

INTERNATIONAL SERIES

Nominal Diameter

20 / 30 / 50

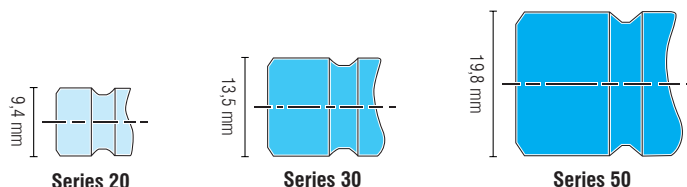
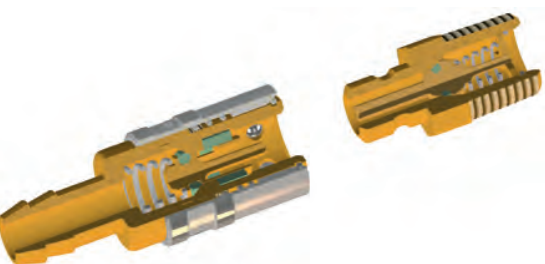


Illustration scale 1:1

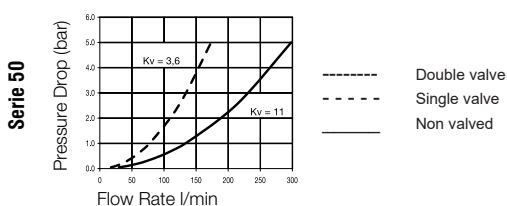
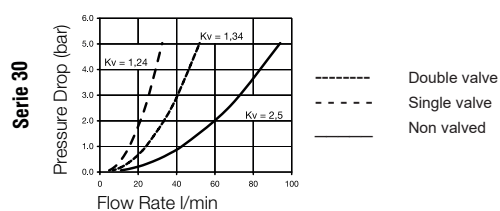
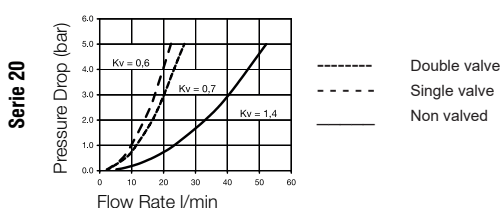
Technical Description

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 (without Valve)
Sleeve	Brass, Nickel Plated (with 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

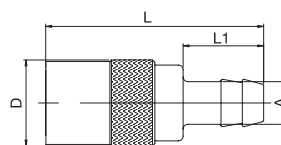
Oil up to 180°C

TS Couplers

Water up to 160°C

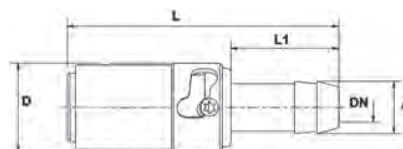
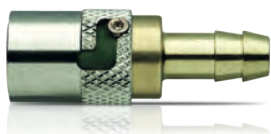
Oil up to 200°C

Straight Coupling



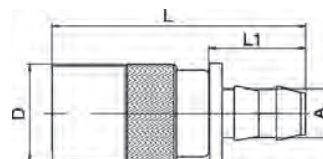
DN	Series	Symbol	Symbol	A	D	L	L1	Box
4,5	20	20K6V	20K6	6	18	46	17	10
6		20K10V	20K10	10	18	51	22	10
7		20K13V	20K13	13	18	51	22	10
9	30	30K10V	30K10	10	24	64	22	10
9		30K13V	30K13	13	24	66,5	25	10
15	50	50K19V	50K19	19	32	89	32	5

Safety Coupling, Type TS, Straight

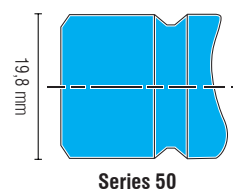
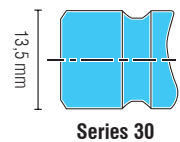
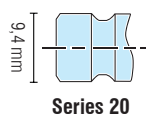


DN	Serie	Symbol	Symbol	A	D	L	L1	Box
6	20	20K10V-TS	20K10-TS	10	18	59,5	22	5
7	30	30K10V-TS	30K10-TS	10	23	64,5	25	5
9		30K13V-TS	30K13-TS	13	23	64,5	25	5
15	50	50K19V-TS	50K19-TS	19	32	90,8	34	1

