

NEW!

Micro Quick-Disconnect Couplings Stainless Steel

one-way shut-off **Series ESMCE**

DN 2.7

- High quality quick-disconnect couplings with smallest dimensions of stainless steel 1.4305
- Several fields of application, above all for liquid mediums in pharmacy, medical engineering, chemistry, food industry, clean rooms, high-grade measure-, control- and regulation technique, at demanding pureness and hygiene regulations
- Maximum operation temperature depends on medium used

Materials

- Connections, Sleeve, Valve body, Valve, Plugs: stainless steel 1.4305
- Springs, Retaining ring: stainless steel 1.4310, Balls: stainless steel 1.4401
- O-Rings: FKM (EPDM or FFKM on demand)



Max. Working Pressure	Temperature	Threads	DN	Flow Capacity	One-Hand	Shut-Off	Medium	Area	
PN 35 bar	-15°C – +150°C	ISO 228 / DIN 13	2.7	160 L/min	yes	1-way	divers	Europe	5

Couplings with male thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No
M 5	9	26	10	5	9	ESMCE 5 A
G 1/8"	11	28	10	7	12	ESMCE 18 A

Couplings with female thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No
M 5	9	25	10	5	10	ESMCE 5 I
G 1/8"	12	28	10	7	14	ESMCE 18 I

Couplings with hose stem

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No
3 mm	35	10	13	9	ESMCE 3 T
4 mm	35	10	13	10	ESMCE 4 T
5 mm	35	10	13	10	ESMCE 5 T

For hose clips type ZOS (© Lüdecke main catalogue page 52) or type HSE (© Lüdecke main catalogue page 54)

Couplings with hose squeeze nut

for Hose	Hexagon	l	d	Weight/pc. g	Type No.
3 x 4 mm	9	33	10	15	ESMCE 34 TQ
3 x 5 mm	9	33	10	15	ESMCE 3 TQ
4 x 6 mm	9	32	10	15	ESMCE 4 TQ

Couplings with hose squeeze nut and bulkhead screwing

for Hose	Hexagon	l	d	Thread	Thread Length	Weight/pc. g	Type No.
3 x 4 mm	12	45	10	M 7 x 0,5	17	26	ESMCE 34 TQSV
3 x 5 mm	12	45	10	M 7 x 0,5	17	26	ESMCE 35 TQSV
4 x 6 mm	12	45	10	M 8 x 0,5	17	26	ESMCE 4 TQSV

Couplings with hose stem and bulkhead screwing

Hose i.D.	Hexagon	l	d	Thread	Thread Length	Weight/pc. g	Type No.
3 mm	12	51	10	M 7 x 0,5	17	24	ESMCE 3 TSV
4 mm	12	51	10	M 7 x 0,5	17	24	ESMCE 4 TSV
5 mm	12	51	10	M 8 x 0,5	17	24	ESMCE 5 TSV

For hose clips type ZOS (© Lüdecke main catalogue page 52) or type HSE (© Lüdecke main catalogue page 54)

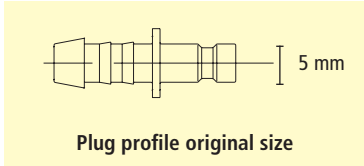


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DN2.7



Max. Working Pressure	Temperature	Threads	DN	Flow Capacity	One-Hand	Shut-Off	Medium	Area	
PN 35 bar	-15°C – +150°C	ISO 228 / DIN 13	2.7	160 L/min	yes	1-way	divers	Europe	5

Plugs with male thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
M 5	7	18	5	10	3	ESMCE 5 NA
G 1/8"	11	20	7	10	6	ESMCE 18 NA

Plugs with female thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
M 5	7	17	5	10	3	ESMCE 5 NI
G 1/8"	12	19	7	10	6	ESMCE 18 NI

