

# LÜDECKE

Since 1930. The perfect connection.




## Dripless Quick Connect Couplings

Edition 1.0



**Liqui**<sup>®</sup>  
**Safe**  
by **LÜDECKE**



**LÜDECKE** MADE IN GERMANY 

# Dripless Quick Connect Couplings



The innovative LiquiSafe by **LUDECKE**® quick connect couplings allow for a dripless coupling process. This ensures maximum operator safety and reliable protection against contamination when uncoupling.

The ergonomic sleeve shape provides very good grip and easy handling even if installations are difficult.

The coupling system is perfectly suited for liquid media in plant construction, temperature regulation technology, control cabinet cooling and many more.

#### Advantages:

- When decoupling, reduces the risk of media leakage to a minimum
- High efficiency due to maximum flow rate at low pressure drop
- Robust, safe, absolutely leakage-proof and durable
- Simple and intuitive coupling process
- Ergonomic design
- Smooth surfaces to avoid dirt from collecting
- Different sizes, materials and connection types

**LiquiSafe**<sup>®</sup>  
by **LUDECKE**

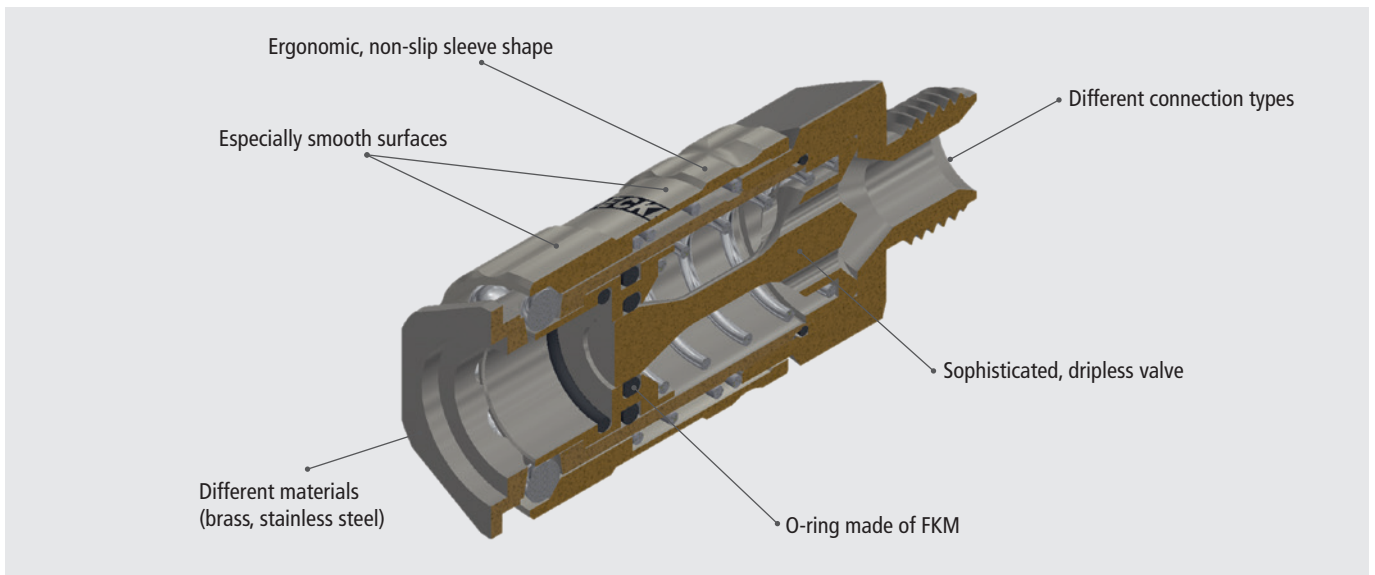
## A Sophisticated System

The products of the LiquiSafe by **LUDECKE**® series have a shut-off valve without dead space volume. As a result, there is no air inclusion during the coupling process. Only a minimal, barely recognisable film of the media used sticks to the valve bodies.



# First-Class Materials for Absolute Reliability

Every single component is made of selected and particularly high-quality materials. This ensures the best functionality possible and a long lifetime.



## Seals

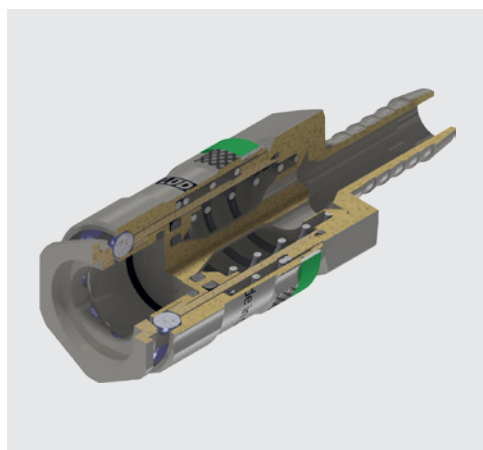
FKM:

**LUDECKE** offers high-resistant seals made of FKM for dripless quick connect couplings.

**Advantages:**

- Heat resistant up to 200°C (oil: 200°C, water: 150°C, air: 200°C)
- Highly resistant against all common media
- Significantly better gliding properties and minimum wear (low adhesive tendency)
- High elasticity (no crack formation) according to DIN 53504
- High abrasion resistance of the O-ring
- Significantly increased life times of couplings

## High-Performance FKM



For high-temperature applications we recommend to use a high-performance FKM sealing ring.

