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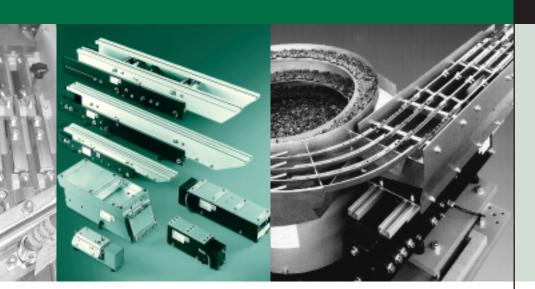
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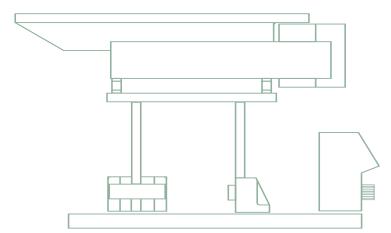
DW 2535





Standard Equipment

- Linear Feeders
- Drive Units
- Control boxes
 - Accessories

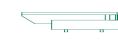














Rhein-Nadel Automation GmbH • Standard Equipment

RNA - Feeding Technology





RNA – The Company

With many years experience in the parts handling industry and nearly 2000 complete feed systems supplied annually, RNA have earned a reputation for the most robust and reliable equipment on the market. Our commitment to research and development maintains our position at the leading edge of feeding technology.

We provide an extensive range of the most efficient drive units, controllers and accessories for either standard or special requirements. All equipment is manufactured to the highest standards of quality upon which we have built our reputation.

We offer a first class service and for standard equipment, immediate delivery from stock. Our product range is manufactured to meet the highest demands of the food and pharmaceutical industries and also includes equipment manufactured to UL and CSA standards.

Quality has always been of central importance to RNA, with each employee committed to make their own personal contribution to the achieve-

QUALITÄTS-

MANAGEMENT Wir sind zertifiziert ment of quality standards and customer satisfaction. We know that long term success in business can only be achieved by providing high quality equipment, which fulfils the customers requirements.

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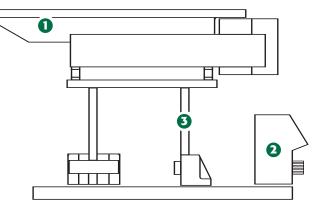


Linear feeders from RNA for in line feeding of components and much more.....

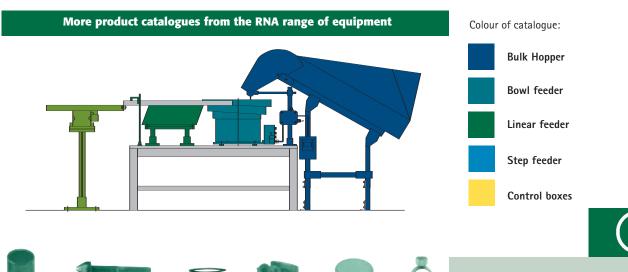
In addition to horizontal conveying of components, linear feeders can be used to handle irregular supplies of parts from upstream equipment, creating a buffer store and smooth flow for further processes. Moreover linear feeders can also be used for the orientation of components and provide higher outputs with a multi-track design. (see also ZE-feeders from RNA page 19). Misorientated components are returned to pre-feeders via a chute and vibration tray. Another use of linear feeders is to provide the drive unit for hoppers to store and feed bulk components. The advantage of vibratory hoppers when compared to other methods is the smooth, gentle and troublefree flow of components with high feeding weights. Further information can be found in our bulk hopper catalogue. RNA linear feeders are renowned for their high feed performance, long tracks and reliability in demanding conditions.

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Special technical requirements are available on request. All measurements are in millimetres.

