

Mini Quick Connect Couplings

Series ESM single shut-off

DN5



Also in
Stainless Steel
Series ESME
page 289

- Mini one-hand quick connect couplings made of brass MS 58 plain or nickel-plated
- Robust, safe and reliable
- Couplings on request also available with red or blue anodised aluminium sleeve
- Multiple applications in pneumatics, compressed air lines, measure-, control- and regulation technique

Materials

- Body, sleeve, valve body, valve: Brass MS 58 plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: Buna N (on request EPDM, FKM or FFKM)
- Plug: Brass MS 58 plain/ nickel-plated or steel zinc plated and yellow passivated (free of chrome VI)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	5	ISO 228 / DIN 13	510 l/min	One-hand	Single shut-off	Air a.o.	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	ESMN 18 A	ESM 18 A
G 1/4 m	38	17	16	9	36	ESMN 14 A	ESM 14 A
G 3/8 m	38	19	16	9	43	ESMN 38 A	ESM 38 A
M 10x1 m	37	14	16	7	35	ESMN 101 A	ESM 101 A
M 12x1.5 m	39	17	15	10	37	ESMN 121 A	ESM 121 A
M 14x1.5 m	39	17	16	10	37	ESMN 141 A	ESM 141 A

Male thread sealing with PVC-packing rings type HPD (© page 231)

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	ESMN 18 I	ESM 18 I
G 1/4 f	38	17	16	9	38	ESMN 14 I	ESM 14 I
G 3/8 f	39	19	16	10.5	39	ESMN 38 I	ESM 38 I
M 10x1 f	38	14	16	9	36	ESMN 101 I	ESM 101 I
M 12x1.5 f	38	17	16	9	39	ESMN 121 I	ESM 121 I
M 14x1.5 f	38	17	16	9	37	ESMN 141 I	ESM 141 I

Couplings with hose barb

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

For hose clips type ZOS (© page 414), type HS (© page 415) or crimping ferrules type LPH (© page 418)

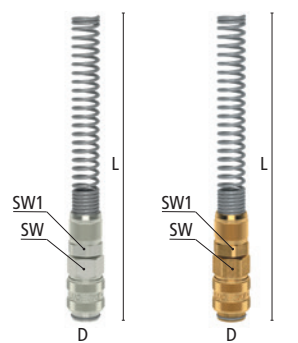
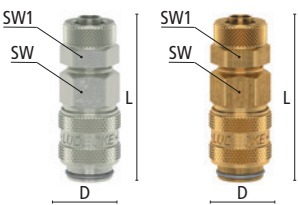
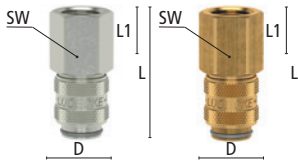
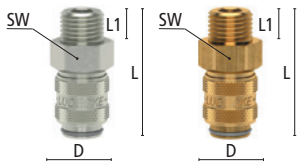
Couplings with squeeze nut (rigid and swivelling)

Hose connection	L	SW	D	SW1	Version	Weight	Type No. n. plated	Type No. plain
Hose 3x5	42	14	16	-	rigid	30	ESMN 35 TQ	ESM 35 TQ
Hose 4x6	43	14	16	12	rigid	32	ESMN 4 TQ	ESM 4 TQ
Hose 4x6	60	14	16	12	swivelling	40	ESMN 4 TQDR	ESM 4 TQDR
Hose 6x8	43	14	16	14	rigid	34	ESMN 6 TQ	ESM 6 TQ
Hose 6x8	60	14	16	14	swivelling	42	ESMN 6 TQDR	ESM 6 TQDR

Couplings with squeeze nut and spring guard (rigid and swivelling)

Hose connection	L	SW	D	SW1	Version	Weight	Type No. n. plated	Type No. plain
Hose 3x5	100	14	16	11	rigid	35	ESMN 35 TQF	ESM 35 TQF
Hose 4x6	120	14	16	12	rigid	39	ESMN 4 TQF	ESM 4 TQF
Hose 4x6	130	14	16	12	swivelling	48	ESMN 4 TQFDR	ESM 4 TQFDR
Hose 6x8	130	14	16	14	rigid	44	ESMN 6 TQF	ESM 6 TQF
Hose 6x8	140	14	16	14	swivelling	55	ESMN 6 TQFDR	ESM 6 TQFDR

Special versions on request.



swivelling

swivelling

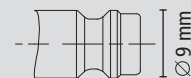
swivelling

swivelling

Mini Quick Connect Couplings

single shut-off Series ESM

DN5

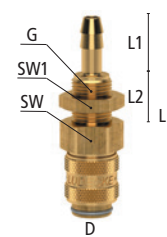


Plug Profile (original size)

