



Dispositivo di scorrimento lineare SLDS.1

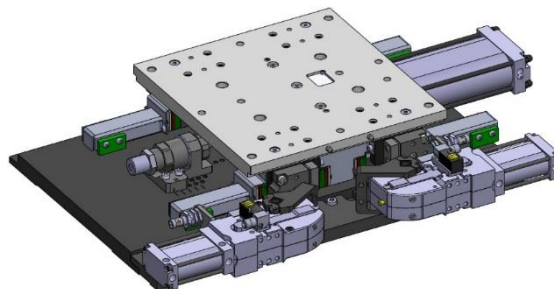
Linear unit SLDS.1

Caratteristiche principali:

- Corsa modulare regolabile
- Cilindro pneumatico con alesaggio 63, 80, 125 mm
- 2 guide lineari con 4 carrelli
- Ripetibilità: $\pm 0,01$ mm
- Sistema di bloccaggio con chiusure (SBC)
- Frenatura cilindro in posizione di chiusura (standard)
- Deceleratore in posizione di apertura
- Sensori di posizione in apertura ed in chiusura

Main characteristics:

- Adjustable modular stroke
- Pneumatic cylinder with 63, 80, 125 mm bore
- 2 linear guideways and 4 runner blocks
- Repeatability: $\pm 0,01$ mm
- Clamp locking system (SBC)
- Cylinder cushion in the closing position (standard)
- Shock absorber in the opening position
- Proximity switches in the opening and closing position


[PDF](#)

[3D Step](#)

[WEB](#)

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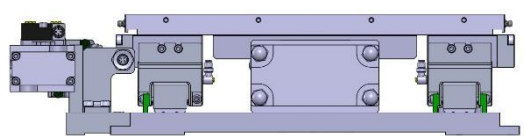
Codice d'ordine.
Ordering example.

SLDS80.1 - **100/60** - **L** - **H**

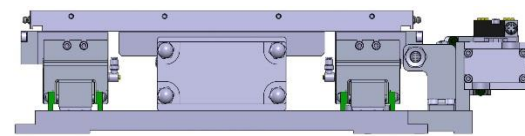
- SLDS63.1**
alesaggio Ø 63 mm,
4 carrelli, carico max. 150 Kg
cylinder bore Ø 63 mm,
4 runner blocks, max. load 150 Kg
- SLDS80.1**
alesaggio Ø 80 mm,
4 carrelli, carico max. 250 Kg
cylinder bore Ø 80 mm,
4 runner blocks, max. load 250 Kg
- SLDS125.1**
alesaggio Ø 125 mm,
4 carrelli, carico max. 600 Kg
cylinder bore Ø 125 mm,
4 runner blocks, max. load 600 Kg

Sistema di bloccaggio SBC:
SBC locking device position:

L : Bloccaggi sul lato Sx
Locking on the left side
(Posizione standard di fornitura)
Standard delivery position



R : Bloccaggi sul lato Dx
Locking on the right side



Tipo Type	Corsa Adjustable stroke
50	1÷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

Posizione di montaggio:
Mounting position:

H: orizzontale (standard)
horizontal (standard)

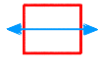
V: applicazione speciale con posizione di montaggio verticale o inclinato
SOLO dopo approvazione da parte della VEP Automation.
special application with vertical or tilted mounting position
ONLY after the approval of VEP AUTOMATION

La corsa è regolabile ad intervalli di 1mm.
The stroke of the linear unit is adjustable with steps of 1mm.

Tipologie standard / Standard types:

