

Standard Quick-Disconnect Couplings

Series ES one-way shut-off

DN 7.2

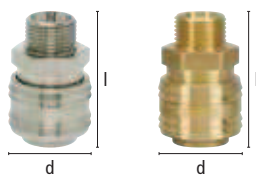
- Universal Quick Disconnect Couplings of brass blank or nickel plated
- New stem profile for safe fit of the hose and easy assembly
- Closed Sleeve protects the coupling from dirt
- **Application: For compressed air lines in industry, garages, construction. For water and other fluids**

Materials

- Connections, Sleeve, Valve body, Valve: MS 58, resp. MS 58 nickel-plated
- Spring, Retaining rings, Pins: stainless steel 1.4310
- O-Rings: Perbunan, EPDM and FKM on request
- Plugs: MS 58 resp. steel zinc plated and yellow passivated (free of chrome VI)

Max. Work. Pressure	Temperature	Medium	DN	Threads	Flow Capacity	One-Hand	Shut-Off	Norm	Area	
PN 35 bar	-20°C – +100°C	air a.o.	7,2	ISO 228/DIN 2999/DIN 13	1100 L/min	yes	1-way	Eur. Standard	world-wide	10

Couplings with male thread



Thread	Hexag.	l	d	Thread Leng.	Weight/pc g	Type No. nickel plated	Type No. blank
G 1/8"	22	38	27	7	70	ESN 18 A	ES 18 A
G 1/4"	22	40	27	9	73	ESN 14 A	ES 14 A
G 3/8"	22	41	27	9	76	ESN 38 A	ES 38 A
G 1/2"	24	41	27	10	87	ESN 12 A	ES 12 A
M 14 x 1,5	22	40	27	9	75	ESN 1415 A	ES 1415 A
M 16 x 1,5	22	40	27	9	75	ESN 1615 A	ES 1615 A
M 18 x 1,5	22	40	27	10	78	ESN 1815 A	ES 1815 A

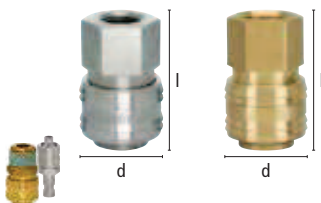
Male thread sealing with PVC-packing rings type HPD (© catalogue page 25)

Couplings with male thread (tapered), Loctite-laminated



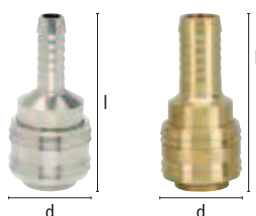
Thread	Hexag.	l	d	Thread Leng.	Weight/pc g	Type No. blank
R 1/4"	22	42	27	11	76	ES 14 AB
R 3/8"	22	44	27	12	79	ES 38 AB
G 1/2"	22	45	27	15	96	ES 12 AB

Couplings with female thread



Thread	Hexag.	l	d	Thread Leng.	Weight/pc g	Type No. nickel plated	Type No. blank
G 1/8"	22	39	27	9	90	ESN 18 I	ES 18 I
G 1/4"	22	41	27	10.5	92	ESN 14 I	ES 14 I
G 3/8"	22	41	27	10.5	85	ESN 38 I	ES 38 I
G 1/2"	24	42.5	27	12	87	ESN 12 I	ES 12 I
G 3/4"	32	42.5	34	13	110	ESN 34 I	ES 34 I
M 14 x 1,5	22	41.5	27	11	90	ESN 1415 I	ES 1415 I
M 16 x 1,5	22	41.5	27	11	84	ESN 1615 I	ES 1615 I
M 18 x 1,5	22	41.5	27	12	80	ESN 1815 I	ES 1815 I

Couplings with hose stem



Hose i.D.	l	d	Stem Leng.	Weight/pc g	Type No. nickel plated	Type No. blank
6 mm	55	27	25	64	ESN 6 T	ES 6 T
8 mm	55	27	25	67	ESN 8 T	ES 8 T
9 mm	55	27	25	68	ESN 9 T	ES 9 T
10 mm	58	27	28	70		ES 10 TH*
10 mm	55	27	25	70	ESN 10 T	ES 10 T
13 mm	58	27	28	75		ES 13 TH*
13 mm	55	27	25	75	ESN 13 T	ES 13 T

