

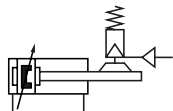
**Technical details**

<b>Operating pressure</b>	Brake system 3 ... 6 bar
<b>Temperature range</b>	-10°C ... +50°C
<b>Max. stroke</b>	2800 mm
<b>Medium</b>	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.
<b>Materials</b>	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



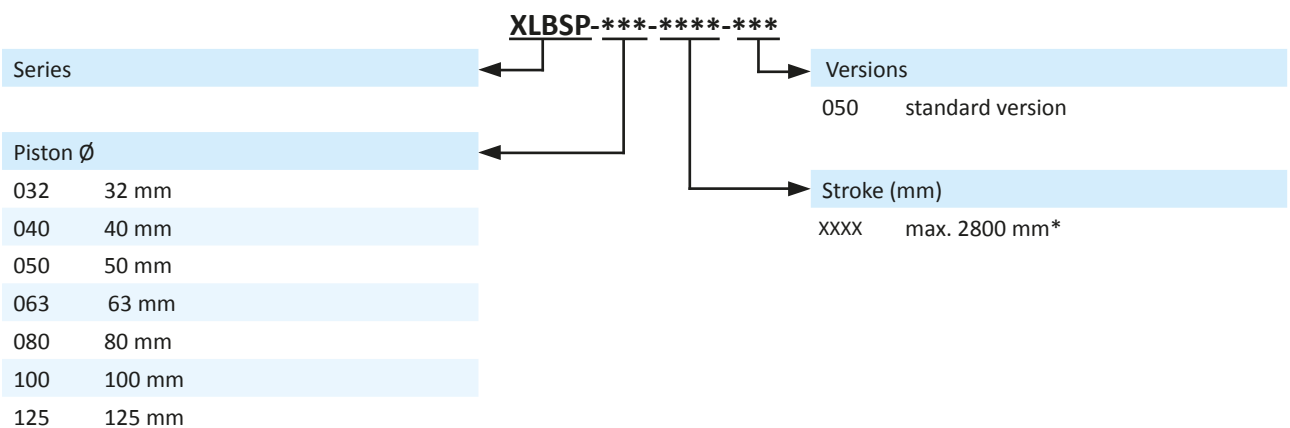
Double acting Al-profile cylinder with adjustable cushions and magnetic piston. It includes an extended piston rod and a pneumatic-hydraulic brake system which is mounted onto the cylinder. The brake should only be applied at piston speed of 0.2 m/s or lower. The system is NC and is released by applying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

**Versions**



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

**Order code**



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

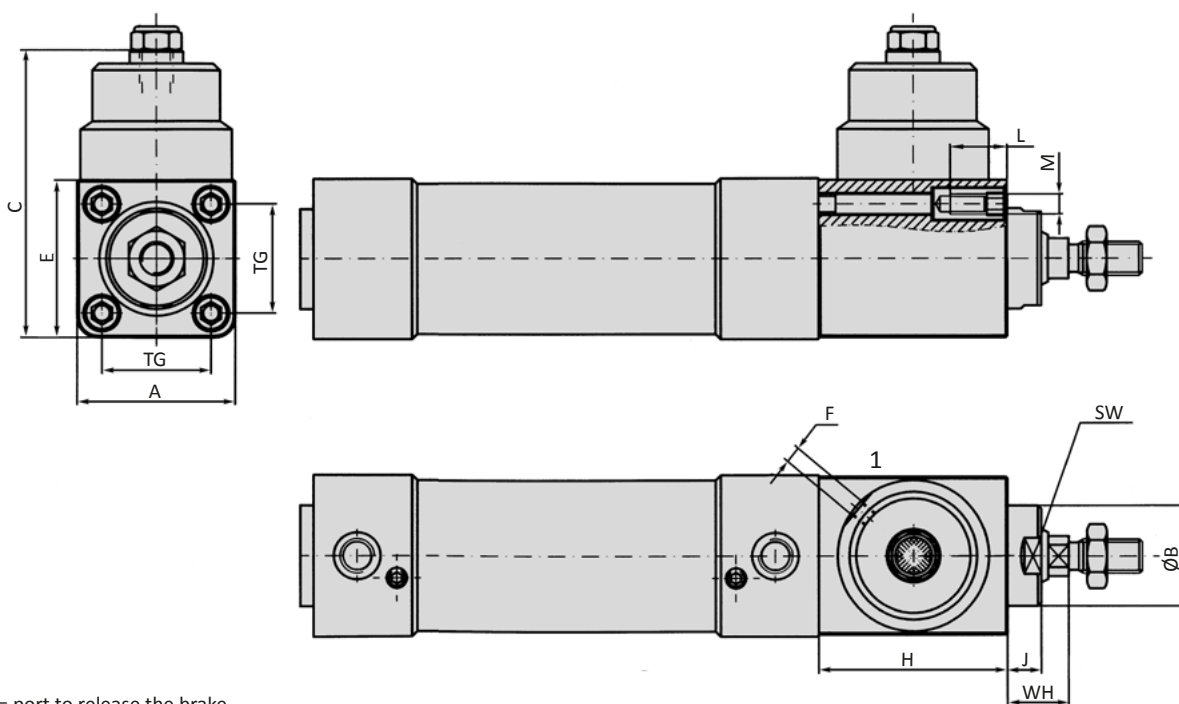
# Series XLBSP

## 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 (N)	Extension	434	678	1060	1682	2713	4239	6623
		Retraction	373	570	890	1513	2448	3974
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