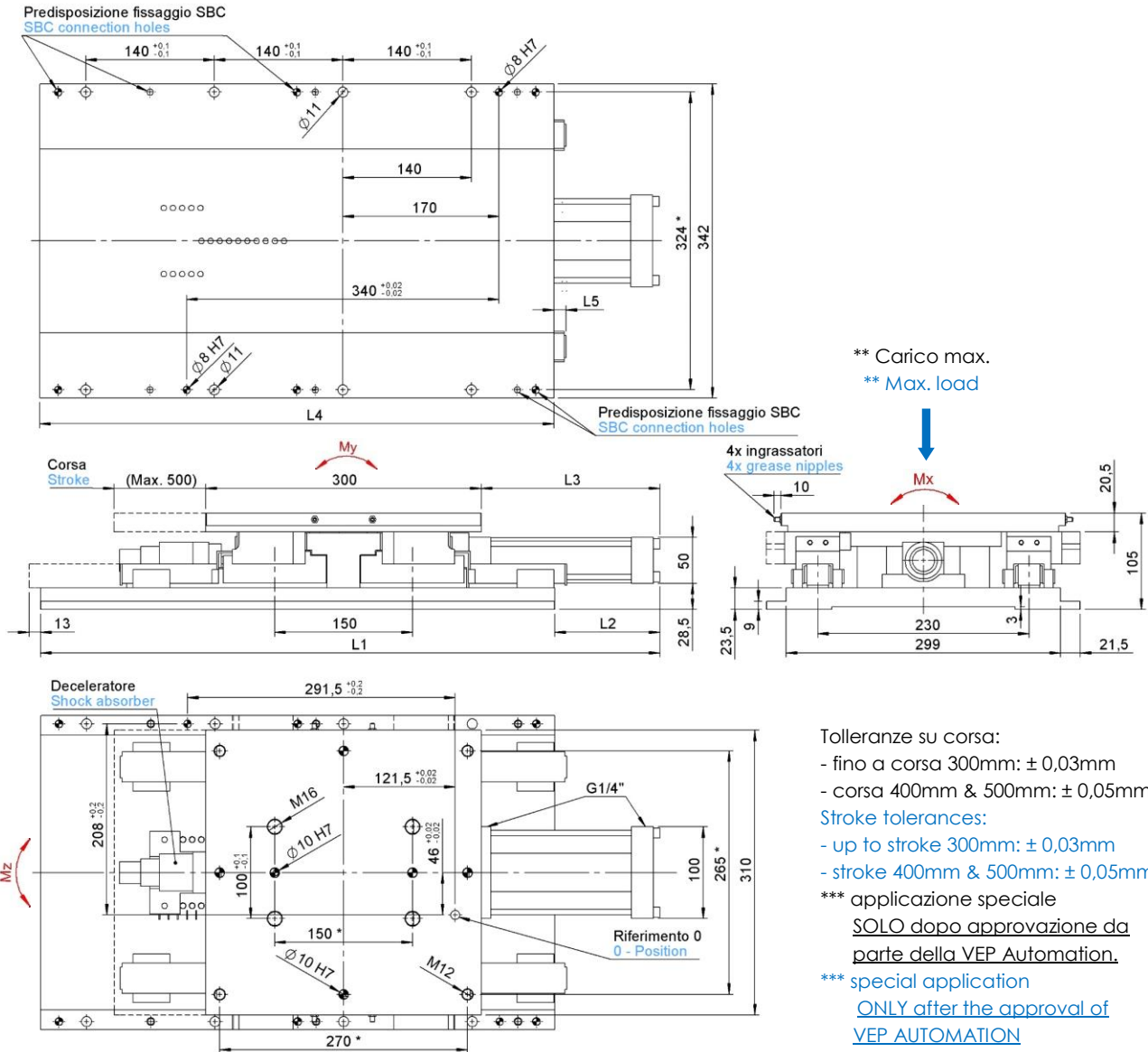
SLDS63.1	50	100	150	200	300	400	500
SLDS80.1	50	100	150	200	300	400	500
SLDS125.1	50	100	150	200	300	400	500

Tipologie 400 e 500 su richiesta
Types 400 e 500 on request



SLDS63.1-... / ...-X-H

Slitta lineare, D.63, 4 carrelli, Blocco SBC, Corsa vario
 Linear unit, D.63, 4 Runner blocks, Clamp locking sys., Various stroke

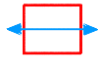


Tolleranze su corsa:
 - fino a corsa 300mm: $\pm 0,03\text{mm}$
 - corsa 400mm & 500mm: $\pm 0,05\text{mm}$
 Stroke tolerances:
 - up to stroke 300mm: $\pm 0,03\text{mm}$
 - stroke 400mm & 500mm: $\pm 0,05\text{mm}$
 *** applicazione speciale
SOLO dopo approvazione da parte della VEP Automation.
 *** special application
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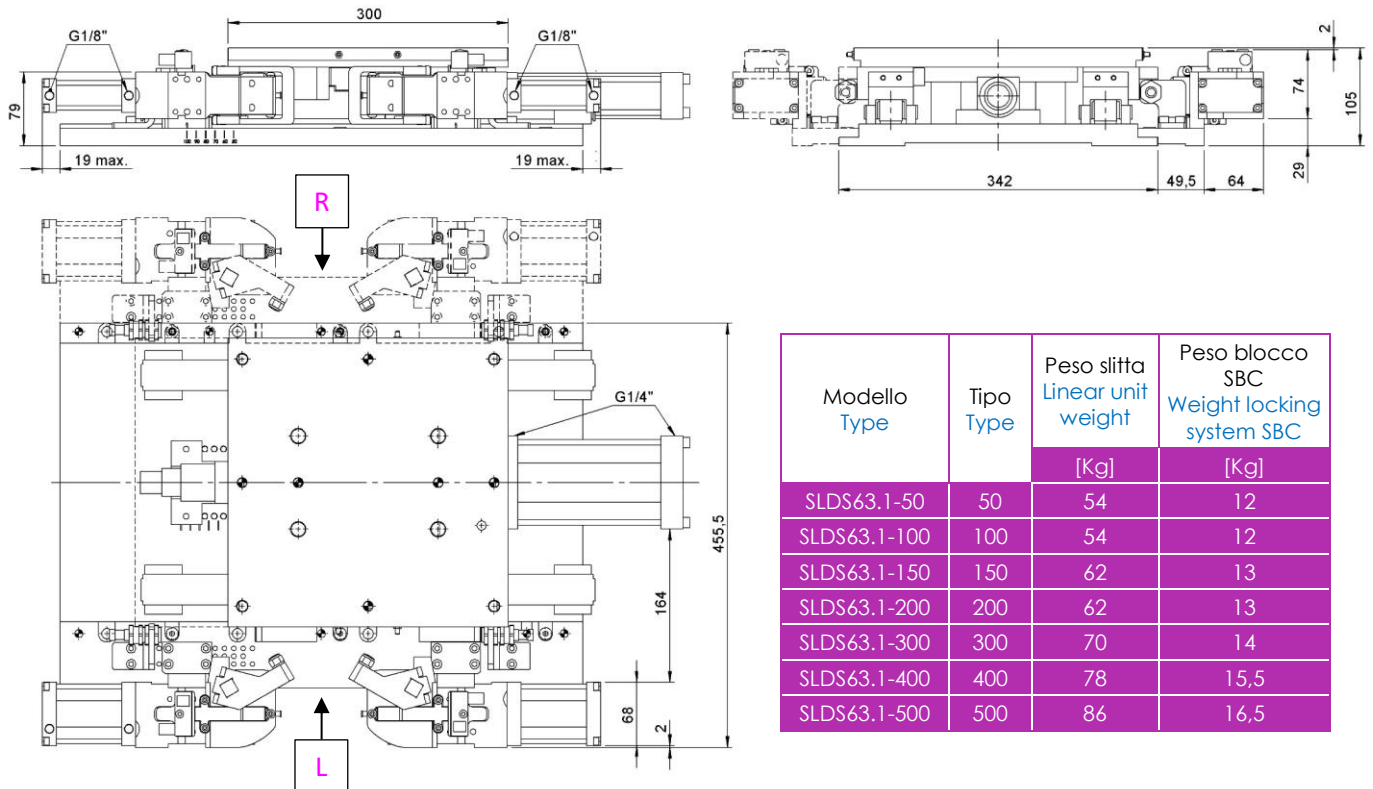
Tolleranze: fori spina: $\pm 0,02$ | fori filettati: $\pm 0,1$
 #Tolerances: dowel holes: $\pm 0,02$ | screw holes: $\pm 0,1$