Bulkhead couplings

Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 4	60	14	17	17	14	14	M 10x1 m	40	ESM 4 TSV
Hose i.D. 6	60	17	17	17	14	17	M 12x1 m	45	ESM 6 TSV
Hose i.D. 9	60	17	17	17	14	19	M 12x1 m	47	ESM 9 TSV

For hose clips type ZOS (© page 414), type HS (© page 415) or crimping ferrules type LPH (© page 418)



D

DS

L1

L2

L

D

SW

SW1

G

Couplings with plug DN 7.2-ES-System adapter

Connection	L	D	L1	DS	Weight	Type No.
Plug ES DN 7.2	49	16	20	12	33	ESMK-ESS

DS

L1

L2

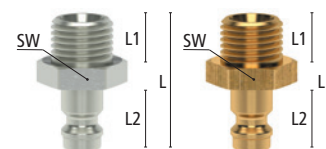
L

D

Plugs with male thread

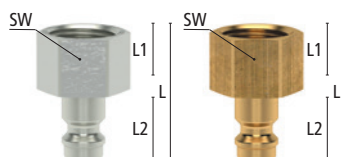
Thread connection	L	SW	L1	L2	Material	Weight	Type No. n. plated	Type No. plain
G 1/8 m	25	13	7	14	Brass MS 58	11	ESMN 18 NA	ESM 18 NA
G 1/4 m	27.5	17	9	14	Brass MS 58	18	ESMN 14 NA	ESM 14 NA
G 3/8 m	27.5	19	9	14	Brass MS 58	21	ESMN 38 NA	ESM 38 NA
M 10x1 m	26	13	8	14	Brass MS 58	11	ESMN 101 NA	ESM 101 NA
M 12x1.5 m	28.5	17	10	14	Brass MS 58	18	ESMN 121 NA	ESM 121 NA
M 14x1.5 m	28.5	17	10	14	Brass MS 58	19	ESMN 141 NA	ESM 141 NA
G 1/8 m	25	13	7	14	Steel zinc-pl.	10		ESM 18 NAS
G 1/4 m	27.5	17	9	14	Steel zinc-pl.	16		ESM 14 NAS

Male thread sealing with PVC-packing rings type HPD (© page 231)



Plugs with female thread

Thread connection	L	SW	L1	L2	Material	Weight	Type No. n. plated	Type No. plain
G 1/8 f	25	13	9	14	Brass MS 58	12	ESMN 18 NI	ESM 18 NI
G 1/4 f	26	17	10	14	Brass MS 58	18	ESMN 14 NI	ESM 14 NI
G 3/8 f	26.5	19	10.5	14	Brass MS 58	22	ESMN 38 NI	ESM 38 NI
M 6 f	22.5	12	8	14	Brass MS 58	11	ESMN 6 NI	ESM 6 NI
M 8 f	24	12	10	14	Brass MS 58	11	ESMN 8 NI	ESM 8 NI
M 10x1 f	22.5	13	7	14	Brass MS 58	10	ESMN 101 NI	ESM 101 NI
M 12x1.5 f	25	17	9	14	Brass MS 58	19	ESMN 121 NI	ESM 121 NI
M 14x1.5 f	25	17	9	14	Brass MS 58	17	ESMN 141 NI	ESM 141 NI
G 1/8 f	25	13	9	14	Steel zinc-pl.	11		ESM 18 NIS
G 1/4 f	26	17	10	14	Steel zinc-pl.	17		ESM 14 NIS



Coupling System ESM also available straight through for an additional charge.

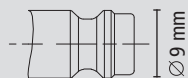
When ordering just add -O to the regular Type No. i.e ESM 6 TO.

Minimum quantity 50 pc/type!

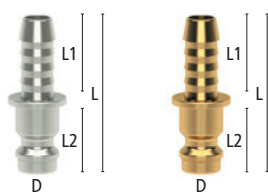
Mini Quick Connect Couplings

Series ESM single shut-off

DN5



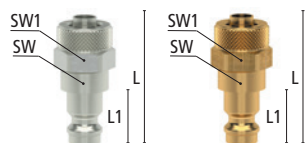
Plug Profile (original size)



