

EUROPEAN SERIES

Nominal Diameter

09 / 13 / 19

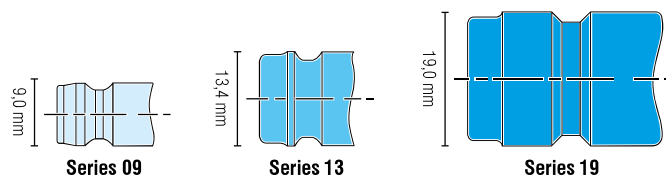


Illustration scale 1:1

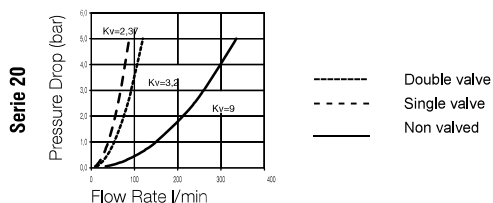
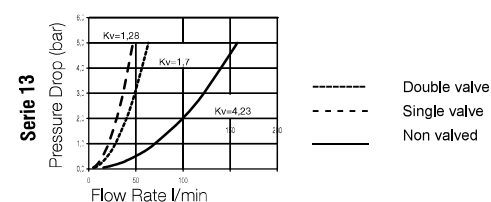
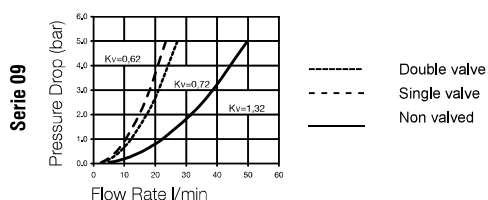
Technical Description

Coupling series especially developed for connecting coolant lines on injection moulds.

Fully interchangeable with other brands with the same plug profiles.

All dimensions and tolerances according to original specs.

Chart



Material

Coupling

Back Body	Brass
Valve Body	Brass
Sleeve	Brass (with valve)
Sleeve	Brass, Nickel Plated (without valve)
Valve	Brass
Locking balls	AISI 420
Spring	AISI 301
Seal	FKM

Plug

Plug Profile	Brass
Back Body	Brass
Valve	Brass
Spring	AISI 301
Seal	FKM

Working Pressure

15 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature

Standard Couplers

Water up to 140°C

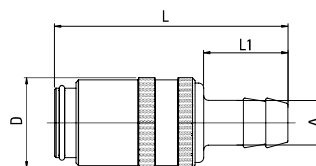
Oil up to 180°C

TS Couplers

Water up to 160°C

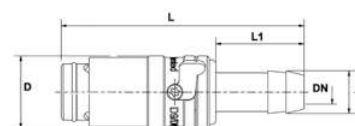
Oil up to 200°C

Straight Coupling



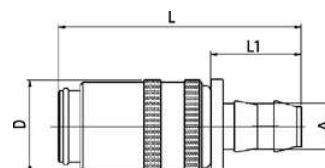
DN	Series			A	D	L	L1	
6	09	09K10V	09K10	10	18	52	22	10
		09K13V	09K13	13	18	52	22	10
7	13	13K10V	13K10	10	23	61,5	25	10
9		13K13V	13K13	13	23	61,5	25	10
13	19	19K19V	19K19	19	32	90	32	5

Safety Coupling, Type TS, Straight

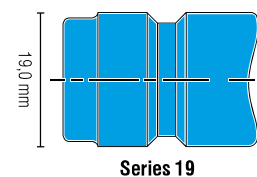
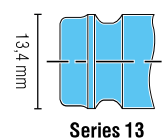
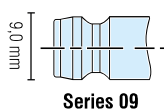


DN	Serie			A	D	L	L1	
6	09	09K10V-TS	09K10-TS	10	18	59,5	22	5
9	13	13K13V-TS	13K13-TS	13	23	63	25	5

Push Lock - Straight Coupling

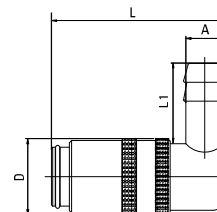


DN	Series			A	D	L	L1	
6	09	09K10V-PL	09K10-PL	10	18	58,5	28	10
9	13	13K13V-PL	13K13-PL	13	23	64,5	28	10



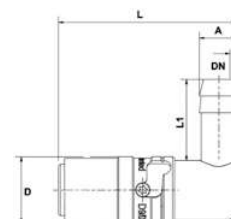
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90° Coupling