Modello Type	Tipo Type	Alesaggio Cylinder bore	Corsa regolabile Adjustable stroke	Peso Weight	L1	L2	L3	L4	L5	Consumo aria (5 bar) Air consumption (5 bar)	Pressione d'esercizio Working pressure
		[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[l]	[bar]
SLDS63.1-50	50	63	0 - 50	54	625	65	145	560	---	1,9	4 - 8
SLDS63.1-100	100		50-100	54	675	115	195	560	14	3,6	
SLDS63.1-150	150		100-150	62	825	165	245	660	64	5,4	
SLDS63.1-200	200		150-200	62	875	215	295	660	114	7,2	
SLDS63.1-300	300		200-300	70	1075	315	395	760	214	10,7	
SLDS63.1-400	400		300-400	78	1275	415	495	860	314	14,3	
SLDS63.1-500	500		400-500	86	1475	515	595	960	414	17,9	

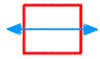
** Carico max. applicabile (5 bar) ** Max. applicable load (5 bar)		Momento dinamico max. Dynamic torque max			Momento statico max. Static moment max.			Spinta max. Max. Thrust force (5 bar)
[kg]		[Nm]			[Nm]			[N]
Installazione orizzontale Horizontal installation	Installazione verticale Vertical installation	Mx	My	Mz	Mx	My	Mz	1480
150	65***	560	280	220	840	430	330	



Dispositivo di scorrimento lineare con bloccaggio con chiusure Linear unit with clamps locking system