Plugs with hose barb

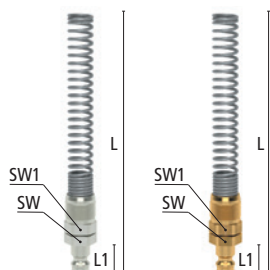
Hose connection	L	D	L1	L2	Material	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	32	9	16.5	14	Brass MS 58	7	ESMN 4 S	ESM 4 S
Hose i.D. 5	32	12	16.5	14	Brass MS 58	8	ESMN 5 S	ESM 5 S
Hose i.D. 6	32	12	16.5	14	Brass MS 58	8	ESMN 6 S	ESM 6 S
Hose i.D. 8	32	12	16.5	14	Brass MS 58	12	ESMN 8 S	ESM 8 S
Hose i.D. 9	38	12	23	14	Brass MS 58	11	ESMN 9 S	ESM 9 S
Hose i.D. 4	32	9	16.5	14	Steel zinc-pl.	6		ESM 4 SS
Hose i.D. 6	32	12	16.5	14	Steel zinc-pl.	7		ESM 6 SS

For hose clips type ZOS (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418)



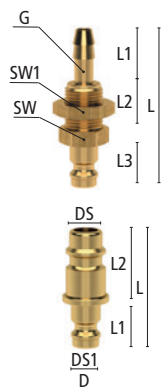
Plugs with squeeze nut

Hose connection	L	SW	L1	SW1	Weight	Type No. n. plated	Type No. plain
Hose 3x5	32	12	14	-	14	ESMN 35 SQ	ESM 35 SQ
Hose 4x6	32	-	14	12	6	ESMN 4 SQ	ESM 4 SQ
Hose 6x8	32	-	14	14	23	ESMN 6 SQ	ESM 6 SQ



Plugs with squeeze nut and spring guards

Hose connection	L	SW	L1	SW1	Weight	Type No. n. plated	Type No. plain
Hose 3x5	90	12	14	11	24	ESMN 35 SQF	ESM 35 SQF
Hose 4x6	110	-	14	12	26	ESMN 4 SQF	ESM 4 SQF
Hose 6x8	120	-	14	14	29	ESMN 6 SQF	ESM 6 SQF



Plugs with bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 4	50	14	17	14	14	14	M 10x1 m	20	ESM 4 SSV
Hose i.D. 6	50	14	17	14	14	17	M 12x1 m	25	ESM 6 SSV
Hose i.D. 9	50	17	17	14	14	19	M 12x1 m	30	ESM 9 SSV

For hose clips type ZOS (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418)

NEW!

System-adapter

Connection	L	D	L1	L2	DS	DS1	Weight	Type No.
DN 5 - DN 7.2	36	14	14	20	12	9	16	ESM-ES

Recoil eliminator for all plug types to avoid the "whip-lash-effect" during disconnection by controlled automatic air-relief of the hose line available on request!

Mini Quick Connect Couplings

double shut-off Series ESM

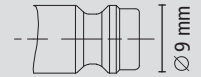
DN5

- Mini one-hand quick connect couplings made of brass MS 58 plain or nickel-plated
- Double shut-off to avoid leakage of media during disconnection
- Robust, safe and reliable
- **Attention: Couplings can be connected with straight through plugs DN 5, double shut-off plugs cannot be connected with single shut-off couplings DN 5**
- Several fields of application, above all for liquid media in construction, control technology switchboard cooling etc.

Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 plain or nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: Buna N - extra charge for EPDM and FKM sealing rings

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	5	ISO 228 / DIN 13	330 l/min	One-hand	double shut-off	Air a.o.	Europe	10



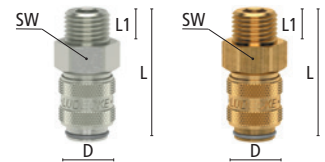
Plug Profile (original size)

Also in
Stainless Steel
Series ESME
page 289

Couplings with male thread

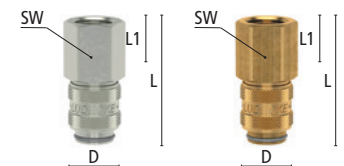
Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 m	37	14	16	7	27	ESMN 18 AAB	ESM 18 AAB
G 1/4 m	38	17	16	9	36	ESMN 14 AAB	ESM 14 AAB
G 3/8 m	38	19	16	9	43	ESMN 38 AAB	ESM 38 AAB
M 10x1 m	37	14	16	7	35	ESMN 101 AAB	ESM 101 AAB
M 12x1.5 m	39	17	16	10	37	ESMN 121 AAB	ESM 121 AAB
M 14x1.5 m	39	17	16	10	37	ESMN 141 AAB	ESM 141 AAB

Male thread sealing with PVC-packing rings type HPD (☺ page 231)



