

Quick-release couplings

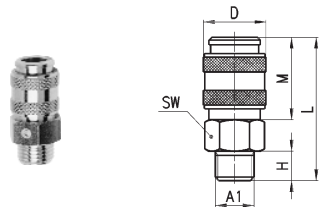
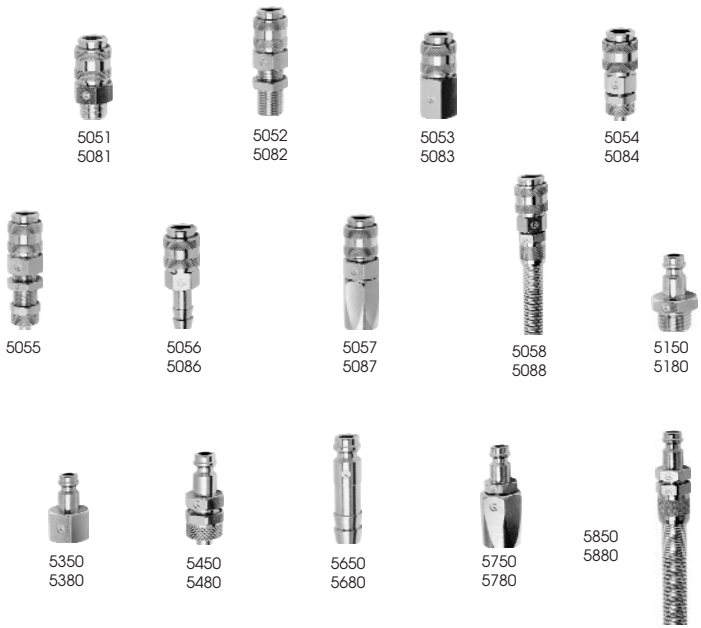
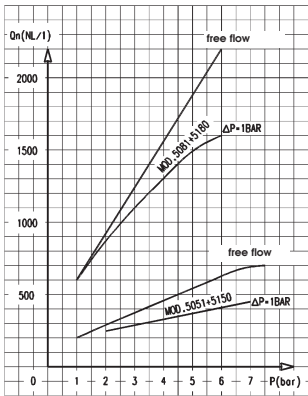
Nominal diameter \varnothing 5 and 8
Connections G1/8 - G1/4 - G3/8 - G1/2
Plastic tubes 6/4 - 8/6 - 10/8
Rubber hoses 6x14 - 8x17 - 10x 19 - 13x23



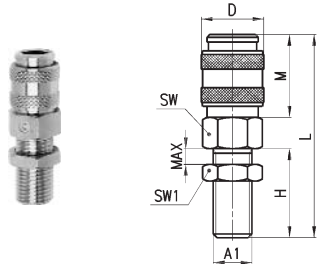
Quick-release couplings (G1/8, G1/4, G3/8 and G1/2) have been designed to cater for all those situations where, for plant engineering or safety reasons, the tubing in a plant must be frequently connected or disconnected. Quick-release couplings allow these operations to be performed without having to release the pressure and therefore save a considerable amount of time. The third digit in the code (5 or 8) indicates the orifice and hence the size as well. Models which have the same third digit can be coupled together.

General data	
valve group	quick release valve
construction	poppet type
mounting	threaded
materials	brass OT58 nickel-plated, NBR seals (coupling dia. 8 hardened galvanized steel)
connections	1/8" GAS - 1/4" GAS - 3/8" GAS - 1/2" GAS - for plastic tubing and rubber hose
installation	according to requirements
fluid	compressed air (for other types of fluid, contact our engineers)
operating temperature	0 - 80°C (using dry air -20°C)
lubricant	compatible with NBR (3° ÷ 10° E)
Pneumatic data	
operating pressure	0 ÷ 12 bar
nominal pressure	6 bar
nominal flow	see graph
nominal diameter	5 or 7 mm

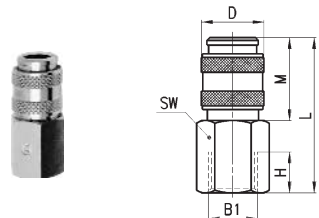
Flowrate diagram for QUICK-RELEASE COUPLINGS.
The graph below is intended to give the an indication as to which model to use in relation to the operating pressure and required flowrate. the measurements were taken using the models indicated below and represent the ideal maximum flowrate conditions. If tubes of inferior quality are used, allowances must be made for poorer performance.