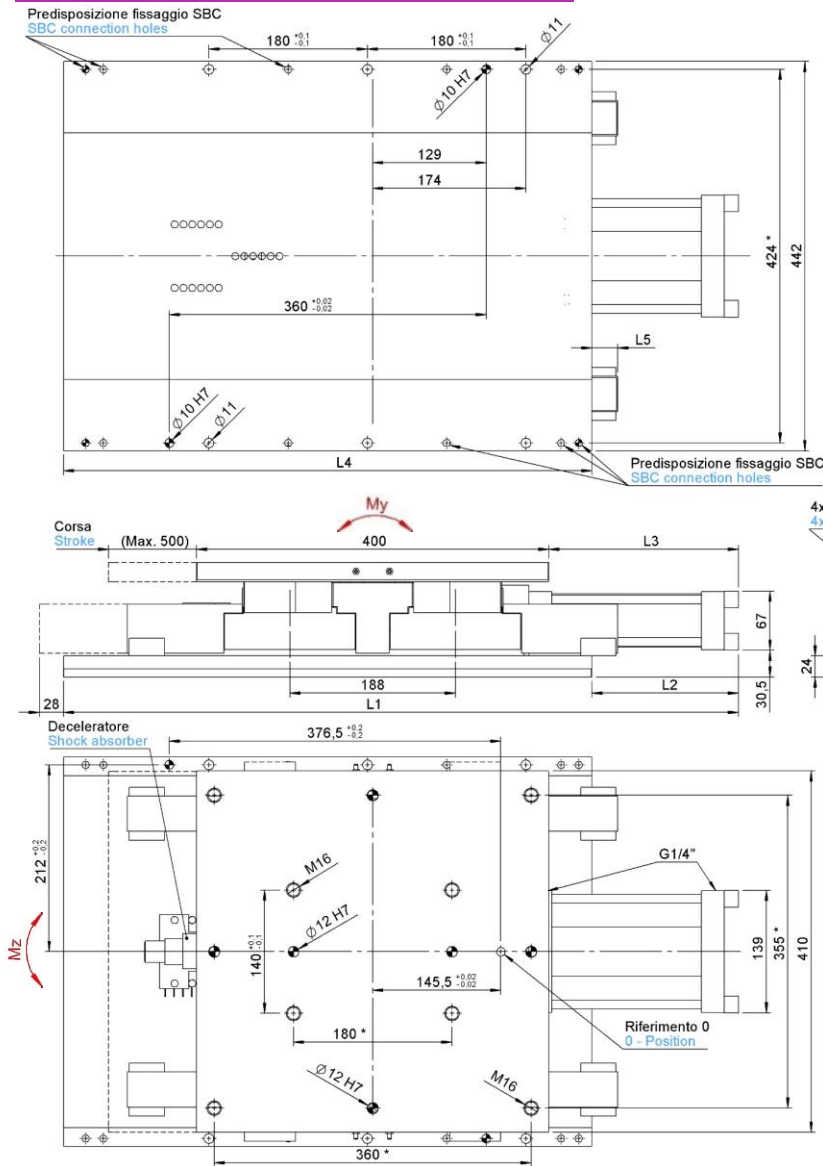


Modello Type	Tipo Type	Peso slitta Linear unit weight	Peso blocco SBC Weight locking system SBC
		[Kg]	[Kg]
SLDS63.1-50	50	54	12
SLDS63.1-100	100	54	12
SLDS63.1-150	150	62	13
SLDS63.1-200	200	62	13
SLDS63.1-300	300	70	14
SLDS63.1-400	400	78	15,5
SLDS63.1-500	500	86	16,5



SLDS80.1-... / ...-X-H

Slitta lineare, D.80, 4 carrelli, Blocco SBC, Corsa vario
 Linear unit, D.80, 4 Runner blocks, Clamp locking sys., Various stroke



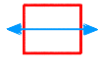
** Carico max.
 ** Max. load

Tolleranze su corsa:
 - fino a corsa 300mm: $\pm 0,03\text{mm}$
 - corsa 400mm & 500mm: $\pm 0,05\text{mm}$
 Stroke tolerances:
 - up to stroke 300mm: $\pm 0,03\text{mm}$
 - stroke 400mm & 500mm: $\pm 0,05\text{mm}$
 *** applicazione speciale
 SOLO dopo approvazione da
 parte della VEP Automation.
 *** special application
 ONLY after the approval of
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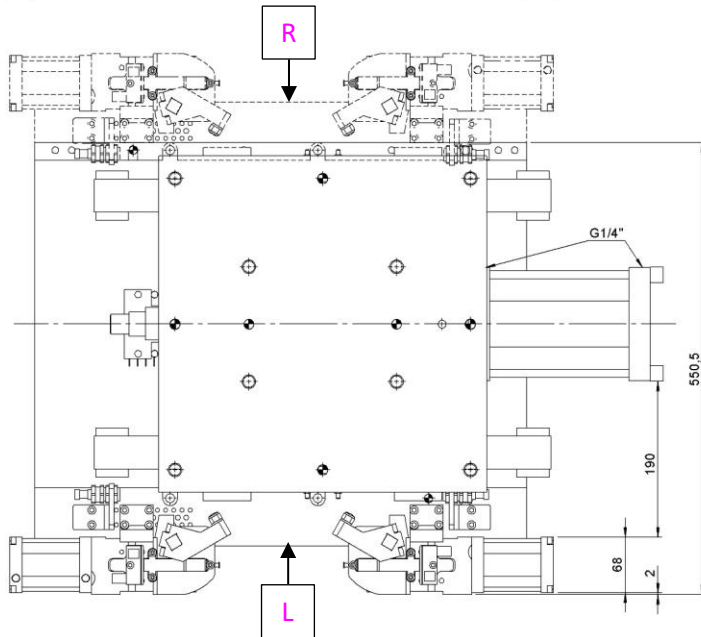
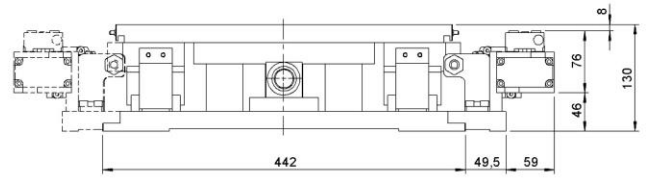
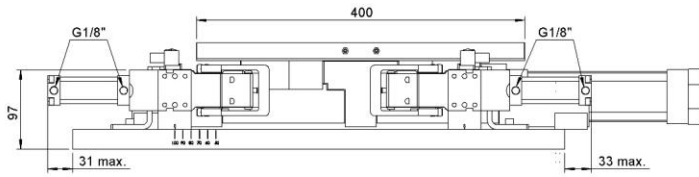
Tolleranze: fori spina: ± 0.02 | fori filettati: ± 0.1
 #Tolerances: dowel holes: ± 0.02 | screw holes: ± 0.1

Modello Type	Tipo Type	Alesaggio Cylinder bore	Corsa regolabile Adjustable stroke	Peso Weight	L1	L2	L3	L4	L5	Consumo aria (5 bar) Air consumption (5 bar)	Pressione d'esercizio Working pressure
		[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[l]	[bar]
SLDS80.1-50	50	80	0 - 50	90	717	117	166	600	---	3,0	4 - 8
SLDS80.1-100	100		50-100	91	767	167	216	600	30	5,9	
SLDS80.1-150	150		100-150	100,5	917	217	266	700	80	8,8	
SLDS80.1-200	200		150-200	101,5	967	267	316	700	130	11,6	
SLDS80.1-300	300		200-300	112,5	1167	367	416	800	230	17,4	
SLDS80.1-400	400		300-400	124	1367	467	516	900	330	23,1	
SLDS80.1-500	500		400-500	134,5	1567	567	616	1000	430	28,9	

