: EPDM, FKM, FFKM Plug: Brass MS 58 nickel-pl.	Body: Brass MS 58 (plain/n-pl.) Sleeve: Brass MS 58 (plain/n-pl.) Valve Body: Brass MS 58 (plain/n-pl.) Valve: Brass MS 58 (plain/n-pl.) Springs, Retaining ring: Stainless steel 1.4310 Balls: Stainless steel 1.3541 Pins: – Seals: Buna N Special seals for other media on request: EPDM, FKM, FFKM Plug: Brass MS 58 (plain/n-pl.) /steel zinc-plated	Body: Brass MS 58 (plain/n-pl.) Sleeve: Brass MS 58 (plain/n-pl.) Valve Body: Brass MS 58 (plain/n-pl.) Valve: Brass MS 58 (plain/n-pl.) Springs, Retaining ring: Stainless steel 1.4310 Balls: – Pins: Stainless steel 1.4305 Seals: Buna N Special seals for other media on request: EPDM, FKM, FFKM Plug: Brass MS 58 (plain/n-pl.) /steel zinc-plated	Body: Brass MS 58 nickel-plated Sleeve: Steel hardened+nickel-pl. Valve Body: Brass MS 58 nickel-plated Valve: Brass MS 58 nickel-plated Springs, Retaining ring: Stainless steel 1.4310 Balls: Stainless steel 1.4034 Pins: – Seals: Buna N Special seals for other media on request: EPDM, FKM, FFKM Plug: Steel hardened+nickel-pl.	Body: Brass MS 58 nickel-pl. Sleeve: Steel hardened+nickel-pl. Valve Body: Brass MS 58 nickel-pl. Valve: Brass MS 58 nickel-pl. Springs, Retaining ring: Stainless steel 1.4310 Balls: Stainless steel 1.4034 Pins: – Seals: Buna N Special seals for other media on request: EPDM, FKM, FFKM Plug: Steel hardened+nickel-pl.	Body: Brass MS 58 nickel-pl. Sleeve: Steel hardened+nickel-pl. Valve Body: Brass MS 58 nickel-pl. Valve: Brass MS 58 plain Springs, Retaining ring: Stainless steel 1.4310 Balls: Stainless steel 1.4034 Pins: – Seals: Buna N Special seals for other media on request: EPDM, FKM Plug: Steel hardened+nickel-pl./ Brass MS 58 nickel-plated	Body: Brass MS 58 plain Sleeve: Brass MS 58 plain Valve Body: Brass MS 58 plain Valve: Brass MS 58 plain Springs, Retaining ring: Stainless steel 1.4310 Balls: Stainless steel 1.4034 Pins: – Seals: Buna N Special seals for other media on request: EPDM, FKM, FFKM Plug: Brass MS 58 plain
<b>Max. Working Pressure:</b>	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 12 bar	PN 35 bar	PN 35 bar
<b>Temperature:</b>	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C
<b>Thread types:</b>	ISO 228/DIN 13	ISO 228/DIN 13	ISO 228/DIN 2999/ DIN 13	ISO 228/DIN 2999	ISO 228/DIN 2999	ISO 228/DIN 2999	ISO 228
<b>Flow rate:</b> at 6 bar (ü) and 0.5 bar pressure drop single shut-off	165 l/min	510 l/min	1000 l/min	2000 l/min	1700 l/min	2150 l/min	8000 l/min
<b>Type of valve:</b>	single/double/straight through one-hand	single/double/straight through/dripless one-hand	single/double/straight through one-hand	single/double/straight through one-hand	single one-hand	single/double/straight through one-hand	single/double one-hand
<b>Operation:</b>							

**NEW!**

**ESIS\***  
DN 7.8

**ESPN**  
DN 7.4

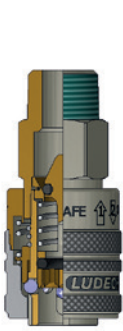
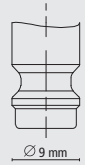
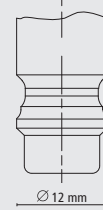
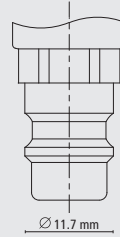
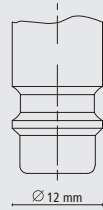
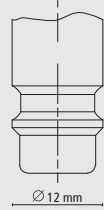
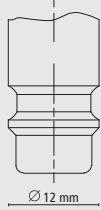
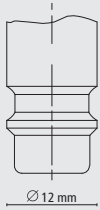
**ES**  
DN 7.2