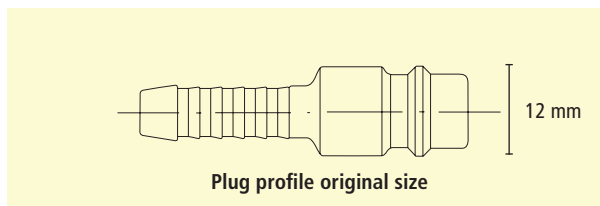
For hose clips type HS (© catalogue page 53 / 54), type ZOS (© catalogue page 52) or crimping ferrules type LPH (© catalogue page 55)

*ES10TH and ES13TH for the use of quick-fit hoses (e.g. Parker Push-lock, Gates Lock-on)

Standard Quick-Disconnect Couplings

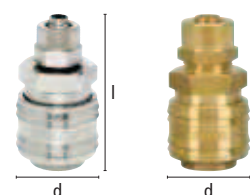
one-way shut-off **Series ES**

DN7.2



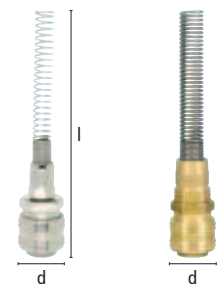
Couplings with squeeze nut

For Hose	Hexagon	l	d	Weight/pc g	Type No. nickel plated	Type No. blank
4 x 6 mm	22	44	27	73	ESN 4 TQ	ES 4 TQ
6 x 8 mm	22	44	27	78	ESN 6 TQ	ES 6 TQ
8 x 10 mm	22	48	27	83	ESN 8 TQ	ES 8 TQ
9 x 12 mm	22	48	27	85	ESN 9 TQ	ES 9 TQ



Couplings with squeeze nut and spring guard

For Hose	Hexagon	l	d	Weight/pc g	Type No. nickel plated	Type No. blank
4 x 6 mm	22	130	27	85	ESN 4 TQF	ES 4 TQF
5 x 8 mm	22	130	27	88		ES 58 TQF
6 x 8 mm	22	130	27	90	ESN 6 TQF	ES 6 TQF
6.5 x 10 mm	22	130	27	95		ES 6510 TQF
8 x 10 mm	22	140	27	120	ESN 8 TQF	ES 8 TQF
8 x 12 mm	22	140	27	130		ES 812 TQF
9 x 12 mm	22	140	27	141	ESN 9 TQF	ES 9 TQF



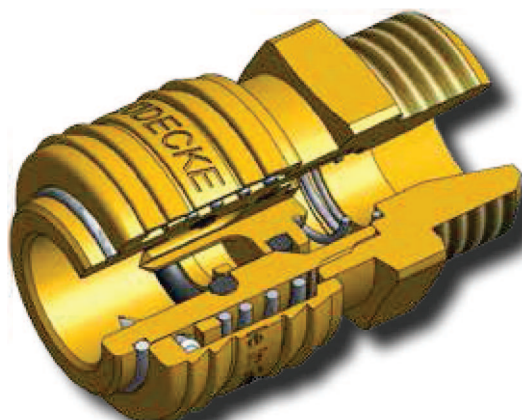
Bulkhead couplings

Hose i. D.	Hexagon	l	d	Stem Length	Thread	Thread Length	nut		Weight/pc. g	Type No.
							Hex	b		
6 mm	22	62	27	17	M 12 x 1	14	17	4		ES 6 TSV
8 mm	22	62	27	17	M 12 x 1	14	17	4		ES 8 TSV
10 mm	22	70	27	25	M 14 x 1	14	19	4		ES 10 TSV

For hose clips type HS (© catalogue page 53 / 54), type ZOS (© catalogue page 52) or crimping ferrules type LPH (© catalogue page 55)

Extra charge for coupling's sealing ring of : EPDM
FKM

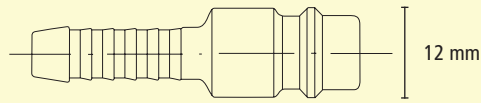
Special executions (© catalogue page 181) on request.



