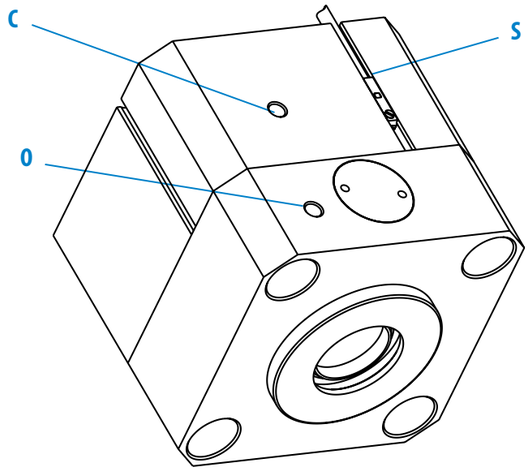
Series FBC Pneumatic cylinder blocking element

FBC is a clamping element for Pneumatic cylinders ISO 15552 and VDMA 6432.
The device blocks the rod in any position it is in the moment it is activated, not necessary in its ends of stroke.
It can also be used as a clamping unit for separate rods.



Technical Data

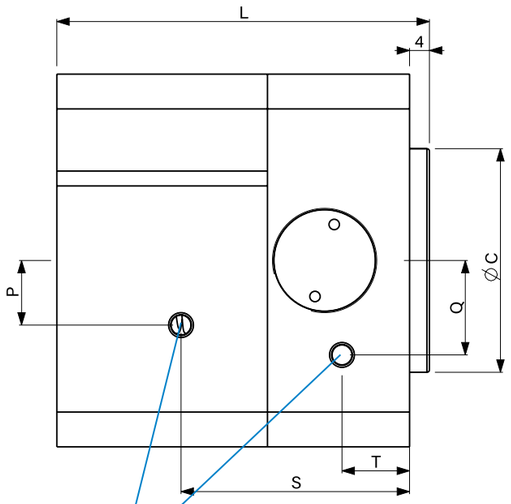
- Ø rod f7 tolerance of at least 54 HRC hardness
- Pneumatic air with ISO ISO 8573-1:2010 lubrication
- Working pressure 3-10 bar (6 bar for standard FBC which the forces refer to)
- Working temperature: -20°C / 80°C
- Clamping type: two-way mechanical
- Normally closed functioning [NC] -> it is blocked without pressure / or Normally open functioning [NO] – unlocked without pressure
- Life cycle (B10d) of 1.500.000 cycles.
- Can be supplied complete with proximity sensor.

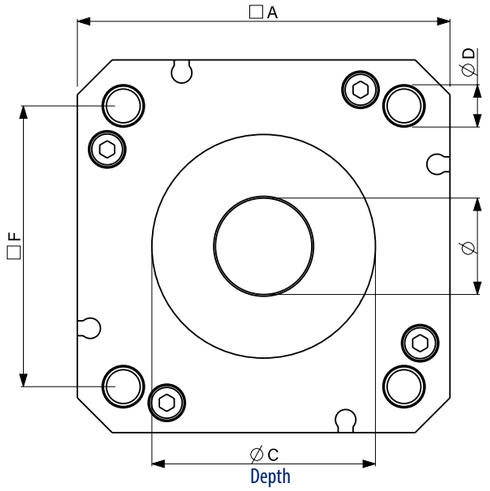


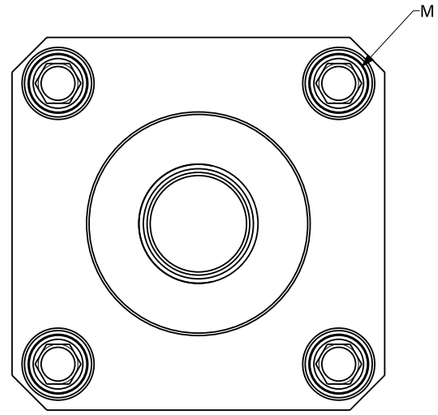
S: Sensor (optional). Can be mounted on any side

C: M5 bore. Used to connect a filter (in case of FBC normally closed and simple effect) or a pneumatic connector in order to "close" the element (if in double effect)

O: M5 bore. Used to connect a pneumatic connector to "open" the element in case of NC. If it is NO, a filter shall be connected.







Type	Bore	Ø Rod	Holding Force [N] M	S	E	D	A [mm]	C [mm]	Depth [mm]	D [mm]	F [mm]	L [mm]	M	P [mm]	Q [mm]	R	S [mm]	T [mm]	PISTON EXTENSION [mm]	PNEUMATIC CONNECTION V[cm³]	FIXING SCREW [Nm]
FBC	32	12	700	850	850	1550	47	30	20.1	6.5	32.5	80	M8	0	11	M5	39.5	20	59.5	7	9.5
FBC	40	16	1000	1250	1250	2250	52	35	20.1	6.5	38	99	M8	7	13	M5	48	21.3	75	12	9.5
FBC	50	20	1600	1900	1900	3500	65	40	25.1	8.5	46.5	75	M8	0	14	M5	42.5	20.1	46	15	23
FBC	63	20	2500	3000	3000	5500	75	45	25.1	8.5	56.5	75	M8	13	19	M5	46	13.6	46	23	23
FBC	80	25	4300	5000	5000	9300	95	45	30.1	10.5	72	85.9	M10	16	22	G1/8	51.9	24.9	52	41	46
FBC	100	25	7000	8500	8500	15500	115	55	35.1	10.5	89	92.1	M10	26	26	G1/8	53.1	23.5	53	66.5	46
FBC	125	32	10500	12000	12000	13000	140	60	45.9	12.5	110	108	M12	27	27	G1/8	58.5	28	58.6	100	84