**ESI\***  
DN 7.8

**ESIK\***  
DN 7.8

**ESI1A/2A\***  
DN 7.4

**ESMK**  
DN 5



Brass MS 58 nickel-pl.  
Steel hardened+nickel-pl.  
Brass MS 58 nickel-pl.  
Brass MS 58 nickel-pl.  
Stainless steel 1.4310  
Stainless steel 1.4034

Steel zinc-plated  
Plastic compound material  
Steel zinc-plated  
Steel zinc-plated  
Stainless steel  
Stainless steel

Brass MS 58 plain  
Brass MS 58 plain  
Brass MS 58 plain  
Brass MS 58 plain  
Stainless steel 1.4310  
Stainless steel 1.4034

Brass MS 58 nickel-pl.  
Steel hardened+nickel-pl.  
Brass MS 58 nickel-pl.  
Brass MS 58 nickel-pl.  
Stainless steel 1.4310  
Stainless steel 1.4034

Brass MS 58 nickel-pl.  
Steel hardened+nickel-pl.  
Brass MS 58 nickel-pl.  
Brass MS 58 nickel-pl.  
Stainless steel 1.4310  
Stainless steel 1.4034

Brass MS 58 nickel-pl.  
Brass MS 58 nickel-pl.  
Brass MS 58 nickel-pl.  
Brass MS 58 nickel-pl.  
Stainless steel 1.4310  
Stainless steel 1.4034

Brass MS 58 plain  
Aluminium anodised  
Brass MS 58 plain  
Brass MS 58 plain  
Stainless steel 1.4310  
Stainless steel 1.3541

Buna N

Buna N

Stainless steel 1.4305  
Buna N

Buna N

Buna N

Buna N

Buna N

EPDM, FKM, FFKM

–

–

EPDM, FKM, FFKM

EPDM, FKM, FFKM

EPDM, FKM, FFKM

EPDM, FKM, FFKM

Steel hardened+nickel-pl.

Steel hardened+nickel-pl.

Brass MS 58 (plain/n-pl.)  
/Steel zinc-plated

Steel hardened+nickel-pl.

Steel hardened+nickel-pl.

Brass MS 58 nickel-pl.

Brass MS 58 with  
anodized aluminium ring

PN 12 bar

PN 12 bar

PN 35 bar

PN 35 bar

PN 35 bar

PN 35 bar

PN 35 bar

-20°C – +100°C

-15°C – +70°C

-20°C – +100°C

-20°C – +100°C

-20°C – +100°C

-20°C – +100°C

-20°C – +100°C

ISO 228/DIN 2999

ISO 228

ISO 228

ISO 228/DIN 2999

ISO 228/DIN 2999

ISO 228/DIN 2999

ISO 228

1700 l/min

1650 l/min

1000 l/min

2000 l/min

2000 l/min

1800 l/min

430 l/min

single

single

single

single

single

single

single

one-hand

one-hand

one-hand

one-hand

one-hand

two-hands

one-hand

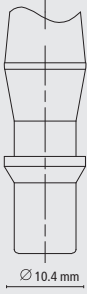
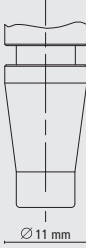
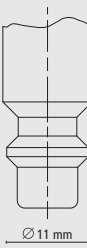
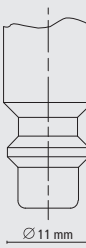
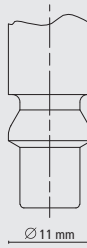

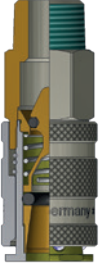








Self-venting

Sleeve lock mechanism

Visual indication

\* SafeConnect-Line + OptiFlow-Line  
nickel-pl.=nickel-plated

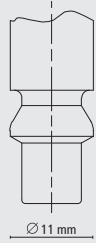
# Quick Connect Couplings with International Plug

Series	<b>NEW!</b> ESB DN 5.5	ESBI DN 5	ESA DN 5.5	ESAI DN 5.5	ESO DN 5.5
Plug Profile (original size)	 Ø 10.4 mm	 Ø 11 mm	 Ø 11 mm	 Ø 11 mm	 Ø 11 mm
					