- Extreme heat resistance up to 220°C continuous temperature (oil: 220°C, water: 180°C, air: 220°C)
- High resistance against synthetic oils
- Very good chemical resistance and high resistance against aliphatic hydrocarbons (fuels)
- Steam/ hot water optimised

For easy identification, the coupling sleeve is marked with a green anodized aluminium ring.

Other special seals (e.g. EPDM, FFKM) on request.

## Functional Principle



**Coupling:** To connect, push the plug as far as possible into the coupling in an axial centre. The locking sleeve engages in the direction of the plug without any support. The valves in the coupling and plug open automatically and release the volume flow.

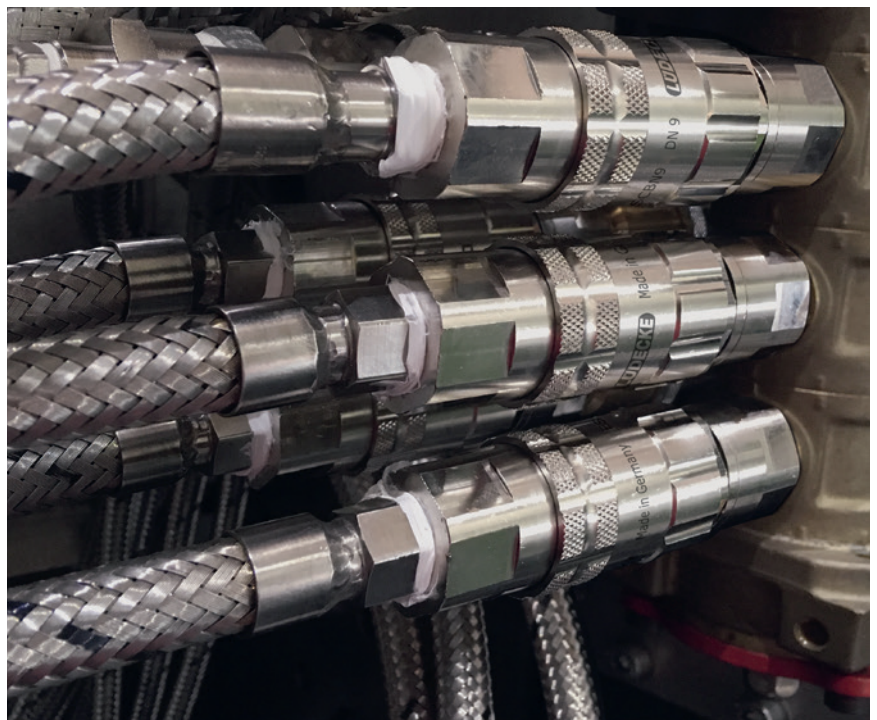


**Uncoupling:** To disconnect, firmly grip the plug with one hand, push back the locking sleeve towards the thread connection and disconnect. The plug can be pulled from the coupling.

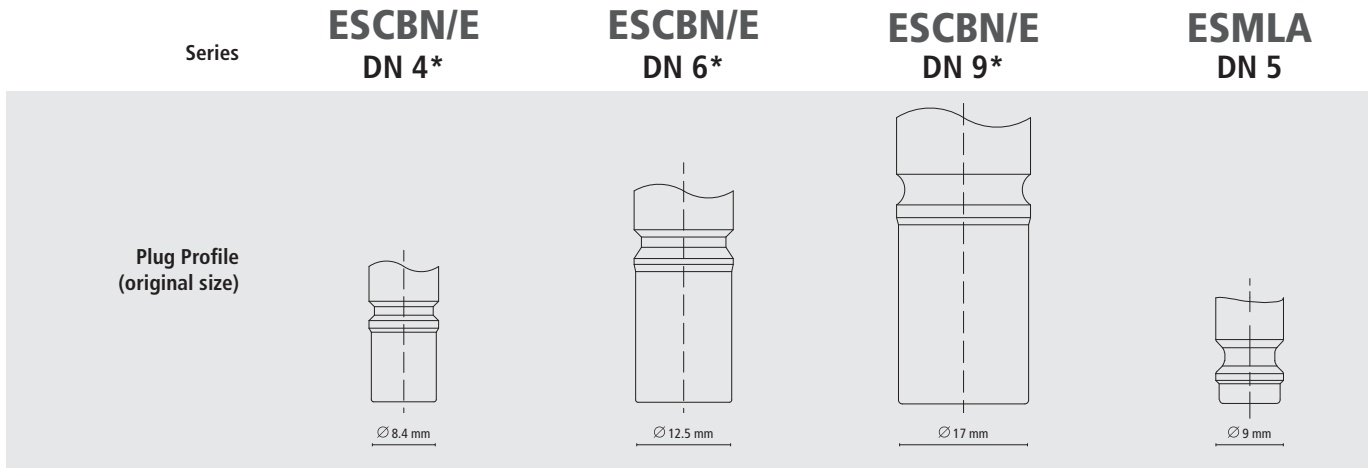
The shut-off valve of the coupling and plug closes automatically when uncoupling. This means that no media can leak from either side.