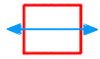
** Carico max. applicabile (5 bar) ** Max. applicable load (5 bar)		Momento dinamico max. Dynamic torque max			Momento statico max. Static moment max.			Spinta max. Max. Thrust force (5 bar)
[kg]		[Nm]			[Nm]			[N]
Installazione orizzontale Horizontal installation	Installazione verticale Vertical installation	Mx	My	Mz	Mx	My	Mz	2390
250	90***	1270	640	500	1930	980	760	



Dispositivo di scorrimento lineare con bloccaggio con chiusure Linear unit with clamps locking system

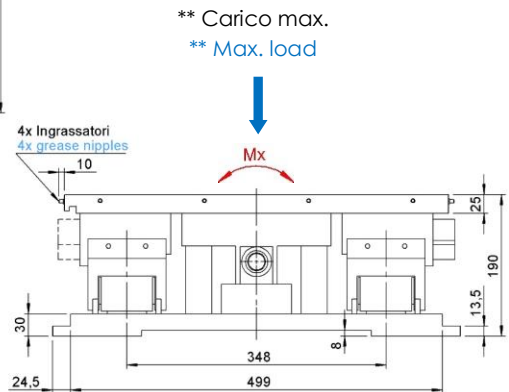
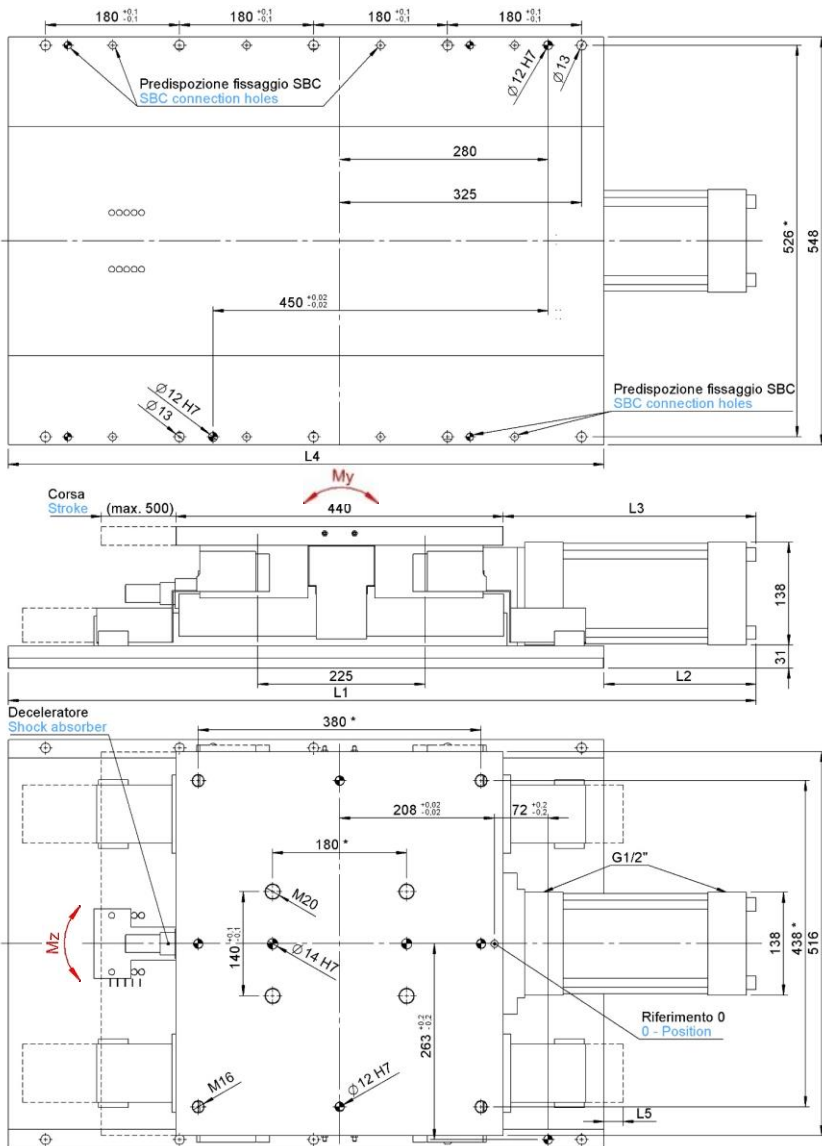


Modello Type	Tipo Type	Peso slitta Linear unit weight	Peso blocco SBC Weight locking system SBC
		[Kg]	[Kg]
SLDS80.1-50	50	90	14
SLDS80.1-100	100	91	14
SLDS80.1-150	150	100,5	15,5
SLDS80.1-200	200	101,5	15,5
SLDS80.1-300	300	112,5	16,5
SLDS80.1-400	400	124	17,5
SLDS80.1-500	500	134,5	18,5



SLDS125.1-... / ...-X-H

Slitta lineare, D.125, 4 carrelli, Blocco SBC, Corsa vario
Linear unit, D.125, 4 Runner blocks, Clamp locking sys., Various stroke