Plugs with hose stem

Hose i.D.	d	l	Stem Length	Plug Length	Weight/pc. g	Type No.
3 mm	7	24	13	10	2	ESMCE 3 S
4 mm	7	24	13	10	3	ESMCE 4 S
5 mm	9	24	13	10	3	ESMCE 5 S

For hose clips type ZOS (© Lüdecke main catalogue page 52) or type HSE (© Lüdecke main catalogue page 54)

Plugs with hose squeeze nut

for Hose	Hexagon	l	Plug Length	Weight/pc. g	Type No.
3 x 4 mm	8	25	10	12	ESMCE 34 SQ
3 x 5 mm	8	25	10	12	ESMCE 3 SQ
4 x 6 mm	8	25	10	12	ESMCE 4 SQ

Plugs with hose squeeze nut and bulkhead screwing

Hose i.D.	Hexagon	l	Thread	Thread Length	Weight/pc. g	Type No.
3 x 4 mm	12	38	M 7 x 0,5	17	23	ESMCE 34 SQSV
3 x 5 mm	12	38	M 7 x 0,5	17	23	ESMCE 35 SQSV
4 x 6 mm	12	38	M 8 x 0,5	17	23	ESMCE 4 SQSV

Plugs with hose stem and bulkhead screwing

Hose i.D.	Hexagon	l	Thread	Thread Length	Weight/pc. g	Type No.
3 mm	12	45	M 7 x 0,5	17	21	ESMCE 3 SSV
4 mm	12	45	M 7 x 0,5	17	21	ESMCE 4 SSV
5 mm	12	45	M 8 x 0,5	17	21	ESMCE 5 SSV

For hose clips type ZOS (© Lüdecke main catalogue page 52) or type HSE (© Lüdecke main catalogue page 54)



NEW!

Micro Quick-Disconnect Couplings Stainless Steel

two-way shut-off **Series ESMCE**

DN 2.7

Clean Connect
by **LUDECKE**

- High quality quick-disconnect couplings with smallest dimensions of stainless steel 1.4305
- Two-way shut-off to avoid leaking of medium when disconnecting. Robust, safe and reliable.
- **Attention: Couplings can be connected with non-shut-off plugs DN 2,7, but shut-off plugs cannot be connected with standard couplings DN 2,7**
- Several fields of application, above all for liquid mediums in pharmacy, medical engineering, chemistry, food industry, clean rooms, high-grade measure-, control- and regulation technique, at demanding pureness and hygiene regulations
- **Maximum operation temperature depends on medium used**

Materials

- Connections, Sleeve, Valve body, Valve, Plugs: stainless steel 1.4305
- Springs, Retaining ring: stainless steel 1.4310, Balls: stainless steel 1.4401
- O-Rings: FKM (EPDM or FFKM on demand)

Max. Working Pressure	Temperature	Threads	DN	Flow Capacity	One-Hand	Shut-Off	Medium	Area	
PN 35 bar	-15°C – +150°C	ISO 228 / DIN 13	2.7	100 L/min	yes	2-way	divers	Europe	5

Couplings with male thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
M 5	9	26	10	5	9	ESMCE 5 AAB
G 1/8"	11	28	10	7	12	ESMCE 18 AAB

Couplings with female thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
M 5	9	25	10	5	10	ESMCE 5 IAB
G 1/8"	12	28	10	7	14	ESMCE 18 IAB

Couplings with hose stem

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
3 mm	35	10	13	9	ESMCE 3 TAB
4 mm	35	10	13	10	ESMCE 4 TAB
5 mm	35	10	13	10	ESMCE 5 TAB

For hose clips type ZOS (© Lüdecke main catalogue page 52) or type HSE (© Lüdecke main catalogue page 54)

Couplings with hose squeeze nut

for Hose	Hexagon	l	d	Weight/pc. g	Type No.
3 x 4 mm	9	33	10	15	ESMCE 34 TQAB
3 x 5 mm	9	33	10	15	ESMCE 3 TQAB
4 x 6 mm	9	32	10	15	ESMCE 4 TQAB