					
<b>Materials:</b>	Body: Brass MS 58 nickel-pl. Sleeve: Steel hardened + nickel-pl Valve body: Brass MS 58 nickel-pl. Valve: Brass MS 58 plain Springs, Retaining ring: Stainless steel 1.4310 Balls: Stainless steel 1.4034 Pins: - Seals: Buna N Special seals for other media on request: -	Body: Brass MS 58 nickel-pl. Sleeve: Steel hardened + zinc-pl. Valve body: Brass MS 58 nickel-pl. Valve: Brass MS 58 nickel-pl. Springs, Retaining ring: Stainless steel 1.4310 Balls: Stainless steel 1.4034 Pins: - Seals: Buna N Special seals for other media on request: EPDM/ FKM/ FFKM	Body: Brass MS 58 plain Sleeve: Brass MS 58 plain Valve body: Brass MS 58 plain Valve: Brass MS 58 plain Springs, Retaining ring: Stainless steel 1.4310 Balls: - Pins: Stainless steel 1.4305 Seals: Buna N Special seals for other media on request: EPDM/ FKM/ FFKM	Body: Brass MS 58 nickel-pl. Sleeve: Steel hardened + nickel-pl. Valve body: Brass MS 58 nickel-pl. Valve: Brass MS 58 nickel-pl. Springs, Retaining ring: Stainless steel 1.4310 Balls: Stainless steel 1.4034 Pins: - Seals: Buna N Special seals for other media on request: EPDM/ FKM/ FFKM	Body: Brass MS 58 plain Sleeve: Brass MS 58 plain Valve body: Brass MS 58 plain Valve: Brass MS 58 plain Springs, Retaining ring: Stainless steel 1.4310 Balls: - Pins: Stainless steel 1.4305 Seals: Buna N Special seals for other media on request: EPDM/ FKM/ FFKM
Plug:	Steel hardened +nickel-pl.	Steel hardened + nickel-pl.	Brass MS 58 plain/Steel	Steel hardened + nickel-pl.	Brass MS 58 plain
<b>Max. Working Pressure:</b>	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar
<b>Temperature:</b>	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C
<b>Max. Flow Capacity:</b> at 6 bar [ü], 0.5 bar pressure drop single shut-off	800 l/min	950 l/min	775 l/min	1100 l/min	775 l/min
<b>Type of valve:</b>	single	single	single	single	single
<b>Operation:</b>	one-hand	one-hand	one-hand	one-hand	one-hand
<b>Norm:</b>	-	-	ISO 6150 B US-MIL-Spec. C4109 Industr. Interchange 1/4"	ISO 6150 B US-MIL-Spec. C4109 Industr. Interchange 1/4"	-
<b>Compatibility:</b>	Parker Rectus Series 19 PCL60 (UK)	Parker Rectus Series 17 Schrader NW5	Parker Rectus Series 23/24, Hansen 3000, Cejn 310, Milton, Gromelle 600 USA, Spain, France	Parker Rectus Series 23/24, Hansen 3000, Cejn 310, Milton, Gromelle 600 USA, Spain, France	Parker Rectus Series 14/22, ARO 210, Cejn 300, Orion 44510, Parker 50 Benelux, Switzerland
<b>Area:</b>	Great Britain	Great Britain, Europe	USA, Spain, France	USA, Spain, France	Benelux, Switzerland

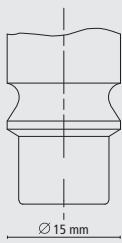


# Profiles

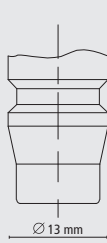
**ESOI**  
DN 5.5



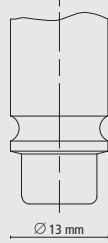
**ESOIG**  
DN 9



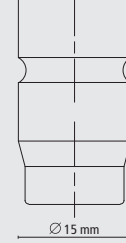
**ESK**  
DN 7.5



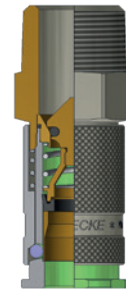
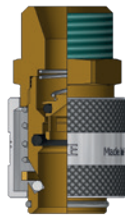
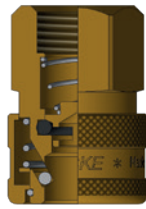
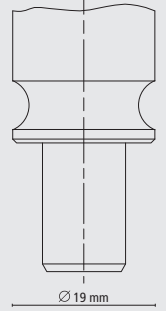
**ESAC**  
DN 8



**ESACG**  
DN 10



**F1K**  
DN 8



Brass MS 58 nickel-pl.  
Steel hardened + nickel-pl.  
Brass MS 58 nickel-pl.  
Brass MS 58 nickel-pl.  
Stainless steel 1.4310  
Stainless steel 1.4034

Buna N

EPDM/ FKM/ FFKM

Steel hardened + nickel-pl.