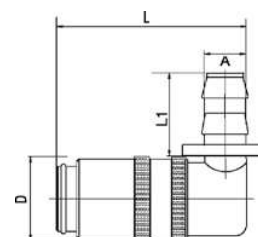
DN	Series			A	D	L	L1	
9	09	09K10V-90	09K10-90	10	18	41	22	10
7		13K10V-90	13K10-90	10	23	51	28,5	10
9	13	13K13V-90	13K13-90	13	23	51	28,5	10
13	19	19K19V-90	19K19-90	19	32	78	32	5

SAFETY COUPLING, TYPE TS, 90°



DN	Serie			A	D	L	L1	
6	09	09K10V/90-TS	09K10/90-TS	10	18	52,5	22	5
9	13	13K13V/90-TS	13K13/90-TS	13	23	68,5	25	5

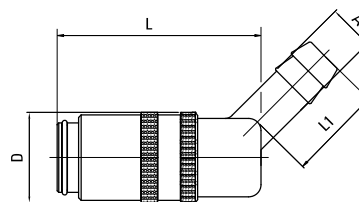
Push Lock - 90° Coupling



DN	Series			A	D	L	L1	
6	09	09K10V-90-PL	09K10-90-PL	10	18	42,5	28	10
9	13	13K13V-90-PL	13K13-90-PL	13	23	51	28	10

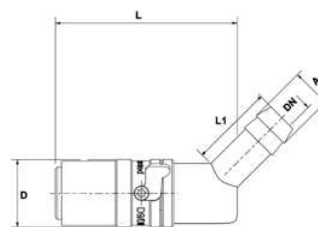
See explanation of symbols on page 268

45° Coupling



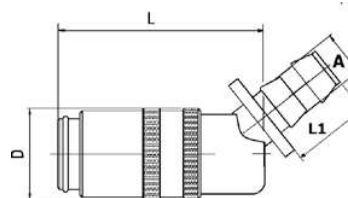
DN	Series	Symbol	Symbol	A	D	L	L1	Box
6	09	09K10V-45	09K10-45	10	18	41	22	10
7		13K10V-45	13K10-45	13	23	51	28,5	10
9	13	13K13V-45	13K13-45	13	23	51	28,5	10
13	19	19K19V-45	19K19-45	19	32	78	32	5

Safety Coupling, Type TS, 45°

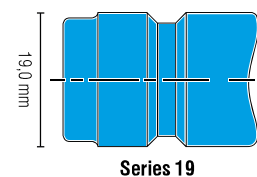
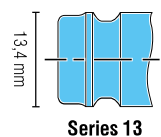
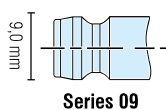


DN	Series	Symbol	Symbol	A	D	L	L1	Box
6	09	09K10V/45-TS	09K10/45-TS	10	18	52,5	22	5
9	13	13K13V/45-TS	13K13/45-TS	13	23	68,5	25	5

Push Lock - 45° Coupling

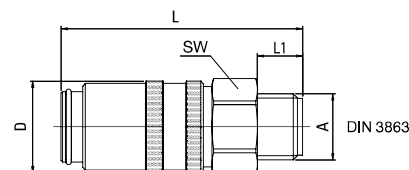


DN	Series	Symbol	Symbol	A	D	L	L1	Box
6	09	09K10V-45-PL	09K10-45-PL	10	18	42,5	28	10
9	13	13K13V-45-PL	13K13-45-PL	13	23	51	28	10



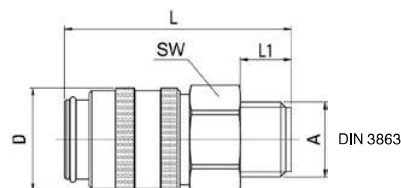
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Male Threaded Coupling



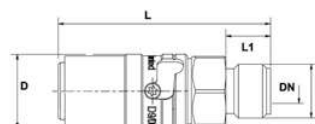
DN	Series			A	D	L	L1	SW	
6	09	09KUM14V	09KUM14	M14x1,5	18	48	9	17	10
		09KUR1/4V	09KUR1/4	G1/4	18	48	9	17	10
		09KUR3/8V	09KUR3/8	G3/8	18	48	9	19	10
9	13	13KUM16V	13KUM16	M16x1,5	23	51,5	9	22	10
		13KUR1/4V	13KUR1/4	G1/4	23	51,5	9	22	10
		13KUR3/8V	13KUR3/8	G3/8	23	51,5	9	22	10
		13KUR1/2V	13KUR1/2	G1/2	23	54,5	12	22	10
13	19	19KUR1/2V	19KUR1/2	G1/2	32	74	12	30	5
		19KUR3/4V	19KUR3/4	G3/4	32	78	16	30	5

