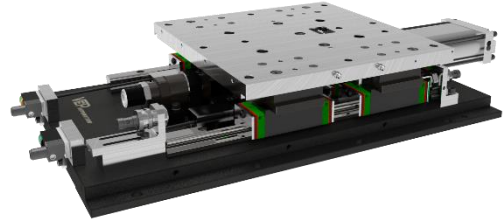


线性滑台 SLD.1 Linear unit SLD.1

主要特点:

- 行程每间隔 1 mm 可调
- 气缸缸径: 40, 50, 63, 80, 125 mm
- 齿牙锁定系统 (SBI)
- 重复性: $\pm 0,01$ mm
- 打开和关闭状态都可锁定
- 气缓冲在关闭位置(标准)
- 减震器在打开位置
- 在打开和关闭位置带位置传感器
- SBI 位置感应传感器
- 金属或带波纹管保护罩



Main characteristics:

- Adjustable stroke with 1 mm intervals
- Pneumatic cylinder with 40, 50, 63, 80, 125 mm bore
- Grafft lock system (SBI)
- Repeatability: $\pm 0,01$ mm
- Locking position in the opening and closing status
- Cylinder cushion in the closing position (standard)
- Shock absorber in the opening position
- Proximity switches in the opening and closing position
- Proximity switches for SBI
- Metal shelter or bellows on the front side



[PDF](#)



[3D Step](#)

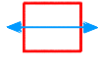


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订货举例.

Ordering example.

SLD80.1 - 100/60 - X - D - S1 - H

SLD40.1
缸径 Ø 40 mm,
4 个滑块, 最大负载 40 Kg
cylinder bore Ø 40 mm,
4 runner blocks, max. load 40 Kg

SLD50.1
缸径 Ø 50 mm,
4 个滑块, 最大负载 75 Kg
cylinder bore Ø 50 mm,
4 runner blocks, max. load 75 Kg

SLD63.1
缸径 Ø 63 mm,
4 个滑块, 最大负载 150 Kg
cylinder bore Ø 63 mm,
4 runner blocks, max. load 150 Kg


SLD80.1
缸径 Ø 80 mm,
4 个滑块, 最大负载 250 Kg
cylinder bore Ø 80 mm,
4 runner blocks, max. load 250 Kg

SLD125.1
缸径 Ø 125 mm,
4 个滑块, 最大负载 600 Kg
cylinder bore Ø 125 mm,
4 runner blocks, max. load 600 Kg

减震器:
Shock absorber:

X: 在打开位置无减震器
without damper in working position

D: 在打开位置带减震器
with damper in opening position

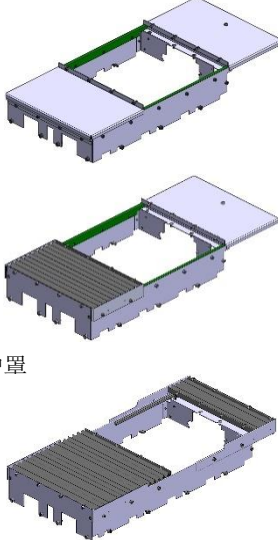


保护罩:
Cover:

S1: 完整金属保护罩
with a complete sheet cover

S3: 前部带波纹管完整金属保护罩
and bellows on the front side

S4*: 前部和后部都带波纹管完整金属保护罩
and bellows on the front and back side



类型 **可调行程**
Type **Adjustable stroke**

50	5÷50 mm
100	51÷100 mm
150	101÷150 mm
200	151÷200 mm
300	201÷300 mm
400	301÷400 mm
500	401÷500 mm

请注意:
SLD40.1 最大行程是 300 mm.

ATTENTION:
SLD40.1 is only available up to 300 mm stroke.

行程每间隔 1mm 可调.
The stroke of the linear unit is adjustable with steps of 1mm.

标准类型 / **Standard types:**


SLD40.1	50	100	150	200	300	---	---
SLD50.1	50	100	150	200	300	400	500
SLD63.1	50	100	150	200	300	400	500
SLD80.1	50	100	150	200	300	400	500
SLD125.1	50	100	150	200	300	400	500

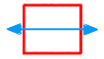
行程 400 和 500 需咨询 / **Type 400 and 500 are on request**

安装方式:
Mounting position:

H: 水平安装 (标准)
horizontal (standard)