Standard Quick-Disconnect Couplings

Series ES one-way shut-off

DN7.2



Plug profile original size

Plugs with male thread

Thread	Hex. I	Thread L.	Plug L.	Material	Weight/pc. g	Type No. nickel	Typ No. blank
G 1/8"	13 31	7	20	MS 58	17	ESN 18 NA	ES 18 NA
G 1/4"	17 33	9	20	MS 58	21	ESN 14 NA	ES 14 NA
G 3/8"	19 33	9	20	MS 58	26	ESN 38 NA	ES 38 NA
G 1/2"	24 35	10	20	MS 58	41	ESN 12 NA	ES 12 NA
M 14 x 1.5	17 33	9	20	MS 58	26		ES 1415 NA
M 16 x 1.5	19 33	9	20	MS 58	32		ES 1615 NA
M 18 x 1.5	22 34	10	20	MS 58	36		ES 1815 NA
G 1/8"	13 31	7	20	steel	15		ES 18 NAS
G 1/4"	17 33	9	20	steel	19		ES 14 NAS
G 3/8"	19 33	9	20	steel	24		ES 38 NAS
G 1/2"	24 36	10	20	steel	39		ES 12 NAS

Male thread sealing with PVC-packing rings type HPD (© catalogue page 25)

Plugs with female thread

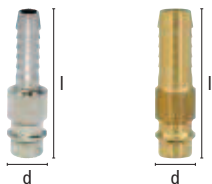
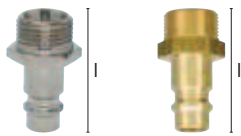
Thread	Hex. I	Thread L.	Plug L.	Material	Weight/pc. g	Type No. nickel plated	Typ No blank
G 1/8"	13 31	9	20	MS 58	16	ESN 18 NI	ES 18 NI
G 1/4"	17 33	10	20	MS 58	24	ESN 14 NI	ES 14 NI
G 3/8"	19 33	10	20	MS 58	23	ESN 38 NI	ES 38 NI
G 1/2"	24 35	12	20	MS 58	38	ESN 12 NI	ES 12 NI
M 14 x 1.5	17 33	11	20	MS 58	25		ES 1415 NI
M 16 x 1.5	19 33	11	20	MS 58	36		ES 1615 NI
M 18 x 1.5	22 35	12	20	MS 58	43		ES 1815 NI
G 1/8"	13 31	9	20	steel	15		ES 18 NIS
G 1/4"	17 33	10	20	steel	22		ES 14 NIS
G 3/8"	19 33	10	20	steel	21		ES 38 NIS
G 1/2"	24 35	12	20	steel	35		ES 12 NIS

Plugs with hose stem

Hose i.D.	I	d	Stem L.	Plug L.	Material	Weight/pc. g	Type No. nickel plated	Typ No blank
4 mm	44	12	22,5	20	MS 58	10	ESN 4 S	ES 4 S
6 mm	44	12	24	20	MS 58	14	ESN 6 S	ES 6 S
8 mm	44	12	24	20	MS 58	18	ESN 8 S	ES 8 S
9 mm	44	12	24	20	MS 58	17	ESN 9 S	ES 9 S
10 mm	47	12	26	20	MS 58	21		ES 10 SH*
10 mm	44	12	23	20	MS 58	19	ESN 10 S	ES 10 S
13 mm	47	15	26	20	MS 58	26		ES 13 SH*
13 mm	44	15	23	20	MS 58	24	ESN 13 S	ES 13 S
6 mm	44	12	24	20	steel	13		ES 6 SS
8 mm	44	12	24	20	steel	18		ES 8 SS
9 mm	44	12	24	20	steel	16		ES 9 SS
13 mm	44	15	23	20	steel	26		ES 13 SS

For hose clips type HS (© catalogue page 53 / 54), type ZOS (© catalogue page 52) or crimping ferrules type LPH (© catalogue page 55)

