

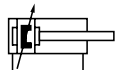
Technical details

Operating pressure	1 ... 10 bar
Temperature range	-20°C ... +80°C (SLXH: -10°C ... +150°C)
Max. stroke	2.700 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 (optional 1.4301) Seals: PU, NBR (optional FKM)
	Cylinders in accordance with 2014/34/EU (ATEX) available.(page 13)

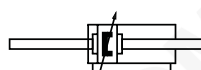


Double acting Al-profile cylinder with integrated sensor grooves, adjustable cushions and magnetic piston for proximity sensors. The sensors can be installed directly into the sensor grooves of the Al-profile. Standard stroke lengths in table below, additional lengths on request.

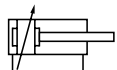
Versions



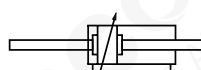
050, 054, 000, 004
double acting, adjustable cushioning,
with magnetic piston



450, 454, 400, 404
double acting, double end piston rod, adjustab-
le cushioning, with magnetic piston



152, 102
double acting, adjustable cushioning



552, 502
double acting, double end piston rod, adjusta-
ble cushioning

Order code

Series		Options	
SLX	standard	ATEX	cylinders in accordance with 2014/34/ EU (ATEX)
SLXC	low temperature version	E8	piston rod seal E8, two-part, with plastic scraper
SLXCD	low temperature version, with metal scraper	Versions	
SLXD	with metal scraper		
SLXH	high temperature version	050	standard version
SLXL	low friction version	450	standard version
Piston Ø		000	piston rod stainless steel
		400	piston rod stainless steel
032	32 mm	054	piston rod seal FKM
040	40 mm	454	piston rod seal FKM
050	50 mm	004	piston rod stainless steel , piston rod seal FKM
063	63 mm	404	piston rod stainless steel , piston rod seal FKM
080	80 mm	152	high temperature version (without magnetic piston)
100	100 mm	552	high temperature version (without magnetic piston)
125	125 mm	102	high temperature version, piston rod stainless steel (without magnetic piston)
		502	high temperature version, piston rod stainless steel (without magnetic piston)
		Stroke (mm)	
		XXXX	max. 2.700 mm*
		Standard	25, 40, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500 mm

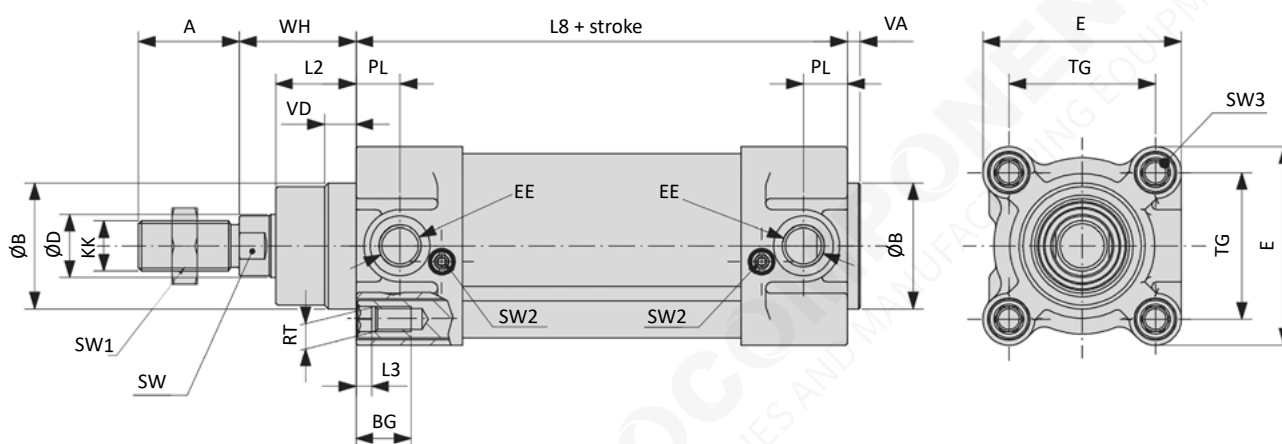
Not all combinations are possible and available.