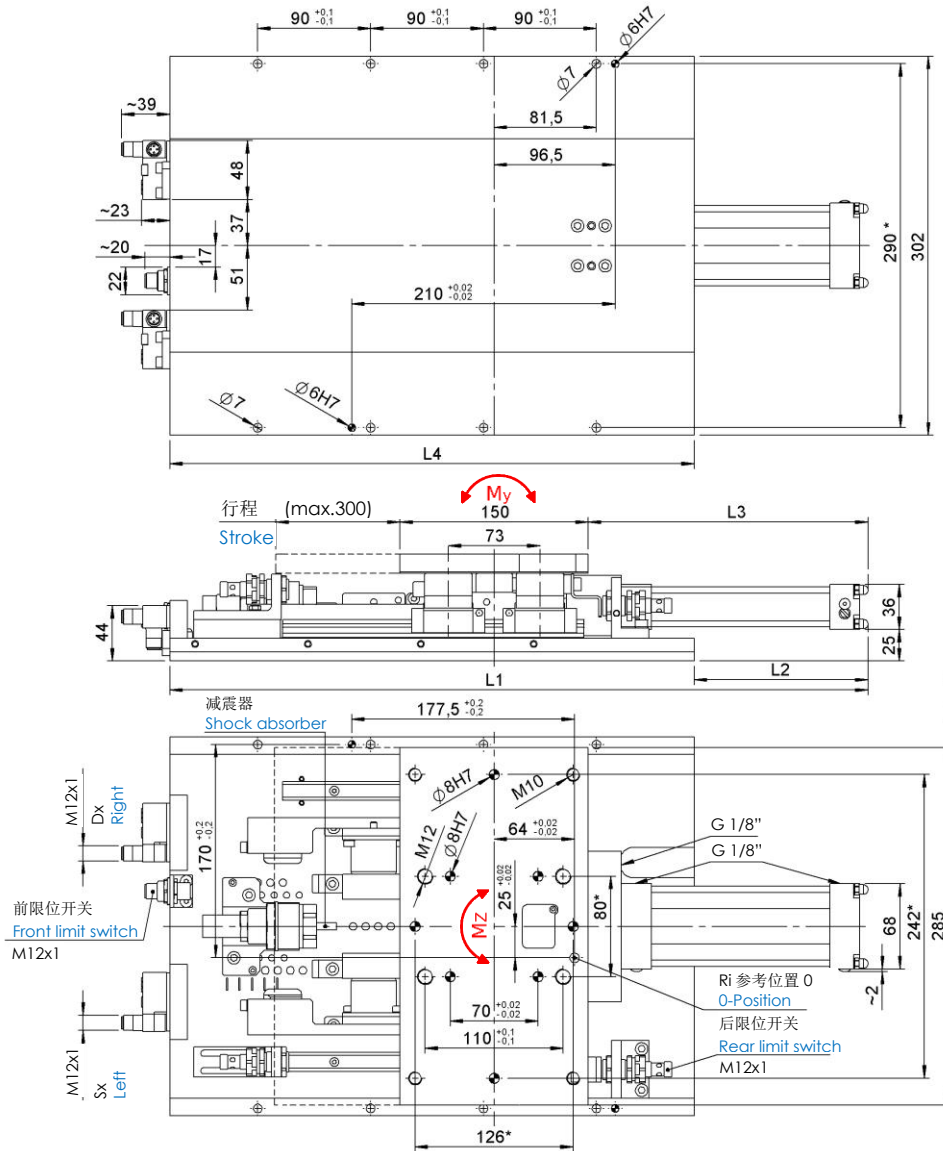
V: 垂直安装 (倒挂或侧装) 特殊应用
仅经 VEP 公司批准后方可使用
special application with vertical mounting position (hanging or upright)
ONLY after the approval of VEP AUTOMATION

 *** S4 为特殊定制保护罩, 仅征求 VEP 公司 批准方可使用.**
*** Cover type S4 is a special solution. Available only after consultation and approval of VEP Automation.**

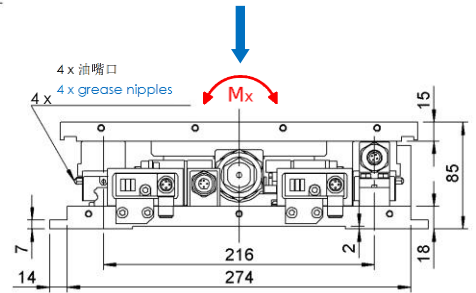


SLD40.1-... / ...-X-D-X-H

线性滑台, D.40, 4 个滑块, SBI 锁定系统, 行程可调
Linear unit, D.40, 4 Runner blocks, SBI lock, Various stroke



** 最大负载.
** Max. load



*** SBI: 齿形锁定系统
*** SBI: Graft lock system

行程公差:
- 最大行程 300mm: 公差±0,03mm
Stroke tolerances:
- up to stroke 300mm: ± 0,03mm

公差: 定位销孔: ±0.02 | 螺纹孔: ±0.1

#Tolerances: dowel holes: ±0.02 | screw holes: ±0.1

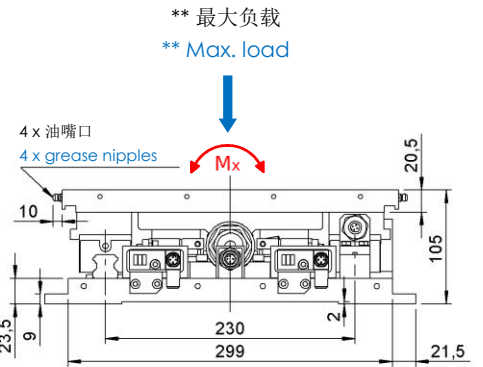
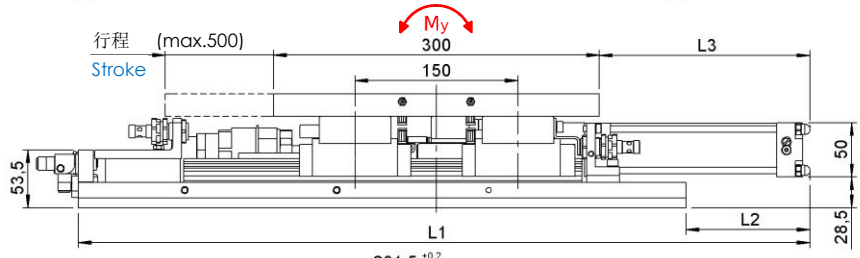
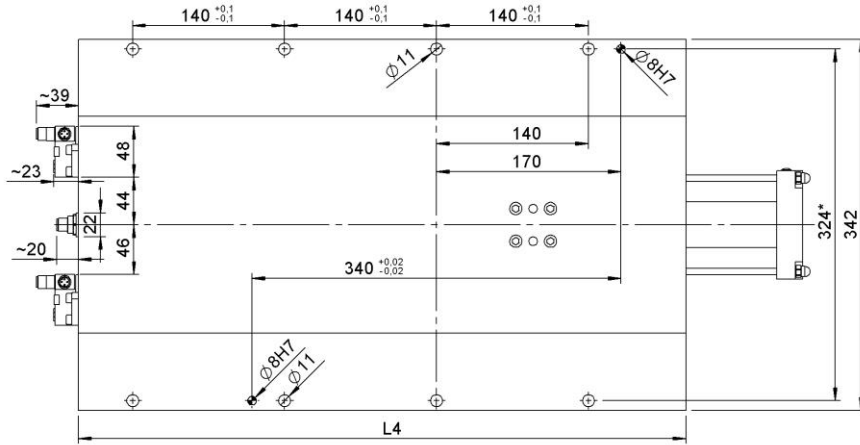
类型 Type	行程类型 Type	缸径 Cylinder bore	行程可调 Adjustable stroke	重量 Weight	L1	L2	L3	L4	耗气量 (5 bar) Air consumption (5 bar)	工作气压 Working pressure
		[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[mm]	[l]	[bar]
SLD40.1-50	50	40	5 ÷ 50	9,5	507	89	174	418	0,8	5 - 8
SLD40.1-100	100		51 ÷ 100	10	557	139	224	418	1,4	
SLD40.1-150	150		101 ÷ 150	11,5	707	189	274	518	2,1	
SLD40.1-200	200		151 ÷ 200	12	757	239	324	518	2,9	
SLD40.1-300	300		201 ÷ 300	14	957	339	424	618	4,3	