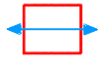


Tolleranze su corsa:
- fino a corsa 300mm: $\pm 0,03\text{mm}$
- corsa 400mm & 500mm: $\pm 0,05\text{mm}$
Stroke tolerances:
- up to stroke 300mm: $\pm 0,03\text{mm}$
- stroke 400mm & 500mm: $\pm 0,05\text{mm}$
*** applicazione speciale
SOLO dopo approvazione da parte della VEP Automation.
*** special application
ONLY after the approval of VEP AUTOMATION

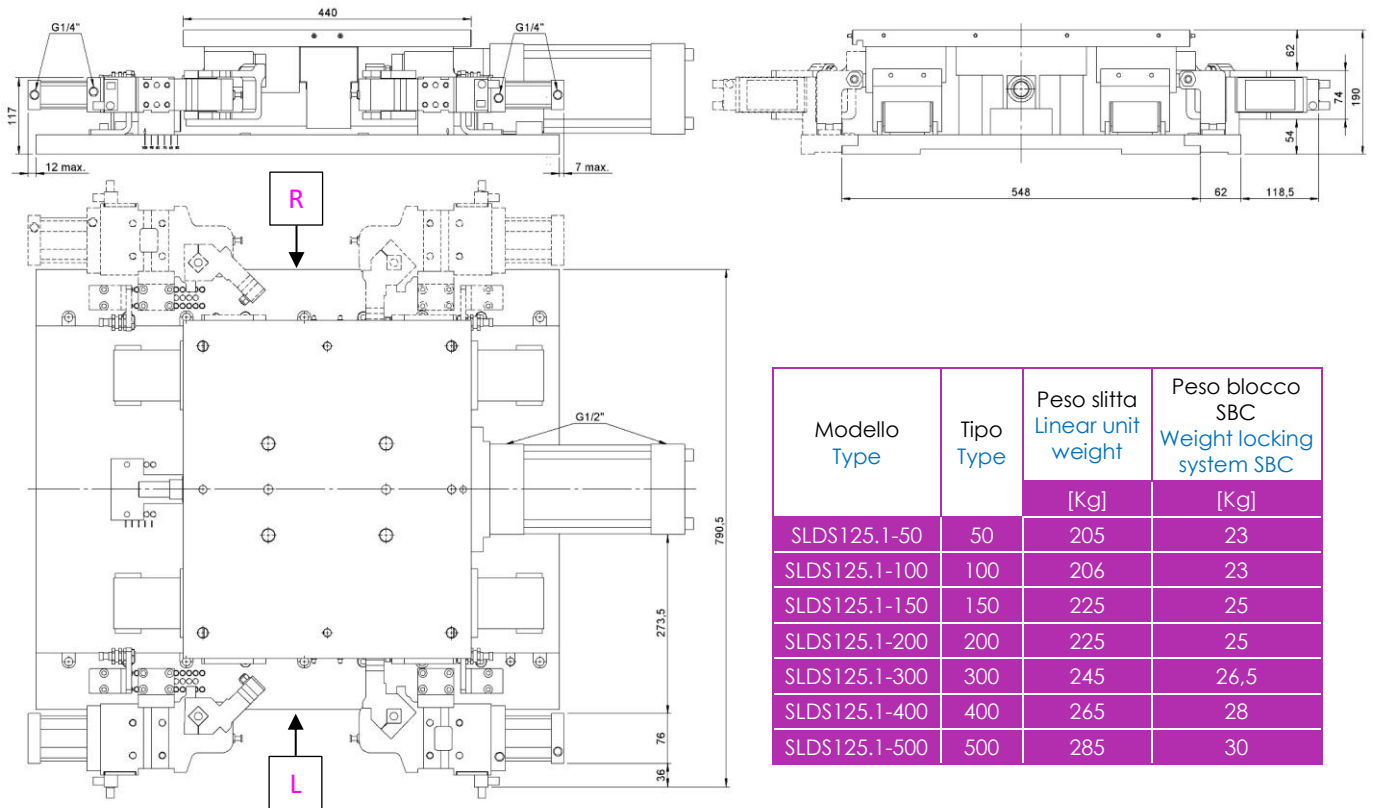
Tolleranze: fori spina: $\pm 0,02$ | fori filettati: $\pm 0,1$
#Tolerances: dowel holes: $\pm 0,02$ | screw holes: $\pm 0,1$

Modello Type	Tipo Type	Alesaggio Cylinder bore	Corsa regolabile Adjustable stroke	Peso Weight	L1	L2	L3	L4	L5	Consumo aria (5 bar) Air consumption (5 bar)	Pressione d'esercizio Working pressure
		[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[l]	[bar]
SLDS125.1-50	50	125	0 - 50	205	955	155	290	800	---	7,8	4 - 8
SLDS125.1-100	100		50-100	206	1005	205	340	800	---	14,7	
SLDS125.1-150	150		100-150	225	1155	255	390	900	26	21,8	
SLDS125.1-200	200		150-200	225	1205	305	440	900	76	28,7	
SLDS125.1-300	300		200-300	245	1405	405	540	1000	176	42,7	
SLDS125.1-400	400		300-400	265	1605	505	640	1100	276	56,6	
SLDS125.1-500	500		400-500	285	1805	605	740	1200	376	70,6	

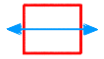
** Carico max. applicabile (5 bar) ** Max. applicable load (5 bar)		Momento dinamico max. Dynamic torque max			Momento statico max. Static moment max.			Spinta max. Max. Thrust force (5 bar)
[kg]		[Nm]			[Nm]			[N]
Installazione orizzontale Horizontal installation	Installazione verticale Vertical installation	Mx	My	Mz	Mx	My	Mz	5820
600	180***	3500	2280	1300	4900	3190	2100	



