



Quick-Disconnect Couplings

For quick, easy to handle and safe connection of tools or hoses for compressed air and other fluids quick disconnect couplings in different dimensions (according to requirements) are used.

This system consists of coupling and plug, where all connections in one dimensional system are interchangeable. Simple pulling-in of the plug connects, removing of the plug by pulling the coupling sleeve back (with automatic locking of the coupling).



Content

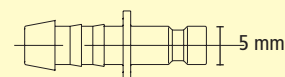
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Micro Quick-Disconnect Couplings DN 2,7

one-way shut-off

New!

- High quality couplings with smallest dimensions of brass nickel plated
- On request also available with red or blue anodised aluminium sleeve
- Multiple applications in pneumatic-, measure-, control- and regulation technique



Plug profile original size

Materials

- Connections, Sleeve, Valve body, Valve: MS 58 nickel plated, ball holder: chemically nickel-plated
- Spring, Retaining ring, Balls: stainless steel
- O-Rings: Perbunan
- Plugs: MS 58 nickel plated

Max. Working Pressure	Temperature	Threads	DN	Flow Capacity	One-Hand	Shut-Off	Medium	Area	
PN 35 bar	-20°C – +100°C	ISO 228 / DIN 13	2,7	160 L/min	yes	1-way	air a.o.	Europe	10



Couplings with male thread

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

Couplings with female thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
M 5	9	26	10	5	10	ESMC 5 I
G 1/8"	12	28	10	7	14	ESMC 18 I

Couplings with hose stem

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

For hose clips type ZOS (© catalogue page 48) or type HS (© catalogue page 49/50)

Couplings with squeeze nut

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

Plugs with male thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
M 5	7	18	5	10	3	ESMC 5 NA
G 1/8"	11	20	7	10	6	ESMC 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	ESMC 5 NI
G 1/8"	12	19	7	10	6	ESMC 18 NI

Plugs with hose stem

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

For hose clips type ZOS (© catalogue page 48) or type HS (© catalogue page 49/50)

Plugs with squeeze nut

For Hose	Hexagon	l	Plug Length	Weight/pc. g	Type No.
3 x 4	7	25	10	12	ESMC 34 SQ
3 x 5	7	25	10	12	ESMC 3 SQ
4 x 6	7	25	10	12	ESMC 4 SQ

Special executions (© catalogue page 157) on request.

New!

New!



Mini Quick-Disconnect Couplings DN 5

one-way shut-off



- Miniatur Couplings with small dimensions of brass blank or nickel plated
- Other sealing material on request
- Multiple applications in pneumatic, compressed air lines, measure-, control- and regulation technique

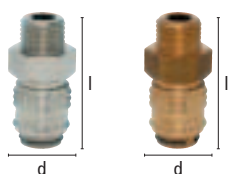
Materials

- Connections, Sleeve, Valve body, Valve: MS 58 resp. M58 nickel-plated
- Spring, Retaining ring, Balls: stainless steel
- O-Rings: Perbunan
- Plugs: MS 58 resp. steel zinc plated and yellow passivated (free of chrome VI)
- Coloured and anodised aluminium sleeves on request

New!

Max. Working Pressure	Temperature	Threads	DN	Flow Capacity	One-Hand	Shut-Off	Medium	Area	
PN 35 bar	-20°C – +100°C	ISO 228 / DIN 13	5	560 L/min	yes	1-way	air a.o.	Europe	10

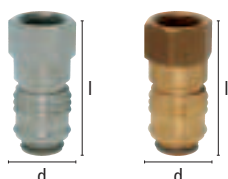
Couplings with male thread



Thread	Hexagon	I	d	Thread Length	Weight/pc. g	Type No. nickel plated	Type No. MS blank
G 1/8"	14	37	17	7	27	ESMN 18 A	ESM 18 A
G 1/4"	17	38	17	9	36	ESMN 14 A	ESM 14 A
G 3/8"	19	38	17	9	43	ESMN 38 A	ESM 38 A
M 10 x 1	14	37	17	7	35	ESMN 101 A	ESM 101 A
M 12 x 1.5	17	39	17	10	37	ESMN 121 A	ESM 121 A
M 14 x 1.5	17	39	17	10	37	ESMN 141 A	ESM 141 A

Male thread sealing with PVC-packing rings type HPD (☺ catalogue page 23)

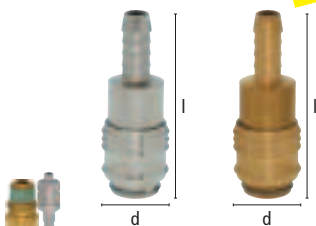
Couplings with female thread



Thread	Hexagon	I	d	Thread Length	Weight/pc. g	Type No. nickel plated	Type No. MS blank
G 1/8"	14	37	17	9	32	ESMN 18 I	ESM 18 I
G 1/4"	17	38	17	9	38	ESMN 14 I	ESM 14 I
G 3/8"	19	47	17	10.5	39	ESMN 38 I	ESM 38 I
M 10 x 1	14	38	17	9	36	ESMN 101 I	ESM 101 I
M 12 x 1.5	17	38	17	9	39	ESMN 121 I	ESM 121 I
M 14 x 1.5	17	38	17	9	37	ESMN 141 I	ESM 141 I

Couplings with hose stem

New!

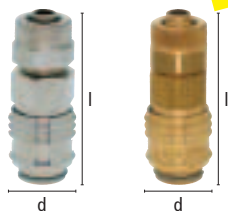


Hose i.D.	I	d	Stem Length	Weight/pc. g	Type No. nickel plated	Type No. MS blank
4 mm	47	17	17	27	ESMN 4 T	ESM 4 T
5 mm	46	17	17	27	ESMN 5 T	ESM 5 T
6 mm	46	17	17	27	ESMN 6 T	ESM 6 T
8 mm	46	17	17	29	ESMN 8 T	ESM 8 T
9 mm	46	17	17	29	ESMN 9 T	ESM 9 T

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 54)

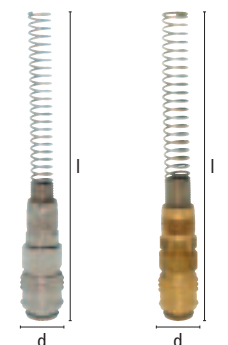
Couplings with squeeze nut, rigid and swivelling

New!



For Hose	Hexagon	I	d	Weight/pc. g	Type No. nickel plated	Type No. MS blank	
3 x 5 mm	14	42	17	rigid	30	ESMN 35 TQ	ESM 35 TQ
4 x 6 mm	14	42	17	rigid	32	ESMN 4 TQ	ESM 4 TQ
4 x 6 mm	14	60	17	swivelling	40	ESMN 4 TQDR	ESM 4 TQDR
6 x 8 mm	14	42	17	rigid	34	ESMN 6 TQ	ESM 6 TQ
6 x 8 mm	14	60	17	swivelling	42	ESMN 6 TQDR	ESM 6 TQDR

Couplings with squeeze nut and spring guard, rigid and swivelling



For Hose	Hexagon	I	d	Weight/pc. g	Type No. nickel plated	Type No. MS blank	
3 x 5 mm	14	120	17	rigid	35	ESMN 35 TQF	ESM 35 TQF
4 x 6 mm	14	120	17	rigid	39	ESMN 4 TQF	ESM 4 TQF
4 x 6 mm	14	144	17	swivelling	48	ESMN 4 TQFDR	ESM 4 TQFDR
6 x 8 mm	14	120	17	rigid	44	ESMN 6 TQF	ESM 6 TQF
6 x 8 mm	14	144	17	swivelling	55	ESMN 6 TQFDR	ESM 6 TQFDR

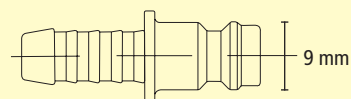
Special executions (☺ catalogue page 157) on request.

New!

