

# Mini Quick Connect Couplings

## single shut-off Series ESME

- One-hand quick connect couplings with reduced dimensions made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Suitable for low vacuum at low couple force compared to all other compatible products
- For compressed air supply at increased purity and hygiene regulations or when conveying different media (gases, chemicals, lacquers, pharmaceuticals)
- Several fields of application in pharmacy, chemical industry, medical technology, food industry, clean-room applications as well as for sophisticated pneumatic applications

### Materials

- Body, sleeve, valve body, valve, plug: Stainless Steel 1.4305
- Springs, retaining ring: Stainless Steel 1.4310
- Balls: Stainless Steel 1.3541
- Seals: FKM (EPDM or FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	⊗
PN 35 bar	-15°C – +200°C*	5	ISO 228 / DIN 13	510 l/min	One-hand	Single shut-off	Different	Europe	Coupl. 1/ Plug 5

### Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 m	36	14	16	7	27	ESME 18 A
G 1/4 m	38	17	16	9	36	ESME 14 A
G 3/8 m	38	19	16	9	42	ESME 38 A
M 12x1.5 m	38	14	16	9	30	ESME 1215 A
M 14x1.5 m	38	17	16	9	38	ESME 1415 A

### Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 f	38	14	16	9	31	ESME 18 I
G 1/4 f	38	17	16	9	31	ESME 14 I
G 3/8 f	38	19	16	9	43	ESME 38 I
M 12x1.5 f	38	17	16	9	41	ESME 1215 I
M 14x1.5 f	38	17	16	9	38	ESME 1415 I

### Couplings with hose stem

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 4	47	14	16	17	27	ESME 4 T
Hose i.D. 6	47	14	16	17	28	ESME 6 T
Hose i.D. 8	47	14	16	17	28	ESME 8 T
Hose i.D. 9	47	14	16	17	30	ESME 9 T
Hose i.D. 10	47	14	16	17	30	ESME 10 T

For hose clips type HSE (⊗ page 357)

### Coupling with hose squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No.
Hose 4x6	43	14	16	12	34	ESME 4 TQ
Hose 6x8	43	14	16	14	36	ESME 6 TQ

### Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	SW2	G	Weight	Type No.
Hose 4x6	54	14	16	18	12	12	M 10x1 m	41	ESME 4 TQSV
Hose 6x8	54	14	16	18	14	14	M 12x1 m	49	ESME 6 TQSV

Special versions on request.

### Couplings with hose stem and bulkhead screwing

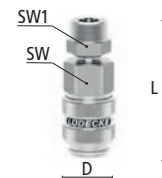
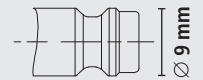
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 5	60	17	16	17	14	17	M 12x1 m	45	ESME 5 TSV
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	45	ESME 6 TSV
Hose i.D. 8	60	17	16	17	14	17	M 12x1 m	45	ESME 8 TSV

For hose clips type HSE (⊗ page 357)

\*subject to media and sealing material

# DN 5

Plug Profile (original size)

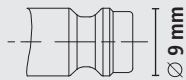


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## Series ESME single shut-off

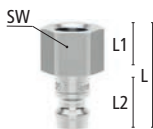
### DN 5

Plug Profile (original size)



#### Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	25	14	7	14	11	ESME 18 NA
G 1/4 m	28	17	9	14	19	ESME 14 NA
G 3/8 m	28	19	9	14	21	ESME 38 NA
M 10x1 m	25	14	7	14	11	ESME 101 NA
M 12x1.5 m	28	17	10	14	17	ESME 1215 NA
M 14x1.5 m	28	17	10	14	20	ESME 1415 NA



#### Plugs with female thread

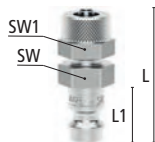
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	25	14	8	14	14	ESME 18 NI
G 1/4 f	25	17	9	14	15	ESME 14 NI
G 3/8 f	26	19	9	14	19	ESME 38 NI
M 10x1 f	26	14	9	14	18	ESME 101 NI
M 12x1.5 f	27	17	10	14	22	ESME 1215 NI
M 14x1.5 f	27	17	10	14	19	ESME 1415 NI



#### Plugs with hose stem

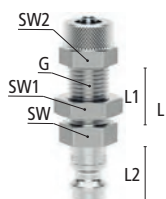
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 4	32	9	17	14	7	ESME 4 S
Hose i.D. 5	32	9	17	14	8	ESME 5 S
Hose i.D. 6	32	9	17	14	9	ESME 6 S
Hose i.D. 8	32	9	17	14	9	ESME 8 S
Hose i.D. 9	33	10	17	14	9	ESME 9 S
Hose i.D. 10	33	12	17	14	12	ESME 10 S

For hose clips type HSE (© page 357)



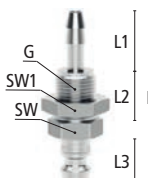
#### Plugs with hose squeeze nut

Hose connection	L	SW	L1	SW1	Weight	Type No.
Hose 4x6	32	12	14	12	17	ESME 4 SQ
Hose 6x8	32	14	14	14	21	ESME 6 SQ



#### Plugs with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	L1	L2	SW1	SW2	G	Weight	Type No.
Hose 4x6	44	12	18	14	14	14	M 10x1 m	27	ESME 4 SQSV
Hose 6x8	44	14	18	14	17	14	M 12x1 m	35	ESME 6 SQSV



#### Plugs with hose barb and bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 5	50	14	17	14	14	17	M 12x1 m	28	ESME 5 SSV
Hose i.D. 6	50	14	17	14	14	17	M 12x1 m	28	ESME 6 SSV
Hose i.D. 8	50	14	17	14	14	17	M 12x1 m	28	ESME 8 SSV

For hose clips type HSE (© page 357)