## An All-rounder in Action

Clean - tidy - safe: these characteristics describe the LiquiSafe by **LUDECKE**® series to 100 % and guarantee multifunctional applications.



# Overview of Dripless Quick Connect Couplings



Materials	ESCBN/E DN 4*	ESCBN/E DN 6*	ESCBN/E DN 9*	ESMLA DN 5
Body:	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 plain/ MS 58 nickel-plated
Sleeve:	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 plain/ MS 58 nickel-plated
Valve body:	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 plain/ MS 58 nickel-plated
Valve:	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 plain/ Stainless Steel 1.4310
Springs, Retaining ring:	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310
Balls:	Stainless Steel 1.4034	Stainless Steel 1.4034	Stainless Steel 1.4034	Stainless Steel 1.3541
Seals:	FKM	FKM	FKM	NBR
Special seals for other media on request:	High-Performance FKM, EPDM, FFKM	High-Performance FKM, EPDM, FFKM	High-Performance FKM, EPDM, FFKM	EPDM, FKM, FFKM
Plug:	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 nickel-plated/ Stainless Steel 1.4305	MS 58 plain/ MS 58 nickel-plated/ galvanized steel
Max. Working Pressure:	PN 35 bar	PN 35 bar	PN 35 bar	PN 8 bar
Temperature:	-20°C – +200°C**	-20°C – +200°C**	-20°C – +200°C**	-20°C – +100°C
Thread types:	ISO 228/ DIN 13	ISO 228/ DIN 13	ISO 228/ DIN 13	ISO 228
Flow Rate: (at 6 bar [ü] and 0.5 bar pressure drop) single shut-off	6.5 l/min	17.7 l/min	47 l/min	on request
Type of Valve:	dripless	dripless	dripless	dripless
Operation:	One-Hand	One-Hand	One-Hand	One-Hand

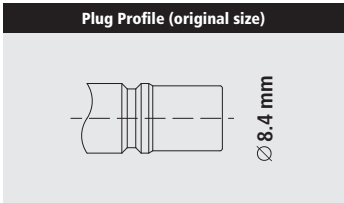
\*This series is available in two versions. Accordingly, the materials of the individual components also differ.

\*\*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

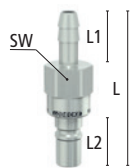
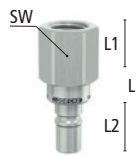
# Quick Connect Couplings

## Series ESCBN dripless - made of Brass MS 58 nickel-plated

**DN 4**



Also in Stainless Steel Series ESCBE Page 7



- One-hand quick connect couplings made of brass MS 58 nickel-plated
- Dripless coupling process (i.e. minimal fluid film, but no drops when disconnecting)
- Robust, safe and reliable
- High efficiency due to maximum flow rate at low pressure drop
- Numerous applications, especially for liquid media in plant construction, temperature regulation technology, control cabinet cooling, etc.

### Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 nickel-plated
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- Seals: FKM (other materials on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +200°C*	4	ISO 228 / DIN 13	6.5 l/min	One-hand	Dripless	Liquid media	Europe	Coupl. 1/ Plug 5

### Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 m	41.5	17	19	7	49	ESCBN4 18 AAB
G 1/4 m	43.5	17	19	9	58	ESCBN4 14 AAB
M 14x1.5 m	43.5	17	19	9	58	ESCBN4 1415 AAB

### Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 f	42.5	14	19	9	52	ESCBN4 18 IAB
G 1/4 f	42.5	15	19	9	50	ESCBN4 14 IAB

### Couplings with hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 6	51.5	19	17	50	ESCBN4 6 TLAB

For hose clips type ZOS, type HS or crimping ferrules type LPH

### Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	40.5	14	7	17.5	22	ESCBN4 18 NAAB
G 1/4 m	41.5	17	9	17.5	30	ESCBN4 14 NAAB
M 14x1.5 m	41	17	9	17.5	30	ESCBN4 1415NAAB

### Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	42	14	9	17.5	26	ESCBN4 18 NIAB
G 1/4 f	42	17	9	17.5	35	ESCBN4 14 NIAB

### Plugs with hose stem

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 6	50.5	17	17	17.5	22	ESCBN4 6 SLAB

For hose clips type ZOS, type HS or crimping ferrules type LPH

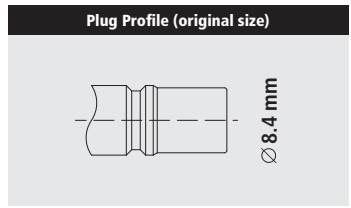
\*subject to media (oil: 200°C, water: 150°C, air: 200°C)

# Quick Connect Couplings

## dripless - made of Stainless Steel 1.4305 Series ESCBE

- One-hand quick connect couplings made of stainless steel 1.4305
- Dripless coupling process (i.e. minimal fluid film, but no drops when disconnecting)
- Robust, safe and reliable
- High efficiency due to maximum flow rate at low pressure drop
- Numerous applications, especially for liquid media in plant construction, temperature regulation technology, control cabinet cooling, etc.