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	ESMN 18 IAB	ESM 18 IAB
G 1/4 f	38	17	16	9	38	ESMN 14 IAB	ESM 14 IAB
G 3/8 f	39.5	19	16	10.5	39	ESMN 38 IAB	ESM 38 IAB
M 10x1 f	38	14	16	9	34	ESMN 101 IAB	ESM 101 IAB
M 12x1.5 f	38	17	16	9	39	ESMN 121 IAB	ESM 121 IAB
M 14x1.5 f	38	17	16	9	37	ESMN 141 IAB	ESM 141 IAB



Couplings with hose barb

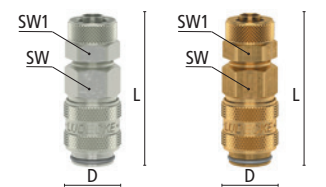
Hose connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	46	14	16	17	27	ESMN 4 TAB	ESM 4 TAB
Hose i.D. 5	46	14	16	17	27	ESMN 5 TAB	ESM 5 TAB
Hose i.D. 6	46	14	16	17	27	ESMN 6 TAB	ESM 6 TAB
Hose i.D. 8	46	14	16	17	29	ESMN 8 TAB	ESM 8 TAB
Hose i.D. 9	46	14	16	17	29	ESMN 9 TAB	ESM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

For hose clips type ZOS (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418)



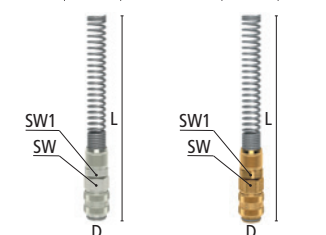
Couplings with squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	43	14	16	12	32	ESMN 4 TQAB	ESM 4 TQAB
Hose 6x8	43	14	16	14	34	ESMN 6 TQAB	ESM 6 TQAB



Couplings with squeeze nut and spring guard

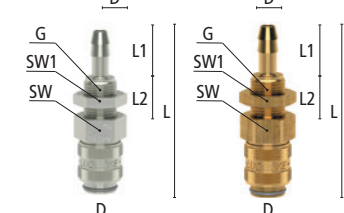
Hose connection	L	SW	D	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	120	14	16	12	39	ESMN 4 TQFAB	ESM 4 TQFAB
Hose 6x8	130	14	16	14	44	ESMN 6 TQFAB	ESM 6 TQFAB



Couplings with bulkhead screwing

Hose connection	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	ESMN 4 TSVAB	ESM 4 TSVAB
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	45	ESMN 6 TSVAB	ESM 6 TSVAB
Hose i.D. 9	60	17	16	17	14	19	M 12x1 m	47	ESMN 9 TSVAB	ESM 9 TSVAB

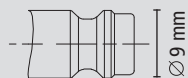
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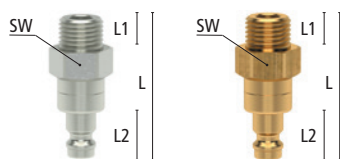
Mini Quick Connect Couplings

Series ESM double shut-off

DN5



Plug Profile (original size)

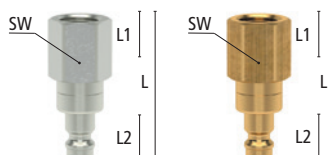


Plugs with male thread

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
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

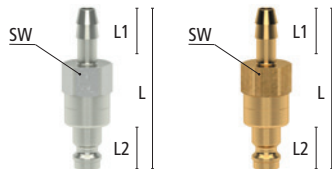
Male thread sealing with PVC-packing rings type HPD (☺ page 231)

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
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

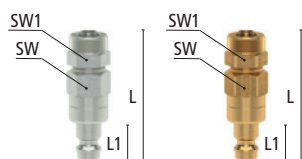
Plugs with hose barb



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

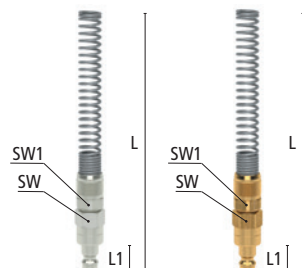
For hose clips type ZOS (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418)

Plugs with squeeze nut



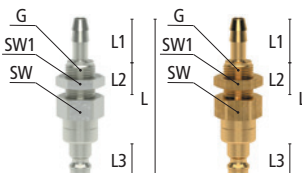
Hose connection	L	SW	L1	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	47	14	14	12	32	ESMN 4 SQAB	ESM 4 SQAB
Hose 6x8	47	14	14	14	32	ESMN 6 SQAB	ESM 6 SQAB

Plugs with squeeze nut and spring guard



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 (☺ page 414), type HS (☺ page 415) or crimping ferrules type LPH (☺ page 418)