PN 35 bar

-20°C – +100°C

1140 l/min

single  
one-hand

Parker|Rectus Series 14/22,  
ARO 210, Cejn 300,  
Orion 44510, Parker 50  
Benelux, Switzerland

Brass MS 58 plain  
Brass MS 58 plain  
Brass MS 58 plain  
Brass MS 58 plain  
Stainless steel 1.4310

Stainless steel 1.4305  
Buna N

EPDM/ FKM/ FFKM

Steel hardened + nickel-pl.

PN 35 bar

-20°C – +100°C

1400 l/min

single  
one-hand

Rectus Series 40 KA,  
ARO 310, Orion 44520,  
Orion 44530  
Benelux, Switzerland

Brass MS 58 plain  
Brass MS 58 nickel-pl.  
Brass MS 58 plain  
Brass MS 58 plain  
Stainless steel 1.4310

Stainless steel 1.4305  
Buna N

EPDM/ FKM/ FFKM

Steel hardened + nickel-pl.

PN 35 bar

-20°C – +100°C

1375 l/min

single  
one-hand

Parker|Rectus Series 13/03,  
Nitto Kohki 200  
Cejn 314/315  
especially Asia

Brass MS 58 nickel-pl.  
Steel hardened + nickel-pl.  
Steel hardened + zinc-pl.  
Brass MS 58 nickel-pl.  
Stainless steel 1.4310  
Stainless steel 1.4034

Buna N

EPDM/ FKM/ FFKM

Steel hardened + zinc-pl.

PN 35 bar

-20°C – +100°C

1500 l/min

single  
one-hand

Parker|Rectus Series 33  
Atlas Copco QIC 10

worldwide

Brass MS 58 nickel-pl.  
Steel hardened + nickel-pl.  
Steel zinc-plated  
Brass MS 58 plain  
Stainless steel 1.4310  
Stainless steel 1.4034

Buna N

EPDM/ FKM

Steel hardened + nickel-pl.

PN 35 bar

-20°C – +100°C

2600 l/min

single  
one-hand

Parker|Rectus Series 34 KA,  
Atlas Copco QIC 15

worldwide

Steel zinc-pl.+yellow pass.  
Steel zinc-pl.+yellow pass.  
Steel zinc-pl.+yellow pass.  
Brass MS 58 plain  
Stainless steel 1.4310  
Stainless steel 1.4034

Buna N

EPDM/ FKM/ FFKM

Steel nickel-pl.+yellow  
passivated

PN 35 bar

-20°C – +100°C

1800 l/min

single  
two-hand

-

Germany

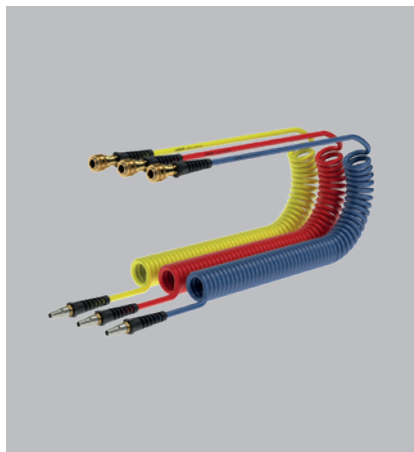
pl.=plated / pass.=passivated



## Pneumatic Accessories

Additional to our coupling systems we offer a wide range of pneumatic accessories.

### MODY Spiral Hoses made of Polyurethane



MODY spiral hoses have excellent material characteristics for a flexible supply of compressed air. Even after worst deformation the MODY spiral hose returns into its original shape. Despite their wide range, the spiral hoses take a significant part to the safety during work. We recommend the assembly on the ceiling and the use of high quality, retractable and rotatable fittings with bend and scratch protection spring.