**DN 4**



### Materials

- Body, sleeve, valve body, valve, plug: Stainless Steel 1.4305
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- Seals: FKM (other materials on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +200°C*	4	ISO 228 / DIN 13	6.5 l/min	One-hand	Dripless	Liquid media	Europe	Coupl. 1/ Plug 5

### Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 m	41.5	17	19	7	49	ESCBE4 18 AAB
G 1/4 m	43.5	17	19	9	58	ESCBE4 14 AAB
M 14x1.5 m	43.5	17	19	9	58	ESCBE4 1415 AAB

### Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 f	42.5	14	19	9	52	ESCBE4 18 IAB
G 1/4 f	42.5	15	19	9	50	ESCBE4 14 IAB

### Couplings with hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 6	51.5	19	17	50	ESCBE4 6 TLAB

For hose clips type HSE

### Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	40.5	14	7	17.5	22	ESCBE4 18 NAAB
G 1/4 m	41.5	17	9	17.5	30	ESCBE4 14 NAAB
M 14x1.5 m	41	17	9	17.5	30	ESCBE4 1415NAAB

### Plugs with female thread

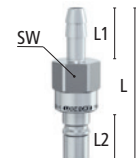
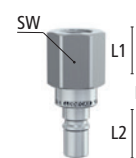
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	42	14	9	17.5	26	ESCBE4 18 NIAB
G 1/4 f	42	17	9	17.5	35	ESCBE4 14 NIAB

### Plugs with hose stem

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 6	50.5	17	17	17.5	22	ESCBE4 6 SLAB

For hose clips type HSE

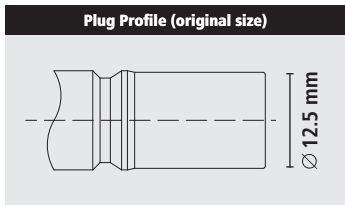
\*subject to media (oil: 200°C, water: 150°C, air: 200°C)



# Quick Connect Couplings

## Series ESCBN dripless - made of Brass MS 58 nickel-plated

**DN 6**



Also in Stainless Steel  
Series ESCBE  
Page 10

- One-hand quick connect couplings made of brass MS 58 nickel-plated
- Dripless coupling process (i.e. minimal fluid film, but no drops when disconnecting)
- Robust, safe and reliable
- High efficiency due to maximum flow rate at low pressure drop
- Numerous applications, especially for liquid media in plant construction, temperature regulation technology, control cabinet cooling, etc.

### Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 nickel-plated
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- Seals: FKM (other materials on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +200°C*	6	ISO 228 / DIN 13	17.7 l/min	One-hand	Dripless	Liquid media	Europe	Coupl. 1/ Plug 5

### Couplings with straight male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	59	22	25	11	114	ESCBN6 14 AAB
G 3/8 m	59	22	25	11	118	ESCBN6 38 AAB
G 1/2 m	59	22	25	12	120	ESCBN6 12 AAB
M 14x1.5 m	59	22	25	11	115	ESCBN6 1415 AAB
M 16x1.5 m	59	22	25	11	117	ESCBN6 1615 AAB

### Couplings with 90° male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	65.5	15	25	11	173	ESCBN6 14A-90AB
G 3/8 m	65.5	17	25	11	179	ESCBN6 38A-90AB
M 14x1.5 m	65.5	15	25	11	174	ESCBN61415A90AB
M 16x1.5 m	65.5	17	25	11	179	ESCBN61615A90AB

### Couplings with straight female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	53.5	22	25	9	120	ESCBN6 14 IAB
G 3/8 f	53.5	22	25	9	115	ESCBN6 38 IAB
G 1/2 f	58.5	24	25	12	124	ESCBN6 12 IAB

### Couplings with straight hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 9	70.5	25	22.5	114	ESCBN6 9 TLAB

For hose clips type ZOS, type HS or crimping ferrules type LPH

### Couplings with 90° hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 9	65.5	25	22.5	171	ESCBN6 9TL-90AB

For hose clips type ZOS, type HS or crimping ferrules type LPH

\*subject to media (oil: 200°C, water: 150°C, air: 200°C)



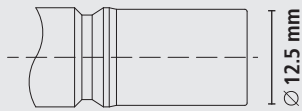


# Quick Connect Couplings

dripless - made of Brass MS 58 nickel-plated **Series ESCBN**

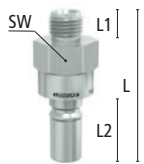
**DN 6**

Plug Profile (original size)