Male Threaded Coupling, Short version



DN	Series		A	D	L	L1	SW	
6	09	09KSR1/4	G 1/4	18	38	9	17	10
9	13	13KSR3/8	G 3/8	24	38	9	22	10

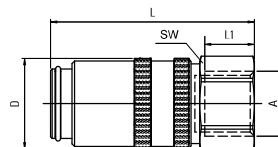
Safety Coupling, Type TS, Male Threaded



DN	Serie			A	D	L	L1	
6	09	09KUM14V-TS	09KUM14-TS	M14X1,5	18	55,5	11	5
		09KUR1/4V-TS	09KUR1/4-TS	G1/4	18	55,5	11	5
		09KUR3/8V-TS	09KUR3/8-TS	G3/8	18	55,5	11	5
9	13	13KUM16V-TS	13KUM16-TS	M16X1,5	23	57,5	12,5	5
		13KUR1/4V-TS	13KUR1/4-TS	G1/4	23	57,5	12,5	5
		13KUR3/8V-TS	13KUR3/8-TS	G3/8	23	57,5	12,5	5
		13KUR1/2V-TS	13KUR1/2-TS	G1/2	23	57,5	12,5	5

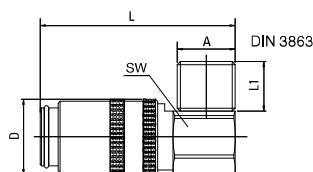
See explanation of symbols on page 268

Female Threaded Coupling



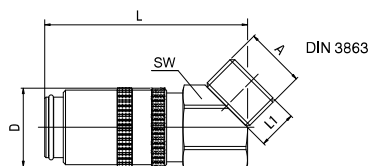
DN	Series	Symbol	Symbol	A	D	L	L1	SW	Icon
6	09	09KIR1/4V	09KIR1/4	G1/4	18	41	10	17	10
		09KIR3/8V	09KIR3/8	G3/8	18	45	10	19	10
9	13	13KIR1/4V	13KIR1/4	G1/4	23	46,5	10	21	10
		13KIR3/8V	13KIR3/8	G3/8	23	46,5	10	21	10
		13KIM16V	13KIM16	M16x1,5	23	46,5	10	21	10

90° Male Threaded Coupling

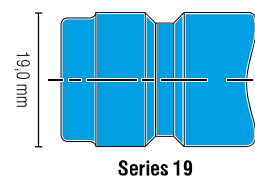
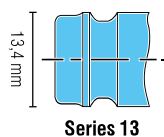
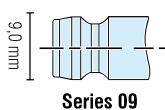


DN	Series	Symbol	Symbol	A	D	L	L1	SW	Icon
6	09	09KM14/90V	09KM14/90	M14x1,5	18	47	12	17	10
		09KR1/4/90V	09KR1/4/90	G1/4	18	47	12	17	10
9	13	13KUM16/90V	13KM16/90	M16x1,5	23	53,5	12	22	10

45° Male Threaded Coupling

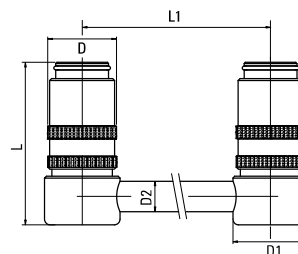


DN	Series	Symbol	Symbol	A	D	L	L1	SW	Icon
6	09	09KM14/45V	09KM14/45	M14x1,5	18	47	9	17	10
		09KR1/4/45V	09KR1/4/45	G1/4	18	47	9	17	10
9	13	13KUM16/45V	13KUM16/45	M16x1,5	23	53,5	9	22	10



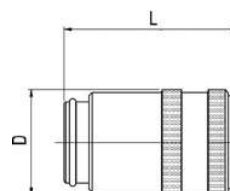
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Banjo Bridge