- MODY Spiral Hoses
- Compressed Air Blow-off Sets
- MODYFLEX PUR Spiral Hoses **NEW!**
- A:S:S Antistatic Spiral Hoses
- Flamex-Spark Protecting and Hot Water Spiral Hoses
- MODY Duo Spiral Hoses
- MODY CleanConnect Spiral Hoses **NEW!**
- Accessories for MODY Spiral Hoses

### Blow-off Valves and Blow-off Guns



For thorough and fast cleaning or drying of work pieces and working places, compressed air blow-off guns and valves are used. Various types of nozzles offer the right dosage, the required air volume as well as the necessary noise reduction. For flexible use, a combination with MODY spiral hoses is recommended.

- Compressed Air Blow-off Valves made of Aluminium / Brass / Stainless Steel **NEW!**
- Compressed Air Blow-off Guns made of Aluminium / Plastic / Die Cast Zinc **NEW!**
- Nozzles and Spare Parts for Compressed Air Blow-off Valves and Guns

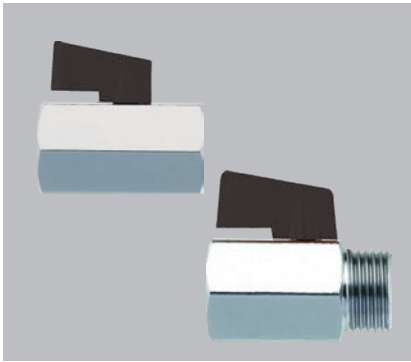
### Pneumatic Fittings



We offer an extensive range of connecting fittings made of brass for various fields and applications.

- Pneumatic 1/3-Screwings made of Brass Plain
- Pneumatic 2/3-Screwings made of Brass Plain
- Pneumatic Fittings made of Brass Plain or Brass Nickel-Plated

# Hexagon Ball Valves



Ball valves serve as shut-off fittings in pipe-systems for compressed air and other media. They are especially suitable for the application in the industry. They seal through PTFE-shells. Due to the compact control lever miniature ball-valves enable the usage in reduced spaces.

# Hose Clamps, Hose Clips, Ferrules



For hose assembly of fittings different assembly methods from strong clamps to light clips or ferrules can be used subject application, media, pressure or hose material. Selection criterias are: safety, removable or non-removable, quickness, necessary devices (i.e. crimping machine), cleanliness or injury risk free.

- Double-Ear Hose Clips
- High Performance Hose Clips made of Steel or Stainless Steel
- Heavy Duty Clamps **NEW!**
- Ferrules for Low Pressure Hose Lines
- Hand-operated Assembly Machine

# Testing Panel

For training sessions and comprehensive tests of our quick connect couplings we developed our Testing Panels. These sample bars represent the quick connect coupling series from DN 2.7 up to DN 10 of our **Quality-**, **OptiFlow-** and **SafeConnect-Line**, as well as the MODY spiral hoses under pressure.

## Your advantages:

- Extensive information about each product and the mode of operation
- Testing of high-quality products under real practice conditions (the coupling procedure may be executed even with a media flowing through the lines)
- Multilingual: German and English (on request also other languages)

We offer the testing panels at cost price. If you are interested please contact our expert sales team.

Application Possibilities (connecting)

Product Information
Functional Description

**LUDECKE**  
Since 1930. The perfect connection.

### TESTING PANEL Pneumatic

Quick Connect Couplings with Standard Plug Profiles

To supply compressed air in industry and craftsmanship, pneumatic, measurement, control and regulation techniques

Series	ESMC	ESM	ES	ESI	ESIS	ESIG
Size	DN 2.7	DN 5	DN 7.2	DN 7.8	DN 7.8	DN 10

**Material:** MS 58 nickel plated, MS 58 nickel plated, MS 58 nickel plated, MS 58 nickel plated, MS 58 nickel plated, MS 58 nickel plated

**Connections:** Vision Membranes, Safety

**Spring Retaining Ring:** Ball bearing, Plug

**Special note:** other media on request

**Max. Working Pressure:** 10 bar

**Temperature:** Min. -20°C, Max. 120°C

**Material:** MS 58 nickel plated, MS 58 nickel plated, MS 58 nickel plated, MS 58 nickel plated, MS 58 nickel plated, MS 58 nickel plated

**Flare Type:** No, Yes, Single Shut-off, Double Shut-off

**Plug profiles original size:** Quality-Line, OptiFlow-Line, SafeConnect-Line

Pressure of the panel is reduced to 3 bar

**LUDECKE** MADE IN GERMANY

Compressed Air Connections

**LÜDECKE**

**LÜDECKE**

Since 1930. The perfect connection.

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