Push Lock - Straight Coupling

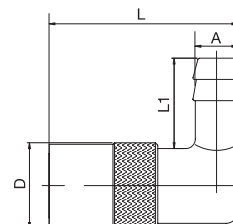


DN	Series	Symbol	Symbol	A	D	L	L1	Box
6	20	20K10V-PL	20K10-PL	10	18	58	28	10
9	30	30K10V-PL	30K10-PL	10	24	64,5	28	10
9		30K13V-PL	30K13-PL	13	24	64,5	28	10
15	50		50K19-PL	19	32	89	38	5



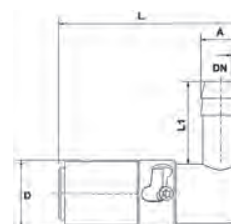
INTERNATIONAL SERIES

90° Coupling



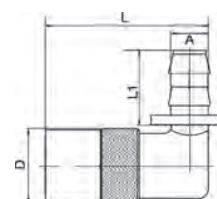
DN	Series			A	D	L	L1	
4,5	20	20K6V/90	20K6/90	6	18	40	19	10
6		20K10V/90	20K10/90	10	18	40	22	10
7	30	30K10V/90	30K10/90	10	24	56	22	10
9		30K13V/90	30K13/90	13	24	56	28,5	10
15	50	50K19V/90	50K19/90	19	32	77	32	5

Safety Coupling, Type TS, 90°



DN	Serie			A	D	L	L1	
6	20	20K10V/90-TS	20K10/90-TS	10	18	52,5	22	5
7	30	30K10V/90-TS	30K10/90-TS	10	23	68,5	25	5
9		30K13V/90-TS	30K13/90-TS	13	23	68,5	25	5
15	50	50K19V/90-TS	50K19/90-TS	19	32	80,8	34	1

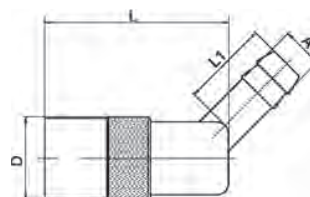
Push Lock - 90°Coupling



DN	Series			A	D	L	L1	
6	20	20K10V-90-PL	20K10-90-PL	10	18	40,5	28	10
7	30	30K10V-90-PL	30K10-90-PL	10	23	61,5	28	10
9		30K13V-90-PL	30K13-90-PL	13	23	61,5	28	10
15	50		50K19-90-PL	19	32	87	38	5

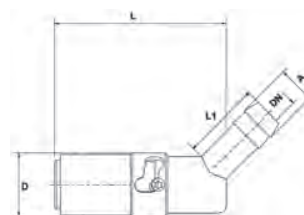
See explanation of symbols on page 404

45° Coupling



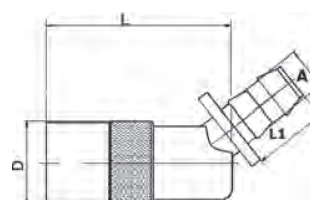
DN	Series			A	D	L	L1	
4,5	20	20K6V/45	20K6/45	6	18	55,5	19	10
6		20K10V/45	20K10/45	10	18	55,5	22	10
7	30	30K10V/45	30K10/45	10	24	71	22	10
9		30K13V/45	30K13/45	13	24	75	25	10
15	50	50K19V/45	50K19/45	19	32	77	30	5

Safety Coupling, Type TS, 45°

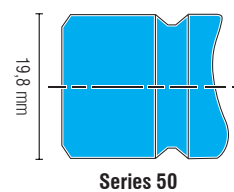
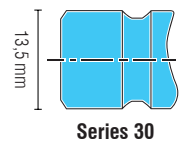
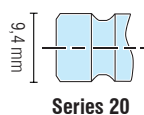


DN	Serie			A	D	L	L1	
6	20	20K10V/45-TS	20K10/45-TS	10	18	52,5	22	5
7	30	30K10V/45-TS	30K10/45-TS	10	23	68,5	25	5
9		30K13V/45-TS	30K13/45-TS	13	23	68,5	25	5
15	50	50K19V/45-TS	50K19/45-TS	19	32	80,8	34	1