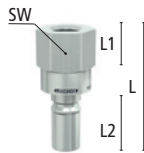
**Plugs with male thread**

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	59.5	22	11	27.5	78	ESCBN6 14 NAAB
G 3/8 m	59.5	22	11	27.5	83	ESCBN6 38 NAAB
G 1/2 m	59.5	22	12	27.5	84	ESCBN6 12 NAAB
M 14x1.5 m	59.5	22	11	27.5	79	ESCBN6 1415NAAB
M 16x1.5 m	59.5	22	11	27.5	81	ESCBN6 1615NAAB



**Plugs with female thread**

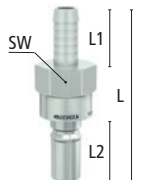
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	54	22	9	27,5	85	ESCBN6 14 NIAB
G 3/8 f	54	22	9	27,5	79	ESCBN6 38 NIAB
G 1/2 f	59	24	12	27,5	88	ESCBN6 12 NIAB



**Plugs with hose stem**

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 9	71	22	22.5	27.5	78	ESCBN6 9 SLAB

For hose clips type ZOS, type HS or crimping ferrules type LPH

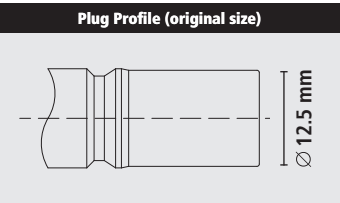


\*subject to media (oil: 200°C, water: 150°C, air: 200°C)

# Quick Connect Couplings

## Series ESCBE dripless - made of Stainless Steel 1.4305

**DN 6**



- One-hand quick connect couplings made of stainless steel 1.4305
- Dripless coupling process (i.e. minimal fluid film, but no drops when disconnecting)
- Robust, safe and reliable
- High efficiency due to maximum flow rate at low pressure drop
- Numerous applications, especially for liquid media in plant construction, temperature regulation technology, control cabinet cooling, etc.

### Materials

- Body, sleeve, valve body, valve, plug: Stainless Steel 1.4305
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- Seals: FKM (other materials on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	⊗
PN 35 bar	-20°C – +200°C*	6	ISO 228 / DIN 13	17.7 l/min	One-hand	Dripless	Liquid media	Europe	Coupl. 1/ Plug 5

### Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	59	22	25	11	114	ESCBE6 14 AAB
G 3/8 m	59	22	25	11	118	ESCBE6 38 AAB
G 1/2 m	59	22	25	12	120	ESCBE6 12 AAB
M 14x1.5 m	59	22	25	11	115	ESCBE6 1415 AAB
M 16x1.5 m	59	22	25	11	117	ESCBE6 1615 AAB



### Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	53.5	22	25	9	120	ESCBE6 14 IAB
G 3/8 f	53.5	22	25	9	115	ESCBE6 38 IAB
G 1/2 f	58.5	24	25	12	124	ESCBE6 12 IAB



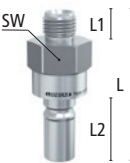
### Couplings with hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 9	70.5	25	22.5	114	ESCBE6 9 TLAB

For hose clips type HSE

### Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	59.5	22	11	27.5	78	ESCBE6 14 NAAB
G 3/8 m	59.5	22	11	27.5	83	ESCBE6 38 NAAB
G 1/2 m	59.5	22	12	27.5	84	ESCBE6 12 NAAB
M 14x1.5 m	59.5	22	11	27.5	79	ESCBE6 1415NAAB
M 16x1.5 m	59.5	22	11	27.5	81	ESCBE6 1615NAAB



### Plugs with female thread

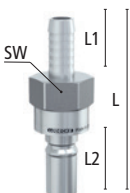
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	54	22	9	27.5	85	ESCBE6 14 NIAB
G 3/8 f	54	22	9	27.5	79	ESCBE6 38 NIAB
G 1/2 f	59	24	12	27.5	88	ESCBE6 12 NIAB



### Plugs with hose stem

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 9	71	22	22.5	27.5	78	ESCBE6 9 SLAB

For hose clips type HSE



\*subject to media (oil: 200°C, water: 150°C, air: 200°C)

# Quick Connect Couplings

## dripless - made of Brass MS 58 nickel-plated **Series ESCBN**

- One-hand quick connect couplings made of brass MS 58 nickel-plated
- Dripless coupling process (i.e. minimal fluid film, but no drops when disconnecting)
- Robust, safe and reliable
- High efficiency due to maximum flow rate at low pressure drop
- Numerous applications, especially for liquid media in plant construction, temperature regulation technology, control cabinet cooling, etc.

### Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 nickel-plated
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- Seals: FKM (other materials on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +200°C*	9	ISO 228 / DIN 13	47 l/min	One-hand	Dripless	Liquid media	Europe	Coupl. 1/ Plug 5

### Couplings with straight male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 3/8 m	75	27	33	11	235	ESCBN9 38 AAB
G 1/2 m	76	27	33	12	238	ESCBN9 12 AAB
G 3/4 m	76	27	33	12	256	ESCBN9 34 AAB
M 16x1.5 m	75	27	33	11	236	ESCBN9 1615 AAB
M 18x1.5 m	75	27	33	11	237	ESCBN9 1815 AAB

### Couplings with 90° male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 3/8 m	82	17	33	11	320	ESCBN9 38A-90AB
G 1/2 m	82	19	33	11	326	ESCBN9 12A-90AB
M 16x1.5 m	82	17	33	11	319	ESCBN91615A90AB
M 18x1.5 m	82	19	33	11	320	ESCBN91815A90AB

### Couplings with straight female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 3/8 f	69	27	33	9	238	ESCBN9 38 IAB
G 1/2 f	69	27	33	12	230	ESCBN9 12 IAB
G 3/4 f	76	30	33	16	252	ESCBN9 34 IAB

### Couplings with straight hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 13	87	33	25	219	ESCBN9 13 TLAB

For hose clips type ZOS, type HS or crimping ferrules type LPH

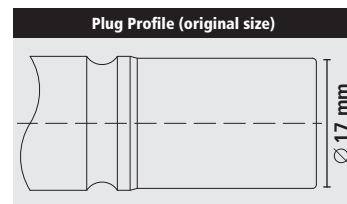
### Couplings with 90° hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 13	82	33	25	325	ESCBN913TL-90AB

For hose clips type ZOS, type HS or crimping ferrules type LPH

\*subject to media (oil: 200°C, water: 150°C, air: 200°C)

**DN 9**



Also in Stainless Steel  
Series ESCBE  
Page 13

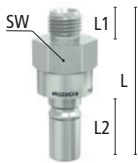
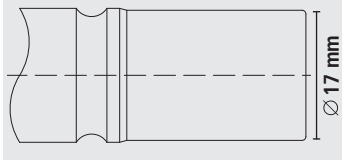


# Quick Connect Couplings

## Series ESCBN dripless - made of Brass MS 58 nickel-plated

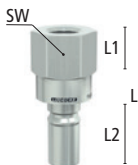
### DN 9

Plug Profile (original size)



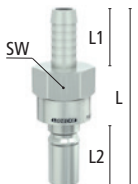
#### Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 m	62	27	11	37.5	143	ESCBN9 38 NAAB
G 1/2 m	63	27	12	37.5	147	ESCBN9 12 NAAB
G 3/4 m	63	27	12	37.5	165	ESCBN9 34 NAAB
M 16x1.5 m	62	27	11	37.5	144	ESCBN9 1615NAAB
M 18x1.5 m	62	27	11	37.5	146	ESCBN9 1815NAAB



#### Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 f	61	27	9	37.5	147	ESCBN9 38 NIAB
G 1/2 f	63	27	12	37.5	138	ESCBN9 12 NIAB
G 3/4 f	67	30	16	37.5	161	ESCBN9 34 NIAB



#### Plugs with hose stem

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 13	77	27	25	37.5	128	ESCBN9 13 SLAB

For hose clips type ZOS, type HS or crimping ferrules type LPH

\*subject to media (oil: 200°C, water: 150°C, air: 200°C)

# Quick Connect Couplings

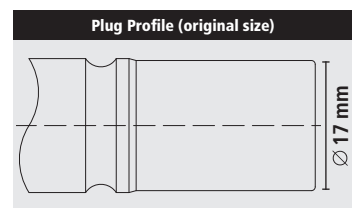
## dripless - made of Stainless Steel 1.4305 Series ESCBE

**DN 9**

- One-hand quick connect couplings made of stainless steel 1.4305
- Dripless coupling process (i.e. minimal fluid film, but no drops when disconnecting)
- Robust, safe and reliable
- High efficiency due to maximum flow rate at low pressure drop
- Numerous applications, especially for liquid media in plant construction, temperature regulation technology, control cabinet cooling, etc.

### Materials

- Body, sleeve, valve body, valve, plug: Stainless Steel 1.4305
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- Seals: FKM (other materials on request)



Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +200°C*	9	ISO 228 / DIN 13	47 l/min	One-hand	Dripless	Liquid media	Europe	Coupl. 1/ Plug 5

### Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 3/8 m	75	27	33	11	235	ESCBE9 38 AAB
G 1/2 m	76	27	33	12	238	ESCBE9 12 AAB
G 3/4 m	76	27	33	12	256	ESCBE9 34 AAB
M 16x1.5 m	75	27	33	11	236	ESCBE9 1615 AAB
M 18x1.5 m	75	27	33	11	237	ESCBE9 1815 AAB



### Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 3/8 f	69	27	33	9	238	ESCBE9 38 IAB
G 1/2 f	69	27	33	12	230	ESCBE9 12 IAB
G 3/4 f	76	30	33	16	252	ESCBE9 34 IAB



### Couplings with hose stem

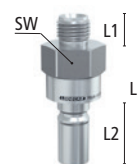
Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 13	87	33	25	219	ESCBE9 13 TLAB

For hose clips type HSE



### Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 m	62	27	11	37.5	143	ESCBE9 38 NAAB
G 1/2 m	63	27	12	37.5	147	ESCBE9 12 NAAB
G 3/4 m	63	27	12	37.5	165	ESCBE9 34 NAAB
M 16x1.5 m	62	27	11	37.5	144	ESCBE9 1615NAAB
M 18x1.5 m	62	27	11	37.5	146	ESCBE9 1815NAAB