Mini Quick-Disconnect Couplings DN 5

one-way shut-off

- ⓘ All couplings also available with free passage against a surcharge of Euro 0.80/pc.
Simply add on standard type number the affix -O- (f. e. ESM 6 TO).
Minimum quantity 50 pc/type



Plug Profile (original size)

Bulkhead couplings

Hose i.D.	Hex.	I	d	Stem Length	Thread	Thread Length	Hex.	b	Weight/pc. g	Type No.
4 mm	14	60	17	17	M 10 x 1	14	14	4	40	ESM 4 TSV
6 mm	17	60	17	17	M 12 x 1	14	17	4	45	ESM 6 TSV
9 mm	17	60	17	17	M 14 x 1	14	19	4	47	ESM 9 TSV

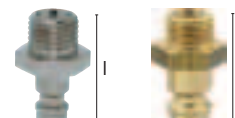
For hose clips type HS (☹ catalogue page 49/50), type ZOS (☹ catalogue page 48)
or crimping sockets type LPH (☹ catalogue page 51)



Plugs with male thread

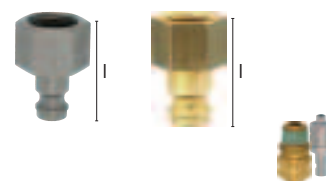
Thread	Hexagon	I	Thread L	Plug L	Material	Weight/pc. g	Type No. nick. plat	Type No. blank
G 1/8"	13	25	7	13.5	MS 58	11	ESMN 18 NA	ESM 18 NA
G 1/4"	17	27.5	9	13.5	MS 58	18	ESMN 14 NA	ESM 14 NA
G 3/8"	19	27.5	9	13.5	MS 58	21	ESMN 38 NA	ESM 38 NA
M 10 x 1	13	26	8	13.5	MS 58	11	ESMN 101 NA	ESM 101 NA
M 12 x 1,5	17	28.5	10	13.5	MS 58	18	ESMN 121 NA	ESM 121 NA
M 14 x 1,5	17	28.5	10	13.5	MS 58	19	ESMN 141 NA	ESM 141 NA
G 1/8"	13	25	7	13.5	steel	10		ESM 18 NAS
G 1/4"	17	27.5	9	13.5	steel	16		ESM 14 NAS

Male thread sealing with PVC-packing rings type HPD (☹ catalogue page 23)



Plugs with female thread

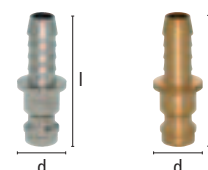
Thread	Hexagon	I	Thread L	Plug L	Material	Weight/pc. g	Type No. nick. plat.	Type No. blank
G 1/8"	13	25	9	13.5	MS 58	12	ESMN 18 NI	ESM 18 NI
G 1/4"	17	26	10	13.5	MS 58	18	ESMN 14 NI	ESM 14 NI
G 3/8"	19	26.5	10,5	13.5	MS 58	22	ESMN 38 NI	ESM 38 NI
M 6	12	22.5	8	13.5	MS 58	11	ESMN 6 NI	ESM 6 NI
M 8	12	24	10	13.5	MS 58	11	ESMN 8 NI	ESM 8 NI
M 10 x 1	13	22.5	7	13.5	MS 58	10	ESMN 101 NI	ESM 101 NI
M 12 x 1,5	17	25	9	13.5	MS 58	19	ESMN 121 NI	ESM 121 NI
M 14 x 1,5	17	25	9	13.5	MS 58	17	ESMN 141 NI	ESM 141 NI
G 1/8"	13	25	9	13.5	steel	11		ESM 18 NIS
G 1/4"	17	26	10	13.5	steel	17		ESM 14 NIS



Plugs with hose stem

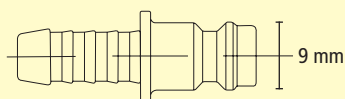
Hose i.D.	I	d	Stem Length	Plug L.	Material	Weight/pc. g	Type No. nick. plat..	Type No. blank
4 mm	32	9	16.5	13.5	MS 58	7	ESMN 4 S	ESM 4 S
5 mm	32	12	16.5	13.5	MS 58	8	ESMN 5 S	ESM 5 S
6 mm	32	12	16.5	13.5	MS 58	8	ESMN 6 S	ESM 6 S
8 mm	32	12	16.5	13.5	MS 58	12	ESMN 8 S	ESM 8 S
9 mm	38	12	23	13.5	MS 58	11	ESMN 9 S	ESM 9 S
4 mm	32	9	16.5	13.5	steel	6		ESM 4 SS
6 mm	32	12	16.5	13.5	steel	7		ESM 6 SS

For hose clips type HS (☹ catalogue page 49/50), type ZOS (☹ catalogue page 48)
or crimping sockets type LPH (☹ catalogue page 51)



Mini Quick-Disconnect Couplings DN 5

one-way shut-off



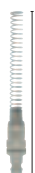
Plug Profile (original size)



New!

Plugs with squeeze nut

for Hose i. D	Stem L.	I	Plug L.	Material	Weight/pc. g	Type No. nickel plated	Type No. blank
3 x 5 mm	12	32	13,5	MS 58	14	ESMN 35 SQ	ESM 35 SQ
4 x 6 mm	12	32	13,5	MS 58	16	ESMN 4 SQ	ESM 4 SQ
6 x 8 mm	14	32	13,5	MS 58	23	ESMN 6 SQ	ESM 6 SQ



New!

Plugs with squeeze nut and spring guard

for Hose	Hex.	I	Plug L.	Material	Weight/pc. g	Type No. nickel plated	Type No. blank
3 x 5 mm	12	110	13,5	MS 58	24	ESMN 35 SQF	ESM 35 SQF
4 x 6 mm	12	110	13,5	MS 58	26	ESMN 4 SQF	ESM 4 SQF
6 x 8 mm	14	110	13,5	MS 58	29	ESMN 6 SQF	ESM 6 SQF



New!

Bulkhead plugs

for Hose i. D	Hex.	I	Stem Length	Thread	Thread Length	nut Hex.	b	Weight/pc. g	Type No.
4 mm	14	50	17	M 10 x 1	14	14	4	20	ESM 4 SSV
6 mm	14	50	17	M 12 x 1	14	17	4	25	ESM 6 SSV
9 mm	17	50	17	M 14 x 1	14	19	4	30	ESM 9 SSV

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)
or crimping sockets type LPH (© catalogue page 51)



New!

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!

Mini-Quick Disconnect Couplings DN 5

with plug and colour codification

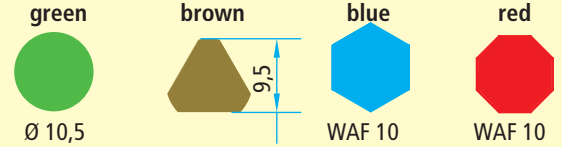
New!

- Mini Quick-Disconnect Couplings of brass MS 58
- For the optical distinction of different medium circulations with coloured and anodised aluminium sleeve on the coupling and coloured and anodised aluminium ring on the plug
- For the absolute avoidance of wrong coupling operations when using different mediums with supplementary plug codification. Only the same-coloured couplings and plugs can be connected.

Materials

- Connections, valve body, valve: brass MS 58
- Sleeve: aluminium anodised
- Springs, retaining rings, balls: stainless steel
- O-Rings: Perbunan, others on request
- Plugs: brass MS 58 with anodised aluminium ring

Plug and colour codification in original size



WAF = width across flat

Max. Working Pressure	Temperature	Thread	DN	Flow Capacity	One Hand	Shut-off	Medium	Area	
PN 35 bar	-20°C – +100°C	ISO 228	5	560 L/min	yes	1-way	divers.	Europe	10

Couplings with male thread

Thread	Hexag.	I	d	Thread L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
G 1/8"	14	47	16	7	35	ESMK18AG	ESMK18ABR	ESMK18ABL	ESMK18AR
G 1/4"	17	49	16	9	44	ESMK14AG	ESMK14ABR	ESMK14ABL	ESMK14AR

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)

Couplings with female thread

Thread	Hexag.	I	d	Thread L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
G 1/8"	14	47	16	7	40	ESMK18IG	ESMK18IBR	ESMK18IBL	ESMK18IR
G 1/4"	17	49	16	9	46	ESMK14IG	ESMK14IBR	ESMK14IBL	ESMK14IR

Couplings with hose stem

Hose i.D.	Hexag.	I	d	Stem L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
6 mm	14	69	16	17	35	ESMK6TG	ESMK6TBR	ESMK6TBL	ESMK6TR
9 mm	14	69	16	17	37	ESMK9TG	ESMK9TBR	ESMK9TBL	ESMK9TR

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)

or crimping sockets type LPH (© catalogue page 51)

Plugs with male thread

Thread	Hexag.	I	Thread L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
G 1/8"	17	39	7	15	ESMK18NAG	ESMK18NABR	ESMK18NABL	ESMK18NAR
G 1/4"	17	41	9	25	ESMK14NAG	ESMK14NABR	ESMK14NABL	ESMK14NAR

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)

Plugs with female thread

Thread	Hexag.	I	Thread L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
G 1/8"	17	38	5	15	ESMK18NIG	ESMK18NIBR	ESMK18NIBL	ESMK18NIR
G 1/4"	17	40	7	25	ESMK14NIG	ESMK14NIBR	ESMK14NIBL	ESMK14NIR

Plugs with hose stem

Hose i.D.	I	d	Stem L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
6 mm	47	15	17	12	ESMK6SG	ESMK6SBR	ESMK6SBL	ESMK6SR
9 mm	47	15	17	15	ESMK9SG	ESMK9SBR	ESMK9SBL	ESMK9SR

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)

or crimping sockets type LPH (© catalogue page 51)

Bulkhead plugs

Hose i.D.	Hex	I	Stem L.	Thread.	Thread L.	Weight/pc. g	nut	
6 mm	17	63	17	M 12 x 1	14	40	SW 17	b 4
					Type No.	Type No.	Type No.	Type No.
					ESMK6SSVG	ESMK6SSVBR	ESMK6SSVBL	ESMK6SSVR

Extra charge for coupling's sealing ring of :

EPDM

Viton

New!

