

Screw fittings - Nickel-plated brass Series SC



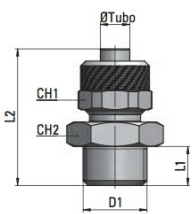
Design type	Screw fitting with union nut
Connection	1/8" ... 1/2" optionally cylindrical to ISO 228/1 or tapered to ISO 7/1, M5 according to ISO R/262
Tube outside diameter	4...15 mm
Materials	Nickel-plated brass
recommended Tube materials	Polyamide (PA), Polyurethane (PU/CP), Polyethylene (PE), PTFE (PT)
Tube tolerances	+/- 0,05mm up to diameter 10mm, +/- 0,1mm from diameter 12mm
Medium	Compressed air, neutral gases
Medium temperature	-20...+70°C (-40...+150°C on request)
Operating pressure	-1...18bar or rather -1...25bar, depending on the maximum pressure of the pipe used

Assembly instructions

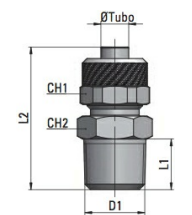
1. Cut hose squarely
2. Slide the union nut onto the hose
3. Push the tube and union nut over the tube cone up to the stop
4. Tighten the union nut by hand or, if necessary, with a wrench



SC12 Straight male connector - Cylindrical thread, Pressure -1...18bar

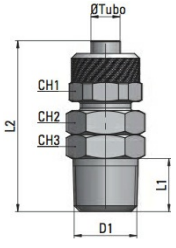
	Tube diameter D / d [mm]	Cylindrical thread		L1	L2	CH1	CH2	Weight [g]	Type
		D1	L1						
	4/2,5	M5x0,8	5	20	7	7	3,5	SC12-04-M5-N-D	
	4/2,5	G1/8"	6	22,5	7	14	10	SC12-04-18-N-D	
	5/3	M5x0,8	4	20	8	8	5	SC12-05-M5-N-0	
	5/3	G1/8"	6	23	8	14	14,5	SC12-05-18-N-0	
	6/4	M5x0,8	4	21	9	8	6	SC12-06-M5-N-0	
	6/4	M12x1,25	8	28	12	17	21	SC12-06-12X1,25-N-D	
	6/4	M12x1,5	8	28	12	17	21	SC12-06-12X1,5-N-D	
	6/4	G1/8"	5,5	23,5	10	14	16	SC12-06-18-N-0	
	6/4	G1/4"	6,5	25,5	10	16	24	SC12-06-14-N-0	
	6/4	G3/8"	9	28	10	19	28	SC12-06-38-N-0	
	6/4	G1/2"	10	30	10	24	37	SC12-06-12-N-0	
	8/6	G1/8"	5,5	23	12	14	19	SC12-08-18-N-0	
	8/6	G1/4"	6,5	25,5	12	16	25	SC12-08-14-N-0	
	8/6	G3/8"	9	28	12	19	30	SC12-08-38-N-0	
	8/6	G1/2"	10	30	12	24	40	SC12-08-12-N-0	
	10/8	G1/8"	5,5	26,5	14	14	23	SC12-10-18-N-0	
	10/8	G1/4"	6,5	28,5	14	16	29	SC12-10-14-N-0	
	10/8	G3/8"	9	30	14	19	32	SC12-10-38-N-0	
	10/8	G1/2"	10	32	14	24	45	SC12-10-12-N-0	
	12/10	G3/8"	9	30,5	15	19	39	SC12-12-38-N-0	
12/10	G1/2"	10	32,5	15	24	53	SC12-12-12-N-0		
15/12,5	G1/2"	10	34,5	22	24	58	SC12-15-12-N-0		