### Plugs with female thread

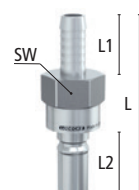
Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 f	61	27	9	37.5	147	ESCBE9 38 NIAB
G 1/2 f	63	27	12	37.5	138	ESCBE9 12 NIAB
G 3/4 f	67	30	16	37.5	161	ESCBE9 34 NIAB



### Plugs with hose stem

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 9	77	27	25	37.5	128	ESCBE9 13 SLAB

For hose clips type HSE



\*subject to media (oil: 200°C, water: 150°C, air: 200°C)

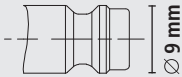


# Mini Quick Connect Couplings

## Series ESMLA dripless

### DN 5

Plug Profile (original size)



- One-hand quick connect couplings with reduced dimensions made of brass MS 58 plain/ nickel-plated
- Robust, safe and reliable
- No loss of liquid (liquid film, no drops) when disconnecting
- **Please connect with shut-off plugs**
- **Numerous applications, especially for liquid media in plant construction, measurement and control technology and in the area of electrical components and circuit boards**

#### Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 plain/ nickel-plated
- Springs, retaining ring: Stainless Steel 1.4310
- Balls: Stainless Steel 1.3541
- Seals: NBR (EPDM and FKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 8 bar	-20°C – +100°C	5	ISO 228	On request	One-hand	Dripless	Liquid media	Europe	10

#### Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No. n.plated	Type No. plain
G 1/8 m	37	14	16	7	27	ESMNLA 18 A	ESMLA 18 A
G 1/4 m	38	17	16	9	36	ESMNLA 14 A	ESMLA 14 A
G 3/8 m	38	19	16	9	43	ESMNLA 38 A	ESMLA 38 A

#### Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No. n.plated	Type No. plain
G 1/8 f	37	14	16	9	32	ESMNLA 18 I	ESMLA 18 I
G 1/4 f	38	17	16	9	38	ESMNLA 14 I	ESMLA 14 I
G 3/8 f	39.5	19	16	10.5	39	ESMNLA 38 I	ESMLA 38 I

#### Couplings with hose stem

Hose connection	L	SW	D	L1	Weight	Type No. n.plated	Type No. plain
Hose i.D. 4	46	14	16	17	27	ESMNLA 4 T	ESMLA 4 T
Hose i.D. 5	46	14	16	17	27	ESMNLA 5 T	ESMLA 5 T
Hose i.D. 6	46	14	16	17	27	ESMNLA 6 T	ESMLA 6 T
Hose i.D. 8	46	14	16	17	29	ESMNLA 8 T	ESMLA 8 T
Hose i.D. 9	46	14	16	17	29	ESMNLA 9 T	ESMLA 9 T

For hose clips type ZOS, type HS or crimping ferrules type LPH

#### Couplings with squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No. n.plated	Type No. plain
Hose 4x6	43	14	16	12	32	ESMNLA 4 TQ	ESMLA 4 TQ
Hose 6x8	43	14	16	14	34	ESMNLA 6 TQ	ESMLA 6 TQ

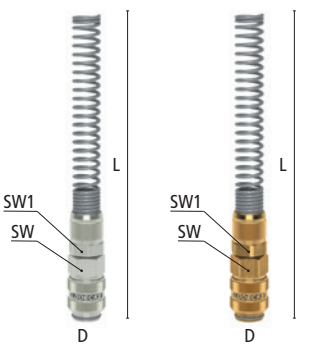
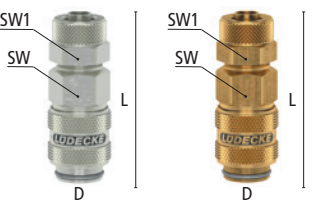
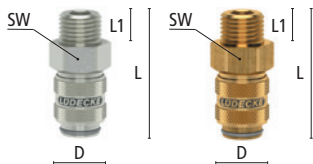
#### Couplings with squeeze nut and bulkhead screwing

Hose connection	L	SW	D	SW1	Weight	Type No. n.plated	Type No. plain
Hose 4x6	122	14	16	12	47	ESMNLA 4 TQF	ESMLA 4 TQF
Hose 6x8	130	14	16	14	56	ESMNLA 6 TQF	ESMLA 6 TQF

#### Couplings with bulkhead screwing

Hose connect.	L	SW	D	L1	L2	SW1	G	Weight	Type No. n.plated	Type No. plain
Hose i.D. 4	60	14	16	17	14	14	M 10x1 m	40	ESMNLA 4 TSV	ESMLA 4 TSV
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	45	ESMNLA 6 TSV	ESMLA 6 TSV
Hose i.D. 9	60	17	16	17	14	19	M 12x1 m	47	ESMNLA 9 TSV	ESMLA 9 TSV