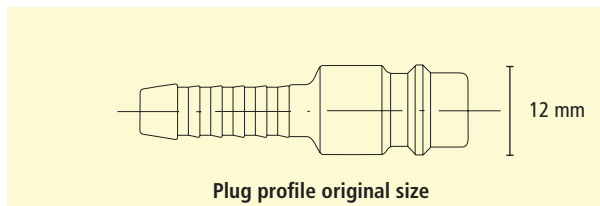
*ES10TH and ES13TH for the use of quick-fit hoses (e.g. Parker Push-lock, Gates Lock-on)



Standard Quick-Disconnect Couplings

one-way shut-off **Series ES**

DN7.2



Plugs with squeeze nut

For Hose	Hexagon	l	Plug L.	Material	Weight/pc. g	Typ No nickel plated.	Typ No blank
4 x 6 mm	-	34	20	MS 58	18	ESN 4 SQ	ES 4 SQ
6 x 8 mm	-	34	20	MS 58	19	ESN 6 SQ	ES 6 SQ
8 x 10 mm	17	43	20	MS 58	38	ESN 8 SQ	ES 8 SQ
9 x 12 mm	17	43	20	MS 58	36	ESN 9 SQ	ES 9 SQ

Plugs with squeeze nut and spring guard

For Hose	Hexagon	l	Plug L.	Material	Weight/pc. g	Typ No nickel plated.	Typ No blank
4 x 6 mm	-	115	20	MS 58	30	ESN 4 SQF	ES 4 SQF
5 x 8 mm	17	115	20	MS 58	34		ES 58 SQF
6 x 8 mm	-	115	20	MS 58	37	ESN 6 SQF	ES 6 SQF
6.5 x 10 mm	17	115	20	MS 58	48		ES 6510 SQF
8 x 10 mm	17	132	20	MS 58	83	ESN 8 SQF	ES 8 SQF
8 x 12 mm	17	132	20	MS 58	84		ES 812 SQF
9 x 12 mm	17	132	20	MS 58	86	ESN 9 SQF	ES 9 SQF

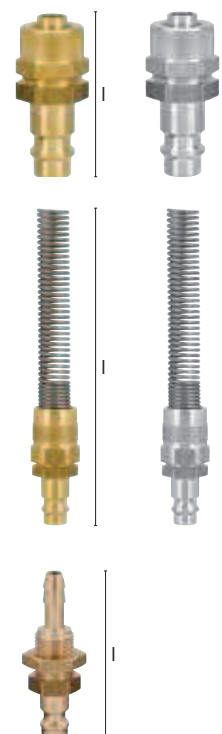
Bulkhead plugs

Hose i.	D.	Hexagon	l	d	Stem Length	Thread	Thread Length	nut		Weight/pc. g	Type No.
								Hex	b		
6 mm	14	56	17	17	M 12 x 1	14	17	4	30	ES 6 SSV	
8 mm	17	56	17	17	M 12 x 1	14	17	4	35	ES 8 SSV	
10 mm	17	56	17	17	M 14 x 1	14	19	4	42	ES 10 SSV	

For hose clips type HS (© catalogue page 53 / 54), type ZOS (© catalogue page 52)

or crimping ferrules type LPH (© catalogue page 55)

Special executions on request.

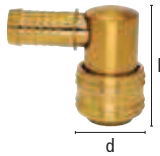


Check valves for all plug types to avoid the "whip-lash-effect" during disconnection by controlled automatic air-relief of the hose line available on request!

Standard Quick-Disconnect Couplings

Series ES with angle hose stem, one-way shut-off

DN 7.2



Couplings with hose stem 45°

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	44	27	27	100	ES 6 T-45
9 mm	44	27	27	100	ES 9 T-45
13 mm	44	27	30	110	ES 13 T-45

For hose clips type HS (☺ catalogue page 53 / 54), type ZOS (☺ catalogue page 52) or crimping ferrules type LPH (☺ catalogue page 55)

Couplings with hose stem 90°

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	44	27	26	105	ES 6 T-90
9 mm	44	27	26	105	ES 9 T-90
13 mm	44	27	28	115	ES 13 T-90

For hose clips type HS (☺ catalogue page 53 / 54), type ZOS (☺ catalogue page 52) or crimping ferrules type LPH (☺ catalogue page 55)

Angle-Thread Couplings available on request.