SC12C Straight male connector - Tapered thread, Pressure -1...25bar

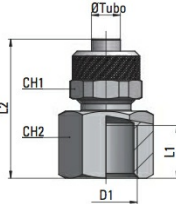
	Tube diameter D / d [mm]	Tapered thread		L1	L2	CH1	CH2	Weight [g]	Type
		D1	L1						
	4/2,5	R1/8"	7,5	23,5	7	11	7	SC12C-04-18-N	
	5/3	R1/8"	8	25	8	12	9	SC12C-05-18-N	
	6/4	R1/8"	8	27,5	12	12	18	SC12C-06-18-N	
	6/4	R1/4"	11	31	12	14	21	SC12C-06-14-N	
	6/4	R3/8"	11,5	31,5	12	17	25	SC12C-06-38-N	
	8/6	R1/8"	8	27,5	14	12	18	SC12C-08-18-N	
	8/6	R1/4"	11	31	14	14	23	SC12C-08-14-N	
	8/6	R3/8"	11,5	31,5	14	17	29	SC12C-08-38-N	
	10/8	R1/8"	8	29,5	16	14	22	SC12C-10-18-N	
	10/8	R1/4"	11	32,5	16	14	27	SC12C-10-14-N	
	10/8	R3/8"	11,5	33	16	17	34	SC12C-10-38-N	
	10/8	R1/2"	14	36	16	22	48	SC12C-10-12-N	
	12/10	R3/8"	11,5	34,5	18	17	37	SC12C-12-38-N	
	12/10	R1/2"	14	37,5	18	22	50	SC12C-12-12-N	
	15/12,5	R1/2"	14	39,5	22	22	62	SC12C-15-12-N	



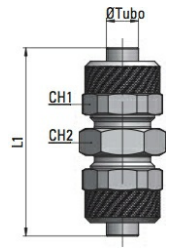
SC12C Swivel straight male stud fitting - Tapered thread, Pressure -1...18bar

	Tube diameter D / d [mm]	D1	L1	L2	CH1	CH2	CH3	Weight [g]	Type
	6/4	R1/8"	8	37	12	12	12	22	SC12C-06-18-N-360YA
6/4	R1/4"	11	40	12	14	14	28	SC12C-06-14-N-360YA	
8/6	R1/8"	8	37	14	12	12	26	SC12C-08-18-N-360YA	
8/6	R1/4"	11	40	14	14	14	30	SC12C-08-14-N-360YA	
10/8	R1/4"	11	42	16	14	14	34	SC12C-10-14-N-360	
10/8	R3/8"	11,5	39	16	14	17	43	SC12C-10-38-N-360	

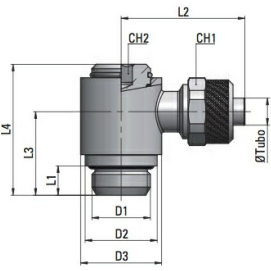
SC13 Straight male stud fitting, Pressure -1...25bar

	Tube diameter D / d [mm]	D1	L1	L2	CH1	CH2	Weight [g]	Type
	5/3	G1/8"	8	22,5	8	14	13	SC13-05-18-N
6/4	G1/4"	11	29	12	17	26	SC13-06-14-N	
8/6	G1/8"	8	25	14	14	22	SC13-08-18-N	
8/6	G1/4"	11	29	14	17	29	SC13-08-14-N	
8/6	G3/8"	11,5	29,5	14	20	31	SC13-08-38-N	
8/6	G1/2"	15	33	12	24	61	SC13-08-12-N	
10/8	G1/4"	11	30,5	16	17	32	SC13-10-14-N	
10/8	G3/8"	11,5	31	16	20	38	SC13-10-38-N	
12/10	G3/8"	11,5	32,5	18	20	54	SC13-12-38-N	

SC13 Straight connector, Pressure -1...25bar

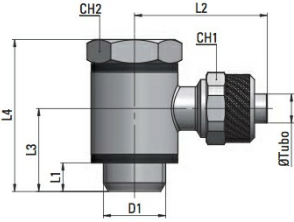
	Tube diameter D1 [mm]	Tube diameter D2 [mm]	L1	CH1	CH2	Weight [g]	Type
	5/3	5/3	28,5	8	8	8	SC13-05-N
6/4	6/4	34,5	12	12	21	SC13-06-N	
8/6	8/6	35	14	14	25	SC13-08-N	
10/8	10/8	38	16	14	38	SC13-10-N	
12/10	12/10	41	18	17	47	SC13-12-N	
15/12,5	15/12,5	45,5	22	22	83	SC13-15-N	

SC14 Swivel elbow male stud fitting, Pressure -1...18bar

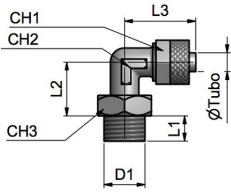
	Tube diameter D / d [mm]	D1	D2	D3	L1	L2	L3	L4	CH1	CH2	Weight [g]	Type
	6/4	G1/8"	14	14	5	25	16,5	25,5	12	4	27	SC14-06-18-N-0-360
6/4	G1/4"	16	18	6,5	26,5	19	29	12	5	42	SC14-06-14-N-0-360	
8/6	G1/8"	14	14	5	25	16,5	25,5	14	4	29	SC14-08-18-N-0-360	
8/6	G1/4"	16	18	6,5	27,5	19	29	14	5	44	SC14-08-14-N-0-360	
10/8	G1/4"	16	18	6,5	28,5	19	29	16	5	46	SC14-10-14-N-0-360	
10/8	G3/8"	21	18	7	30,5	23,5	32,5	16	8	69	SC14-10-38-N-0-360	