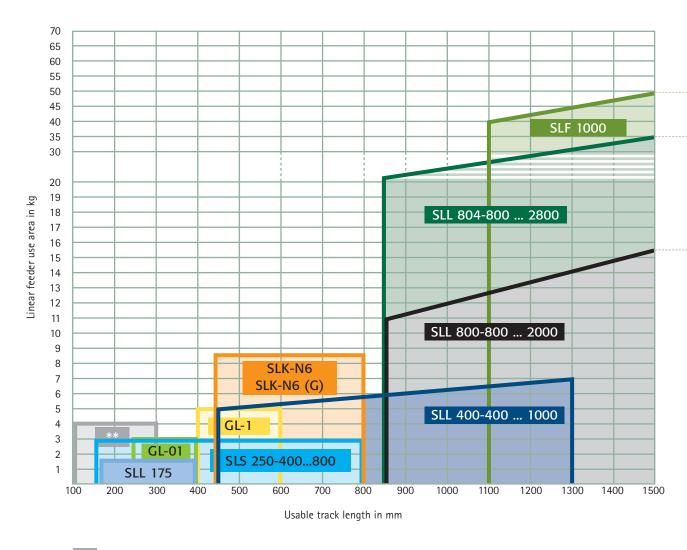


Linear Feeder Selection

The diagram indicates the most suitable linear feeder type depending on the application.

- **1.** Determine the required track length.
- **2.** Determine the weight of the linear track and other tooling attachments (e.g. sorting chute).
- **3.** Add the weight of components during feed to the weight of the track and attachments.
- **4.** The appropriate RNA linear feeder is shown in the diagram according to the weight and track length.



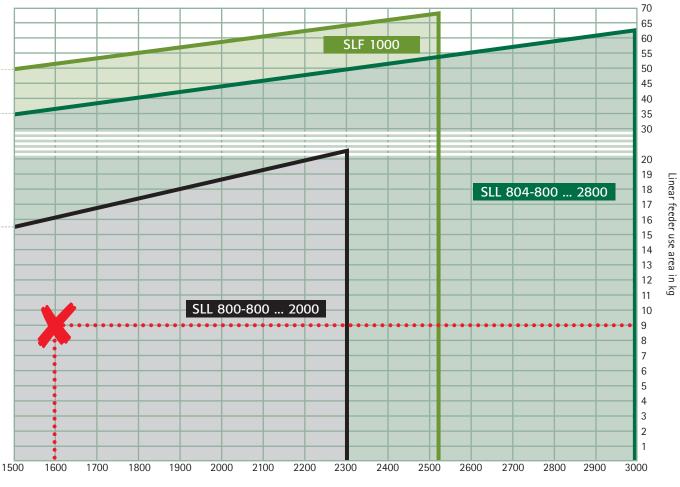


Special types on enquiry



Example

- The requirement is for a feeding distance of 1600 mm.
- Assumption: The track weight for this length is 5.8 kg.
- The component weight on this distance of track amounts to 3.2 kg.
- The total weight of components and track is therefore 9 kg
- The diagram suggests that the linear for a track length of 1600 mm and a total weight of 9 kg should be: SLL 800

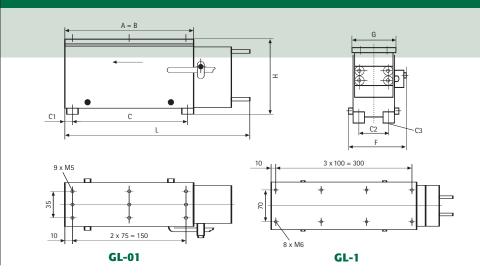


Usable track length in mm

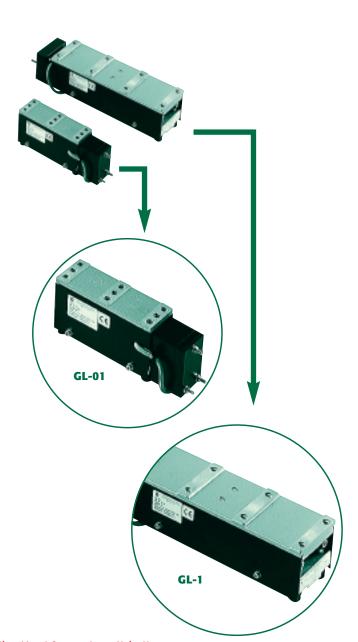


Series GL

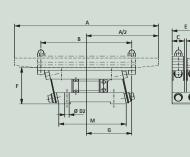
The GL series of RNA linear feeders have horizontally fitted springs instead of the traditional vertical arrangement. Feeding resembles more of a sliding motion as opposed to the "projecting" of parts commonly seen on other linear feeders. The smooth and gentle movement provided by this linear means that it is highly recommended when feeding and transferring thin components.