Distributors for Quick-Disconnect Couplings

of brass MS 58, for compressed air distribution on central places

Distribution Blocks of aluminium und stainless steel (☺ catalogue page 125)

3-Way-Distributors with female thread

Thread	DN	l	d	Weight/pc. g	☺	Type No.
3 x G 3/8"	15	46	26	93	5	DWS 38
3 x G 1/2"	19	50	27.5	100	5	DWS 12

3-Way-Distributors with quick disconnect couplings DN 7,2 assembled

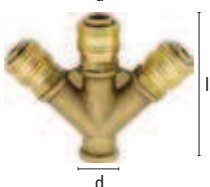
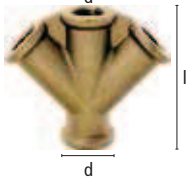
Inlet	Outlet	DN	l	d	Weight/pc. g	☺	Type No.
G 3/8" female	2 x ES 38 A	7.2	67	26	241	1	DWS 38 ES
G 1/2" female	2 x ES 12 A	7.2	69	27.5	275	1	DWS 12 ES

4-Way-Distributors with female thread

Thread	DN	l	d	Weight/pc. g	☺	Type No.
4 x G 3/8"	15	61	26	191	5	VWS 38
4 x G 1/2"	19	59.5	27.5	170	5	VWS 12

4-Way-Distributors with quick disconnect couplings DN 7,2 assembled

Inlet	Outlet	DN	l	d	Weight/pc. g	☺	Type No.
G 3/8" female	3 x ES 38 A	7.2	92	26	417	1	VWS 38 ES
G 1/2" female	3 x ES 12 A	7.2	91	27.5	435	1	VWS 12 ES



Standard Quick-Disconnect Couplings

with free passage (without valve) **Series ES**

DN7.2

- To be connected with standard plugs DN 7,2 (☺ catalogue page 164/165)
- 2-way free passage for optimum flow capacity, particularly for the application with water or other liquids

Max. Working Pressure	Temperature	Medium	DN	Thread	Flow Capacity	One-Hand	Shut-Off	Norm	Area	
PN 35 bar	-20°C – +100°C	liquids	7,2	ISO 228	1500 L/min	yes	no	Eur.Standard	world-wide	10

Couplings with male thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No. nickel plated	Type No. blank
G 1/4"	22	40	27	9	73	ESN 14 AO	ES 14 AO
G 3/8"	22	41	27	9	76	ESN 38 AO	ES 38 AO
G 1/2"	24	41	27	10	87	ESN 12 AO	ES 12 AO

Male thread sealing with PVC-packing rings type HPD (☺ catalogue page 25)

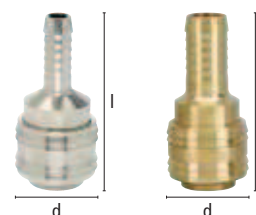
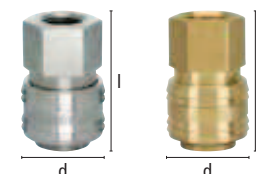
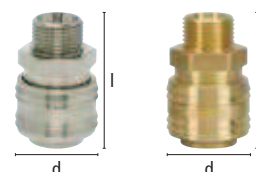
Couplings with female thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No. nickel plated	Type No. blank
G 1/4"	22	41	27	10,5	92	ESN 14 IO	ES 14 IO
G 3/8"	22	41	27	10,5	85	ESN 38 IO	ES 38 IO
G 1/2"	24	42,5	27	12	87	ESN 12 IO	ES 12 IO

Couplings with hose stem

Hose i. D.	l	d	Stem Length	Weight/pc. g	Type No. nickel plated	Type No. blank
6 mm	55	27	25	64	ESN 6 TO	ES 6 TO
9 mm	55	27	25	68	ESN 9 TO	ES 9 TO
13 mm	55	27	25	75	ESN 13 TO	ES 13 TO