** 最大应用负载 (5 bar) ** Max. applicable load (5 bar)		保持力 SBI*** Holding force SBI***	最大动态扭矩 Dynamic torque max			最大静态扭矩 Static moment max.			最大推力 Max. Thrust force (5 bar)
[kg]		[N]	[Nm]			[Nm]			[N]
水平安装 Horizontal mounting	垂直安装 Vertical mounting	16700	Mx	My	Mz	Mx	My	Mz	590
40	15		70	40	60	110	60	90	

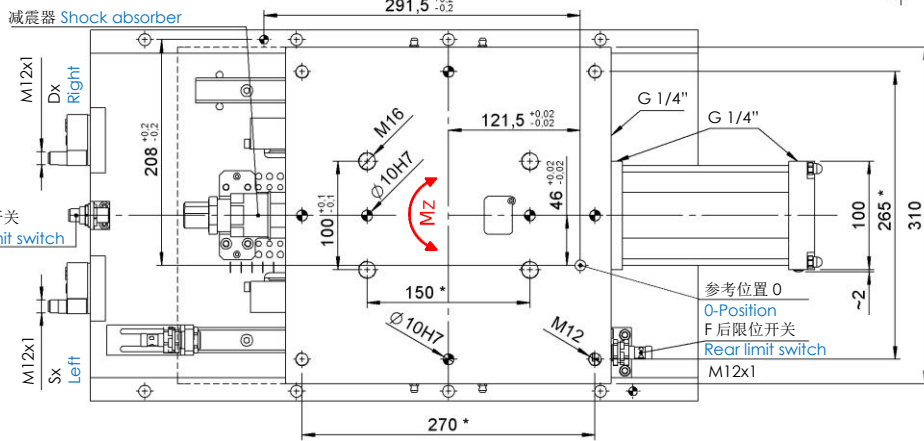


SLD63.1-... / ...-X-D-X-H

线性滑台, D.63, 4个滑块, SBI 锁定系统, 行程可调
Linear unit, D.63, 4 Runner blocks, SBI lock, Various stroke



** 最大负载
** Max. load



*** SBI: 齿牙锁定系统
*** SBI: Graft lock system

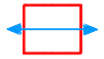
行程公差:
- 行程至 300mm: ± 0,03mm
- 行程 400 / 500mm: ± 0,05mm
Stroke tolerances:
- up to stroke 300mm: ± 0,03mm
- 400 / 500mm: ± 0,05mm