Push Lock - 45° Coupling

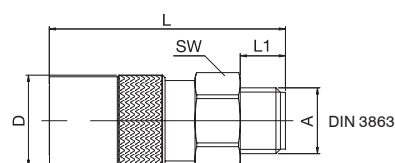
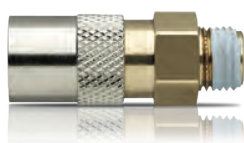


DN	Series			A	D	L	L1	
6	20	20K10V-45-PL	20K10-45-PL	10	18	40,5	28	10
7	30	30K10V-45-PL	30K10-45-PL	10	23	61,5	28	10
9		30K13V-45-PL	30K13-45-PL	13	23	61,5	28	10
15	50	50K19-45-PL	50K19-45-PL	19	32	87	38	5



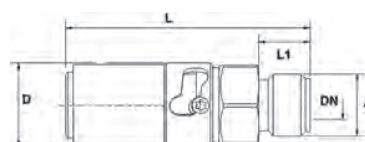
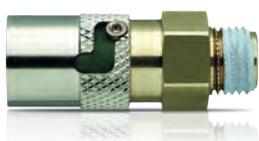
INTERNATIONAL SERIES

Male Threaded Coupling



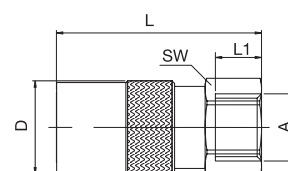
DN	Series			A	D	L	L1	SW	
6	20	20KUR1/4V	20KUR1/4	G1/4	18	38	9	17	10
		20KUR3/8V	20KUR3/8	G3/8	18	38	9	19	10
9	30	30KUR1/4V	30KUR1/4	G1/4	24	48,5	9	22	10
		30KUR3/8V	30KUR3/8	G3/8	24	48,5	9	22	10
		30KUR1/2V	30KUR1/2	G1/2	24	51,5	12	22	10
15	50	50KUR1/2V	50KUR1/2	G1/2	32	73	12	30	10
		50KUR3/4V	50KUR3/4	G3/4	32	77	16	30	5

Safety Coupling, Type TS, Male Threaded



DN	Serie			A	D	L	L1	
6	20	20KUR1/4V-TS	20KUR1/4-TS	G1/4	18	55,5	11	5
		20KUR3/8V-TS	20KUR3/8-TS	G3/8	18	55,5	11	5
9	30	30KUR1/4V-TS	30KUR1/4-TS	G1/4	23	57,5	12,5	5
		30KUR3/8V-TS	30KUR3/8-TS	G3/8	23	57,5	12,5	5
		30KUR1/2V-TS	30KUR1/2-TS	G1/2	23	57,5	12,5	5
15	50	50KUR1/2V-TS	50KUR1/2-TS	G1/2	32	75,8	15	1
		50KUR3/4V-TS	50KUR3/4-TS	G3/4	32	76,8	16	1

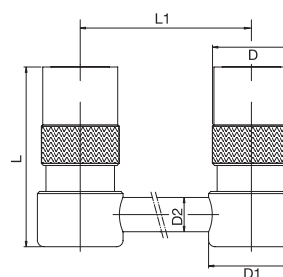
Female Threaded Coupling



DN	Series			A	D	L	L1	SW	
6	20	20KIR1/8V	20KIR1/8	G1/8	18	40	10	17	10
		20KIR1/4V	20KIR1/4	G1/4	18	40	10	17	10
		20KIR3/8V	20KIR3/8	G3/8	18	44	10	19	10
9	30	30KIR1/4V	30KIR1/4	G1/4	24	51,5	10	21	10
		30KIR3/8V	30KIR3/8	G3/8	24	51,5	10	21	10

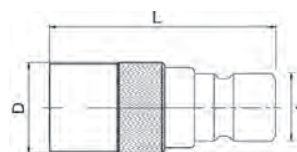
See explanation of symbols on page 404

Banjo Bridge



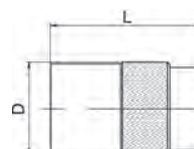
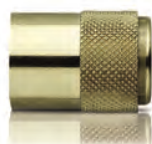
DN	Series	↔	A	D	L	D1	D2	L1	
6	20	20K125		18	42	20	8	125	1
		20K250		18	42	20	8	250	1
		20K500		18	42	20	8	500	1
9	30	30K125		24	58	26	10	125	1
		30K250		24	58	26	10	250	1
		30K500		24	58	26	10	500	1
15	50	50K160		32	78	36	14	160	1
		50K315		32	78	36	14	315	1
		50K500		32	78	36	14	500	1

