

FRENCH MATIC SERIES

Nominal Diameter

6 / 9 / 12 / 16 / 25

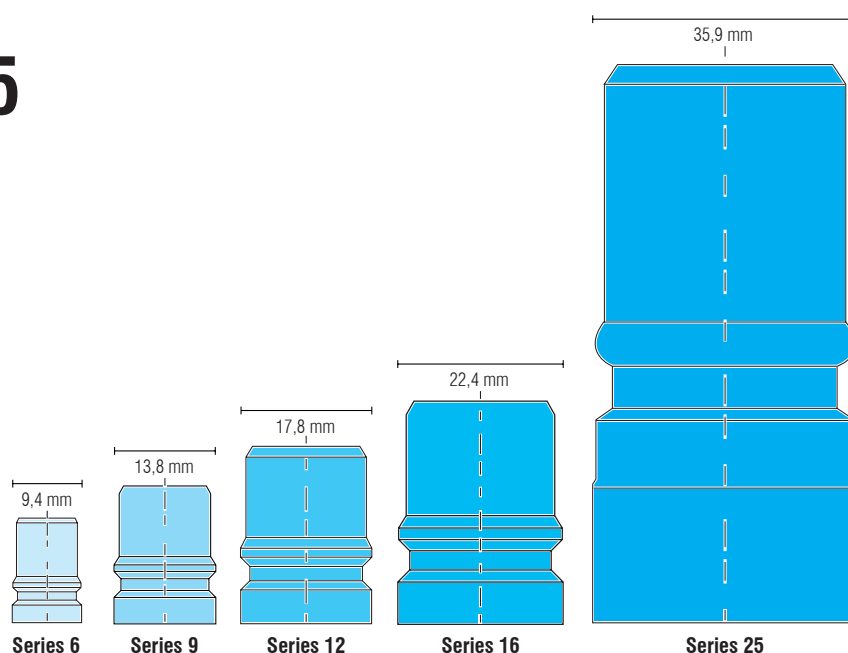
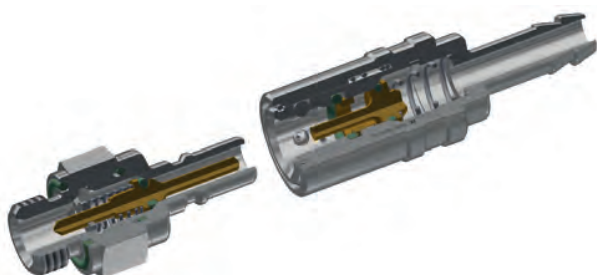


Illustration scale 1:1



Technical Description

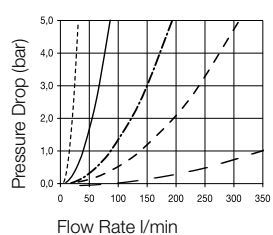
Coupling series especially developed for connecting coolant lines on injection moulds.

Fully interchangeable with other brands with same plug profiles.

All dimensions and tolerances are made according to original specs.

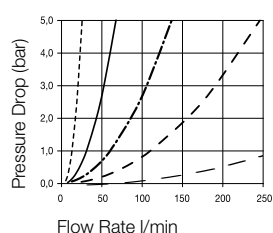
Chart

Single Shut-Off



Series 25
Kv=28.3
Series 16
Kv=9.62
Series 12
Kv=5.12
Series 9
Kv=2.59
Series 6
Kv=0.83

Double Shut-Off



Series 25
Kv=26
Series 16
Kv=8.99
Series 12
Kv=4.84
Series 9
Kv=1.98
Series 6
Kv=0.76

Material

Coupling

Body	Brass, Nickel Plated
Locking Balls	AISI 420
Spring	AISI 301
Seal	FKM

Plug

	Series 6/9/12	Series 16/25
Plug Profile	Brass, Nickel Plated	Steel, Zinc Plated
Back Body	Brass, Nickel Plated	Brass, Nickel Plated
Valve	Brass	Brass
Spring	AISI 301	AISI 301
Seal	FKM	FKM

Working Pressure

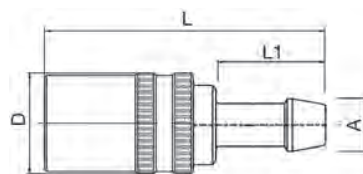
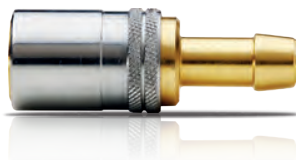
15 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature

