

- > **Port size: Ø 4 ... 12 mm, M5, 1/8" ... 1/2"** (ISO R/ISO G)
- > **High flow performance**
- > **Adjustment can be locked**
- > **Captive regulator needle will not blow out when unscrewed**
- > **Nickel plated brass components provide corrosion and**
- contamination resistance and an extended life.**
- > **Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing.**
- > **Immediate quality sealing using silicone free U-packing.**



**Technical features**

**Medium:**  
Compressed air  
**Operating:**  
Banjo flow regulators  
**Operating pressure:**  
10 bar max. (145 psi)

**Tube size:**  
4, 6, 8, 10, 12 mm  
**Thread size:**  
M5, 1/8, 1/4, 3/8, 1/2  
ISO G and ISO R

**Tubing types:**  
PA 11 or 12  
PU 85, 95 or 98 durometer  
**Ambient/Media temperature:**  
0°C ... +60°C (+32 ... +140°F)  
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

**Materials:**  
Body: PBT  
Seals: NBR (VMQ free) u-packing and O-rings  
Threaded bodies: nickel plated brass  
Release sleeve and backing ring: POM  
Grab-ring: stainless steel  
Collar: ZNDC  
Thread sealant: Threebond 2350B

**Options selector**

C0★★★★★★

Thread form & flow direction	Substitute
ISO G, flow regulation OUT	K
ISO G, flow regulation IN	L
ISO R, flow regulation IN	S
ISO R, flow regulation OUT	T
Body style and adjustment	Substitute
Banjo with knob (ISO R)	A0
Banjo with shroud	B0
Banjo with knob (ISO G)	51
Universal with knob	56

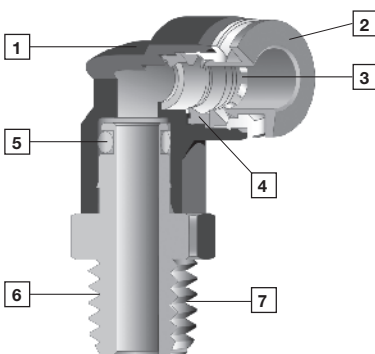
Thread size	Substitute
M5	05
1/8"	18
1/4"	28
3/8"	38
1/2"	48
O/D tube size (mm)	Substitute
4	04
6	06
8	08
10	10
12	12

**Method of assembly**



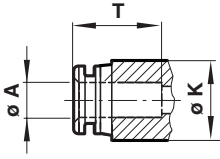
1. Ensure that the end of the tube is cut square and is free from burrs.
2. Push the tube through the collet into the fitting.
3. Continue pushing the tube through the 'O'-ring until it bottoms on the tube stop then pull back.
4. To disconnect push the tube into the fitting, hold down the collet and withdraw the tube.

**Components**



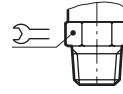
- 1 Impact resistant PBT body in black
- 2 Release buttons are red for metric, grey for inch
- 3 Stainless steel grab ring with special design to retain softer tube and provide easy releasability.
- 4 Silicon free U-packing provides leak tight tube seal under side loading.
- 5 Stem seal provides leak tight 360° swivel connection.
- 6 Nickel plated brass threads and notches on hex to signify NPT.
- 7 Pre-applied thread sealant on tapered threads and recessed captive O-ring on parallel threads.

**Technical data**



Ø A	Ø K	T*1)
4	10,5	15
6	12,5	16,5
8	14,5	18,5
10	17,5	20
12	20,5	23
16	27	23,5

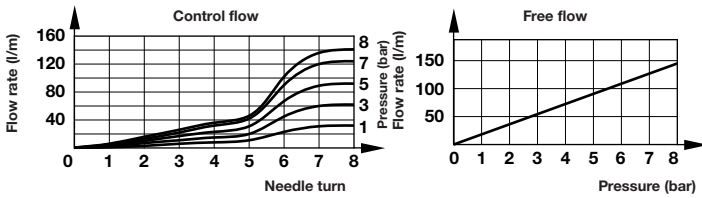
\*1) Dimensions here and in the individual tables refer to the collet being in the 'IN' position.