#公差: 定位销孔: ±0.02 | 螺纹孔: ±0.1

#Tolerances: dowel holes: ±0.02 | screw holes: ±0.1

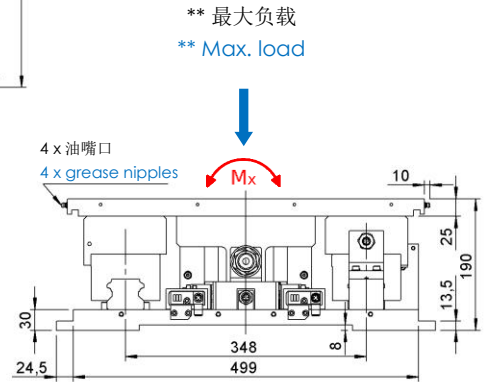
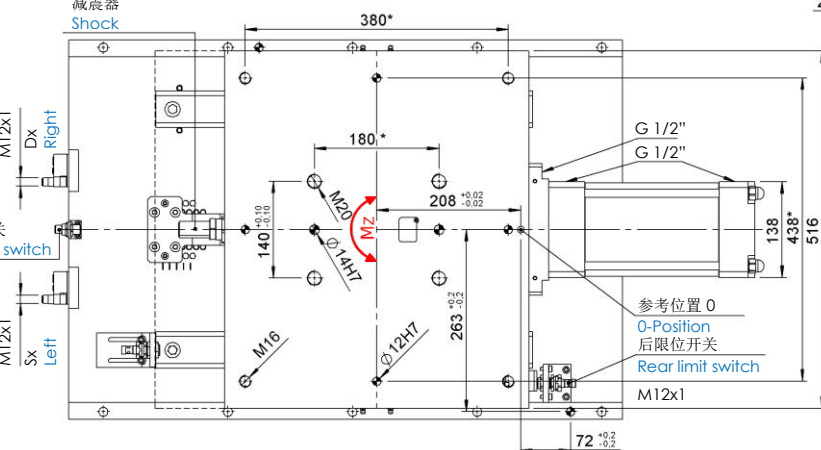
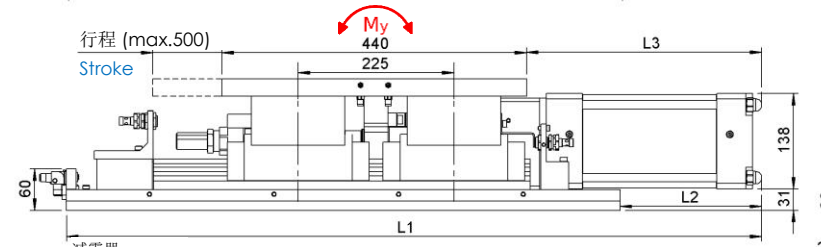
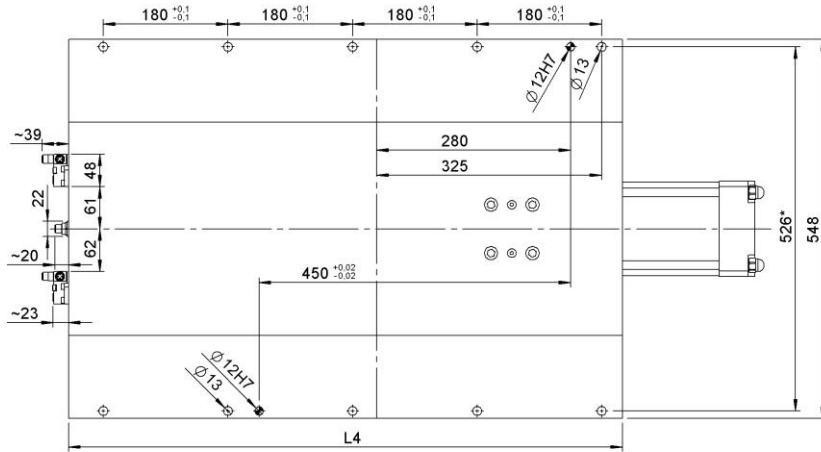
类型 Type	行程 类型 Type	缸径 Cylinder bore	可调行程 Adjustable stroke	重量 Weight	L1	L2	L3	L4	耗气量 (5 bar) Air consumption (5 bar)	工作气压 Working pressure
		[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[mm]	[l]	[bar]
SLD63.1-50	50	63	5 ÷ 50	49	625	65	145	560	1,9	5 - 8
SLD63.1-100	100		51 ÷ 100	54	675	115	195	560	3,6	
SLD63.1-150	150		101 ÷ 150	57	825	165	245	660	5,4	
SLD63.1-200	200		151 ÷ 200	60	875	215	295	660	7,2	
SLD63.1-300	300		201 ÷ 300	64	1075	315	395	760	10,7	
SLD63.1-400	400		301 ÷ 400	72	1275	415	495	860	14,3	
SLD63.1-500	500		401 ÷ 500	80	1475	515	595	960	17,9	

** 最大应用负载(5 bar) ** Max. applicable load (5 bar)		保持力 SBI*** Holding force SBI***	最大动态扭矩 Dynamic torque max			最大静态扭矩 Static moment max.			最大推力 Max. Thrust force (5 bar)
[kg]		[N]	[Nm]			[Nm]			[N]
水平安装 Horizontal mounting	垂直安装 Vertical mounting	16700	Mx	My	Mz	Mx	My	Mz	1480
150	65		560	280	220	840	430	330	



SLD125.1-... / ...-X-D-X-H

线性滑台, D.125, 4 个滑块, SBI 锁定系统, 行程可调
 Linear unit, D.125, 4 Runner blocks, SBI lock, Various stroke



** 最大负载
 ** Max. load

*** SBI: 齿形锁定系统
 *** SBI: Graft lock system

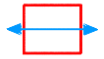
行程公差:
 - 行程至 300mm: ±0,03mm
 - 行程 400 / 500mm: ±0,05mm
 Stroke tolerances:
 - up to stroke 300mm: ±0,03mm
 - 400 / 500mm : ±0,05mm

公差: 定位销孔: ±0.02 | 螺纹孔: ±0.1

#Tolerances: dowel holes: ±0.02 | screw holes: ±0.1

类型 Type	行程类型 Type	缸径 Cylinder bore	行程可调 Adjustable stroke	重量 Weight	L1	L2	L3	L4	耗气量 (5 bar) Air consumption (5 bar)	工作气压 Working pressure
		[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[mm]	[l]	[bar]
SLD125.1-50	50	125	5 ÷ 50	222	955	155	290	800	7,8	5 - 8
SLD125.1-100	100		51 ÷ 100	225	1005	205	340	800	14,7	
SLD125.1-150	150		101 ÷ 150	230	1155	255	390	900	21,8	
SLD125.1-200	200		151 ÷ 200	245	1205	305	440	900	28,7	
SLD125.1-300	300		201 ÷ 300	265	1405	405	540	1000	42,7	
SLD125.1-400	400		301 ÷ 400	285	1605	505	640	1100	56,6	
SLD125.1-500	500		401 ÷ 500	305	1805	605	740	1200	70,6	

