

LÜDECKE

Since 1930. The perfect connection.



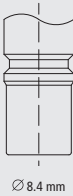
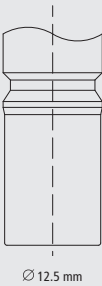
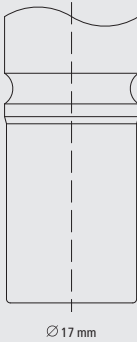
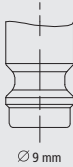
Dripless Quick Connect Couplings

Edition 1.0



LÜDECKE MADE IN GERMANY 

Overview of Dripless Quick Connect Couplings

Series	ESCBN/E DN 4*	ESCBN/E DN 6*	ESCBN/E DN 9*	ESMLA DN 5
Plug Profile (original size)				



Materials				
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/ MS 58 nickel-plated
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

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

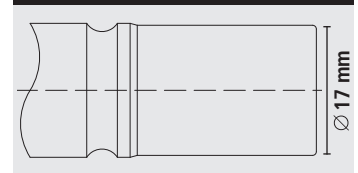
Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 13	82	33	25	325	ESCBN913TL-90AB

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

Plug Profile (original size)



Also in Stainless Steel
Series ESCBE
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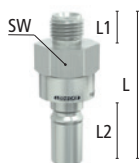
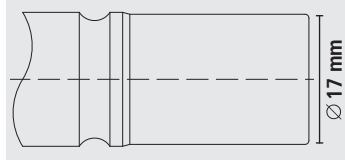


Quick Connect Couplings

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

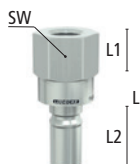
DN 9

Plug Profile (original size)



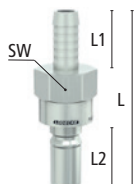
Plugs with male thread

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)