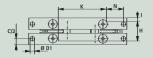


Туре	GL-01	GL-1
A = Vibrator top length	170	320
B = Length of counter mass	170	320
C = Fastening measure	152	285
C1 =	10	12,5
C2 =	40	70
C3 =	4 x M4	4 x M6
F = Total width	ca. 78	117
G = Vibrator top width	58	105
H = Total height	100 +/- 2	100 +/- 2
L = Total length	ca. 245	ca. 410
Weight of the linear feeder drive unit	3,8 kg	8,5 kg
Max. load of the linear track		
(Including Components)	3 kg	5 kg
Max. track length	400	600
Current input	0,55 (A)	0,87 (A)
Protection class	IP54	IP54
Vibrating frequency	100 Hz	100 Hz
Connection cable length (to control box)	1.400	1400
Suitable stand type		
(see page 18)	UTL 1	UTL 2

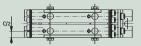


Voltage 200V/50 Hz. Available with special voltages 110V/220V and frequencies 50Hz/60Hz The difference between track length and vibrator top length should be mounted to a ratio of: 1/3 infeed side 2/3 discharge side





SLS 250-400



SLS 600-800

Series SLS



The linear feeder particulary suitable for parts with a highly precise guidance at the change over to separation or vibratory bowl feeder.

Owing to the counter vibration principle with the linear feeder, the vibrating forces in the base plate are almost balanced.

Туре	SLS 250	SLS 400	SLS 600	SLS 800
A (mm)	150 - 250	200 - 400	300 - 600	500 - 800
B (mm)	122	58	85	150
C (mm)	17	17	24	29
D1 (mm)	4,5	4,5	5,5	6,6
D2 (mm)	4,5	7	9	10
E (mm)	36	36	50	60
F (mm)	49	79,7	111,7	139,7
G (mm)	56	10	30	45
H (mm)	28	52	88	133
K (mm)	75	128	177	283
M (mm)	90	140	200	300
N (mm)	17,3	-	-	-
Max. weight of feeding track (kg)	0,3	0,65	1,5	3,0
Weight of basic unit (kg)	0.7	1	2	7
Max. power input (VA)	10	15	25	60
Control box	ESG 1000	ESG 1000	ESG 1000	ESG 1000

Voltage 200V/50 Hz. Available with special voltages 110V/220V and frequencies 50Hz/60Hz







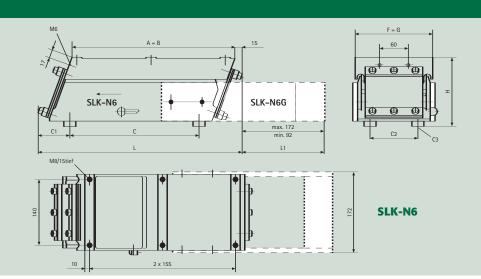






Series SLK

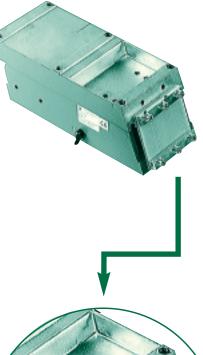




In order to achieve the best performance, we recommend the fitting of counter weights where there is extended track on the discharge side **[SLK-N6 (G)]**.

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Туре	SLK-N6	SLK-N6 (G)
A = Vibrator top length	340	340
B = Length of counter mass	340	340
C = Fastening measure	270	270
C1 =	66	66
C2 =	100	100
C3 =	4 x M6	4 x M6
F = Total width	162	162
G = Vibrator top width	162	162
H = Total height	143	143
L = Total length	426	426
L1= Total length	-	min. 92, max. 172
Weight of the linear feeder drive unit	22,3 kg	35 kg
Max. load of the linear track		
(Including Components)	5 – 8,5 kg	5 – 8,5 kg
Max. track length	800	800
Current input	1,25 (A)	1,25 (A)
Protection class	IP 54	IP 54
Vibrating frequency	50 Hz	50 Hz
Connection cable (to control box)	1.850	1.850
Suitable stand type		
(see page 18)	UTL 2	UTL 2





Voltage 200V/50 Hz. Available with special voltages 110V/220V and frequencies 50Hz/60Hz

The difference between track length and vibrator top length should be mounted to a ratio of: 1/3 infeed side 2/3 discharge side

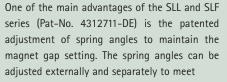




Series SLL and SLF

The RNA linear feeders series SLL and SLF are renowned for the following three characteristics.