Mini Quick-Disconnect Couplings DN 5

two-way shut-off

New!

- Mini 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 5, but shut-off plugs cannot be connected with standard couplings DN 5!**
- Several fields of application, above all for liquid mediums in construction, control technology switchboard cooling etc.

Materials

- Connections, Sleeves, Valve body, Valves, Plugs: brass MS 58
- Spring, Retaining rings, Balls: stainless steel
- O-Rings: Perbunan

Extra charge for sealing rings of: EPDM 0.33 Euro, Viton 0.78 Euro

Max. Working Pressure	Temperature	Thread	DN	Flow Capacity	One-Hand	Shut-Off	Medium	Area	⊕
PN 35 bar	-20°C – +100°C	ISO 228 / DIN 13	5	450 L/min	yes	2-way	divers	Europe	10

Couplings with male thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/8"	14	37	17	7	27	ESM 18 AAB
G 1/4"	17	38	17	9	36	ESM 14 AAB
G 3/8"	19	38	17	9	43	ESM 38 AAB
M 10 x 1	14	37	17	7	35	ESM 101 AAB
M 12 x 1,5	17	39	17	10	37	ESM 121 AAB
M 14 x 1,5	17	39	17	10	37	ESM 141 AAB

Male thread sealing with PVC-packing rings type HPD (⊕ catalogue page 23)

Couplings with female thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/8"	14	37	17	9	32	ESM 18 IAB
G 1/4"	17	38	17	9	38	ESM 14 IAB
G 3/8"	19	47	17	10.5	39	ESM 38 IAB
M 10 x 1	14	38	17	9	34	ESM 101 IAB
M 12 x 1,5	17	38	17	9	39	ESM 121 IAB
M 14 x 1,5	17	38	17	9	37	ESM 141 IAB

Couplings with hose stem



Hose i. D.	l	d	Stem Length	Weight/pc. g	Type No.
4 mm	47	17	17	27	ESM 4 TAB
5 mm	46	17	17	27	ESM 5 TAB
6 mm	46	17	17	27	ESM 6 TAB
8 mm	46	17	17	29	ESM 8 TAB
9 mm	46	17	17	29	ESM 9 TAB

For hose clips type HS (⊕ catalogue page 49/50), type ZOS (⊕ catalogue page 48) or crimping sockets type LPH (⊕ catalogue page 51)

Couplings with squeeze nut



for hose	Hexagon	l	d	Weight/pc. g	Type No.
4 x 6 mm	14	42	17	32	ESM 4 TQAB
6 x 8 mm	14	42	17	34	ESM 6 TQAB

Couplings with squeeze nut and spring guard



for hose	Hexagon	l	d	Weight/pc. g	Type No.
4 x 6 mm	14	120	17	39	ESM 4 TQFAB
6 x 8 mm	14	120	17	44	ESM 6 TQFAB

Bulkhead Couplings

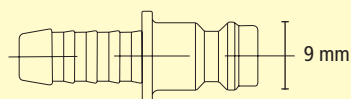


Hose i. D.	Hex.	l	d	Stem length	Thread	Thread length	nut		Weight/pc. g	Type No.
4 mm	14	60	17	17	M 10 x 1	14	Hex.	b	40	ESM 4 TSVAB
6 mm	17	60	17	17	M 12 x 1	14	17	4	45	ESM 6 TSVAB
9 mm	17	60	17	17	M 14 x 1	14	19	4	47	ESM 9 TSVAB

For hose clips type HS (⊕ catalogue page 49/50), type ZOS (⊕ catalogue page 48) or crimping sockets type LPH (⊕ catalogue page 51), special executions on request.

Mini Quick-Disconnect Couplings DN 5

2-way shut-off



Plug Profile (original size)

New!

Plugs with male thread

Thread	Hexagon	I	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/8"	13	40	7	13.5	26	ESM 18 NAAB
G 1/4"	17	42	9	13.5	35	ESM 14 NAAB
G 3/8"	19	42	9	13.5	42	ESM 38 NAAB
M 12 x 1,5	17	44	10	13.5	35	ESM 121 NAAB
M 14 x 1,5	17	44	10	13.5	36	ESM 141 NAAB

Thread sealing with PVC-packing rings type HPD (☺ catalogue page 23)

Plugs with female thread

Thread	Hexagon	I	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/8"	13	42	9	13.5	28	ESM 18 NIAB
G 1/4"	17	42	10	13.5	38	ESM 14 NIAB
G 3/8"	19	43.5	10.5	13.5	38	ESM 38 NIAB
M 12 x 1,5	17	42	9	13.5	37	ESM 121 NIAB
M 14 x 1,5	17	42	9	13.5	38	ESM 141 NIAB

Plugs with hose stem

For hose	I	d	Stem Length	Plug Length	Weight/pc. g	Type No.
4 mm	50	9	17	13.5	23	ESM 4 SAB
6 mm	50	12	17	13.5	23	ESM 6 SAB
8 mm	50	12	17	13.5	25	ESM 8 SAB
9 mm	50	12	17	13.5	25	ESM 9 SAB

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

Plugs with squeeze nut

For hose	Hexagon	I	Plug Length	Weight/pc. g	Type No.
4 x 6 mm	14	47	13.5	32	ESM 4 SQAB
6 x 8 mm	14	47	13.5	32	ESM 6 SQAB

Plugs with squeeze nut and spring guard

For hose	Hexagon	I	Plug Length	Weight/pc. g	Type No.
4 x 6 mm	14	135	13.5	40	ESM 4 SQFAB
6 x 8 mm	14	135	13.5	42	ESM 6 SQFAB

Bulkhead plugs

Hose i. D.	Hexagon	I	Stem Length	Thread	Thread Length	nut Hex	b	Weight/pc. g	Type No.
4 mm	14	64	17	M 10 x 1	14	14	4	45	ESM 4 SSVAB
6 mm	14	64	17	M 12 x 1	14	17	4	45	ESM 6 SSVAB
9 mm	14	64	17	M 12 x 1	14	19	4	45	ESM 9 SSVAB

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)



Standard Quick-Disconnect Couplings DN 7,2

one-way shut-off

- 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

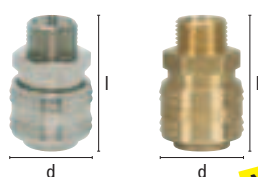
Materials

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

New!

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



New!

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

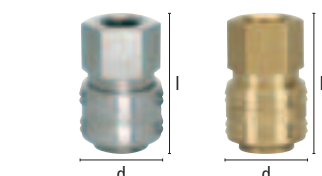
Male thread sealing with PVC-packing rings type HPD (☺ catalogue page 23)

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

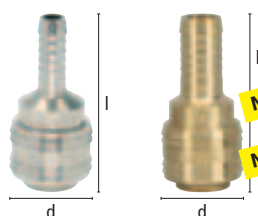
Couplings with female thread



New!

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



New!

New!

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

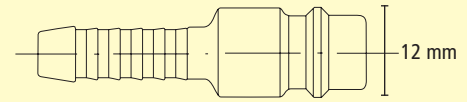
For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)

or crimping sockets type LPH (☺ catalogue page 51)

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

Standard Quick-Disconnect Couplings DN 7,2

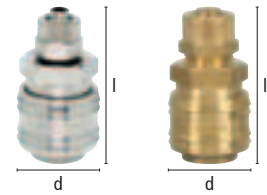
one-way shut-off



Plug profile original size

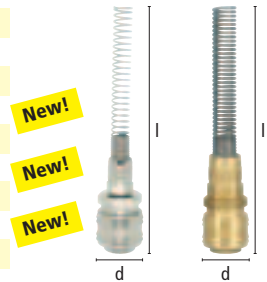
Couplings with squeeze nut

For Hose	Hexagon	I	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	I	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	I	d	Stem Length	Thread	Thread Length	nut Hex	b	Weight/pc. g	Type No.
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 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

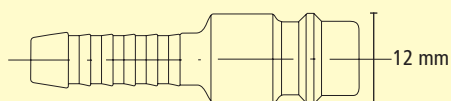
Extra charge for coupling's sealing ring of : **EPDM** Euro
Viton Euro

Special executions (☺ catalogue page 157) on request.