Coupling with Plug

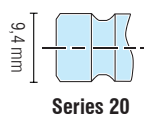


DN	Series	↔	↔	A	D	L	
6	20	20K30NV	20K30N	13,5	18	50,5	10
9	30	30K20NV	30K20N	9,4	24	52,5	10

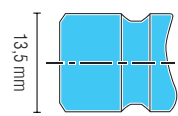
Blind Coupling



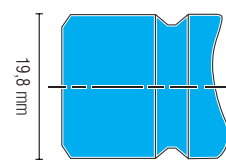
DN	Series	↔	D	L	
6	20	20K	18	30	10
9	30	30K	24	37	10



Series 20



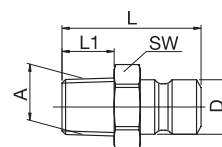
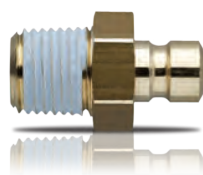
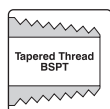
Series 30



Series 50

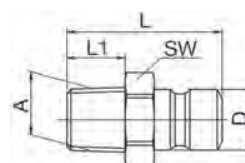
INTERNATIONAL SERIES

Male Plug



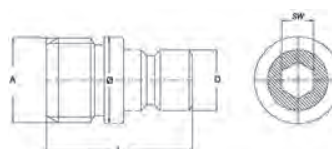
DN	Series			A	D	L	L1	SW	
6	20	20NM10	M10x1	9,4	9,4	23	8	13	25
		20NR1/8	R1/8	9,4	9,4	24	9	13	25
		20NR1/4	R1/4	9,4	9,4	29	12	16	25
		20NR1/4V	R1/4	9,4	9,4	29	14	16	25
9	30	20NR3/8	R3/8	9,4	9,4	30	12	19	25
		30NR1/8	R1/8	13,5	13,5	29,5	20,5	14	25
		30NR1/4V	R1/4	13,5	13,5	34	12	16	25
		30NR3/8V	R3/8	13,5	13,5	34	12	19	25
15	50	30NR1/2	R1/2	13,5	13,5	39	17	24	10
		50NR1/2	R1/2	19,8	19,8	44	17	22	10
		50NR3/4	R3/4	19,8	19,8	45	19	29	10

Male Plug - Without Sealant



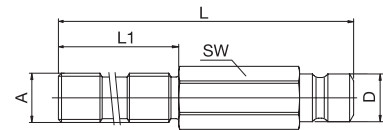
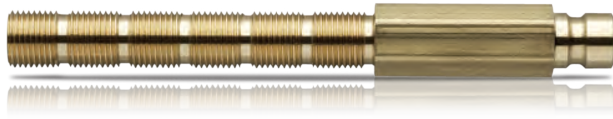
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6	20	20NRX1/8	R1/8"	9,4	9,4	24	9	11	100
		20NRX1/4	R1/4"	9,4	9,4	24	12	14	100
9	30	30NRX1/8	R1/8"	13,5	13,5	29,5	10	14	100
		30NRX1/4	R1/4"	13,5	13,5	32,5	12	14	100
		30NRX3/8	R3/8"	13,5	13,5	32,5	12	17	25
		30NRX1/2	R1/2"	13,5	13,5	37	17	26	25

Male Plug - with Internal Hex



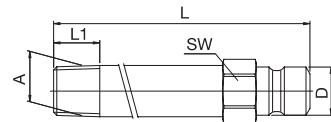
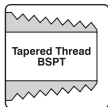
DN	Series			A	D	L	Ø	SW	
6	20	20NSWR1/8	G1/8	9,4	9,4	20,7	13	5	10
		20NSWR1/4	G1/4	9,4	9,4	22,7	13,5	5	10
9	30	30NSWR1/4	G1/4	13,5	13,5	30	15	8	10
		30NSWR3/8	G3/8	13,5	13,5	30	19	8	10