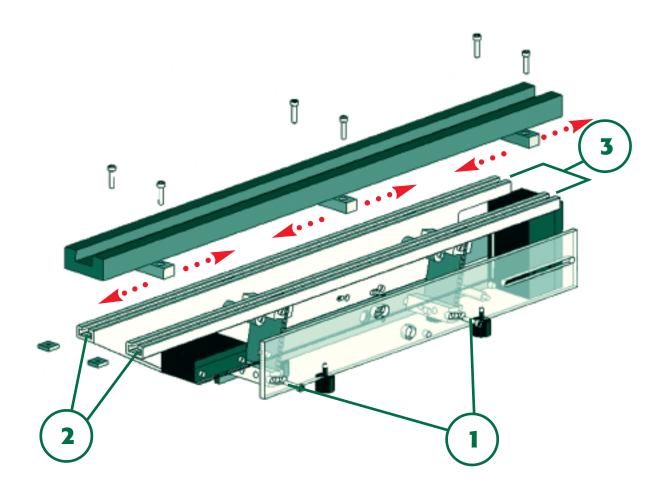
- **1.** A Patented adjustment of the spring angle without altering the gap setting.
- **2.** Flexible fastening of tooling into a continuous channel.
- 3. Inter-changeable vibrating profiles.



special requirements e.g. a higher projection angle for slightly oily components or a low angle for thin parts. The vibrating profile is designed to allow fixing at any position by way of a continuous channel and is also interchangeable for different mounting widths.

RNA



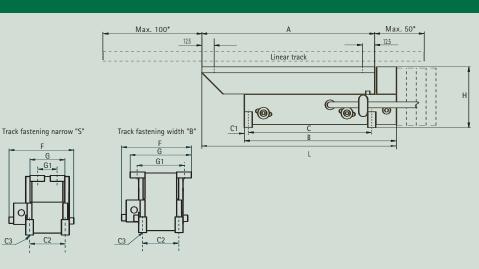




SLL 175

A renown series SLL with an "offspring" for short tracks (from 175-400 mm). The linear feeder type SLL 175 has 2 main features:

- 1. patented adjustable spring angle while retaining the magnet gap
- 2. interchangeable vibrating profiles



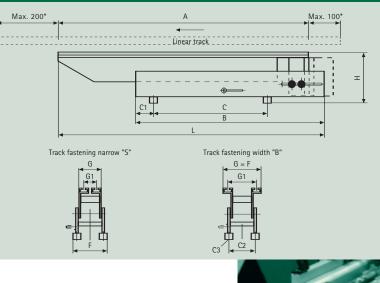


Туре	SLL 175-175	SLL 175-250
A = Vibrator top length	175 (3x50/M4)	250 (3x75/M4)
\mathbf{B} = Length of counter mass	168	218
C = Fixing measure	125	175
C1 =	4	4
C2 =	67	67
C3 =	M4 / 4 deep	M4 / 4 deep
F = Total width ("s"/"b")	82	82
G = Vibrator top width ("s"/"b")	36/62	36/62
G1= Mounting dimension ("s"/"b")	20/48	20/48
H = Total height	63	63
L = Total length	211	286
Weight of the linear feeder	1,2 kg	1,4 kg
Max. load of the linear track		
(Including work-pieces)	1,3 kg	1,5 kg
Max. track length	325	400
Current consumption	70 mA	70 mA
Protection class	IP 54	IP 54
Vibrating frequency	100 Hz	100 Hz
Connection cable length	1.800	1.800

For adjustment additional spring assemblies are enclosed







SLL 400



In addition to the advantages of the adjustable spring angles, the flexible fastening (see page 10) and the inter-changeable tracks (see page 15) the series SLL 400 and SLL 800 feature an increased track length which ranges from 400 -3000 mm. Extra spring packs and / or magnets are also available for special applications.