New!



Standard Quick-Disconnect Couplings DN 7,2



Plug profile original size



New!

Plugs with male thread

Thread	Hex.	I	Thread L.	Plug L.	Material	Weight/pc. g	Type No. nickel plated	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 23)

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

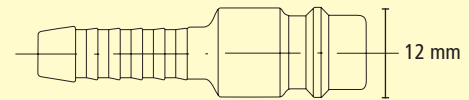
Plugs with hose stem

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 49/50), type ZOS (© catalogue page 48)
or crimping sockets type LPH (© catalogue page 51)

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

Standard Quick-Disconnect Couplings DN 7,2



Plug profile original size

Plugs with squeeze nut

For Hose	Hexagon	I	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

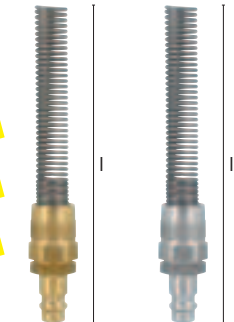
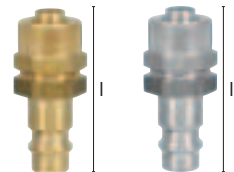
For Hose	Hexagon	I	Plug L.	Material	Weight/pc. g	Typ No nickel plated.	Typ No blank
4 x 6 mm	-	115	20	MS 58	30	ESN 4 SQF	ES 4 SQF
5 x 8 mm	17	115	20	MS 58	34		ES 58 SQF
6 x 8 mm	-	115	20	MS 58	37	ESN 6 SQF	ES 6 SQF
6.5 x 10 mm	17	115	20	MS 58	48		ES 6510 SQF
8 x 10 mm	17	132	20	MS 58	83	ESN 8 SQF	ES 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	I	d	Stem Length	Thread	Thread Length	nut Hex	b	Weight/pc. g	Type No.
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 49/50), type ZOS (© catalogue page 48)
or crimping sockets type LPH (© catalogue page 51)

Special executions on request.

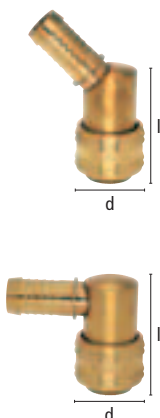


New!

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 DN 7,2

with angle hose stem, one-way shut-off



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 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

Couplings with hose stem 90°

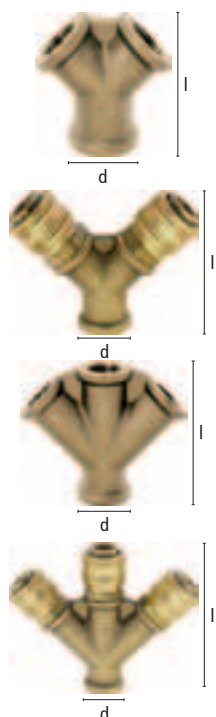
Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	44	27	26	105	ES 6 T-90
9 mm	44	27	26	105	ES 9 T-90
13 mm	44	27	28	115	ES 13 T-90

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

Angle-Thread Couplings available on request.

Distributors for Quick-Disconnect Couplings

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



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 DN 7,2

with free passage (without valve)

- To be coupled with standard plugs DN 7,2 (☹ catalogue page 138/139)
- 2-way free passage for optimum flow capacity, particularly for the application of water or other liquids

New!

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 23)

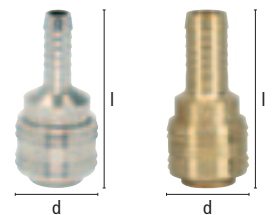
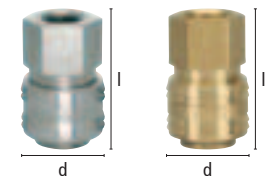
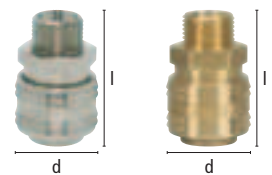
Couplings with female thread

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 49/50), type ZOS (☹ catalogue page 48)
or crimping sockets type LPH (☹ catalogue page 51)



Standard Quick-Disconnect Couplings DN 7,2

2-way shut off

New!

- 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
- O-Rings: Perbunan

Extra charge for sealing rings of: EPDM 0.33 Euro, Viton 0.78 Euro

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 23)

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	98	ES 9 TAB
13 mm	55	27	25	75	ES 13 TAB

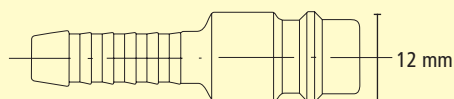
For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)

or crimping sockets type LPH (☺ catalogue page 51)



Standard Quick-Disconnect Couplings DN 7,2

2-way shut-off



Plug profile original size

New!

Plugs with male thread

Thread	Hexagon	I	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-packings rings type HPD (☺ catalogue page 23)



Plugs with female thread

Thread	Hexagon	I	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	I	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 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

Further dimensions on request!

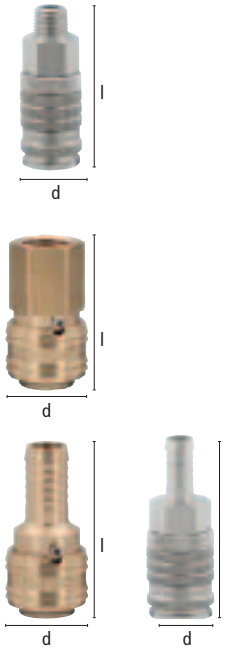


Quick-Disconnect Couplings DN 7,2 and DN 7,8

with disconnect protection, one-way shut-off

New!

- 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 138 / 139) and DN 7,8 (☉ catalogue page 145)
- 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

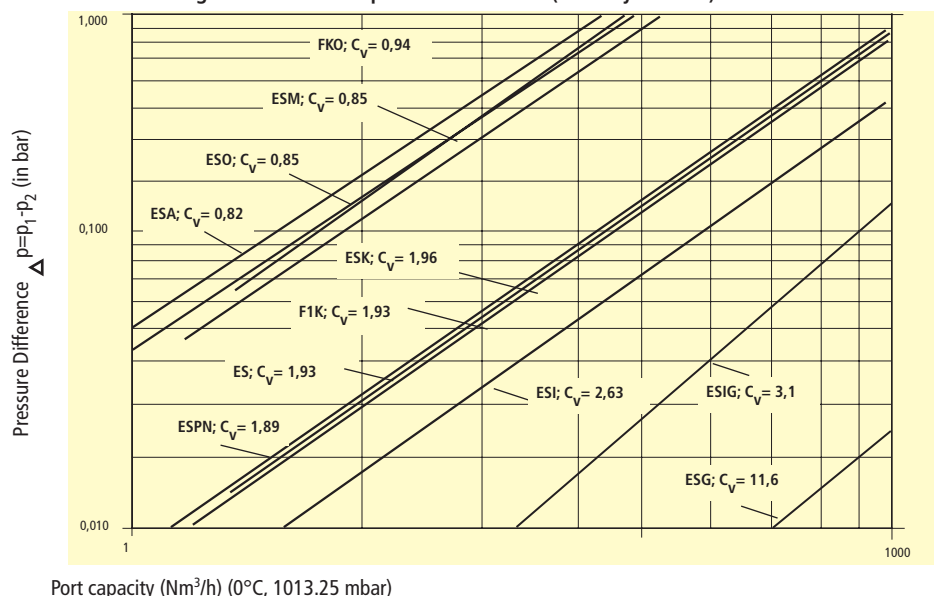
For hose clips type HS (☉ catalogue page 49/50), type ZOS (☉ catalogue page 48)
or crimping sockets type LPH (☉ catalogue page 51)
Special executions on request.