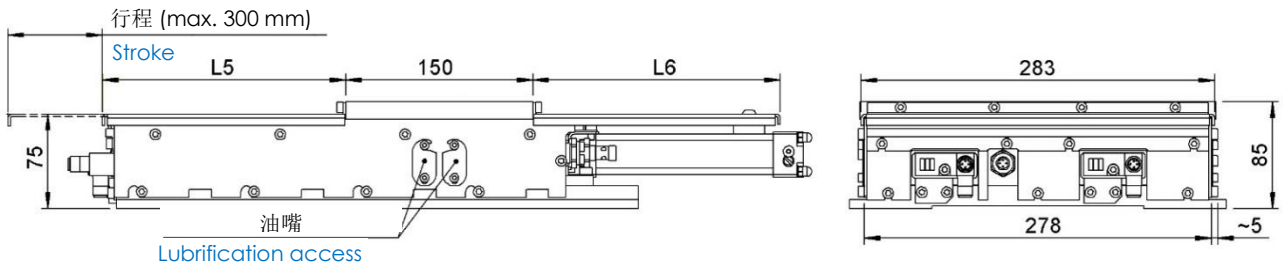
** 最大应用负载 (5 bar) ** Max. applicable load (5 bar)		保持力 SBI*** Holding force SBI***	最大动态扭矩 Dynamic torque max			最大静态扭矩 Static moment max.			最大推力 Max. Thrust force (5 bar)
[kg]		[N]	[Nm]			[Nm]			[N]
水平安装 Horizontal mounting	垂直安装 Vertical mounting	16700	Mx	My	Mz	Mx	My	Mz	5820
600	180		3500	2280	1300	4900	3190	2100	



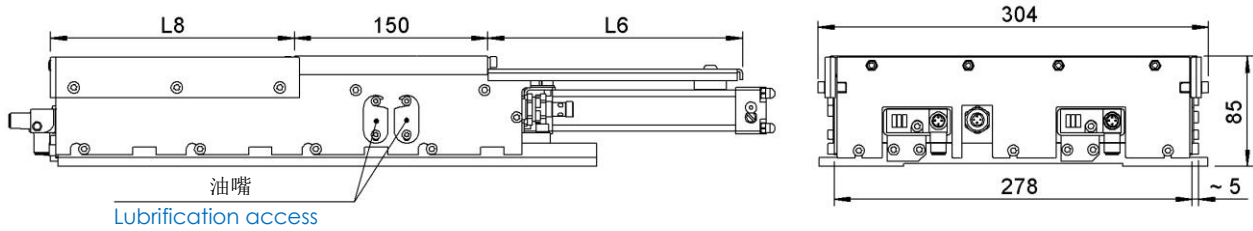
保护罩.

Cover.

SLD40.1 → S1



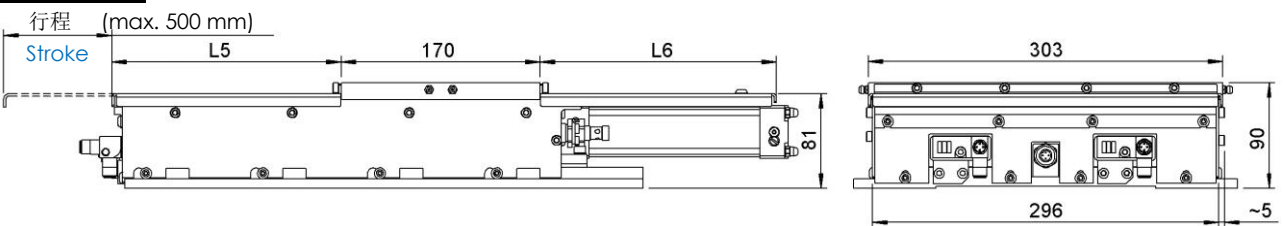
SLD40.1 → S3



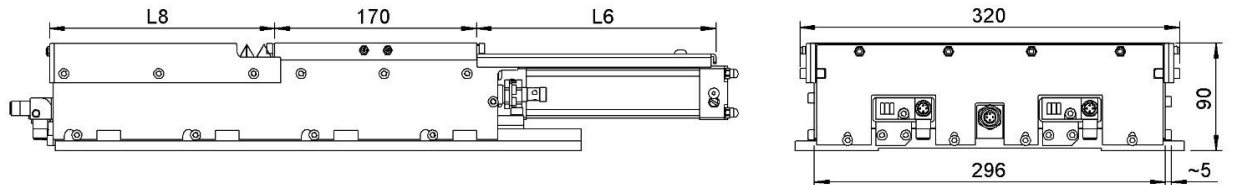
类型 Type	行程可调 Adjustable stroke	L5	L6	L7	L8
	[mm]	[mm]	[mm]	[mm]	[mm]
SLD40.1-50	5 ÷ 50	196	148	---	189.5
SLD40.1-100	51 ÷ 100	196	198	43	189.5
SLD40.1-150	101 ÷ 150	296	248	93	289.5
SLD40.1-200	151 ÷ 200	296	298	143	289.5
SLD40.1-300	201 ÷ 300	396	398	243	389.5