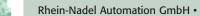


Туре	SLL 400-400	SLL 400-600	SLL 400-800	SLL 400-1000
A = Vibrator top length	400	600	800	1000
\mathbf{B} = Length of counter mass	300	440	640	790
C = Fastening measure	200	300	450	500
C1 =	10	50	100	200
C2 =	60	60	60	60
C3 =	M4 / 4 deep	M4 / 4 deep	M4 / 4 deep	M4
F = Total width ("s"/"b")	75/84	75/84	75/84	75/84
G = Vibrator top width ("s"/"b")	66/84	66/84	66/84	66/84
G1= Alternate fixing position	30/64	30/64	30/64	30/64
H = Total height	103	103	103	103
L = Total length	430	630	830	1030
Weight of the linear feeder drive unit	6,5 kg	8 kg	10 kg	12,5 kg
Max. load of the linear track				
(Including Components)	5 kg	6 kg	7 kg	8 kg
Max. track length	700	900	1.100	1.300
Current input	0,55 (A)	0,55 (A)	0,55 (A)	0,55 (A)
Protection class	IP 54	IP 54	IP 54	IP 54
Vibrating frequency	100 Hz	100 Hz	100 Hz	100 Hz
Connection cable (to control box)	1.400	1.400	1.400	1.400
Suitable stand type				
(see page 18)	UTL 2	UTL 2	UTL 2	UTL 2

For adjustment additional spring assemblies are enclosed

For track mounting every 100 mm two sliding blocks M5 are made available

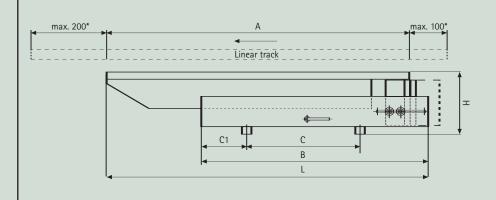
The difference between track length and vibrator top length should be mounted to a ratio of: 1/3 infeed side 2/3 discharge side Voltage 200V/50 Hz. Available with special voltages 110V/220V and frequencies 50Hz/60Hz



SLL 800 and SLL 804

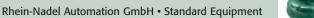
The SLL 800 and 804 have the same characteristics as the SLL series mentioned on page 10. The advantages of the SLL 400 series (see page 11), are same for the SLL 800. However, higher track weights can be achieved by using a heavier counter mass and higher performance magnets.

The SLL 800 is available with vibration free mounting for use in special applications.



	L 800-800	SLL 800-1000	SLL 800-1200	
		522 000 1000	3LL 800-1200	SLL 800-1400
SL	L 804-800	SLL 804-1000	SLL 804-1200	SLL 804-1400
A = Vibrator top length	800	1000	1200	1400
B = Length of counter mass	600	752	904	1056
C = Fastening measure	300	450	600	750
C1 =	120	122	124	126
C2 =	83	83	83	83
	87	87	87	87
C3 = //	/16/8 deep	M6/8 deep	M6/8 deep	M6/8 deep
	M8	M8	M8	M8
$\mathbf{F} = Total width$	120	120	120	120
	127	127	127	127
G = Vibrator top width ("s"/"b")	70/120	70/120	70/120	70/120
G1 = Alternate fixing position	40/90	40/90	40/90	40/90
H = Total height	162	162	162	162
	172	172	172	172
L = Total length	850	1050	1250	1450
Weight of the linear feeder	18,5 kg	20,5 kg	23 kg	24 kg
drive unit	21,5 kg	24,5 kg	27,5 kg	29,5 kg
Max. load of the linear track	ca. 11 kg	ca. 13 kg	ca. 15 kg	ca. 17 kg
(including Components)	ca. 21 kg	ca. 25 kg	ca. 28 kg	ca. 32 kg
Max. track length	1.100	1.300	1.500	1.700
Current input	1,25 (A)	1,25 (A)	1,25 (A)	1,25 (A)
Protection class	IP 54	IP 54	IP 54	IP 54
Vibrating frequency	50 Hz	50 Hz	50 Hz	50 Hz
Connection cable (to control box)	1.750	1.750	1.750	1.750
Suitable stand type				
(see page 18)	UTL2	UTL2	UTL2	UTL2