Flow-Capacity Diagram

LUDECKE Quick-Disconnect Couplings

one-way shut-off

Performance Diagram: Medium Compressed Air at 6 bar (one way shut-off)



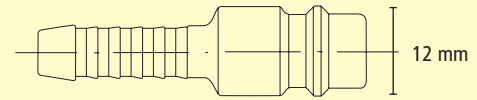
Industry Universal Quick-Disconnect Couplings DN 7,8

- High quality, extreme robust couplings with optimum sealing
- High flow capacity at low pressure drop because of stream favourable valve
- Special executions (© catalogue page 157) on request
- For compressed air lines in industry or garages, especially recommended directly at compressed air tools
- Universal principle – also interchangeable with plug profile ESA DN 5, ESO DN 5,5, ES DN7,2, ESPN DN 7,4 a.o.

New Execution!

Materials

- Connections, Valve body: MS 58 nickel plated
- Sleeve: Hardened steel nickel plated
- O-Rings: Perbunan
- Springs, Retaining ring, balls: stainless steel
- Plugs: Hardened steel nickel plated



Plug profile original size

Max. Work. Pressure	Temperature	Medium	DN	Threads	Norm	Flow Capacity	One-Hand	Shut-Off	Area	
PN 35 bar	-20°C – +100°C	compr. air	7,8	ISO228 / DIN2999	EU Standard	1800 L/min	yes	1-way	Europe	Coupl. 5 / Plug 10

Couplings with male thread tapered

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
R 1/4"	19	60	23	11	98	ESI 14 A
R 3/8"	19	61	23	12	97	ESI 38 A
R 1/2"	22	64	23	15	114	ESI 12 A



Couplings with female thread parallel

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	19	56	23	10	99	ESI 14 I
G 3/8"	19	56	23	10	92	ESI 38 I
G 1/2"	24	58	23	12	125	ESI 12 I



Couplings with hose stem

Hose i.D.	Hexagon	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	19	73	23	25	95	ESI 6 T
8 mm	19	73	23	25	97	ESI 8 T
9 mm	19	73	23	25	98	ESI 9 T
10 mm	19	73	23	25	97	ESI 10 T
13 mm	19	73	23	25	101	ESI 13 T



For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)
or crimping sockets type LPH (© catalogue page 51)

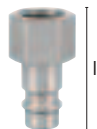
Plugs with male thread parallel

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/8"	13	33	9	20	14	ESI 18 NAS
G 1/4"	14	35	11	20	18	ESI 14 NAS
G 3/8"	17	36	12	20	23	ESI 38 NAS
G 1/2"	22	40	15	20	47	ESI 12 NAS



Plugs with female thread parallel

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/8"	13	32	9	20	16	ESI 18 NIS
G 1/4"	17	33	10	20	24	ESI 14 NIS
G 3/8"	19	33	10	20	25	ESI 38 NIS
G 1/2"	24	35	12	20	40	ESI 12 NIS



Plugs with hose stem

Hose i.D.	d	l	Stem Length	Plug Length	Weight/pc. g	Type No.
6 mm	12	44	24	20	13	ESI 6 SS
8 mm	12	44	24	20	18	ESI 8 SS
9 mm	12	44	24	20	16	ESI 9 SS
10 mm	12	44	24	20	18	ESI 10 SS
13 mm	15	44	23	20	26	ESI 13 SS



For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)
or crimping sockets type LPH (© catalogue page 51)

Safety Air-Relief Couplings DN 7,4

with push-the-button-principle

New!

- Automatic Disconnection in relation to rest pressure guarantees absolute safety
- High quality, robust Quick Disconnect Couplings with optimum sealing
- New locking-system, extremely easy to connect and disconnect (only 1 button push necessary)
- Lightweight because of plastic compound material – no scratching of sensitive surfaces
- Safety-air relief function: air relief with 1 button-push, automatic safe disconnection of the coupling without pressure.
- Connecting similar to all standard quick disconnect couplings
- Interchangeable with the "Euro-Profile" DN 7,2 resp. DN 7,8
- **To avoid safe the "whip lash-effect" with easy operation**

Materials

- Connections: steel zinc plated
- Seals: O-Ring Nitril
- Complete housing: plastic compound material
- Balls, Pins: stainless steel

Max. Work. Pressure	Temperature	Medium	DN	Threads	Norm	Flow Capacity One-Hand	shut-off	Area	
PN 12 bar	-15°C – +70°C	compr. air	7,4	ISO 228	ISO 4414	1750 L/min.	yes	1-way	Europe

Couplings with male thread (laminated)

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	23	82	32	15	127	ESPN 14 A
G 3/8"	23	83	32	15	130	ESPN 38 A
G 1/2"	23	85	32	15	135	ESPN 12 A

Couplings with female thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	23	74	32	12	124	ESPN 14 I
G 3/8"	23	74	32	12	116	ESPN 38 I
G 1/2"	23	81	32	12	125	ESPN 12 I

Couplings with hose stem

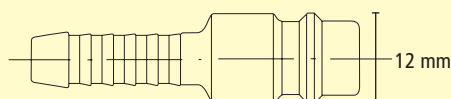
Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	88	32	22	87	ESPN 6 T
8 mm	88	32	22	85	ESPN 8 T
9 mm	88	32	22	85	ESPN 9 T
10 mm	88	32	22	85	ESPN 10 T
13 mm	92	32	27	91	ESPN 13 T

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

Suitable Plug series ESI DN 7,8 resp. ES DN 7,2 (☺ catalogue page 145, 138 / 139)

Meet all requirements of

- ISO 4414
- DIN EN 983
- BIA



Plug profiles ES + ESI (original size)

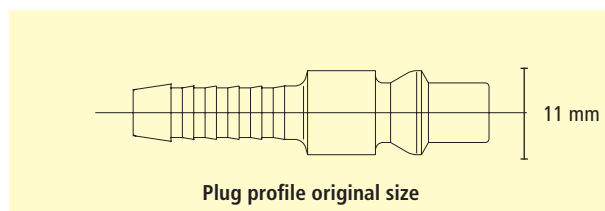
Quick-Disconnect Couplings DN 5,5 ARO

one-way shut-off

- New sleeve profile, closed sleeve protects the couplings from dirt
- New stem profile for safe fit of the hose and easy assembly
- For compressed air lines in industry, construction, garages ...

Materials

- Connections, Sleeve, Valve body, Valve: MS 58
- Springs, Retaining ring, pins: stainless steel
- Seals: Perbunan
- Plugs: MS 58



Max. Work. Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-Off	Norm	Area	
PN 35 bar	-20°C – +100°C	compr. air	5,5	ISO 228	yes	1-way	ARO 210	Benelux, Suisse	10

Couplings with male thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	42	27	9	85	ESO 14 A
G 3/8"	22	43	27	10	90	ESO 38 A
G 1/2"	24	43	27	10	105	ESO 12 A

Male thread sealing with PVC-packing rings type HPD (☺ catalogue page 23)

Couplings with female thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	43	27	10.5	104	ESO 14 I
G 3/8"	22	43	27	10.5	108	ESO 38 I
G 1/2"	24	44.5	27	12	120	ESO 12 I

Couplings with hose stem

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	57	27	25	77	ESO 6 T
8 mm	57	27	25	80	ESO 8 T
9 mm	57	27	25	82	ESO 9 T
10 mm	57	27	25	85	ESO 10 T

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)

or crimping sockets type LPH (☺ catalogue page 51)

Plugs with male thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/8"	13	33	6	22	16	ESO 18 NA
G 1/4"	17	35	8	22	21	ESO 14 NA
G 3/8"	19	35	8	22	26	ESO 38 NA

Male thread sealing with PVC-packing rings type HPD (☺ catalogue page 23)

Plugs with female thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/4"	17	34	9	22	23	ESO 14 NI
G 3/8"	19	34	9	22	23	ESO 38 NI

Plugs with hose stem

Hose i.D.	l	d	Stem Length	Plug Length	Weight/pc. g	Type No.
6 mm	47	11	22	22	14	ESO 6 S
8 mm	47	11	22	22	15	ESO 8 S
9 mm	47	11	22	22	16	ESO 9 S
10 mm	47	11	22	22	18	ESO 10 S

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)

or crimping sockets type LPH (☺ catalogue page 51)

Special executions (☺ catalogue page 157) on request.

New!

New!

New!

New!

New!

New!

Quick-Disconnect Couplings DN 5- US-Industrial Interchange Design one-way shut-off

- Closed sleeve protects the coupling from dirt
- New stem profile for safe fit of the hose and easy assembly
- For compressed air lines in industry, construction, garages...

Materials

- Connections, Sleeve, Valve body, Valve: MS 58
- Springs, Retaining ring, Pins: stainless steel
- Seals: Perbunan
- Plugs: MS 58 or steel zinc plated and yellow passivated (free of chrome VI)

New!