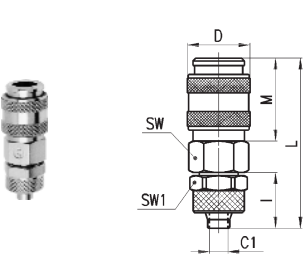
Mod.	A1	\varnothing	D	H	L	M	SW
5051 - 1/8 - 5	17	6	35	20.5	14		
5051 - 1/4 - 5	17	8	37	20.5	17		
5081 - 1/4 - 7	25	8	47.5	34.5	22		
5081 - 3/8 - 7	25	9	48.5	34.5	22		
5081 - 1/2 - 7	25	10	49.5	34.5	24		



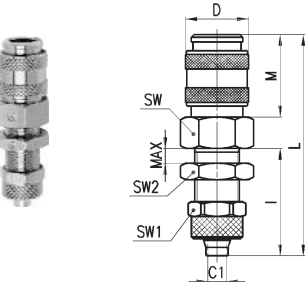
Mod.	A1	\varnothing	D	H	L	M	max SW	SW1
5052 - 1/8 - 5	17	23	52	20.5	12	14	14	
5052 - 1/4 - 5	17	24	53	20.5	12	17	17	
5082 - 1/4 - 7	25	24	63.5	34.5	12	22	17	



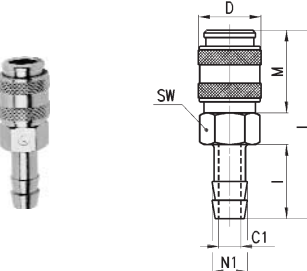
Mod.	B1	\varnothing	D	H	L	M	SW
5053 - 1/8 - 5	17	7.5	36.5	20.5	14		
5053 - 1/4 - 5	17	11	40	20.5	17		
5083 - 1/4 - 7	25	11	49.5	34.5	22		
5083 - 3/8 - 7	25	11.5	49.5	34.5	22		
5083 - 1/2 - 7	25	11	49.5	34.5	24		



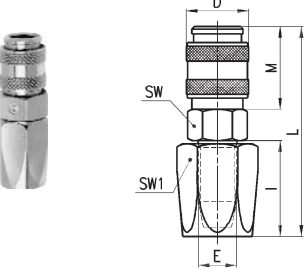
Mod.	Tube	Ø	C1	D	I	L	M	SW	SW1
5054	- 6 x 14	5	3	17	15	44	20.5	14	12
5054	- 8 x 6	5	5	17	15	44	20.5	14	14
5084	- 8 x 6	7	5	25	15	54.5	34.5	22	14
5084	- 10 x 8	7	6.5	25	16.5	56	34.5	22	16



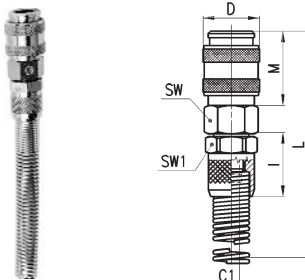
Mod.	Tube	Ø	C1	D	I	L	M	Max	SW	SW1	SW2
5055	- 6 x 14	5	3	17	29	58	20.5	10	14	12	14
5055	- 8 x 6	5	5	17	29	58	20.5	11	17	14	17



