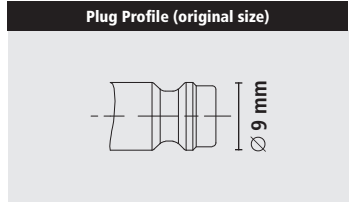


Mini Quick Connect Couplings

straight-through Series ESME

DN 5



- One-hand quick connect couplings with reduced dimensions made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Straight-through passage for optimised flow capacity, particularly for water/ liquid applications
- Please connect with plug series ESME DN 5 with straight-through passage (page 292)
- 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	620 l/min	One-hand	Straight-through	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	28	ESME 18 AO
G 1/4 m	38	17	16	9	37	ESME 14 AO
G 3/8 m	38	19	16	9	43	ESME 38 AO
M 12x1.5 m	38	14	16	9	30	ESME 1215 AO
M 14x1.5 m	38	17	16	9	38	ESME 1415 AO



Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 f	38	14	16	9	32	ESME 18 IO
G 1/4 f	38	17	16	9	32	ESME 14 IO
G 3/8 f	38	19	16	9	44	ESME 38 IO
M 12x1.5 f	38	17	16	9	41	ESME 1215 IO
M 14x1.5 f	38	17	16	9	38	ESME 1415 IO



Couplings with hose stem

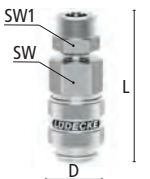
Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 4	47	14	16	17	28	ESME 4 TO
Hose i.D. 6	47	14	16	17	29	ESME 6 TO
Hose i.D. 8	47	14	16	17	29	ESME 8 TO
Hose i.D. 9	47	14	16	17	31	ESME 9 TO
Hose i.D. 10	47	14	16	17	31	ESME 10 TO

For hose clips type HSE (© page 357)



Couplings with hose squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No.
Hose 4x6	43	14	16	12	35	ESME 4 TQO
Hose 6x8	43	14	16	14	37	ESME 6 TQO



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	42	ESME 4 TQSVO
Hose 6x8	54	14	16	18	14	14	M 12x1 m	50	ESME 6 TQSVO



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	46	ESME 5 TSVO
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	46	ESME 6 TSVO
Hose i.D. 8	60	17	16	17	14	17	M 12x1 m	47	ESME 8 TSVO

For hose clips type HSE (© page 357)



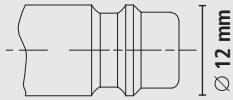
Special versions on request
*subject to media and sealing material

Quick Connect Couplings

Series ESE single shut-off

DN 7.2

Plug Profile (original size)



- Universal one-hand quick connect couplings 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, pins, plug: Stainless Steel 1.4305
- Springs, retaining ring: Stainless Steel 1.4310
- 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*	7,2	ISO 228	1150 l/min	One-hand	Single shut-off	Different	Worldwide	Coupl. 1/ Plug 5

Couplings with parallel male thread

Thread connection	L	SW	D	L1	Weight	Sleeve	
						Type No. smooth	Type No. knurled
G 1/4 m	41	22	27	9	82	ESEG 14 A	ESER 14 A
G 3/8 m	42	22	27	10	82	ESEG 38 A	ESER 38 A
G 1/2 m	44	24	27	12	95	ESEG 12 A	ESER 12 A

Couplings with parallel female thread

Thread connection	L	SW	D	L1	Weight	Sleeve	
						Type No. smooth	Type No. knurled
G 1/4 f	41.5	22	27	10.5	83	ESEG 14 I	ESER 14 I
G 3/8 f	41.5	22	27	10.5	83	ESEG 38 I	ESER 38 I
G 1/2 f	43	24	27	12	92	ESEG 12 I	ESER 12 I

Couplings with hose stem

Hose connection	L	SW	D	L1	Weight	Sleeve	
						Type No. smooth	Type No. knurled
Hose i.D. 6	56	22	27	25	92	ESEG 6 T	ESER 6 T
Hose i.D. 8	56	22	27	25	92	ESEG 8 T	ESER 8 T
Hose i.D. 9	56	22	27	25	92	ESEG 9 T	ESER 9 T
Hose i.D. 10	56	22	27	25	93	ESEG 10 T	ESER 10 T
Hose i.D. 13	56	22	27	25	95	ESEG 13 T	ESER 13 T

For hose clips type HSE (© page 357)

Couplings with hose squeeze nut

Hose connection	L	SW	D	L1	SW1	Weight	Sleeve	
							Type No. smooth	Type No. knurled
Hose 8x12	48	22	27	9.5	17	107	ESEG 812 TQ	ESER 812 TQ

O-rings approved for the food industry (VO 1935/2004)

*subject to media and sealing material

Available with smooth surface to avoid dirt from collecting at increased hygiene regulations or with knurled sleeve