Max. Work. Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-Off	Norm	Area	
PN 35 bar	-20°C – +100°C	compr. air	5	ISO 228 / NPT	yes	1-way	1	USA, partly Europe	10

Couplings with male thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	40	27	9	75	ESA 14 AR
G 3/8"	22	41	27	10	78	ESA 38 AR
G 1/2"	24	41	27	10	88	ESA 12 AR
1/4" NPT	22	45	27	13.5	81	ESA 14 A
3/8" NPT	22	46	27	14.5	84	ESA 38 A
1/2" NPT	22	50	27	18	105	ESA 12 A

Male thread sealing for ISO 228 threads with PVC-packing rings type HPD (☺ catalogue page 23)

Couplings with female thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	41	27	10.5	93	ESA 14 IR
G 3/8"	22	41	27	10.5	89	ESA 38 IR
G 1/2"	24	41	27	10.5	91	ESA 12 IR
1/4" NPT	22	43.5	27	13.5	101	ESA 14 I
3/8" NPT	22	45	27	14.5	96	ESA 38 I
1/2" NPT	24	48	27	18	103	ESA 12 I

Couplings with hose stem



New!

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	55	27	25	66	ESA 6 T
8 mm	55	27	25	68	ESA 8 T
9 mm	55	27	25	70	ESA 9 T
13 mm	55	27	25	76	ESA 13 T

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)

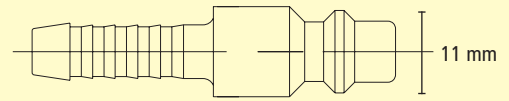
or crimping sockets type LPH (☺ catalogue page 51)

Meet the Standards:

- 1 US-Mil.-Spec. C4109
- ISO 6150

Quick Disconnect Couplings DN 5- US-Industrial Interchange Design

one-way shut-off



Plug profile original size

Plugs with male thread

Thread	Hexagon	l	Thread Length.	Plug Length.	Material	Weight/pc. g	Type No.
G 1/8"	13	35	7	24	MS 58	19	ESA 18 NAR
G 1/4"	17	37	9	24	MS 58	23	ESA 14 NAR
G 3/8"	19	38	9	24	MS 58	31	ESA 38 NAR
1/8" NPT	13	38	9.5	24	MS 58	23	ESA 18 NA
1/4" NPT	14	41	13	24	MS 58	25	ESA 14 NA
3/8" NPT	17	42	13	24	MS 58	31	ESA 38 NA
1/4" NPT	14	41	13	24	steel	22	ESA 14 NAS

Male thread sealing for ISO 228 threads with PVC-packing rings type HPD (☺ catalogue page 23)



Plugs with female thread

Thread	Hexagon	l	Thread Length.	Plug Length.	Material	Weight/pc. g	Type No.
G 1/8"	13	35	9	24	MS 58	18	ESA 18 NIR
G 1/4"	17	38	12	24	MS 58	27	ESA 14 NIR
G 3/8"	19	39	12	24	MS 58	26	ESA 38 NIR
1/8" NPT	13	35	10	24	MS 58	20	ESA 18 NI
1/4" NPT	17	40	14	24	MS 58	29	ESA 14 NI
3/8" NPT	21	42	15	24	MS 58	40	ESA 38 NI
1/4" NPT	17	40	14	24	steel	27	ESA 14 NIS



Plugs with hose stem

Hose i.D.	l	Stem Length.	Plug Length.	Material	Weight/pc. g	Type No.
6 mm	49	25	24	MS 58	17	ESA 6 S
9 mm	48	24	24	MS 58	21	ESA 9 S
13 mm	48	23	24	MS 58	29	ESA 13 S
6 mm	49	25	24	steel	16	ESA 6 SS
9 mm	48	24	24	steel	19	ESA 9 SS
13 mm	48	23	24	steel	26	ESA 13 SS

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)

or crimping sockets type LPH (☺ catalogue page 51)



Special executions (☺ catalogue page 157) on request.

Quick-Disconnect Couplings DN 7,5 Nitto

one-way shut-off

- Universal Quick Disconnect Coupling, mainly used in the asian market, interchangeable with type Nitto Kohki, but with one-hand operation.
- For compressed air lines in industry or garages

Materials

- Connections, Valve body, Valve: MS 58
- Sleeve: MS 58 nickel plated
- Spring, Retaining ring, Pins: Stainless Steel
- O-Rings: Perbunan (Buna N)
- Plugs: steel, hardened and nickel plated

Max. Work. Pressure	Temperature	Medium	DN	Threads	Flow Capacity	One-Hand	Shut-Off	Area	
PN 35 bar	-20°C – +100°C	compr. air	7,5	ISO228 / DIN2999	1400 L/min	yes	1-way	Asia	10

Couplings with male thread (tapered), Loctite-laminated

Thread	Hexagon	l	Thread Length	d	Weight/pc. g	Type No.
R 1/4"	22	46.5	11	27	81	ESK 14 AB
R 3/8"	22	47.5	12	27	84	ESK 38 AB
R 1/2"	22	50.5	15	27	100	ESK 12 AB



Couplings with female thread

Thread	Hexagon	l	Thread Length	d	Weight/pc. g	Type No.
G 1/4"	22	45.5	10.5	27	96	ESK 14 I
G 3/8"	22	45.5	10.5	27	90	ESK 38 I
G 1/2"	24	47	12	27	90	ESK 12 I



Couplings with hose stem

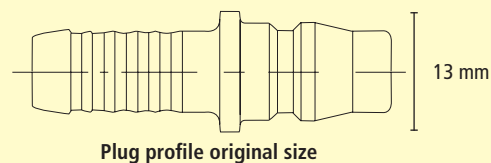
Hose i.D.	l	Stem Length	d	Weight/pc. g	Type No.
6 mm	59.5	25	27	69	ESK 6 T
8 mm	59.5	25	27	73	ESK 8 T
10 mm	59.5	25	27	75	ESK 10 T
13 mm	59.5	25	27	80	ESK 13 T

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)



Quick-Disconnect Couplings DN 7,5 Nitto

one-way shut-off



Plugs with male thread, hardened and nickel plated steel

Thread	Hexagon	l	Thread Length	Plug Length Weight/pc. g		Type No.
R 1/4"	14	37	11	20.2	20	ESK 14 NAS
R 3/8"	17	38	12	20.2	28	ESK 38 NAS
R 1/2"	22	41	15	20.2	46	ESK 12 NAS



Plugs with female thread, hardened and nickel plated steel

Thread	Hexagon	l	Thread Length	Plug Length Weight/pc. g		Type No.
G 1/4"	17	34	10.5	20.2	25	ESK 14 NIS
G 3/8"	19	34	10.5	20.2	25	ESK 38 NIS
G 1/2"	24	36	12	20.2	38	ESK 12 NIS



Plugs with hose stem, hardened and nickel plated steel

Hose i.D.	l	Stem Length	Plug Length Weight/pc. g		Type No.
6 mm	48	25	20.2	15	ESK 6 SS
8 mm	48	25	20.2	21	ESK 8 SS
10 mm	48	25	20.2	24	ESK 10 SS
13 mm	48	25	20.2	30	ESK 13 SS

For hose clips type HS (☹ catalogue page 49/50), type ZOS (☹ catalogue page 48)
or crimping sockets type LPH (☹ catalogue page 51)



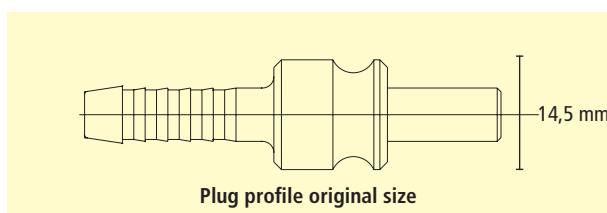
Quick-Disconnect Couplings DN 5

of steel, one-way shut-off

- Extreme robust couplings for hardest working conditions, f. e. in foundries

Materials

- Connections, Sleeve, Valve body: steel zinc plated and yellow passivated (free of chrome VI)
- Spring, Retaining ring, Pins: stainless steel
- Valve: MS 58
- Seals: Perbunan
- Plugs: steel zinc plated and yellow passivated (free of chrome VI)



New!