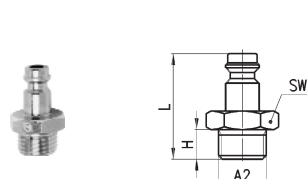
Mod.	N1	Ø	C1	D	I	L	M	SW
5056	- 06	5	3	17	20	49	20.5	14
5056	- 09	5	5	17	20	49	20.5	14
5086	- 09	7	5	25	20	59.5	34.5	22
5086	- 12	7	8	25	20	59.5	34.5	22



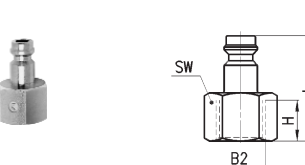
Mod.	Tube	Ø	E	D	I	L	M	SW	SW1
5057	- 6 x 14	5	9	17	25	54.5	20.5	17	17
5087	- 6 x 14	7	9	25	25	64.5	34.5	22	17
5087	- 8 x 17	7	10	25	25	64.5	34.5	22	19
5087	- 10 x 19	7	12	25	27	66.5	34.5	22	22
5087	- 13 x 23	7	15	25	37	76.5	34.5	22	27



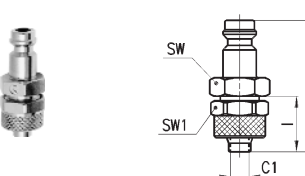
Mod.	Tube	Ø	C1	D	I	M	L	SW	SW1
5058	- 6 x 14	5	3	17	19	20.5	120.5	14	12
5058	- 8 x 6	5	5	17	19	20.5	124.5	14	14
5088	- 8 x 6	7	5	25	19	34.5	135	22	14
5088	- 10 x 8	7	6.5	25	21.5	34.5	139.5	22	16



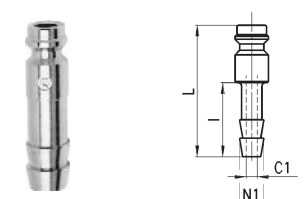
Mod.	A2	Ø	H	L	SW
5150	- 1/8	5	6	26	14
5150	- 1/4	5	8	28.5	17
5180	- 1/4	7	8	33	17
5180	- 3/8	7	9	34	19
5180	- 1/2	7	10	35.5	24



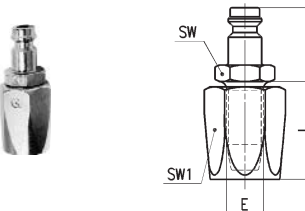
Mod.	B2	Ø	H	L	SW
5350	- 1/8	5	7.5	25.5	14
5350	- 1/4	5	11	28.5	17
5380	- 1/4	7	11	33	17
5380	- 3/8	7	11.5	33.5	19
5380	- 1/2	7	14	37	24



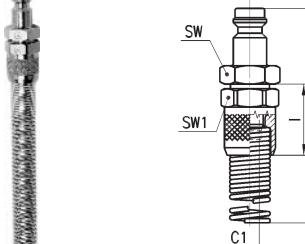
Mod.	Tube	Ø	C1	I	L	SW	SW1
5450	- 6 x 14	5	3	15	35	12	12
5450	- 8 x 6	5	5	15	35.5	14	14
5480	- 8 x 6	7	5	15	39.5	14	14
5480	- 10 x 8	7	6.5	16.5	41.5	17	16



Mod.	N1	Ø	C1	I	L
5650	- 06	5	3	20	35.5
5650	- 09	5	5	20	35.5
5680	- 06	7	3	20	40
5680	- 09	7	5	20	40
5680	- 12	7	7	20	40



Mod.	Tube	Ø	E	I	L	SW	SW1
5750	- 6 x 14	5	9	25	45	14	17
5780	- 6 x 14	7	9	25	50	14	17
5780	- 8 x 17	7	10	25	50	14	19
5780	- 13 x 23	7	15	37	62	19	27



Mod.	Tube	Ø	C1	I	L	SW	SW1
5850	- 6 x 14	5	3	19	111.5	12	12
5850	- 8 x 6	5	5	19	116	14	14
5880	- 8 x 6	7	5	19	120	14	14
5880	- 10 x 8	7	6.5	21.5	125	17	16