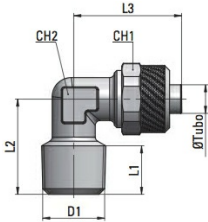
SC14 L swivel fitting, Pressure -1...18bar

	Tube diameter D / d [mm]	D1	L1	L2	L3	L4	CH1	CH2	Weight [g]	Type
	4/2,5	M5x0,8	4	19	9,5	19	7	8	9	SC14-04-M5-N
4/2,5	G1/8"	6	21,5	16,5	27	7	14	28	SC14-04-18-N	
5/3	M5x0,8	4	19	9,5	19	8	8	11	SC14-05-M5-N	
5/3	G1/8"	6	25	16,5	27	8	14	27	SC14-05-18-N	
6/4	M5x0,8	4	19	9,5	19	9	8	11	SC14-06-M5-N	
6/4	G1/8"	6	25	16,5	27	12	14	32	SC14-06-18-N	
6/4	G1/4"	8	26,5	19,5	31,5	12	17	52	SC14-06-14-N	
8/6	G1/8"	6	25	16,5	27	14	14	34	SC14-08-18-N	
8/6	G1/4"	8	27,5	19,5	31,5	14	17	55	SC14-08-14-N	
8/6	G3/8"	9	29,5	23,5	36	14	20	82	SC14-08-38-N	
10/8	G1/4"	8	28,5	19,5	31,5	16	17	57	SC14-10-14-N	
10/8	G3/8"	9	30,5	23,5	36	16	20	85	SC14-10-38-N	

SC16 Swivel elbow male stud fitting - Cylindrical thread, Pressure -1...18bar

	Tube diameter D / d [mm]	D1	L1	L2	L3	CH1	CH2	CH3	Weight [g]	Type
	6/4	G1/8"	6	16	22,5	12	8	14	23	SC16-06-18-N-0-360
6/4	G1/4"	8	17	23	12	10	17	35	SC16-06-14-N-0-360	
8/6	G1/8"	6	15	23	14	10	14	29	SC16-08-18-N-0-360	
8/6	G1/4"	8	17	23	14	10	17	36	SC16-08-14-N-0-360	
10/8	G1/4"	8	18	25	16	11	17	43	SC16-10-14-N-0-360	

SC16C Male elbow screw-in fitting - Tapered thread, Pressure -1...25bar

	Tube diameter D / d [mm]	D1	L1	L2	L3	CH1	CH2	Weight [g]	Type
	4/2,5	M5x0,8	5	15,5	20	7	9	10	SC16C-04-M5-N
4/2,5	R1/8"	7,5	17	20	7	9	11	SC16C-04-18-N	
5/3	R1/8"	8	17	21,5	8	8	11	SC16C-05-18-N	
6/4	M12x1,25	9	21	22,5	12	10	23	SC16C-06-M12X1,25-N	
6/4	M12x1,5	9	21	22,5	12	10	19	SC16C-06-M12X1,5-N	
6/4	R1/8"	8	17	22,5	12	8	16	SC16C-06-18-N	
6/4	R1/4"	11	20	22,5	12	10	22	SC16C-06-14-N	
6/4	R3/8"	11,5	22,5	23,5	12	11	30	SC16C-06-38-N	
8/6	R1/8"	8	17	22,5	14	10	20	SC16C-08-18-N	
8/6	R1/4"	11	20	22,5	14	10	23	SC16C-08-14-N	
8/6	R3/8"	11,5	22,5	24	14	11	31	SC16C-08-38-N	
10/8	R1/8"	8	18,5	25,5	16	11	28	SC16C-10-18-N	
10/8	R1/4"	11	21,5	25,5	16	11	31	SC16C-10-14-N	
10/8	R3/8"	11,5	22,5	25,5	16	11	36	SC16C-10-38-N	
10/8	R1/2"	14	28	25,5	16	17	40	SC16C-10-12-N	
12/10	R3/8"	11,5	24,5	30	18	14	46	SC16C-12-38-N	
12/10	R1/2"	14	28	30,5	18	17	60	SC16C-12-12-N	
15/12,5	R1/2"	14	28	34	22	17	69	SC16C-15-12-N	