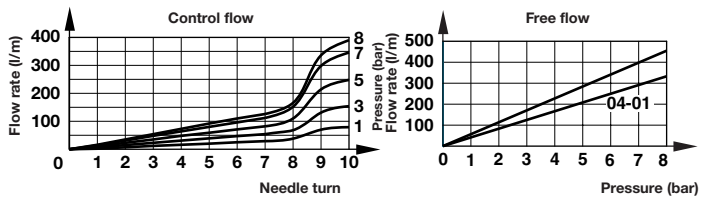
Thread	Recommended torque
M5	1,5 Nm
G1/8	10 Nm
R1/8	7 Nm
G1/4	15 Nm
R1/4	12 Nm
G3/8	25 Nm
R3/8	22 Nm
G1/2	40 Nm
R1/2	28 Nm

**Speed controllers flowrate**

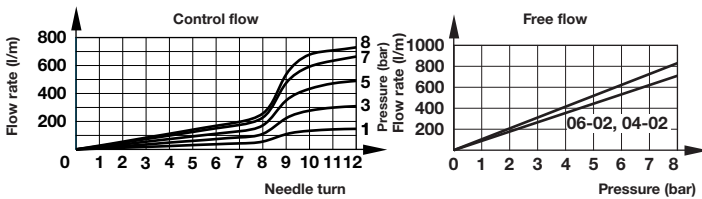
**3, 4 and 6 mm  
M5**



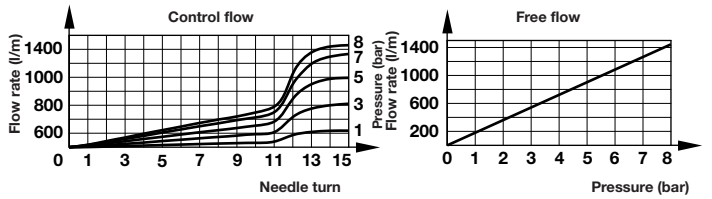
**4, 6 and 8 mm  
1/8**



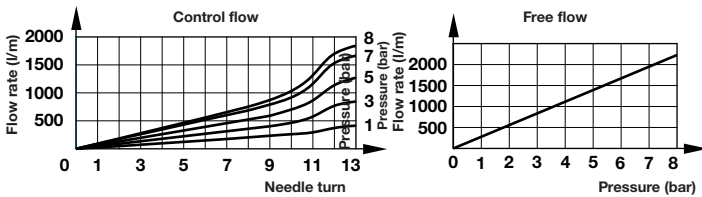
**4, 6, 8, 10 and 12 mm  
1/4**



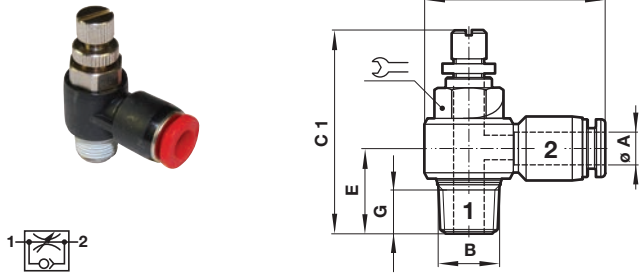
**6, 8, 10 and 12 mm  
3/8**



**8, 10 and 12 mm 1/2**



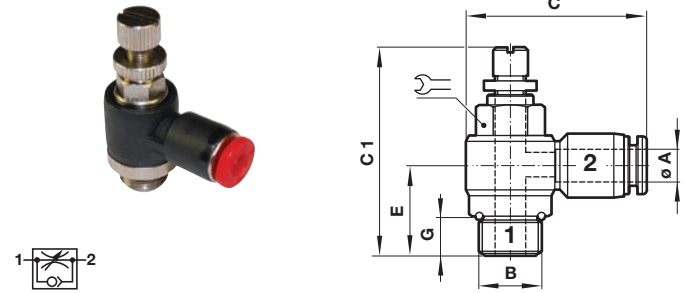
**Banjo flow control (out)**  
**C0TA0**



Ø A	B	C	> C1	< C1	E	G	Hook	Model
4	R1/8	30,5	35	40	14,5	8	11	C0TA00418
4	R1/4	34,5	40	45,5	18	10	15	C0TA00428
6	R1/8	31	35	31	14,5	8	11	C0TA00618
6	R1/4	35	40	45,5	18	10	15	C0TA00628
6	R3/8	38,5	46,5	55	21	11	19	C0TA00638
8	R1/8	33	35	40	15,5	8	11	C0TA00818
8	R1/4	37	40	45,5	19	10	15	C0TA00828
8	R3/8	40	46,5	55	21	11	19	C0TA00838
8	R1/2	46	53	60	25	14	24	C0TA00848
10	R1/4	39	40	45,5	20	10	15	C0TA01028
10	R3/8	42	46,5	55	22,5	11	19	C0TA01038
10	R1/2	47,5	53	60	25	14	24	C0TA01048
12	R1/4	41	40	45,5	22	10	15	C0TA01228
12	R3/8	46	46,5	55	23	11	19	C0TA01238
12	R1/2	50	53	60	27	14	24	C0TA01248