类型 Type	行程可调 Adjustable stroke	L5	L6	L7	L8
	[mm]	[mm]	[mm]	[mm]	[mm]
SLD50.1-50	5 ÷ 50	196	152	---	190
SLD50.1-100	51 ÷ 100	196	202	36	190
SLD50.1-150	101 ÷ 150	296	252	86	290
SLD50.1-200	151 ÷ 200	296	302	136	290
SLD50.1-300	201 ÷ 300	396	402	236	390
SLD50.1-400	301 ÷ 400	496	502	336	490
SLD50.1-500	401 ÷ 500	596	602	436	590

SLD50.1 → S1



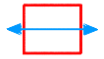
SLD50.1 → S3



必须保护内部机械装置以防焊溅污染。(使用以上指定保护罩)
在高污染区使用时需对外部保护采取额外的措施。

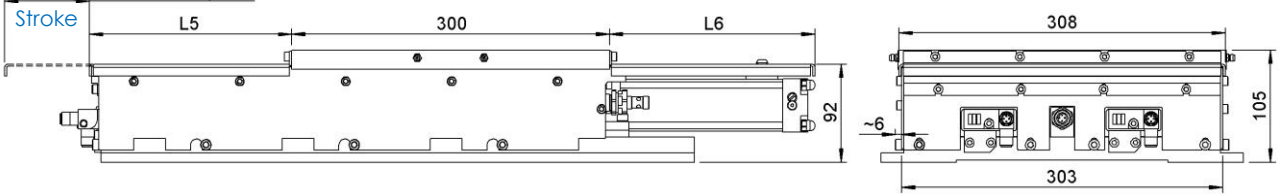
The internal mechanics must be protected against contamination. (use the above indicated covers)

For operations in very extreme contamination areas, additional separate external shielding measures shall be applied.

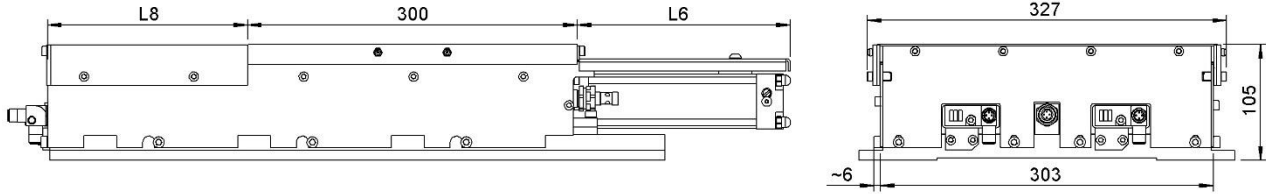


SLD63.1 → S1

行程 (最大 500 mm)



SLD63.1 → S3

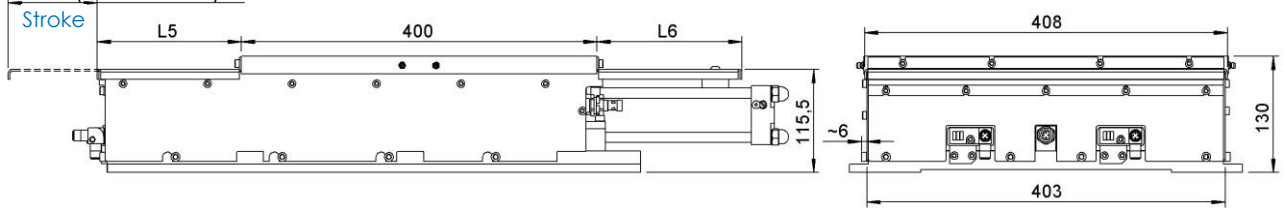


类型 Type	行程可调 Adjustable stroke	L5	L6	L7	L8
	[mm]	[mm]	[mm]	[mm]	[mm]
SLD63.1-50	5 ÷ 50	191	144	---	183
SLD63.1-100	51 ÷ 100	191	194	20	183
SLD63.1-150	101 ÷ 150	291	244	70	283
SLD63.1-200	151 ÷ 200	291	294	120	283
SLD63.1-300	201 ÷ 300	391	394	220	383
SLD63.1-400	301 ÷ 400	491	494	320	483
SLD63.1-500	401 ÷ 500	591	594	420	583

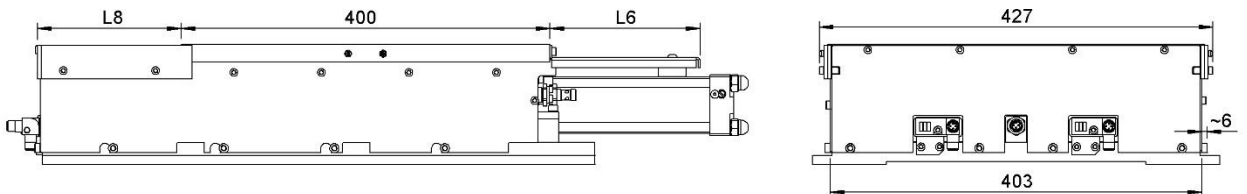
类型 Type	行程可调 Adjustable stroke	L5	L6	L7	L8
	[mm]	[mm]	[mm]	[mm]	[mm]
SLD80.1-50	5 ÷ 50	162	113	11	153
SLD80.1-100	51 ÷ 100	162	163	61	153
SLD80.1-150	101 ÷ 150	262	213	111	253
SLD80.1-200	151 ÷ 200	262	263	161	253
SLD80.1-300	201 ÷ 300	362	363	261	353
SLD80.1-400	301 ÷ 400	462	463	361	453
SLD80.1-500	401 ÷ 500	562	563	461	553

SLD80.1 → S1

行程 (最大 500 mm)