For hose clips type ZOS, type HS or crimping ferrules type LPH

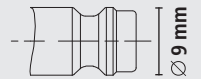


# Mini Quick Connect Couplings

dripless **Series ESMLA**

**DN 5**

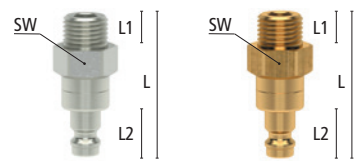
Plug Profile (original size)



## Plugs with male thread

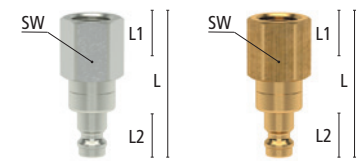
Thread connection	L	SW	L1	L2	Weight	Type No. n.plated	Type No. plain
G 1/8 m	40	13	7	14	26	ESMN 18 NAAB	ESM 18 NAAB
G 1/4 m	42	17	9	14	35	ESMN 14 NAAB	ESM 14 NAAB
G 3/8 m	42	19	9	14	42	ESMN 38 NAAB	ESM 38 NAAB
<b>NEW!</b> M 10x1 m	40	14	7	14	25	ESMN 101 NAAB	ESM 101 NAAB
M 12x1.5 m	44	17	10	14	35	ESMN 121 NAAB	ESM 121 NAAB
M 14x1.5 m	44	17	10	14	36	ESMN 141 NAAB	ESM 141 NAAB

Male thread sealing with PVC sealing ring type HPD



## Plugs with female thread

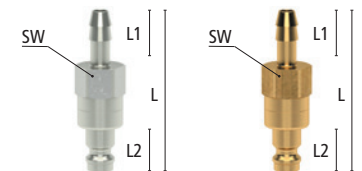
Thread connection	L	SW	L1	L2	Weight	Type No. n.plated	Type No. plain
G 1/8 f	42	13	9	14	28	ESMN 18 NIAB	ESM 18 NIAB
G 1/4 f	42	17	10	14	38	ESMN 14 NIAB	ESM 14 NIAB
G 3/8 f	43.5	19	10.5	14	38	ESMN 38 NIAB	ESM 38 NIAB
<b>NEW!</b> M 10x1 f	42	14	9	14	28	ESMN 101 NIAB	ESM 101 NIAB
M 12x1.5 f	42	17	9	14	37	ESMN 121 NIAB	ESM 121 NIAB
M 14x1.5 f	42	17	9	14	38	ESMN 141 NIAB	ESM 141 NIAB



## Plugs with hose stem

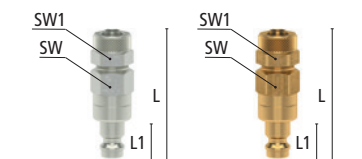
Hose connection	L	SW	L1	L2	Weight	Type No. n.plated	Type No. plain
Hose i.D. 4	50	14	17	14	23	ESMN 4 SAB	ESM 4 SAB
Hose i.D. 6	50	14	17	14	23	ESMN 6 SAB	ESM 6 SAB
Hose i.D. 8	50	14	17	14	25	ESMN 8 SAB	ESM 8 SAB
Hose i.D. 9	50	14	17	14	25	ESMN 9 SAB	ESM 9 SAB

For hose clips type ZOS, type HS or crimping ferrules type LPH



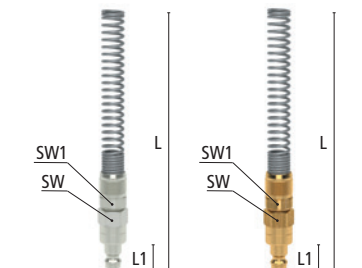
## Plugs with squeeze nut

Hose connection	L	SW	L1	SW1	Weight	Type No. n.plated	Type No. plain
Hose 4x6	47	14	14	12	32	ESMN 4 SQAB	ESM 4 SQAB
Hose 6x8	47	14	14	14	32	ESMN 6 SQAB	ESM 6 SQAB



## Plugs with squeeze nut and bulkhead screwing

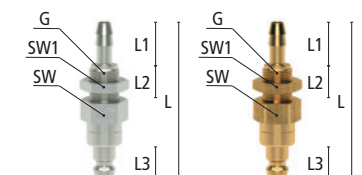
Hose connection	L	SW	L1	SW1	Weight	Type No. n.plated	Type No. plain
Hose 4x6	135	14	14	12	40	ESMN 4 SQFAB	ESM 4 SQFAB
Hose 6x8	135	14	14	14	42	ESMN 6 SQFAB	ESM 6 SQFAB



## Plugs with bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No. n.plated	Type No. plain
Hose i.D. 4	64	14	14	14	17	14	M 10x1 m	45	ESMN 4 SSVAB	ESM 4 SSVAB
Hose i.D. 6	64	14	14	14	17	17	M 12x1 m	45	ESMN 6 SSVAB	ESM 6 SSVAB
Hose i.D. 9	64	14	14	14	17	19	M 12x1 m	45	ESMN 9 SSVAB	ESM 9 SSVAB

For hose clips type ZOS, type HS or crimping ferrules type LPH



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