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

Technical data

Model-no.:	SLX-032-...	SLX-040-...	SLX-050-...	SLX-063-...	SLX-080-...	SLX-100-...	SLX-125-...
Piston Ø (mm)	32	40	50	63	80	100	125
Force at 6 bar (N)	434	678	1060	1682	2713	4239	6623
Extension							
Retraction							
Connection	G1/8	G1/4	G1/4	G3/8	G3/8	G1/2	G1/2
Piston rod thread	M10 x 1,25	M12 x 1,25	M16 x 1,5	M16 x 1,5	M20 x 1,5	M20 x 1,5	M27 x 2
Cushioning length (mm)	27	29	32	32	32	32	42

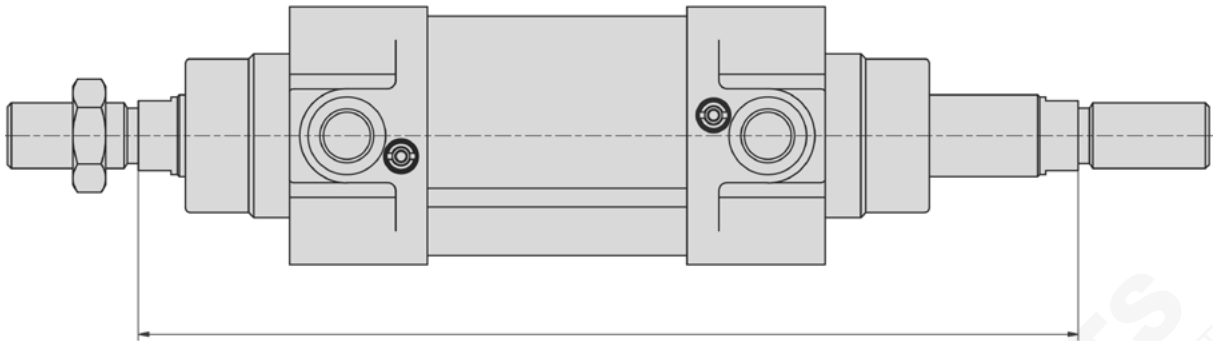
Dimensions series SLX



Piston-Ø	A	Ø B	BG	Ø D	E	EE	KK	L2	L3	L8
32	22	30	16,5	12	47	G1/8	M10 x 1,25	18	5	94
40	24	35	16,5	16	54	G1/4	M12 x 1,25	22	5	105
50	32	40	17,5	20	63	G1/4	M16 x 1,5	25,5	5	106
63	32	45	17,5	20	74	G3/8	M16 x 1,5	25	5	121
80	40	45	17,5	25	93,5	G3/8	M20 x 1,5	35	-	128
100	40	55	17,5	25	110	G1/2	M20 x 1,5	38	-	138
125	54	60	20,5	32	137,5	G1/2	M27 x 2	46	-	160

Piston-Ø	PL	RT	SW	SW1	SW2	SW3	TG	VA	VD	WH
32	12,5	M6	10	17	1,5	6	32,5	4	8	26
40	14	M6	13	19	1,5	6	38	4	10	30
50	14	M8	17	24	1,5	8	46,5	4	10	37
63	18,25	M8	17	24	1,5	8	56,5	4	10	37
80	18,5	M10	22	30	1,5	6	72	4	10	46
100	20	M10	22	30	1,5	6	89	4	12	51
125	29	M12	27	41	1,5	8	110	6	12	65

Dimensions series SLX (addition at double end piston rod)



Piston-Ø (mm)	32	40	50	63	80	100	125
ZM	146	165	180	195	220	240	290



Piston rod cylinders

Device marking

Piston rod cylinders are marked as follows:

 II 2G Ex h IIC T5...T4 Gb X
 II 2D Ex h IIIC T100°C...T135°C Db X
 -20°C T_{amb} +40°C...+60°C

Marking according to DIN EN ISO 80079-36/ -37.