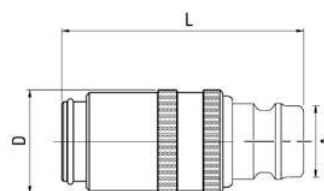
DN	Series	↔	D	L	D1	D2	L1	
6	09	09K125	18	43	20	8	125	1
		09K250	18	43	20	8	250	1
		09K500	18	43	20	8	500	1
9	13	13K125	23	53	26	10	125	1
		13K250	23	53	26	10	250	1
		13K500	23	53	26	10	500	1
13	19	19K160	32	80	36	14	160	1
		19K315	32	80	36	14	315	1
		19K500	32	80	36	14	500	1

Blind Coupling



DN	Series	↔	D	L	
6	09	09K	18	30	10
9	13	13K	24	37	10

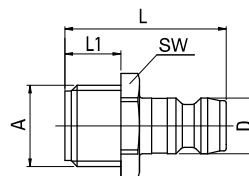
Coupling with Plug



DN	Series	↔	↔	A	D	L	
6	09	09K13NV	09K13N	13,4	18	45	10
9	13	13K9NV	13K9N	9,0	23	51	10

See explanation of symbols on page 268

Male Plug

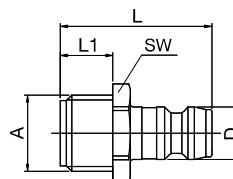


DN	Series	↔	A	D	L	L1	SW	📦
6	09	09NM8	M8x0,75	9	24	7	11	25
		09NM10	M10x1	9	24	7	11	25
		09NR1/8*	G1/8	9	24	7	11	25
		09NM12	M12x1,5	9	27	10	14	25
		09NM14	M14x1,5	9	26	9	15	25
		09NM14V	M14x1,5	9	29	12	15	25
		09NR1/4*	G1/4	9	26	9	15	25
		09NR1/4V*	G1/4	9	29	12	15	25
9	13	09NR3/8*	G3/8	9	30	10	17	25
		13NR1/8*	G1/8	13,4	25	8	14	25
		13NM14	M14x1,5	13,4	26	9	15	25
		13NR1/4*	G1/4	13,4	26	9	15	25
		13NR1/4V*	G1/4	13,4	31	12	15	25
		13NR3/8*	G3/8	13,4	26	9	17	25
		13NR3/8V*	G3/8	13,4	30	12	17	25
		13NM16	M16x1,5	13,4	26	9	17	25
13	19	19NM24V	19NM24	M24x1,5	19	51	27	10
		19NR1/2V*	19NR1/2*	G1/2	19	47	22	10
		19NR3/4V*	19NR3/4*	G3/4	19	51	27	10

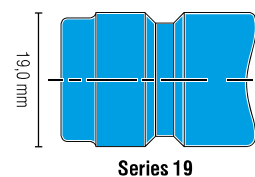
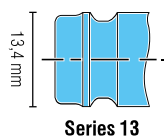
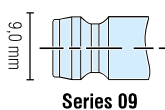
* Nickel Plated

Male Plug - Stainless Steel

STAINLESS
STEEL

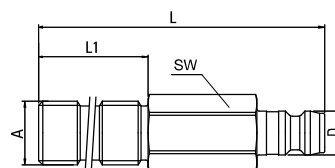


DN	Series	↔	A	D	L	L1	SW	📦
6	09	09NM8SS	M8x0,75	9	24	7	11	25
		09NM10SS	M10x1	9	24	7	11	25
		09NR1/8SS	G1/8	9	24	7	11	25
		09NR1/4SS	G1/4	9	26	9	14	25
9	13	13NR1/4SS	G1/4	13,4	26	9	14	25
		13NR3/8SS	G3/8	13,4	26	9	17	25



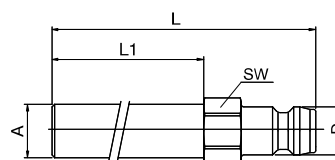
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Adjustable Plug



DN	Series	↔	A	D	L	L1	SW	
6	09	09NR1/8/100	G1/8	9	100	60	11	10
		09NR1/4/100	G1/4	9	100	60	14	10
9	13	13NR1/4/100	G1/4	13,4	100	60	14	10
		13NR3/8/100	G3/8	13,4	100	60	19	10

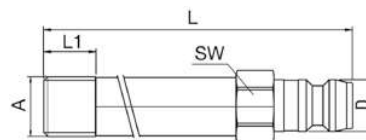
Extended Plug



DN	Series	↔	A	D	L	L1	SW	
6	09	09N63	8	9	63	42	9	10
		09N100	8	9	100	79	9	10
		09N120	10	9	120	100	11	10
		09N240	10	9	240	220	11	10
		09N360	10	9	360	340	11	10
9	13	13N150	14	13,4	150	125	15	10
		13N300	14	13,4	300	275	15	10
		13N450	14	13,4	450	425	15	10
13	19	19N500	21	19	500	465	22	5