SC17 Elbow connector, Pressure -1...25bar

Tube diameter D / d [mm]	L1	L2	CH1	CH2	Weight [g]	Type
5/3	21,5	21,5	8	8	13	SC17-05-N
6/4	21,5	21,5	12	8	23	SC17-06-N
8/6	22,5	22,5	14	10	28	SC17-08-N
10/8	25,5	25,5	16	11	38	SC17-10-N
12/10	30	30	18	14	60	SC17-12-N
15/12,5	34	34	22	17	84	SC17-15-N

SC17 Male elbow screw-in fitting, Pressure -1...25bar

Tube diameter D / d [mm]	D1	L1	L2	L3	CH1	CH2	Weight [g]	Type
5/3	G1/8"	8	19	21,5	8	10	21	SC17-05-18-N
6/4	G1/8"	8	19	22,5	12	10	21	SC17-06-18-N
6/4	G1/4"	10,5	23	25	12	11	30	SC17-06-14-N
8/6	G1/8"	8	19	22,5	14	10	28	SC17-08-18-N
8/6	G1/4"	10,5	23	25	14	11	31	SC17-08-14-N
10/8	G1/4"	11	23,5	26	16	13	33	SC17-10-14-N
12/10	G3/8"	11,5	28	30,5	18	17	70	SC17-12-38-N

SC20 Cross connector, Pressure -1...25bar

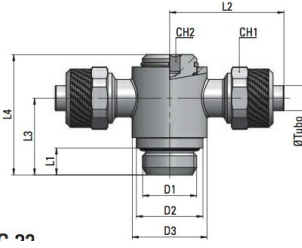
Tube diameter D / d [mm]	L1	L2	CH1	CH2	Weight [g]	Type
5/3	43	43	8	8	45	SC20-05-N
6/4	45	45	12	8	45	SC20-06-N
8/6	45	45	14	10	52	SC20-08-N
10/8	51	51	16	11	72	SC20-10-N

SC21C T male stud coupling - Tapered thread, Pressure -1...25bar

Tube diameter D / d [mm]	D1	L1	L2	L3	CH1	CH2	Weight [g]	Type
5/3	R1/8"	8	17	43	8	8	18	SC21C-05-18-N
6/4	R1/8"	8	17	45	12	8	26	SC21C-06-18-N
6/4	R1/4"	11	20,5	45,5	12	10	35	SC21C-06-14-N
8/6	R1/8"	8	17,5	45,5	14	10	34	SC21C-08-18-N
8/6	R1/4"	11	20,5	45,5	14	10	41	SC21C-08-14-N
10/8	R1/4"	11	21,5	51	16	11	47	SC21C-10-14-N
10/8	R3/8"	11,5	22,5	51	16	11	51	SC21C-10-38-N
12/10	R3/8"	11,5	24,5	60	18	14	75	SC21C-12-38-N
12/10	R1/2"	14	28	61	18	17	100	SC21C-12-12-N
15/12,5	R1/2"	14	28	68	22	17	102	SC21C-15-12-N

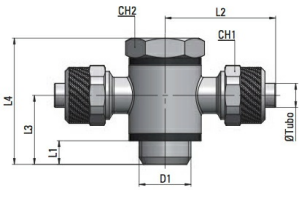


SC22 Swivel T male stud fitting, Pressure -1...18bar



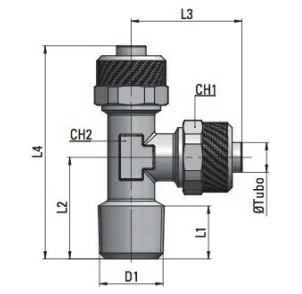
Tube diameter D / d [mm]	D1	D2	D3	L1	L2	L3	L4	CH1	CH2	Weight [g]	Type
6/4	G1/8"	14	14	5	25	16,5	25,5	12	4	39	SC22-06-18-N-0-360
6/4	G1/4"	16	18	6,5	26,5	19	29	12	5	53	SC22-06-14N-0-360
8/6	G1/8"	14	14	5	25	16,5	25,5	14	4	41	SC22-08-18N-0-360
8/6	G1/4"	16	18	6,5	27,5	19	29	14	5	57	SC22-08-14N-0-360
10/8	G1/4"	16	18	6,5	28,5	19	29	16	5	64	SC22-10-14N-0-360
10/8	G3/8"	21	22	7	30,5	23,5	32,5	16	8	85	SC22-10-38N-0-360