Piston rod cylinders conform to Equipment category 2 and can be used in Zone 1 respectively Zone 21.

Available cylinders

Series	Versions
SLX	SLX, SLXH

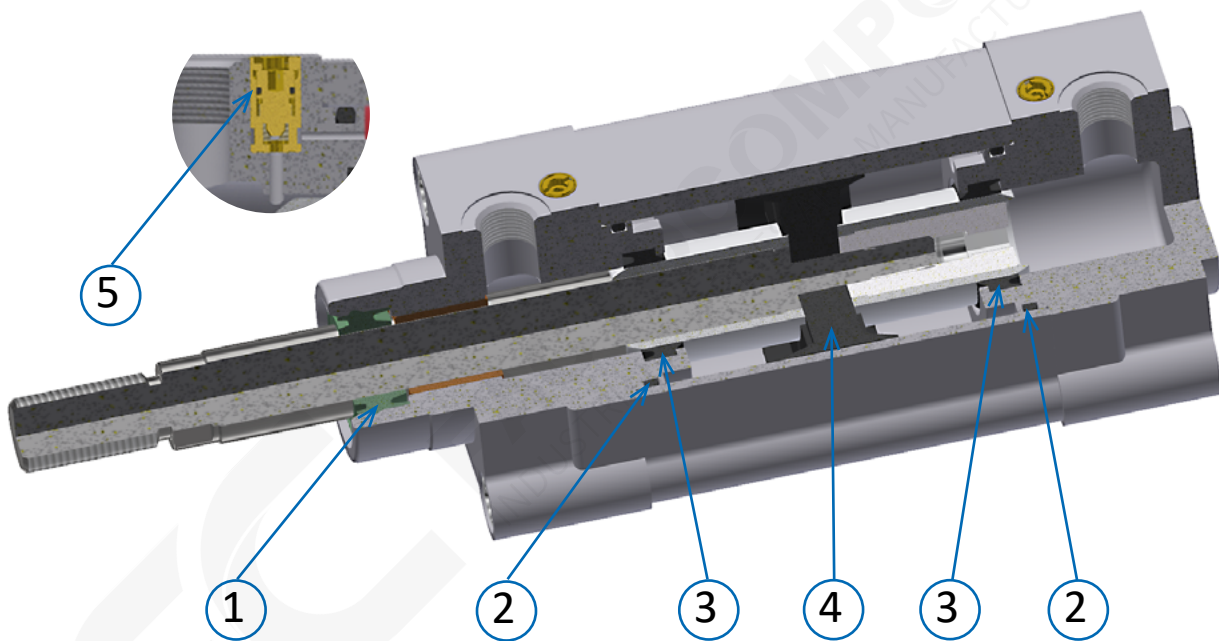
Piston rod cylinders according ATEX are marked with following suffix:

-ATEX
-EX
-X

Order code

VS-XL-***-***			
Series	←	←	Versions
VS-XL seal kit for series XL			01 standard version
Piston Ø	←		02 high temperature version
032 32 mm			03 double end piston rod
040 40 mm			04 double end piston rod, high temperature version
050 50 mm			
063 63 mm			
080 80 mm			
100 100 mm			
125 125 mm			

Content



Standard version

Position	Part	Quantity
1	piston rod seal (PUR)	1*
2	O-ring (NBR)	2
3	cushion seal (PUR)	2
4	piston with magnet (NBR)	1
5	O-ring (NBR)	2
6	grease	1

*2 pieces for version 03

High temperature version

Position	Part	Quantity
1	piston rod seal (FKM) + circlip	1*
2	O-ring (FKM)	2
3	cushion seal (FKM)	2
4	piston (FKM)	1
5	O-ring (FKM)	2
6	grease	1

*2 pieces for version 04