Dispositivo di scorrimento lineare con bloccaggio con chiusure Linear unit with clamps locking system



Modello Type	Tipo Type	Peso slitta Linear unit weight	Peso blocco SBC Weight locking system SBC
		[Kg]	[Kg]
SLDS125.1-50	50	205	23
SLDS125.1-100	100	206	23
SLDS125.1-150	150	225	25
SLDS125.1-200	200	225	25
SLDS125.1-300	300	245	26,5
SLDS125.1-400	400	265	28
SLDS125.1-500	500	285	30



Schema per sensore induttivo CP40.2 (07463/SLDS/C)

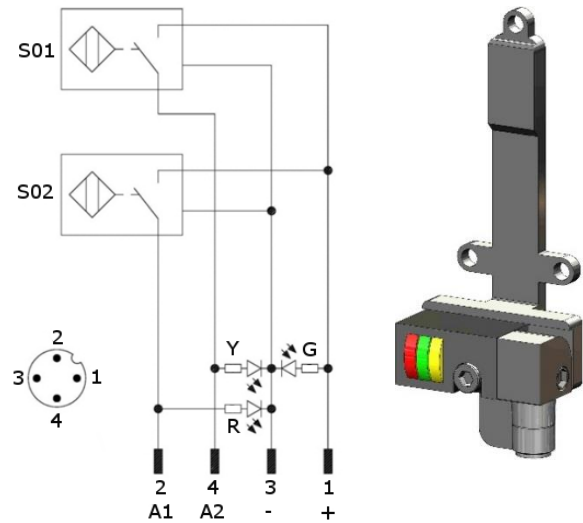
Diagram for inductive sensor CP40.2 (07463/SLDS/C)

Caratteristiche tecniche:

- Tipo di uscita: PNP
- Tensione d'alimentazione: 10-30 VDC;
- Corrente max. di commutazione: 200 mA;
- Consumo di corrente: < 25 mA;
- Calo di tensione: <2 V
- Campo di temperatura: -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 = segnale d'apertura
S01 = opening signal
S02 = segnale di chiusura
S02 = closing signal

Y = LED giallo / yellow LED
G = LED verde / green LED
R = LED rosso / red LED

1 = filo marrone / brown wire
2 = filo nero / black wire
3 = filo blu / blue wire
4 = filo bianco / white wire

Schema per sensore induttivo CP50 (05688)

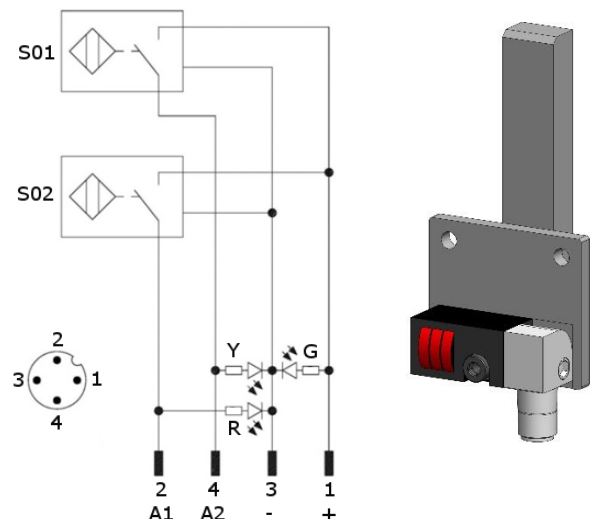
Diagram for inductive sensor CP50 (05688)

Caratteristiche tecniche:

- Tipo di uscita: PNP
- Tensione d'alimentazione: 10-30 VDC;
- Corrente max. di commutazione: 200 mA;
- Consumo di corrente: < 25 mA;
- Calo di tensione: <2 V
- Campo di temperatura: -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 = segnale d'apertura
S01 = opening signal
S02 = segnale di chiusura
S02 = closing signal

Y = LED giallo / yellow LED
G = LED verde / green LED
R = LED rosso / red LED

1 = filo marrone / brown wire
2 = filo nero / black wire
3 = filo blu / blue wire
4 = filo bianco / white wire



Schema per Finecorsa (3/191) Diagram for Limit switch (3/191)

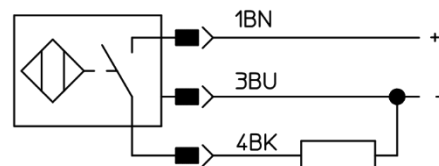
Caratteristiche tecniche:

- Tipo di uscita: PNP
- Tensione d'alimentazione: 10-30 VDC;
- Corrente max. di commutazione: 200 mA;
- Campo di temperatura: -25° / 70° C.