Max. Work. Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-Off	Area	Material	⊕
PN 35 bar	-20°C – +100°C	compr. air	5	ISO 228	no	1-way	Germany	steel	10



Couplings with male thread

Thread	Hexagon	l	d	Weight/pc. g	Type No.
G 1/4"	17	60	27.5	107	FKO 14
G 3/8"	19	60	27.5	113	FKO 38

Male thread sealing with PVC-packing rings type HPD (⊕ catalogue page 23)



Plugs with male thread

Thread	Hexagon	l	Weight/pc. g	Type No.
G 1/4"	17	46	33	FKO 14 G
G 3/8"	19	46	42	FKO 38 G

Male thread sealing with PVC-packing rings type HPD (⊕ catalogue page 23)



Plugs with hose stem

Hose i.D.	l	d	Weight/pc. g	Type No.
6 mm	55	14.5	21	FKO 6 S
9 mm	55	14.5	24	FKO 9 S

For hose clips type HS (⊕ catalogue page 49/50), type ZOS (⊕ catalogue page 48)
or crimping sockets type LPH (⊕ catalogue page 51)



Quick-Disconnect Couplings DN 8

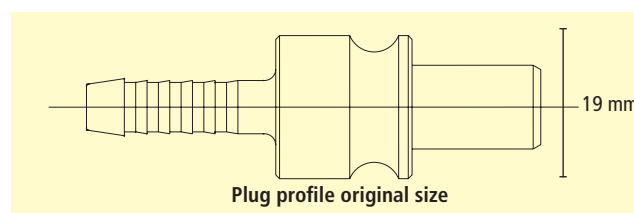
of steel, one-way shut-off

- Extreme robust couplings for hardest working conditions
f. e. in foundries

Materials

- Connections, Sleeve, Valve body: steel zinc plated and yellow passivated (free of chrome VI)
- Spring, Balls: stainless steel
- Valve: MS 58
- Seals: Perbunan
- Plugs: steel zinc plated and yellow passivated (free of chrome VI)

New!



Max. Work. Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-Off	Area	Material	⊕
PN 35 bar	-20°C – +100°C	compr. air	8	ISO 228	no	1-way	Germany	steel	10

Couplings with male thread

Thread	Hexagon	l	d	Weight/pc. g	Type No.
G 3/8"	24	67	37	240	F 1 K
G 1/2"	24	67	37	245	F 12 K

Male thread sealing with PVC-packing rings type HPD (⊕ catalogue page 23)



Plugs with male thread

Thread	Hexagon	l	Weight/pc. g	Type No.
G 3/8"	19	51	54	F 1 K 38 G

Male thread sealing with PVC-packing rings type HPD (⊕ catalogue page 23)



Plugs with female thread

Thread	Hexagon	l	Weight/pc. g	Type No.
G 1/4"	19	51	60	F 1 K 14 GI
G 3/8"	22	51	69	F 1 K 38 GI



Plugs with hose stem

Hose i.D.	l	d	Weight/pc. g	Type No.
6 mm	60	19	39	F 1 K 6 S
9 mm	60	19	39	F 1 K 9 S
11 mm	60	19	43	F 1 K 11 S
13 mm	60	19	45	F 1 K 13 S

For hose clips type HS (⊕ catalogue page 49/50), type ZOS (⊕ catalogue page 48)
or crimping sockets type LPH (⊕ catalogue page 51)



Special executions (⊕ catalogue page 157) on request.

Industry Quick-Disconnect Couplings DN 10

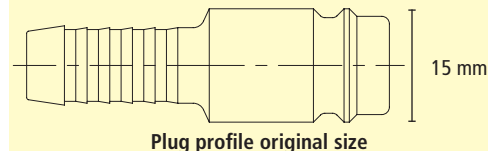
one-way shut-off

New!

- High-quality, extreme robust Quick-Disconnect Couplings with optimum sealing
- Extremely high flow rate at a low pressure drop rate because of big passage and streamlined valve
- Special executions on request (☎ catalogue page 157)
- For the supply of compressed air in industry and handcraft at extraction points with extremely high need of compressed air for high-performance tools as well as in engineering and construction

Materials

- Connections, Valve body, Valve: MS 58 nickel plated
- Sleeve: steel, hardened and nickel plated
- Springs, Retaining rings, balls: Stainless Steel
- O-Rings: Perbunan
- Plugs: steel, hardened and nickel plated



Max. Work. Pressure	Temperature	Medium	DN	Threads	Flow Capacity	One-Hand	Shut-Off	Area	
PN 35 bar	-20°C – +100°C	compr. air	10	ISO228 / DIN2999	2600 L/min	yes	1-way	Europe	coup5/plugs10

Couplings with tapered male thread

Thread	Hexagon	l	Thread Length	d		Weight/pc. g	Type No.
R 3/8"	24	63	12	27	5	143	ESIG 38 A
R 1/2"	24	65	17	27	5	147	ESIG 12 A
R 3/4"	27	65	17	27	5	155	ESIG 34 A

Couplings with parallel female thread

Thread	Hexagon	l	Thread Length	d		Weight/pc. g	Type No.
G 3/8"	24	56	11	27	5	145	ESIG 38 I
G 1/2"	24	56	12	27	5	135	ESIG 12 I
G 3/4"	32	60	16	27	5	200	ESIG 34 I

Couplings with hose stem

Hose i.D.	Hexagon	l	Stem Length	d		Weight/pc. g	Type No.
9 mm	24	76	25	27	5	150	ESIG 9 T
10 mm	24	76	25	27	5	150	ESIG 10 T
13 mm	24	76	25	27	5	152	ESIG 13 T
16 mm	24	76	25	27	5	152	ESIG 16 T
19 mm	24	76	25	27	5	160	ESIG 19 T

For hose clips type HS (☎ catalogue page 49/50), type ZOS (☎ catalogue page 48)
or crimping sockets type LPH (☎ catalogue page 51)

Plugs with tapered male thread

Thread	Hexagon	l	Thread Length	Plug Length		Weight/pc. g	Type No.
R 1/4"	17	40	12	21	10	30	ESIG 14 NAS
R 3/8"	17	40	12	21	10	32	ESIG 38 NAS
R 1/2"	22	45	17	21	10	35	ESIG 12 NAS
R 3/4"	27	48	19	21	10	37	ESIG 34 NAS

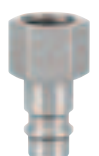
Plugs with parallel female thread

Thread	Hexagon	l	Thread Length	Plug Length		Weight/pc. g	Type No.
G 1/4"	17	34	10	21	10	36	ESIG 14 NIS
G 3/8"	19	36	12	21	10	42	ESIG 38 NIS
G 1/2"	24	37	12	21	10	41	ESIG 12 NIS
G 3/4"	32	42	16	21	10	43	ESIG 34 NIS

Plugs with hose stem

Hose i.D.	l	Stem Length	d	Plug Length		Weight/pc. g	Type No.
9 mm	48	25	15	21	10	24	ESIG 9 SS
10 mm	48	25	15	21	10	24	ESIG 10 SS
13 mm	48	25	15	21	10	28	ESIG 13 SS
16 mm	48	25	18	21	10	30	ESIG 16 SS
19 mm	48	25	21	21	10	35	ESIG 19 SS

For hose clips type HS (☎ catalogue page 49/50), type ZOS (☎ catalogue page 48)
or crimping sockets type LPH (☎ catalogue page 51)



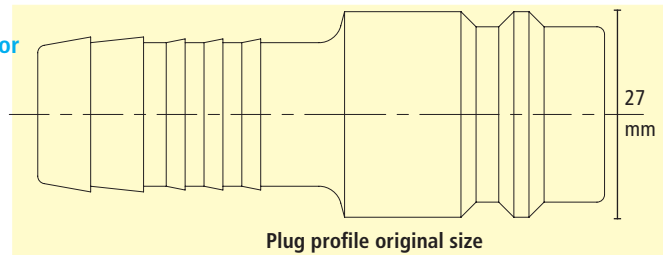
MaxFlow Quick-Disconnect Couplings DN 19

- High-quality, extreme robust Quick-Disconnect Couplings for compressed air and liquid mediums
- Highest flow rate at a low pressure drop rate for large tools resp. for applications with high-volume flow rate in connection with a shut-off function by one-hand operation
- Special executions, e. g. sealing rings of Viton or EPDM for aggressive medium on request (☎ catalogue page 157)
- Couplings also suitable for plugs with valve, these plugs are available on request
- For compressed air supply in industry or construction at extraction points with extremely high demand of compressed air for high performance tools or for applications with different fluids

New!