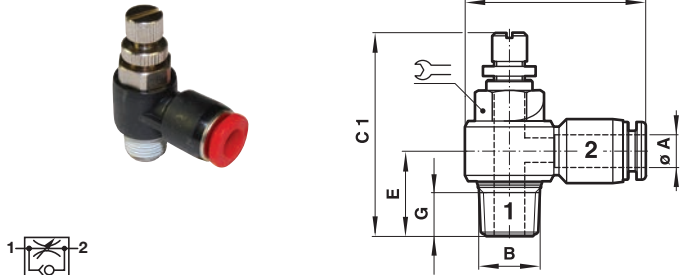
**Banjo flow control (out)**  
**C0K51**

Dimensions in mm  
 Projection/First angle



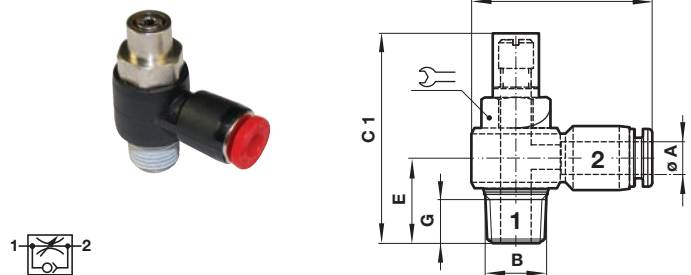
Ø A	B	C	> C1	< C1	E	G	Hook	Model
3	M5	21,5	27	30	9,5	3,5	8	C0K510305
4	M5	25	27	30	10	3,5	8	C0K510405
4	G1/8	30,5	35	40	15	6	8	C0K510418
4	G1/4	34,5	40	45,5	17	8	12	C0K510428
6	M5	28	27	30	11	3,5	8	C0K510605
6	G1/8	31	35	40	15	6	8	C0K510618
6	G1/4	35	40	45,5	17	8	12	C0K510628
6	G3/8	38,5	46,5	55	21	8	14	C0K510638
8	G1/8	33	35	40	14	6	8	C0K510818
8	G1/4	37	40	45,5	16	8	12	C0K510828
8	G3/8	40	46,5	55	21	8	14	C0K510838
8	G1/2	46	53	60	22,5	9	17	C0K510848
10	G1/4	39	40	45,5	18	8	12	C0K511028
10	G3/8	42	46,5	55	19,5	8	14	C0K511038
10	G1/2	47,5	53	60	22,5	9	17	C0K511048
12	G1/4	41	40	45,5	20	8	12	C0K511228
12	G3/8	46	46,5	55	19	8	14	C0K511238
12	G1/2	50	53	60	21	9	17	C0K511248

**Banjo flow control (in)**  
**C0SA0**



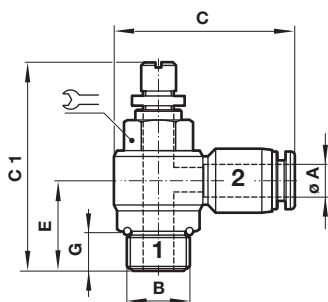
Ø A	B	C	C1 min.	C1 max.	E	G	Hook	Model
4	R1/8	30,5	35	40	14,5	8	11	C0SA00418
4	R1/4	34,5	40	45,5	18	10	15	C0SA00428
6	R1/8	31	35	40	14,5	8	11	C0SA00618
6	R1/4	35	40	45,5	18	10	15	C0SA00628
6	R3/8	39	46,5	55	21	11	19	C0SA00638
8	R1/8	33	35	40	15,5	8	11	C0SA00818
8	R1/4	37	40	45,5	19	10	15	C0SA00828
8	R3/8	40	46,5	55	21	11	19	C0SA00838
8	R1/2	46	53	60	25	14	24	C0SA00848
10	R1/4	39	40	45,5	20	10	15	C0SA01028
10	R3/8	42	46,5	55	22,5	11	19	C0SA01038
10	R1/2	47,5	53	60	25	14	24	C0SA01048
12	R1/4	41	40	45,5	22	10	15	C0SA01228
12	R3/8	46	46,5	55	23	11	19	C0SA01238
12	R1/2	50	53	60	27	14	24	C0SA01248