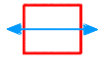
SLD80.1 → S3



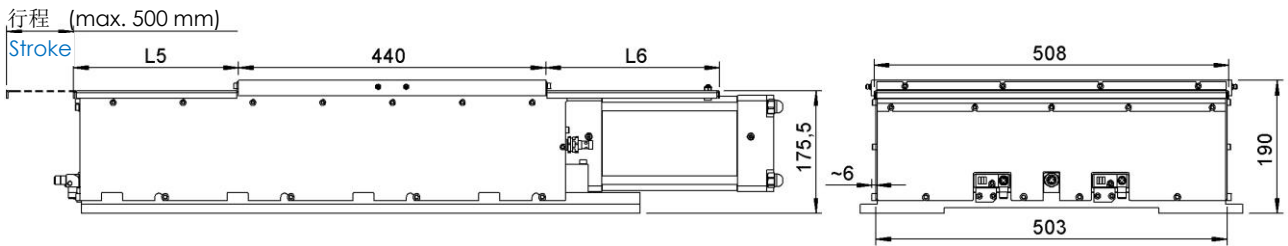
必须保护内部机械装置以防焊溅污染。(使用以上指定保护罩)
在高污染区使用时需对外部保护采取额外的措施。

The internal mechanics must be protected against contamination. (use the above indicated covers)

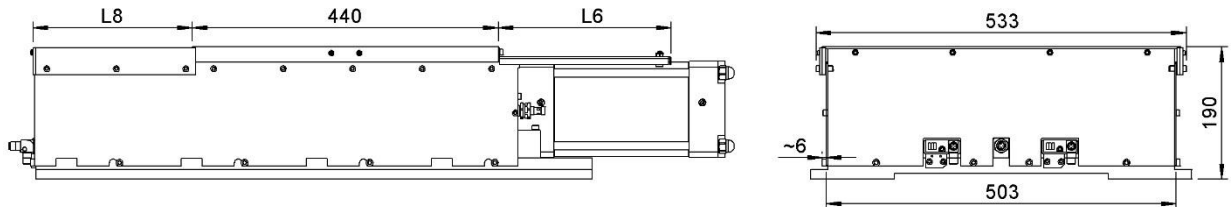
For operations in very extreme contamination areas, additional separate external shielding measures shall be applied.



SLD125.1 → S1



SLD125.1 → S3



必须保护内部机械装置以防飞溅污染。(使用以上指定保护罩)
 在高污染区使用时需对外部保护采取额外的措施。
 The internal mechanics must be protected against contamination. (use covers indicated above) For operations in very extreme contamination areas, additional separate external shielding measures shall be applied.

类型 Type	行程可调 Adjustable stroke	L5	L6	L7	L8
	[mm]	[mm]	[mm]	[mm]	[mm]
SLD125.1-50	5 ÷ 50	236	199	16	230
SLD125.1-100	51 ÷ 100	236	249	66	230
SLD125.1-150	101 ÷ 150	336	299	116	330
SLD125.1-200	151 ÷ 200	336	349	166	330
SLD125.1-300	201 ÷ 300	436	449	266	430
SLD125.1-400	301 ÷ 400	536	549	366	530
SLD125.1-500	401 ÷ 500	636	649	466	630

电感式传感器示意图

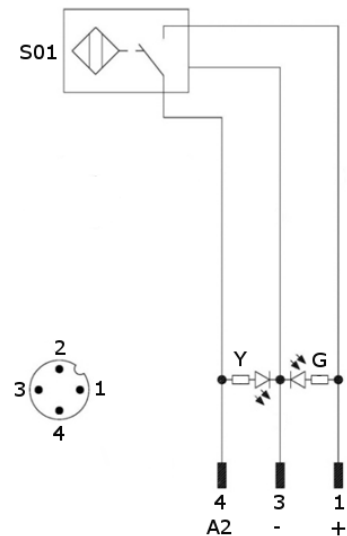
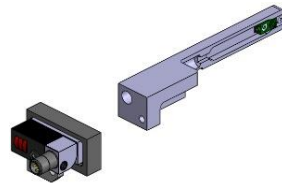
Diagram for inductive sensor.

技术参数:

- 输出类型: PNP
- 输入电压: 10-30 VDC;
- 最大换向电流: 200 mA;
- 耗电电流: < 25 mA;
- 电压差: < 2 V
- 工作温度: -25° / 70° C.

Technical data:

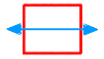
- Output type: PNP
- Feeding voltage: 10-30 VDC;
- Max. commutating current: 200 mA;
- Power supply: < 25 mA;
- Voltage drop: < 2 V;
- Temperature range: -25° / 70° C.



S01 = 打开信号
 S01 = opening signal

Y = 黄色 LED / yellow LED
 G = 绿色 LED / green LED

1 = 棕色系 / brown wire
 3 = 蓝色线 / blue wire
 4 = 白色线 / white wire



限位开关示意图

Diagram for Limit switch

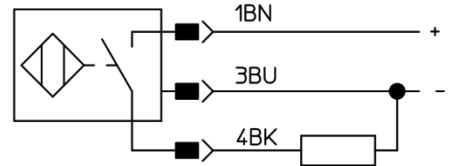
技术参数:

- 输出类型: PNP
- 输入气压: 10-30 VDC;
- 最大换向电流: 200 mA;
- 工作温度: -25° / 70° C.