SC22 T swivel fitting, Pressure -1...18bar



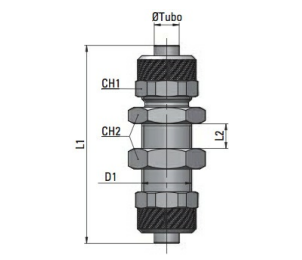
Tube diameter D / d [mm]	D1	L1	L2	L3	L4	CH1	CH2	Weight [g]	Type
5/3	M5x0,8	4	17	9,5	19	8	8	15	SC22-05-M5-N
5/3	G1/8"	6	25	16,5	27	8	14	45	SC22-05-18-N
6/4	M5x0,8	4	17	9,5	19	9	8	16	SC22-06-M5-N
6/4	G1/8"	6	25	16,5	27	12	14	45	SC22-06-18-N
6/4	G1/4"	8	26,5	19,5	31,5	12	17	63	SC22-06-14-N
8/6	G1/8"	6	25	16,5	27	14	14	46	SC22-08-18-N
8/6	G1/4"	8	27,5	19,5	31,5	14	17	67	SC22-08-14-N
8/6	G3/8"	9	29,5	23,5	36	14	20	96	SC22-08-38-N
10/8	G1/4"	8	28,5	19,5	31,5	16	17	72	SC22-10-14-N
10/8	G3/8"	9	30,5	23,5	36	16	20	103	SC22-10-38-N

SC24C T male stud coupling - Tapered thread, Pressure -1...25bar



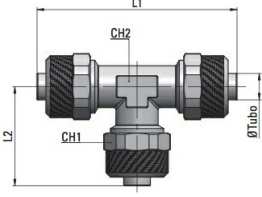
Tube diameter D / d [mm]	D1	L1	L2	L3	L4	CH1	CH2	Weight [g]	Type
5/3	R1/8"	8	17	21,5	38,5	8	8	19	SC24C-05-18-N
6/4	R1/8"	8	17	22,5	39,5	12	8	26	SC24C-06-18-N
6/4	R1/4"	11	20	22,5	42,5	12	10	34	SC24C-06-14-N
8/6	R1/8"	8	17,5	22,5	40,5	14	10	37	SC24C-08-18-N
8/6	R1/4"	11	20,5	22,5	43,5	14	10	40	SC24C-08-14-N
10/8	R1/4"	11	21	25,5	46,5	16	11	48	SC24C-10-14-N
10/8	R3/8"	11,5	22,5	25,5	48	16	11	51	SC24C-10-38-N
12/10	R3/8"	11,5	24,5	30	54,5	18	14	72	SC24C-12-38-N
12/10	R1/2"	14	28	30,5	58,5	18	17	100	SC24C-12-12-N
15/12,5	R1/2"	14	28	34	62	22	17	113	SC24C-15-12-N

SC27 Bulkhead fitting, Pressure -1...25bar

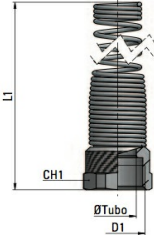


Tube diameter D / d [mm]	D1	L1	L2	CH1	CH2	Weight [g]	Type
5/3	M7x0,75	40	8,5	8	9	12	SC27-05-N
6/4	M10x1	48	10,5	12	14	33	SC27-06-N
8/6	M12x1	48	10,5	14	16	43	SC27-08-N
10/8	M14x1	50	8,5	16	17	53	SC27-10-N
12/10	M16x1	53	8,5	18	19	76	SC27-12-N
15/12,5	M20x1	58	8,5	22	24	105	SC27-15-N

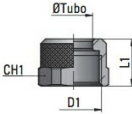
SC29 T-connector, Pressure -1...25bar

	Tube diameter D / d [mm]	L1	L2	CH1	CH2	Weight [g]	Type
	5/3	43	21,5	8	8	17	SC29-05-N
6/4	45	22,5	12	8	32	SC29-06-N	
8/6	45	22,5	14	10	42	SC29-08-N	
10/8	51	25,5	16	11	55	SC29-10-N	
12/10	60	30	18	14	85	SC29-12-N	
15/12,5	68	34	22	17	124	SC29-15-N	