Adjustable Plug

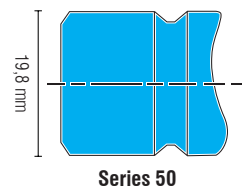
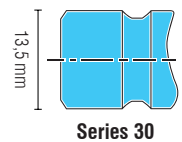
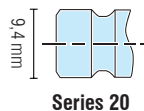


DN	Series	↔	A	D	L	L1	SW	
6	20	20NR1/8/100	G1/8	9,4	100	60	11	10
		20NR1/4/100	G1/4	9,4	100	60	14	10
9	30	30NR1/4/100	G1/4	13,5	100	60	14	10
		30NR3/8/100	G3/8	13,5	100	60	17	10

Extended Plug

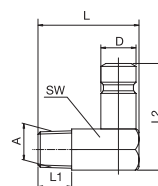


DN	Series	↔	A	D	L	L1	SW	
6	20	20N50	R1/8	9,4	50	9	11	10
		20N50-1/4	R1/4	9,4	50	12	14	10
		20N100	R1/8	9,4	100	9	11	10
		20N100-1/4	R1/4	9,4	100	12	14	10
		20N150	R1/8	9,4	150	9	11	10
		20N150-1/4	R1/4	9,4	150	12	14	10
		20N200	R1/8	9,4	200	9	11	10
		20N200-1/4	R1/4	9,4	200	12	14	10
		20N250	R1/8	9,4	250	9	11	10
		20N250-1/4	R1/4	9,4	250	12	14	10
9	30	30N50	R1/4	13,5	50	12	15	10
		30N100	R1/4	13,5	100	12	15	10
		30N150	R1/4	13,5	150	12	15	10
		30N200	R1/4	13,5	200	12	15	10
		30N250	R1/4	13,5	250	12	15	10



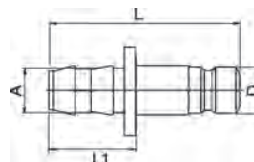
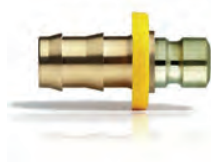
INTERNATIONAL SERIES

90° Male Plug



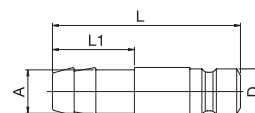
DN	Series	↔	A	D	L	L1	L2	SW	
6	20	20NM10/90	M10x1	9,4	27	9	28,5	11	25
		20NR1/8/90	R1/8	9,4	27	9	28,5	11	25
		20NR1/4/90	R1/4	9,4	27	9	28,5	11	25
9	30	30NR1/4/90	R1/4	13,5	34	9	32	15	25
		30NR3/8/90	R3/8	13,5	34	9	32	15	25

Push Lock - Hosetail Plug



DN	Series	↔	A	D	L	L1	
6	20	20N10-PL	10	9,4	44	28	10
7	30	30N10-PL	10	13,5	44	28	10
9		30N13-PL	13	13,5	44	28	10
15	50	50N19-PL	19	19,8	65	36	5

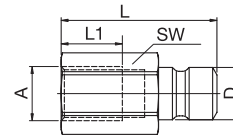
Hosetail Plug



DN	Series	↔	A	D	L	L1	
6	20	20N10	10	9,4	39	22	25
		20N13	13	9,4	39	22	25
7	30	30N10	10	13,4	41	25	25
9		30N13	13	13,4	41	25	25
15	50	50N19	19	13,4	41	25	10

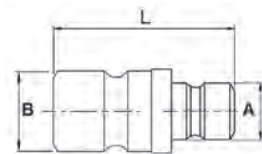
See explanation of symbols on page 404

Female Plug



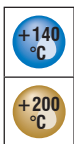
(DN)	Series	↔	A	D	L	L1	SW	
6	20	20NR1/8I	G1/8	9,4	28	11	13	25
		20NR1/4I	G1/4	9,4	32	13	16	25
		20NR3/8I	G3/8	9,4	34	13	19	25
9	30	30NR1/4I	G1/4	13,5	37	13	16	25
		30NR3/8I	G3/8	13,5	39	13	19	25

Double Plug



(DN)	A Series	B Series	↔	L	
6	20	20	2020DB	31	10
		30	2030DB	31	10
9	30		3030DB	34	10

Replacement Seals FKM



S	Series	Part No.	
6	20	200V	10
9	30	300V	10
16	50	500V	10

