

- Up to 7 bar
- Stroke control
- Safety valve (optional)



Application/customer benefits

- Actuation of power chucks and special automatic clamping equipments
- Use on machines not equipped with hydraulic power unit

Technical features

- Operating pressure 1 - 7 bar
- Horizontal or vertical installation
- Air-manifold mounted on precision bearings
- Stroke control via proximity switch
- Double safety valve (option)
- CSN 100 and CSN 150 = mounting from the rear side
- CSN 200 and CSN 250 = mounting from the front side
- An air service unit with dryer, filter and oiler is needed

Standard equipment

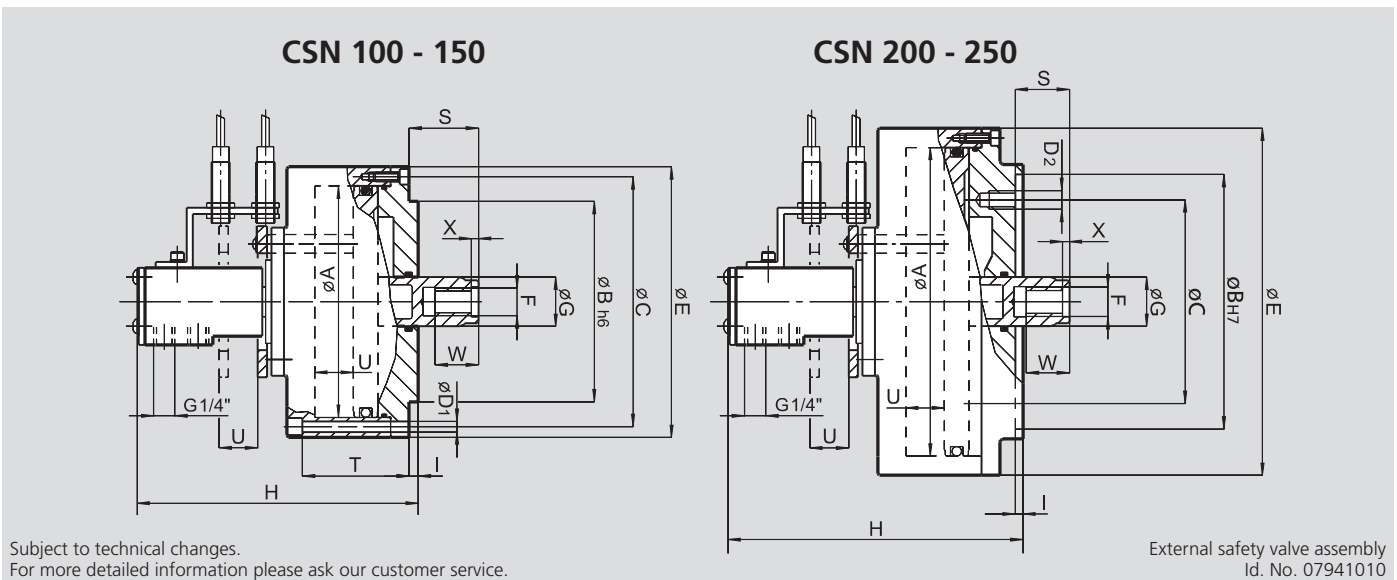
Closed center pneumatic cylinder
with stroke control and proximity switch
support (without proximity switches)

Ordering example

Cylinder type CSN 100 Id. No. 33072110
or
Cylinder type CSN 150 Id. No. 33072115
with safety valve (optional)

Technical data

SMW-AUTOBLOK Type		CSN 100	CSN 150	CSN 200	CSN 250
Id. No.		33072110	33072115	33072120	33072124
Piston area	cm ²	71	176	306	482
Max. pressure	bar	7	7	7	7
Traction at 6 bar	kN	4.3	10	18	29
Max. speed	r.p.m.	4500	4500	4500	4500
Weight	kg	5	8	11	16
Moment of inertia	kg·m ²	0.01	0.03	0.06	0.18



SMW-AUTOBLOK Type			CSN 100	CSN 150	CSN 200	CSN 250
Piston diameter	A	mm	100	150	200	250
	B	mm	80	130	165	165
Fixing bolts circle	C	mm	112	162	132	132
Fixing bolts diameter	D1	mm	6 x Ø7	6 x Ø7	-	-
Threaded fixing holes	D2	mm	-	-	3 x M12	6 x M12
	E	mm	125	175	225	275
	F	mm	M16	M16	M18	M18
	G	mm	30	30	32	32
	H	mm	171	171	190	190
	I	mm	5	5	5	5
Max.	S	mm	35	35	35	35
	T	mm	60	60	-	-
Piston stroke	U	mm	20	20	25	25
	W	mm	20	20	30	30
	X	mm	4	4	5	5