Water -15°C up to +140°C

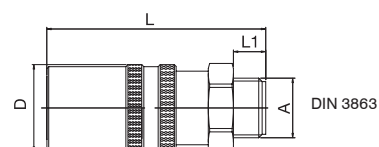
Oil -15°C up to +180°C

Straight Coupling



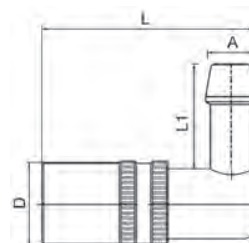
DN	Series	Symbol	A	D	L	L1	Icon
6	6	F6K8V	8	20	58	22	10
9	9	F9K12V	12	24	71	25	10
12	12	F12K16V	16	32	90,5	32	10
16	16	F16K19V	19	38	112,5	36	5

Male Threaded Coupling



DN	Series	Symbol	A	D	L	L1	Icon
6	6	F6KUR1/4V	G 1/4	20	54	9	10
9	9	F9KUR3/8V	G 3/8	24	61,0	9	10
12	12	F12KUR1/2V	G 1/2	32	74,5	12	10
16	16	F16KUR3/4V	G 3/4	38	90,5	17	5
25	25	F25KUR1/1V	G 1	60	142	19	1
		F25KUR1-1/4V	G 1-1/4	60	144	22	1

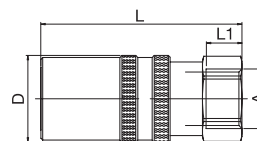
90° Coupling



DN	Series	Symbol	A	D	L	L1	Icon
6	6	F6K8V/90	8	20	60,5	22	10
9	9	F9K10V/90	10	24	60,5	22	10
		F9K12V/90	12	24	60,5	28,5	10

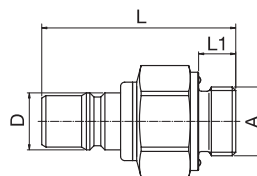
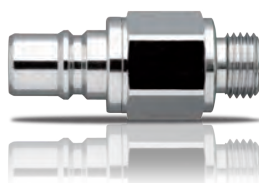
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Female Threaded Coupling



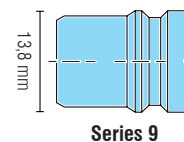
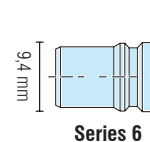
DN	Series	Symbol	A	D	L	L1	Icon
6	6	F6KIR1/4V	G 1/4	20	45	10	10
9	9	F9KIR3/8V	G 3/8	24	53	10	10
12	12	F12KIR1/2V	G 1/2	32	67	12	10
16	16	F16KIR3/4V	G 3/4	38	90	20	5
25	25	F25KIR1/1V	G 1	60	140	21	1
		F25KIR1-1/4V	G 1.1/4	60	140	21	1

Valved Plug

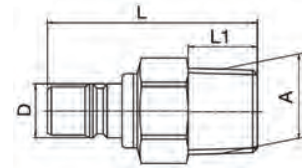
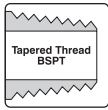


DN	Series	Symbol	A	D	L	L1	HEX	Icon
6	6	F6NR1/8V	G 1/8	9,4	45	7	17	10
9	9	F9NR1/4V	G 1/4	13,8	45	9	19	10
		F9NR3/8V	G 3/8	13,8	48	12	24	10
		F9NR1/2V	G 1/2	13,8	50	12	27	10
12	12	F12NR3/8V	G 3/8	17,8	60	9	24	10
		F12NR1/2V	G 1/2	17,8	62	12	27	10
		F12NR3/4V	G 3/4	17,8	64	16	32	10
16	16	F16NR3/4V	G 3/4	22,4	78	16	34	5
		F16NR1/1V	G 1	22,4	81	19	41	5
25	25	F25NR1/1V	G 1	36	149,5	19	50	1
		F25NR1-1/4V	G 1 1/4	36	152,5	22	50	1

See explanation of symbols on page 404

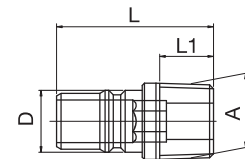
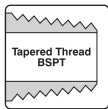


Valved Plug Taper Thread



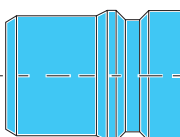
DN	Series		A	D	L	L1	HEX	
6	6	F6NT1/8V	1/8	9,4	45,8	10	17	10
		F6NT1/4V	1/4	9,4	44,8	12	17	10
9	9	F9NT1/4V	1/4	13,8	48,5	12	19	10
		F9NT3/8V	3/8	13,8	47	12	19	10
12	12	F12NT3/8V	3/8	17,8	63	13	24	10
		F12NT1/2V	1/2	17,8	64,5	17	24	10
16	16	F16NT3/4V	3/4	22,4	83	21	32	5

Male Plug with Inner Hex



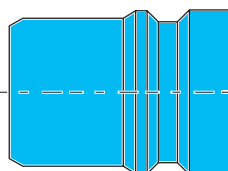
DN	Series		A	D	L	L1	HEX	
6	6	F6NR1/8	R 1/8	10	30	9	5	10
9	9	F9NR1/4	R 1/4	13,8	35	12	8	10
		F9NR3/8	R 3/8	13,8	35	12	8	10
12	12	F12NR3/8	R 3/8	17,8	40	12	10	10