For hose clips type HS (☺ catalogue page 53 / 54), type ZOS (☺ catalogue page 52) or crimping ferrules type LPH (☺ catalogue page 55)



Standard Quick-Disconnect Couplings

Series ES two-way shut off

DN 7.2

- Universal Quick-Disconnect Couplings of brass MS 58
- 2-way shut-off to avoid the escape of medium when disconnecting. Robust, safe and reliable
- **Attention: Couplings can be connected with non-shut-off plugs DN 7.2, but shut-off plugs cannot be connected with standard couplings DN 7.2!**
- Several fields of application, above all for liquid mediums in construction, control technology, switchboard cooling etc

Materials

- Connections, Sleeve, Valve body, Valve, Plugs: brass MS 58
- Springs, Retaining rings, Pins: stainless steel 1.4310
- O-Rings: Perbunan

Extra charge for sealing rings of: EPDM, FKM

Max. Working Pressure	Temperature	Medium	DN	Thread	Norm	Fl. capacity	One-Hand	Shut-off	Area	
PN 35 bar	-20°C – +100°C	divers	7,2	ISO228 / DIN 13	EU Standard	800 L/min	yes	2-way	worldwide	10

Couplings with male Thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	40	27	9	73	ES 14 AAB
G 3/8"	22	41	27	9	76	ES 38 AAB
G 1/2"	24	41	27	10	87	ES 12 AAB
M 16 x 1,5	22	40	27	9	78	ES 1615 AAB
M 18 x 1,5	22	41	27	10	82	ES 1815 AAB

Male thread sealing with PVC-packing rings type HPD (© catalogue page 25)

Couplings with female Thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	41	27	10.5	92	ES 14 IAB
G 3/8"	22	41	27	10.5	85	ES 38 IAB
G 1/2"	24	42.5	27	12	87	ES 12 IAB
M 16 x 1,5	22	41.5	27	11	85	ES 1615 IAB
M 18 x 1,5	22	42.5	27	12	86	ES 1815 IAB

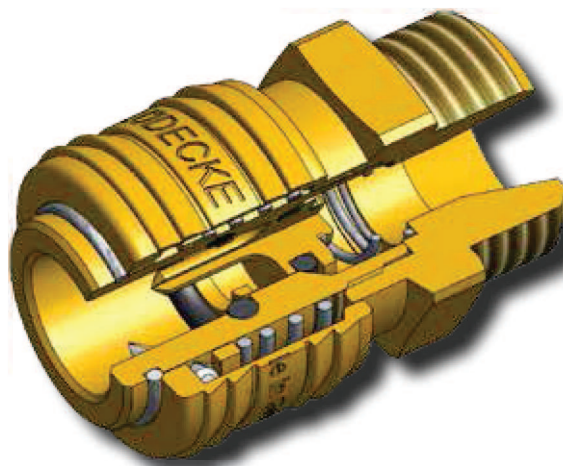
Couplings with hose stem



Hose i. D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	55	27	25	64	ES 6 TAB
9 mm	55	27	25	68	ES 9 TAB
13 mm	55	27	25	75	ES 13 TAB

For hose clips type HS (© catalogue page 53 / 54), type ZOS (© catalogue page 52)

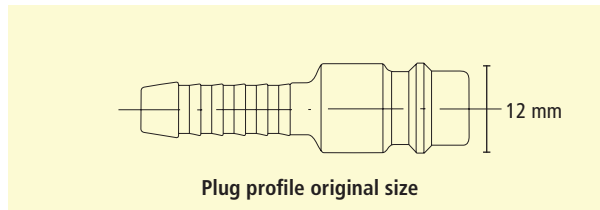
or crimping ferrules type LPH (© catalogue page 55)



Standard Quick-Disconnect Couplings

two-way shut-off **Series ES**

DN7.2



Plugs with male thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/4"	22	43	9	20	45	ES 14 NAAB
G 3/8"	22	44	10	20	48	ES 38 NAAB
G 1/2"	24	44	10	20	60	ES 12 NAAB
M 16 x 1.5	22	43	9	20	46	ES 1615 NAAB
M 18 x 1.5	22	44	10	20	47	ES 1815 NAAB