**Shrouded banjo (out)**  
**C0TB0**

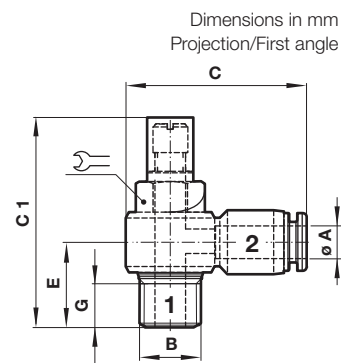



Ø A	B	C	C1	E	G	Hook	Model
4	R1/8	30,5	31,5	15	8	11	C0TB00418
4	R1/4	34,5	37	18,5	10	15	C0TB00428
6	R1/8	31	31,5	15	8	11	C0TB00618
6	R1/4	35	37	18,5	10	15	C0TB00628
6	R3/8	38,5	43,5	22	11	19	C0TB00638
8	R1/8	33	31,5	16,5	8	11	C0TB00818
8	R1/4	37	37	19,5	10	15	C0TB00828
8	R3/8	40	43,5	22	11	19	C0TB00838
8	R1/2	46	50	26,5	14	24	C0TB00848
10	R1/4	39	37	21	10	15	C0TB01028
10	R3/8	42	43,5	23,5	11	19	C0TB01038
10	R1/2	47,5	50	26,5	14	24	C0TB01048
12	R1/4	41	37	22,5	10	15	C0TB01228
12	R3/8	46	43,5	24	11	19	C0TB01238
12	R1/2	50	50	28	14	24	C0TB01248


**Banjo flow control (in)**  
**C0L51**

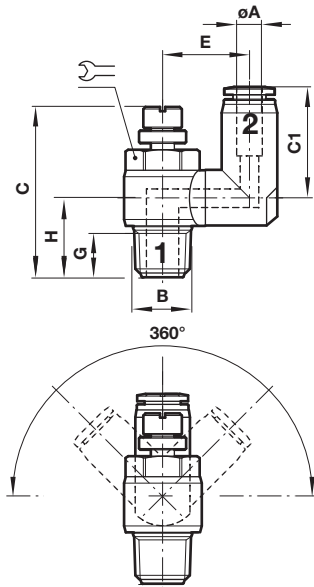
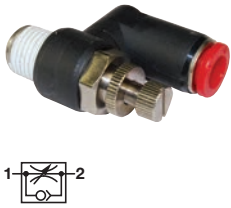


**Shrouded banjo (out)**  
**C0KB0**



Ø A	B	C	> C1	< C1	E	G		Model
3	M5	21,5	27	30	9,5	3,5	8	COL510305
4	M5	25	27	30	10	3,5	8	COL510405
4	G1/8	30,5	35	40	15	6	8	COL510418
4	G1/4	34,5	40	45,5	17	8	12	COL510428
6	M5	28	27	30	11	3,5	8	COL510605
6	G1/8	31	35	40	15	6	8	COL510618
6	G1/4	35	40	45,5	17	8	12	COL510628
6	G3/8	39	46,5	55	21	8	14	COL510638
8	G1/8	33	35	40	14	6	8	COL510818
8	G1/4	37	40	45,5	16	8	12	COL510828
8	G3/8	40	46,5	55	21	8	14	COL510838
8	G1/2	46	53	60	22,5	9	17	COL510848
10	G1/4	39	40	45,5	18	8	12	COL511028
10	G3/8	42	46,5	55	19,5	8	14	COL511038
10	G1/2	47,5	53	60	22,5	9	17	COL511048
12	G1/4	41	40	45,5	20	8	12	COL511228
12	G3/8	46	46,5	55	19	8	14	COL511238
12	G1/2	50	53	60	21	9	17	COL511248

