

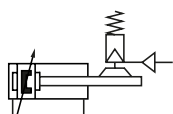
Technical details

Operating pressure	Brake system 3 ... 6 bar
Temperature range	-10°C ... +50°C
Max. stroke	2800 mm
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Alternatively the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Cylinder tube: Al (anodized) End caps: Al-die-cast (painted) Piston rod: steel hard chrome plated Seals: PU, NBR Brake system: Al anodized, stainless steel, brass, bronze, POM, NBR, EPDM, PTFE, brake fluid DOT4



Double acting Al-profile cylinder with adjustable cushions and magnetic piston. It includes an extended piston rod and a pneumatic-hydraulic brake system which is mounted onto the cylinder. The brake should only be applied at piston speed of 0.2 m/s or lower. The system is NC and is released by applying pressure at the pilot port of the brake.

Versions



XLBSP
passive brake system, double acting cylinder, adjustable cushioning, with magnetic piston

Order code

Series		Versions	
Piston Ø		Stroke (mm)	
032	32 mm	050	standard version
040	40 mm	XXXX	max. 2800 mm*
050	50 mm		
063	63 mm		
080	80 mm		
100	100 mm		
125	125 mm		

* For longer stroke lengths please check the max buckling load.

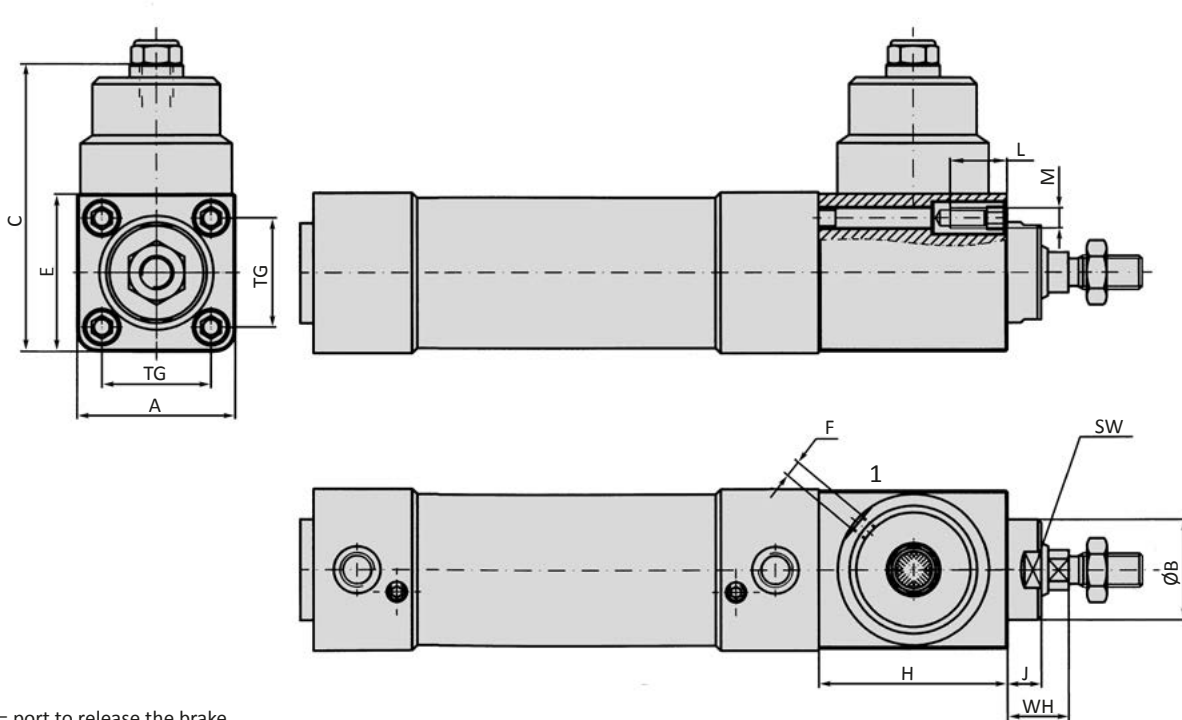
Series XLBSP

ISO 15552

Technical data

Model-no.:	XLBSP-032	XLBSP-040	XLBSP-050	XLBSP-063	XLBSP-080	XLBSP-100	XLBSP-125
Piston Ø (mm)	32	40	50	63	80	100	125
Force at 6 bar	434	678	1060	1682	2713	4239	6623
Extension							
Retraction							
Clamp force (N)	600	890	1900	2500	3800	6000	9000
Operating pressure cylinder (bar)	1 ... 7	1 ... 7	1 ... 8	1 ... 8	1 ... 8	1 ... 8	1 ... 8
Release pressure (bar)	> 4.5	> 4.5	> 4.5	> 4.5	> 4.5	> 4.5	> 4.5

Dimensions series XLBSP



1 = port to release the brake

Piston Ø	A	Ø B	C	E	F	H	J	L	M	TG	SW	WH
32	47	30	103	47	M5	56	10	17	M6	32.5	28	26
40	52	35	108	52	M5	62	10	17	M6	38	32	30
50	65	40	130	70.5	G1/8	74	20	20	M8	46.5	36	37
63	74	45	137	77	G1/8	74	20	20	M8	56.5	41	37
80	95	45	155	95	G1/8	95	20	22	M10	72	42	46
100	115	55	170	115	G1/8	115	15	22	M10	89	50	51
125	138	60	193	138	G1/8	138	20	25	M12	110	50	65