Male thread sealing with PVC-packing rings type HPD (© catalogue page 25)



Plugs with female thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/4"	22	44	10.5	20	64	ES 14 NIAB
G 3/8"	22	44	10.5	20	57	ES 38 NIAB
G 1/2"	24	44.5	12	20	62	ES 12 NIAB
M 16 x 1.5	22	43.5	11	20	60	ES 1615 NIAB
M 18 x 1.5	22	44.5	12	20	60	ES 1815 NIAB



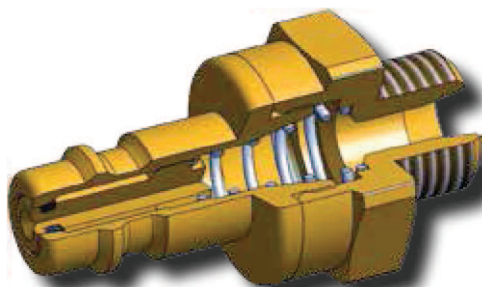
Plugs with hose stem

Hose i. D.	Hexagon	l	Stem Length	Plug Length	Weight/pc. g	Type No.
6 mm	22	58	25	20	34	ES 6 SAB
9 mm	22	58	25	20	38	ES 9 SAB
13 mm	24	58	25	20	44	ES 13 SAB

For hose clips type HS (© catalogue page 53 / 54), type ZOS (© catalogue page 52)
or crimping ferrules type LPH (© catalogue page 55)



Further dimensions on request!



Quick-Disconnect Couplings

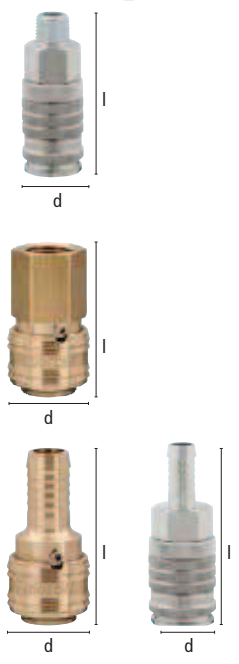
Series ES and Series ESI with disconnect protection – one-way shut off

DN 7.2

DN 7.8



- Simple and effective protection against accidental disconnection by swivelling the sleeve for DN 7.2 and screwing a lock nut for DN 7.8
- Disconnecting is only possible when the locking pin exactly snaps in the sleeve's cutout for DN 7,2 or by opening the lock nut for DN 7,8
- To be coupled with standard plugs DN 7,2 (☉ catalogue page 164 / 165) and DN 7.8 (☉ catalogue page 171)
- For the application of compressed air or liquid mediums, e.g. for drane clean-up and renovation



Max. Working Pressure	Temperature	Medium	DN	Thread	Flow Capacity	One-Hand	Shut-Off	Norm	Area	☉
PN 35 bar	-20°C – +100°C	air etc.	7,2+7,8	ISO 228/DIN ISO 2999	1100/1800 L/min	yes	1-way	Eur.Standard	World-wide	10/5

Couplings with male thread

Thread	Hexagon	l	d	Thread Length	DN	Weight/pc. g	☉	Type No.
G 1/4"	22	40	27	9	7,2	73	10	ES 14 AS
R 1/4"	19	60	23	11	7,8	98	5	ESI 14 AM

Couplings with female thread

Thread	Hexagon	l	d	Thread Length	DN	Weight/pc. g	☉	Type No.
G 1/4"	22	40	27	9	7,2	94	10	ES 14 IS

Couplings with hose stem

Hose i. D	Hexagon	l	d	Stem Length	DN	Weight/pc. g	☉	Type No.
9 mm	19	73	23	25	7,8	98	5	ESI 9 TM
13 mm	without	55	27	25	7,2	77	10	ES 13 TS

For hose clips type HS (☉ catalogue page 53 /54), type ZOS (☉ catalogue page 52) or crimping ferrules type LPH (☉ catalogue page 55)
Special executions on request.

Flow-Capacity Diagram

LUDECKE Quick-Disconnect Couplings

one-way shut-off