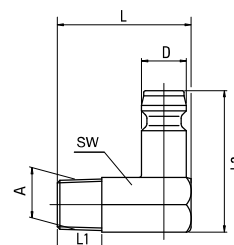
See explanation of symbols on page 268

Extended Plug Threaded



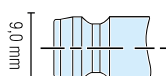
DN	Series	↔	A	D	L	L1	SW	
6	09	09NM10-60	M10X1	9	60	9	11	10
		09NM10-100	M10X1	9	100	9	11	10
		09NM10-150	M10X1	9	150	9	11	10
		09NR1/8-60	R1/8	9	60	9	11	10
		09NR1/8-100	R1/8	9	100	9	11	10
		09NR1/8-150	R1/8	9	150	12	14	10
		09NR1/4-60	R1/4	9	60	12	14	10
		09NR1/4-100	R1/4	9	100	12	14	10
9	13	13NR1/4-150	R1/4	9	150	12	14	10
		13NR1/4-60	R1/4	13,4	60	12	14	10
		13NR1/4-100	R1/4	13,4	100	12	14	10
		13NR1/4-150	R1/4	13,4	150	12	14	10

90° Male Plug

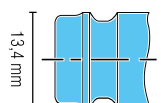


DN	Series	↔	A	D	L	L1	L2	SW	
6	09	09NM8/90	M8x0,75	9	27	9	28,5	11	25
		09NM10/90	M10x1	9	27	9	28,5	11	25
		09NR1/8/90*	R1/8	9	27	9	28,5	11	25
		09NR1/4/90*	R1/4	9	27	9	28,5	11	25
9	13	13NM14/90	M14x1,5	13,4	34	11	32	15	25
		13NR1/4/90*	R1/4	13,4	34	11	32	15	25
		13NR3/8/90*	R3/8	13,4	34	11	32	15	25
13	19	19NM24/90	M24x1,5	19	47	16	54	24	5
		19NR1/2/90*	R1/2	19	47	16	54	24	5

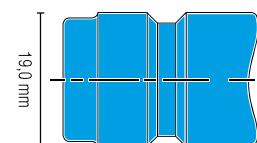
* Nickel Plated



Series 09



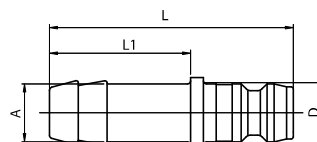
Series 13



Series 19

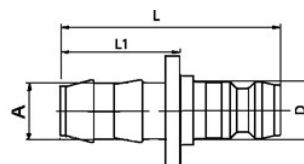
EUROPEAN SERIES

Hosetail Plug



DN	Series	↔	A	D	L	L1	⊞
6	09	09N10	10	9	38	22	25
		09N13	13	9	38	22	25
9	13	13N10	10	13,4	41	25	25
		13N13	13	13,4	41	25	25
13	19	19N13	13	19	61	32	5
		19N19	19	19	61	32	5

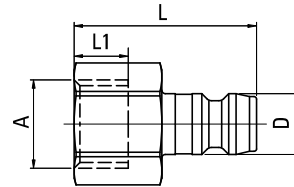
Push Lock - Hosetail Plug



DN	Series	↔	A	D	L	L1	⊞
6	09	09N10-PL	10	9	44	28	10
9	13	13N13-PL	13	13,4	44	28	10

See explanation of symbols on page 268

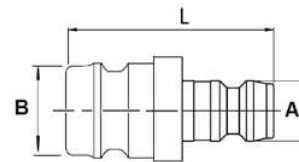
Female Plug



⌀	Series	↔	A	D	L	L1	SW	
6	09	09NR1/8I	G1/8	9	24	7	11	25
		09NR1/4I	G1/4	9	24	7	16	25
		09NR3/8I	G3/8	9	27	10	19	25
9	13	13NR1/4I	G1/4	13,4	33	10	16	25
		13NR3/8I	G3/8	13,4	35	10	19	25

* Nickel Plated

Double Plug



⌀	A Series	B Series	↔	L	
6	09	9	0909DB	34	10
			0913DB	34	10
9	13	13	1313DB	34	10