17,8 mm



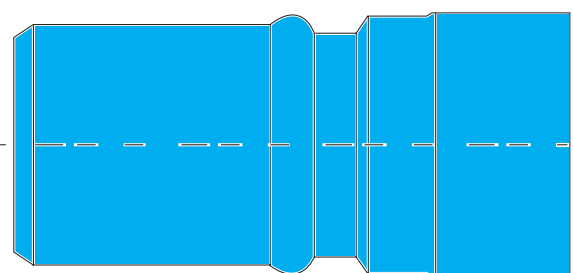
Series 12

22,4 mm



Series 16

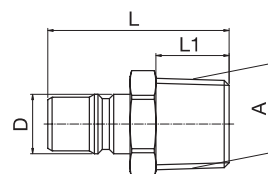
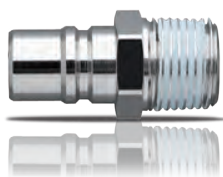
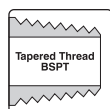
35,9 mm



Series 25

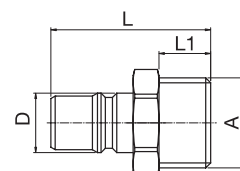
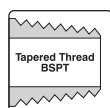
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Male Plug Taper Thread



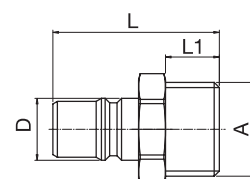
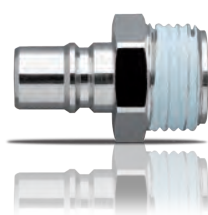
DN	Series	↔	A	D	L	L1	HEX	
12	12	F12NR1/2	R 1/2	17,8	42	17	22	10
16	16	F16NR3/4	R 3/4	22,4	59	19	27	10

Valved Plug Short Model



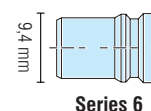
DN	Series	↔	A	D	L	L1	HEX	
9	9	F9NR1/2V-S	R 1/2	13,8	37	12	22	10
12	12	F12NR3/4V-S	R 3/4	17,8	46	16	27	10

Male Plug

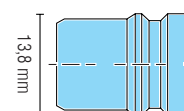


DN	Series	↔	A	D	L	L1	HEX	
9	9	F9NR1/2	G 1/2	13,8	37	12	22	10
12	12	F12NR3/4	G 3/4	17,8	46	16	27	10

See explanation of symbols on page 404

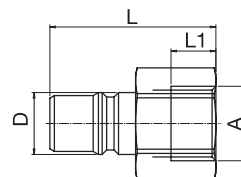


Series 6



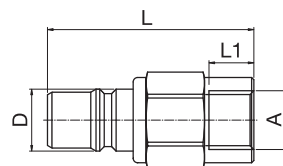
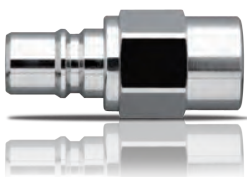
Series 9

Female Plug

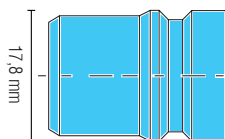


DN	Series	↔	A	D	L	L1	HEX	
6	6	F6NR1/4I	G 1/4	9,4	34	11	17	10
9	9	F9NR3/8I	G 3/8	13,8	37	10	22	10
12	12	F12NR1/2I	G 1/2	17,8	45	12	27	10
25	25	F25NR1/1I	G 1	36	100	20	41	1

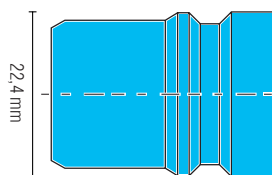
Female Plug Valved



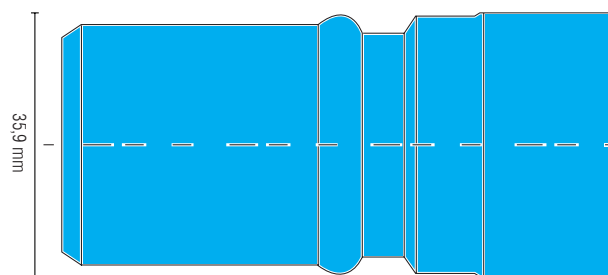
DN	Series	⚙	A	D	L	L1	HEX	
9	9	F9NR1/4VI	G 1/4	13,8	46	10	19	10
		F9NR3/8VI	G 3/8	13,8	48	10	22	10
16	16	F16NR3/4VI	G 3/4	22,4	80,5	16	32	5
25	25	F25NR1/1VI	G 1	36	148,5	20	50	1
		F25NR1-1/4VI	G 1-1/4	36	158	20	50	1



Series 12



Series 16



Series 25