Couplings with hose squeeze nut and bulkhead screwing

for Hose	Hexagon	l	d	Thread	Thread Length	Weight/pc. g	Type No.
3 x 4 mm	12	45	10	M 7 x 0,5	17	26	ESMCE 34 TQSVAB
3 x 5 mm	12	45	10	M 7 x 0,5	17	26	ESMCE 35 TQSVAB
4 x 6 mm	12	45	10	M 8 x 0,5	17	26	ESMCE 4 TQSVAB

Couplings with hose stem and bulkhead screwing

Hose i.D.	Hexagon	l	d	Thread	Thread Length	Weight/pc. g	Type No.
3 mm	12	51	10	M 7 x 0,5	17	24	ESMCE 3 TSVAB
4 mm	12	51	10	M 7 x 0,5	17	24	ESMCE 4 TSVAB
5 mm	12	51	10	M 8 x 0,5	17	24	ESMCE 5 TSVAB

For hose clips type ZOS (© Lüdecke main catalogue page 52) or type HSE (© Lüdecke main catalogue page 54)



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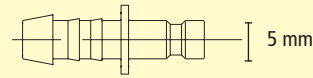
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two-way shut-off **Series ESMCE**

NEW!

DN2.7



Plug profile original size

Max. Working Pressure	Temperature	Threads	DN	Flow Capacity	One-Hand	Shut-Off	Medium	Area	
PN 35 bar	-15°C – +150°C	ISO 228 / DIN 13	2.7	100 L/min	yes	2-way	divers	Europe	5

Plugs with male thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
M 5	9	28	5	10	10	ESMCE 5 NAAB
G 1/8	11	30	7	10	12	ESMCE 18 NAAB

Plugs with female thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
M 5	9	26,5	5	10	11	ESMCE 5 NIAB
G 1/8	12	30	7	10	14	ESMCE 18 NIAB

Plugs with hose stem

Hose i.D.	d	l	Stem Length	Plug Length	Weight/pc. g	Type No.
3 mm	9	36,5	13	10	9	ESMCE 3 SAB
4 mm	9	36,5	13	10	10	ESMCE 4 SAB
5 mm	9	36,5	13	10	10	ESMCE 5 SAB

For hose clips type ZOS (© Lüdecke main catalogue page 52) or type HSE (© Lüdecke main catalogue page 54)

Plugs with hose squeeze nut

for Hose	Hexagon	l	Plug Length	Weight/pc. g	Type No.
3 x 4 mm	9	35	10	10	ESMCE 34 SQAB
3 x 5 mm	9	35	10	10	ESMCE 3 SQAB
4 x 6 mm	9	34	10	11	ESMCE 4 SQAB

Plugs with hose squeeze nut and bulkhead screwing

for Hose	Hexagon	l	Plug L.	Thread	Thread L.	b	Hexagon	Weight/pc. g	Type No.
3 x 4 mm	12	47	10	M 7 x 0,5	17	3	11	13	ESMCE 34 SQSVAB
3 x 5 mm	12	47	10	M 7 x 0,5	17	3	11	13	ESMCE 35 SQSVAB
4 x 6 mm	12	47	10	M 8 x 0,5	17	3,5	12	17	ESMCE 4 SQSVAB

Plugs with hose stem and bulkhead screwing

Hose i.D.	Hexagon	l	Stem L.	Thread	Thread L.	b	Hexagon	Weight/pc. g	Type No.
3 mm	12	53	13	M 7 x 0,5	17	3	11	14	ESMCE 3 SSVAB
4 mm	12	53	13	M 7 x 0,5	17	3	11	14	ESMCE 4 SSVAB
5 mm	12	53	13	M 8 x 0,5	17	3,5	12	16	ESMCE 5 SSVAB

For hose clips type ZOS (© Lüdecke main catalogue page 52) or type HSE (© Lüdecke main catalogue page 54)