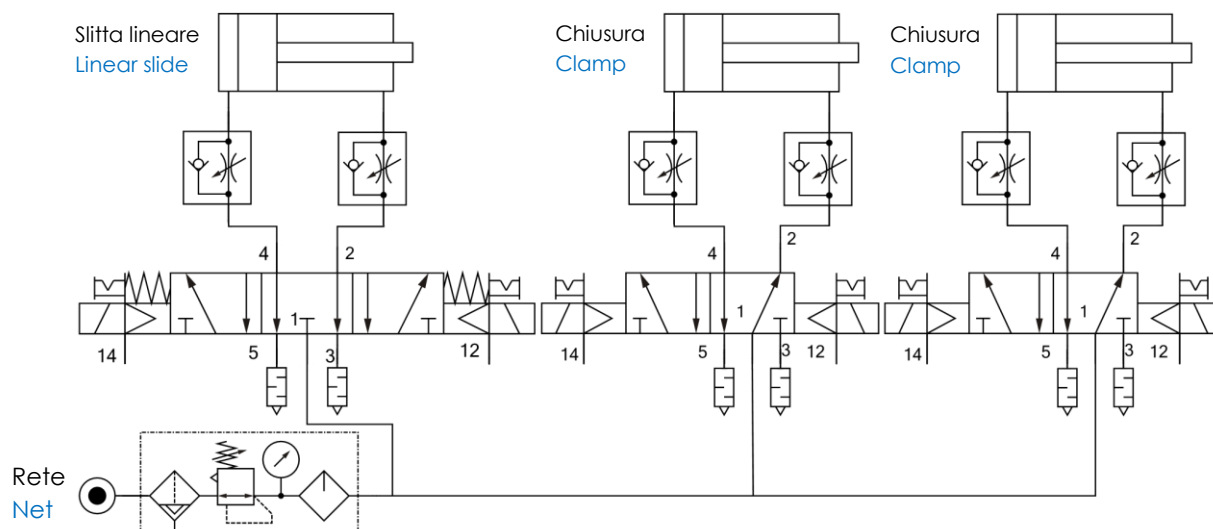
Technical data:

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



Schema pneumatico. Pneumatic plan.

Valvola di comando 5/3
Control valve 5/3



Consumo d'aria. Air consumption




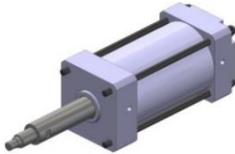





Corsa Stroke	Consumo d'aria (5 bar) Air consumption (5 bar)		
	SLDS63.1	SLDS80.1	SLDS125.1
[mm]	[l]	[l]	[l]
50	3,3	4,4	9,8
100	5,0	7,3	16,8
150	6,8	10,2	23,7
200	8,6	13,0	30,7
300	12,1	18,8	44,7
400	15,7	24,5	58,7
500	19,2	30,2	72,6

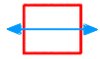
Pressione d'esercizio Working pressure
[bar]
4 – 8

NB: si raccomanda l'utilizzo di aria secca non lubrificata.

Note: It's requesting to use unlubricated air and sand bank.


Ricambi.
Spare parts.

# Kit	Immagine Picture	Descrizione Description	Articolo Article
Kit guarnizioni Seals kit		SLDS63.1	SCR-SLD63.1
		SLDS80.1	SCR-SLD80.1
		SLDS125.1	SCR-SLD125.1
Cilindro pneumatico Pneumatic cylinder		SLDS63.1	07657/corsa/C 07657/stroke/C
		SLDS80.1	07669/corsa/C 07669/stroke/C
		SLDS125.1	07736/corsa/C 07736/stroke/C
Sensore induttivo CP40.2 Inductive sensor CP40.2		SLDS63.1/SLDS 80.1	07463/SLDS/C
Sensore induttivo CP50 Inductive sensor CP50		SLDS125.1	05688
Finecorsa Limit switch		SLDS63.1/SLDS 80.1/SLDS125.1	3/191
Deceleratore Shock absorber		SLDS63.1/ SLDS 80.1	3/119
		SLDS125.1	3/163
Spessori regolazione corsa stroke adjustment shims		3 mm	07790/3
		4 mm	07790/4
		5 mm	07790/5



Spessori regolazione corsa stroke adjustment shims		0,5 mm	SLDS63.1 / SLDS80.1	08598/0,5
			SLDS125.1	09322/0,5
		1 mm	SLDS63.1 / SLDS80.1	08598/1
			SLDS125.1	09322/1
		2 mm	SLDS63.1 / SLDS80.1	08598/2
			SLDS125.1	09322/2
Carrello Blocks		SLDS63.1	3/131/R	
		SLDS80.1	3/135/R	
		SLDS125.1	3/136/R	
Chiusura pneumatica Pneumatic clamp		CP40.2 Leva G1D CP40.2 Arm G1D (SLDS63.1)	CP40.2 G1D IR - 60	
		CP40.2 Leva G1DD CP40.2 Arm G1DD (SLDS80.1)	CP40.2 G1DD IR - 60	
		CP40.2 Leva G1S CP40.2 Arm G1S (SLDS63.1)	CP40.2 G1S IR - 60	
		CP40.2 Leva G1SS CP40.2 Arm G1SS (SLDS80.1)	CP40.2 G1SS IR - 60	
		CP50 Leva G1D CP50 Arm G1D (SLDS125.1)	CP50 G1D I - 45	
		CP50 Leva G1S CP50 Arm G1S (SLDS125.1)	CP50 G1S I - 45	
	Kit guarnizioni Seals kit		Guarnizioni cilindro pneumatico alesaggio 40 mm CP40.2 Seal components for pneumatic cylinder bore 40 mm CP40.2	SCR-CP40.2
			Guarnizioni cilindro pneumatico alesaggio 50 mm CP50 Seal components for pneumatic cylinder bore 50 mm CP50	SCR-CIL50V