Materials

- Connections, Valve body, Valves, Sleeves: brass MS 58
- Springs, Retaining rings, balls: Stainless Steel
- O-Rings: Perbunan
- Plugs: brass MS 58



Max. Work. Pressure	Temperature	Medium	DN	Threads	Flow Capacity	One-Hand	Shut-Off	Area	
PN 35 bar	-20°C – +100°C	air / liquidas	19	ISO228	8000 L/min	yes	yes	Europe	coup1/plugs5

Couplings with male thread

Thread	Hexagon	l	Thread Length	d	Weight/pc. g	Type No.
G 3/4"	41	95	16	46	650	ESG 34 A
G 1"	41	98	19	46	620	ESG 10 A
G 1 1/4"	46	98	19	46	745	ESG 54 A

Couplings with female thread

Thread	Hexagon	l	Thread Length	d	Weight/pc. g	Type No.
G 3/4"	41	99	20	46	740	ESG 34 I
G 1"	41	100	22	46	650	ESG 10 I
G 1 1/4"	50	105	22	46	700	ESG 54 I

Couplings with hose stem

Hose i. D.	l	Stem Length	d	Weight/pc. g	Type No.
19 mm	115	36	46	600	ESG 19 T
25 mm	125	48	46	683	ESG 25 T

For hose clips type HS (☎ catalogue page 49/50), type ZOS (☎ catalogue page 48)
or crimping sockets type LPH (☎ catalogue page 51)

Plugs with male thread (Shut-off on request)

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 3/4"	30	60	16	34	160	ESG 34 NA
G 1"	36	65	19	34	200	ESG 10 NA
G 1 1/4"	46	68	19	34	350	ESG 54 NA

Plugs with female thread (Shut-off on request)

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 3/4"	32	58	16	34	160	ESG 34 NI
G 1"	41	68	19	34	300	ESG 10 NI
G 1 1/4"	50	70	19	34	410	ESG 54 NI

Plugs with hose stem (Shut-off on request)

Hose i. D.	l	Stem Length	Weight/pc. g	Type No.
19 mm	75	36	154	ESG 19 S
25 mm	87	48	185	ESG 25 S

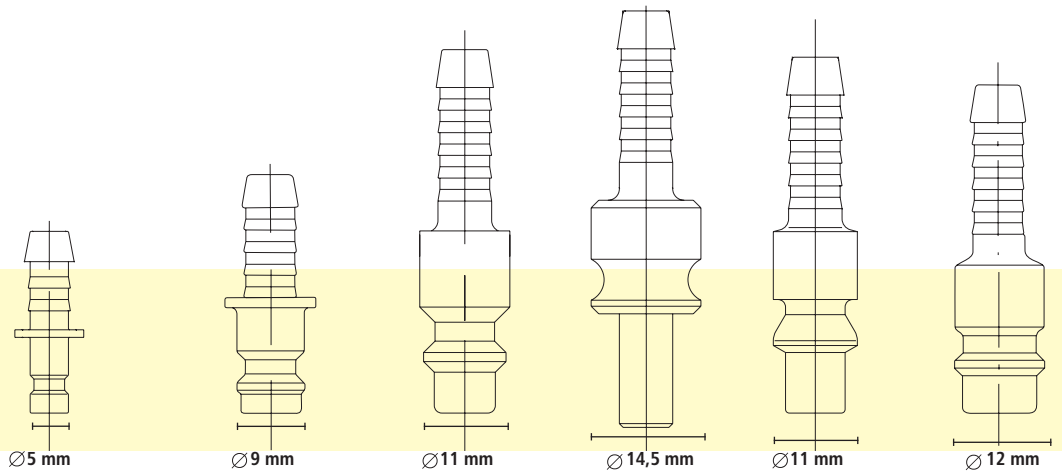
For hose clips type HS (☎ catalogue page 49/50), type ZOS (☎ catalogue page 48)
or crimping sockets type LPH (☎ catalogue page 51)



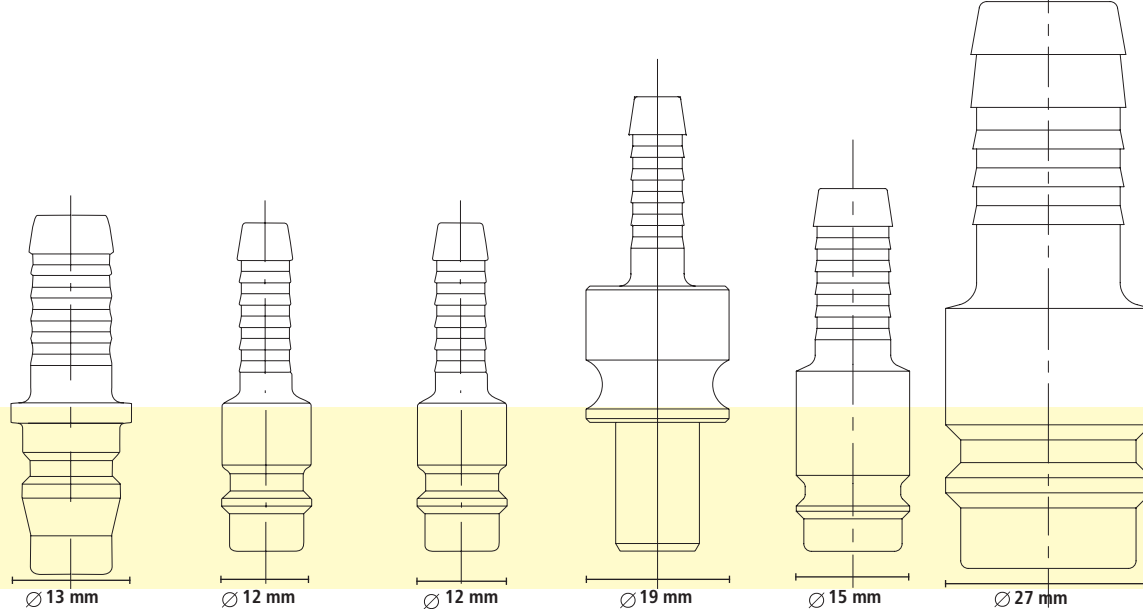
LUDECKE Quick-Disconnect Couplings

Program Table

Plug profiles original size



DN (mm)	2,7	5	5	5	5,5	7,2
Max. Working Pressure (bar)	35	35	35	35	35	35
Temperature (Standard Range)	-20 / +100	-20 / +100	-20 / +100	-20 / +100	-20 / +100	-20 / +100
Mat. Couplings	MS 58	MS 58	MS 58	steel	MS 58	MS 58
Mat. Plugs	MS 58	MS 58 / steel	MS 58 / steel	steel	MS 58	MS 58 / steel
Max. Flow-Capacity (6 bar entrance pressure, 0,5 bar pressure drop) (one-way shut-off type)	160 L/min	560 L/min	900 L/min	750 L/min	800 L/min	1100 L/min
Automatic Shut-Off	1-way	1-way/2-way/free	1-way	1-way	1-way	free/1-way/2-way
One-Hand Operation	yes	yes	yes	no	yes	yes
Norm	-	-	ISO 6150 B US-MIL-Spec. C 4109	-	ARO 210	Eur.Norm
Interchangeable with	Rectus Serie 20	Rectus Serie 21	Rectus Serie 23/24, Hansen 3000, Cejn 310 Milton Gromelle	-	Rectus Serie 14/22 ARO 210, Cejn 300 Orion 44510 Parker 50	Rectus Serie 25/26 Cejn 320
Applcation Area	Europe	Europe	USA Spain France	Germany	Benelux Suisse	world-wide Europe
LUDECKE Type No.	ESMC	ESM	ESA	FKO	ESO	ES
Catalogue Page	129	130	148	152	147	136



7,8	7,8	7,4	8	10	19
35	35	12	35	35	35
-20 / +100	-20 / +100	-15 / +70	-20 / +100	-20 / +100	-20 / +100
MS 58 steel	MS 58 / steel steel	plastic MS 58 / steel	steel steel	MS 58/Steel steel	MS 58 MS 58
1400 L/min	1800 L/min	1750 L/min	1100 L/min	2600 L/min	8000 L/min
1-way	1-way	1-way	1-way	1-way	1-way/2-way
yes	yes	yes	no	yes	yes
-	Eur.Norm	ISO 44014 EN 983	-	Eur.Norm	Eur.Norm
Nitto Kohki	Rectus Serie 25/26 Cejn 320	Rectus Serie 25/26 Cejn 320	-	Rectus Serie 27/41/1700 Cejn 410	Hansen 7000 Rectus Serie 39
Asia	Europe	Europe	Germany	Europe	Europe
ESK	ESI	ESPN	F1K	ESIG	ESG
150	145	146	153	154	155

Special executions



- Brass nickel plated
- Coloured sleeves
- Special connections (e.g. bulkhead-screwings)
- Special dimensions, other materials
- Seals for different fluids (e.g. EPDM, Viton)
- Without valve, 2-way shut-off
- Oil- and grease-free execution
- Different types of disconnect protections

Available on request against specification, sample or drawing.