Ø A	B	C	C1	E	G		Model
4	M5	25	23	10,5	3,5	8	C0KB00405
4	G1/8	30,5	31,5	15	6	8	C0KB00418
4	G1/4	34,5	37	17,5	8	12	C0KB00428
6	M5	28	23	11,5	3,5	8	C0KB00605
6	G1/8	31	31,5	15	6	8	C0KB00618
6	G1/4	35	37	17,5	8	12	C0KB00628
6	G3/8	38,5	43,5	21	8	14	C0KB00638
8	G1/8	33	31,5	14	6	8	C0KB00818
8	G1/4	37	37	17	8	12	C0KB00828
8	G3/8	40	43,5	21	8	14	C0KB00838
8	G1/2	46	50	23	9	17	C0KB00848
10	G1/4	39	37	19	8	12	C0KB01028
10	G3/8	42	43,5	20	8	14	C0KB01038
10	G1/2	47,5	50	23	9	17	C0KB01048
12	G1/4	41	37	20,5	8	12	C0KB01228
12	G3/8	46	43,5	19	8	14	C0KB01238
12	G1/2	50	50	21,5	9	17	C0KB01248

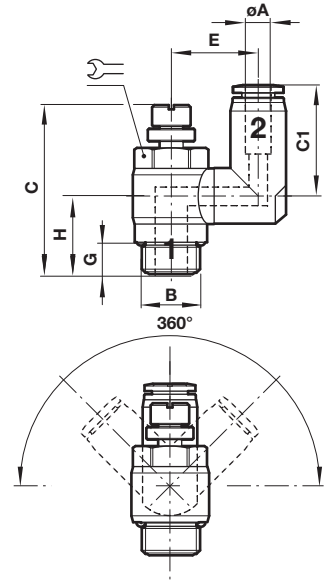
**Swivel speed control (out)**  
**C0T56**


Ø A	B	C*1)	C1	E	G	H		Model
4	R1/8	35/40	20,5	14,5	8	15	11	C0T560418
4	R1/4	40/45,5	20,5	18	10	18,5	15	C0T560428
6	R1/8	35/40	24	15,5	8	15	11	C0T560618
6	R1/4	40/45,5	26	20,5	10	18,5	15	C0T560628
6	R3/8	47/55	26	23,5	11	21,5	19	C0T560638
8	R1/8	35/40	25,5	16	8	15,5	11	C0T560818
8	R1/4	40/45,5	29	19,5	10	18,5	15	C0T560828
8	R3/8	47/55	30	24,5	11	22	19	C0T560838
8	R1/2	53/60	30	26,5	14	26	24	C0T560848
10	R1/4	40/45,5	31	20,5	10	18,5	15	C0T561028
10	R3/8	47/55	32	24,5	11	22	19	C0T561038
10	R1/2	53/60	33	26,5	14	26,5	24	C0T561048
12	R1/4	40/45,5	33,5	22	10	18,5	15	C0T561228
12	R3/8	47/55	34,5	24,5	11	22	19	C0T561238
12	R1/2	53/60	36	26,5	14	26,5	24	C0T561248

\* min/max

**Swivel speed control (out)**  
**C0K56**

Dimensions in mm  
 Projection/First angle



Ø A	B	C*1)	C1	E	G	H		Model
4	M5	27/30	20,5	12,5	3,6	9,5	8	C0K560405
4	G1/8	35/40	20,5	14,5	8	15,5	8	C0K560418
4	G1/4	40/45,5	20,5	18	12	17,5	12	C0K560428
6	M5	27/30	22,5	13,5	3,6	9,5	8	C0K560605
6	G1/8	35/40	24	15,5	8	15,5	8	C0K560618
6	G1/4	40/45,5	26	20,5	12	17,5	12	C0K560628
6	G3/8	47/55	26	23,5	14	21,5	14	C0K560638
8	G1/8	35/40	25,5	16	8	14,5	8	C0K560818
8	G1/4	40/45,5	29	19,5	12	17,5	12	C0K560828
8	G3/8	47/55	30	24,5	14	21	14	C0K560838
8	G1/2	53/60	30	26,5	17	23	17	C0K560848
10	G1/4	40/45,5	31	20,5	12	17,5	12	C0K561028
10	G3/8	47/55	32	24,5	14	21	14	C0K561038
10	G1/2	53/60	33	26,5	17	23	17	C0K561048
12	G1/4	40/45,5	33,5	22	12	17,5	12	C0K561228
12	G3/8	47/55	34,5	24,5	14	21	14	C0K561238
12	G1/2	53/60	36	26,5	17	23	17	C0K561248

\* min/max

**Warning**

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under

**»Technical features/data«.**

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI NORGRN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.