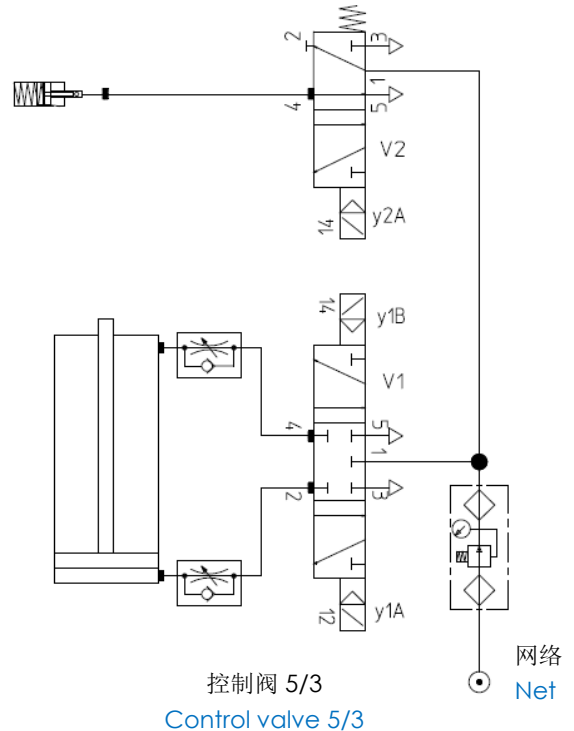
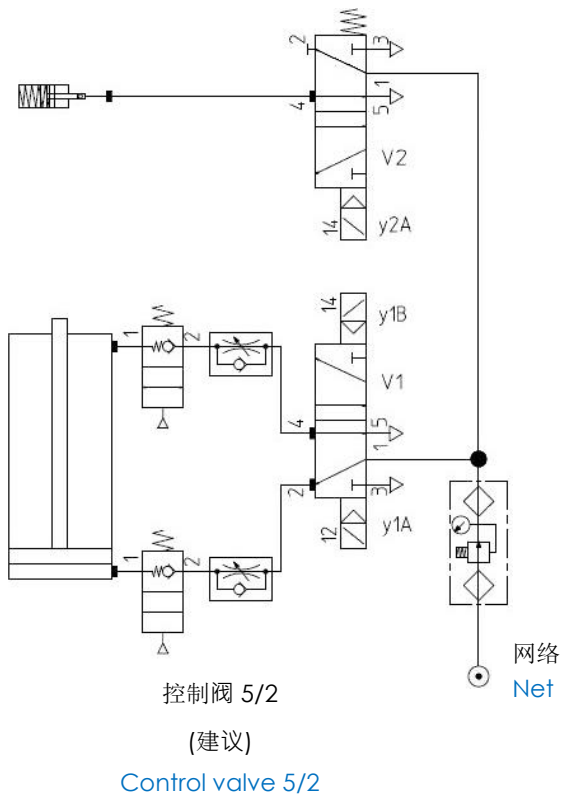
Technical data:

- Output type: PNP
- Feeding voltage: 10-30 VDC;
- Max. commutating current: 200 mA;
- Temperature range: -25° / 70° C.



气路图.

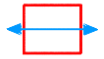
Pneumatic plan.



工作气压
Working pressure

[bar]

5 - 8








备件.

Spare parts.

配套元件 # Kit	图片 Picture	描述 Description	代号 Article
密封圈套件 Seals kit		SLD40.1	SCR-SLD40.1
		SLD50.1	SCR-SLD50.1
		SLD63.1	SCR-SLD63.1
		SLD80.1	SCR-SLD80.1
		SLD125.1	SCR-SLD125.1
气缸 Pneumatic cylinder		SLD40.1	07701/corsa/C 07701/stroke/C
		SLD50.1	07688/corsa/C 07688/stroke/C
		SLD63.1	07657/corsa/C 07657/stroke/C
		SLD80.1	07669/corsa/C 07669/stroke/C
		SLD125.1	07736/corsa/C 07736/stroke/C
SBI气缸 SBI Cylinder		SLD40.1/50.1/63.1/80.1/125.1	06825/C
SBI完整传感器 Inductive sensor for SBI complete		SLD40.1	08072/40/R/C
		SLD50.1	08072/50/R/C
		SLD63.1	08072/R/C
		SLD80.1	08072/80/R/C
		SLD125.1	08072/125/R/C
		SLD40.1	08072/40/L/C
		SLD50.1	08072/50/L/C
		SLD63.1	08072/L/C
		SLD80.1	08072/80/L/C
		SLD125.1	08072/125/L/C
卫星件 Sensor's satellite		SLD40.1 / 50.1	3/412
		SLD63.1 / 80.1 / 125.1	3/411
放大器模块 Power amplifier		SLD40.1/50.1/63.1/80.1/125.1	3/413



SBI传感器 调节垫片 Shims for SBI sensor		SLD40.1/50.1/63.1/80.1/125.1	08082/0,3/C	
限位开关 Limit switch		SLD40.1/50.1/63.1/80.1/125.1	3/191	
减震器 Shock absorber		SLD40.1/50.1	3/118	
		SLD63.1/80.1	3/119	
		SLD125.1	3/163	
滑块 Blocks		SLD40.1	3/091	
		SLD50.1	3/151	
		SLD63.1	3/131	
		SLD80.1	3/135	
		SLD125.1	3/136	
行程调整垫片 stroke adjustment shims		3 mm	SLD40.1 / SLD50.1	07878/3
			SLD63.1 / SLD80.1 / SLD125.1	07790/3
		4mm	SLD40.1 / SLD50.1	07878/4
			SLD63.1 / SLD80.1 / SLD125.1	07790/4
		5 mm	SLD40.1 / SLD50.1	07878/5
			SLD63.1 / SLD80.1 / SLD125.1	07790/5

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