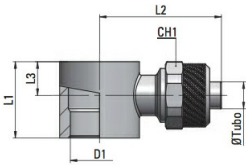
SC32 Union nut with Anti-kink spiral, Pressure -1...25bar

	Tube diameter D / d [mm]	D1	L1	CH1	Weight [g]	Type
	6/4	M10x1	95	12	14	SC32-06-N-YA
8/6	M12x1	93,5	14	18	SC32-08-N-YA	
10/8	M14x1	96,5	16	22	SC32-10-N-YA	
12/10	M16x1	112	15	31	SC32-12-N	

SC33 Union nut, Pressure -1...25bar

	Tube diameter D / d [mm]	D1	L1	CH1	Weight [g]	Type
	4/2,5	M6x0,75	8	7	1	SC33-04-M6X0,75-N
5/3	M7x0,75	8,5	8	1	SC33-05-M7X0,75-N	
6/4	M8x0,75	9	9	2	SC33-06-M8X0,75-N	
6/4	M10x1	10,5	12	4	SC33-06-M10X1-N	
8/6	M12x1	10,5	14	5	SC33-08-M12X1-N	
10/8	M14x1	11,5	16	7	SC33-10-M14X1-N	
12/10	M16x1	13	18	12	SC33-12-M16X1-N	
15/12,5	M20x1	15,5	22	16	SC33-15-M20X1-N	

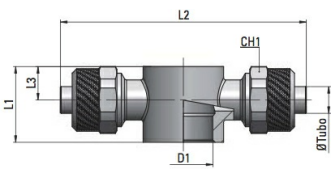
SC35 L-ring piece, Pressure -1...18bar

	Tube diameter D / d [mm]	D1	L1	L2	L3	CH1	Weight [g]	Type
	4/2,5	M5	9	19	4,5	7	7	SC35-04-M5-N
4/2,5	M5	10	19	3,5	7	6	SC35-04-M5-N-M*	
4/2,5	G1/8"	15	21,5	6	7	13	SC35-04-18-N	
5/3	M5	9	19	4,5	8	7,5	SC35-05-M5-N	
5/3	M5	10	19	4	8	6,5	SC35-05-M5-N-M*	
5/3	1/8"	15	25	6	12	20	SC35-05-18-N	
6/4	M5	9	19	4	9	9	SC35-06-M5-N	
6/4	M5	10	19	4,5	9	7	SC35-06-M5-N-M*	
6/4	1/8"	15	25	6	12	19	SC35-06-18-N	
6/4	1/4"	17	26,5	7,5	12	25	SC35-06-14-N	
8/6	1/8"	15	25	6	14	19	SC35-08-18-N	
8/6	1/4"	17	27,5	7,5	14	27	SC35-08-14-N	
8/6	3/8"	20	29,5	7,5	14	39	SC35-08-38-N	
10/8	1/4"	17	28,5	7,5	16	30	SC35-10-14-N	
10/8	3/8"	20	30,5	7,5	16	41	SC35-10-38-N	


*for Swivel throttle valve and Swivel throttle check valve



SC36 T-ring connector piece, Pressure -1...18bar

	Tube diameter D / d [mm]	D1	L1	L2	L3	CH1	Weight [g]	Type
	5/3	M5	9	34	4,5	8	12	SC36-05-M5-N
5/3	1/8"	15	50	6	12	32	SC36-05-18-N	
6/4	M5	9	34	4,5	9	13	SC36-06-M5-N	
6/4	1/8"	15	50	6	12	30	SC36-06-18-N	
6/4	1/4"	17	53	7,5	12	36	SC36-06-14-N	
8/6	1/8"	15	50	6	14	30	SC36-08-18-N	
8/6	1/4"	17	55	7,5	14	39	SC36-08-14-N	
8/6	3/8"	20	59	7,5	14	52	SC36-08-38-N	
10/8	1/4"	17	57	7,5	16	45	SC36-10-14-N	
10/8	3/8"	20	61	7,5	16	56	SC36-10-38-N	

SC40 Sealing cap

	Tube diameter D / d [mm]	Height	max. Pressure 20°C	max. Pressure 30°C	max. Pressure 60°C	max. Pressure 80°C	Type
	5/3	11	16	16	16	16	12
6/4	23	13	10	6	3	3	SC40-06-D
8/6	23	8	6	3	2	2	SC40-08-D

Illustrations non-binding

Design, dimensional and material changes reserved

Pneumatics / Fittings and couplings / Screw fittings / Screw fittings - Nickel plated brass Pressure -1...18bar/25bar