Difference between track length and vibrator top length should be mounted to a ratio of: 1/3 infeed side 2/3 discharge side Voltage 200V/50 Hz. Available with special voltages 110V/220V and frequencies 50Hz/60Hz



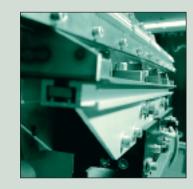


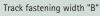


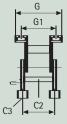


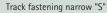


SLL 800 and SLL 804











SLL 800-1600	SLL 800-1800	SLL 800-2000		
SLL 804-1600	SLL 804-1800	SLL 804-2000	SLL 804-2400	SLL 804-2800
1600	1800	2000	2400	2800
1210	1360	1550	1950	2350
900	1050	1200	1500	1900
120				
130	130	170	270	270
83	83	83		
87	87	87	87	87
M6/8 deep	M6/8 deep	M6/8 deep		
M8	M8	M8	M8	M8
120	120	120		
127	127	127	127	127
70/120	70/120	70/120	70/120	70/120
40/90	40/90	40/90	40/90	40/90
162	162	162		
172	172	172	172	172
1650	1850	2050	2450	2850
31,5 kg	34 kg	39,5 kg		
39,5 kg	43 kg	49,5 kg	63 kg	76 kg
ca. 19 kg	ca. 21 kg	ca. 23 kg		
ca. 36 kg	ca. 40 kg	ca. 44 kg	ca. 51 kg	ca. 62 kg
1.900	2.100	2.300	2.700	3.000
1,25 (A)	1,25 (A)	1,25 (A)		
2,5 (A)				
IP 54				
50 Hz				
1.750	1.750	1.750	1.750	1.750
UTL2	UTL2	UTL2	UTL2	UTL2

For adjustment additional spring assemblies are enclosed For track mounting every 100 mm two sliding blocks M6 are made available



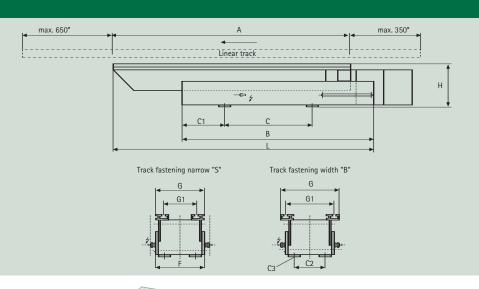


Rhein-Nadel Automation GmbH • Standard Equipment

•For adjustment additional spring assemblies are enclosed •For track mounting every 100 mm two sliding blocks M6 are made available

Series SLF 1000

RNA linear feeders, series SLF 1000 are suitable for track weights up to 50 kg. When using these drive units for bulk hoppers, load weights up to 200 kg are possible. The high magnet performance of the SLF 1000 -1500 is especially suitable for these hopper applications. (e.g. multi-track feeding).



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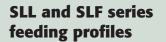
Туре	SLF 1000-1000	SLF 1000-1500
A = Vibrator top length	1000	1500
\mathbf{B} = Length of counter mass	800	1300
C = Fastening measure	370	870
C1 =	170	170
C2 =	130	130
C3 =	M10/10 deep	M10/10 deep
F = Total width	208	208
G = Vibrator top width ("s"/"b")	204/244	204/244
G1= Alternate fixing position	140/204	140/204
H = Total height	178	178
L = Total length	1100	1600
Weight of the linear feeder drive unit	62 kg	80 kg
Max. load of the linear track		
(Including Components)	ca. 40 kg	ca. 70 kg
Max track length	2000	2500
Current input	2,5 (A)	5 (A)
Protection class	IP 54	IP 54
Vibrating frequency	50 Hz	50 Hz
Connection cable (to control box)	1.750	1.750
Suitable stand type		
(see page 18)	UTL 2	UTL 2



For adjustment additional spring assemblies are enclosed

For track mounting every 200 mm two sliding blocks M8 are made available Difference between track length and vibrator top length should be mounted to a ratio of: 1/3 infeed side 2/3 discharge side

Voltage 200V/50 Hz. Available with special voltages 110V/220V and frequencies 50Hz/60Hz



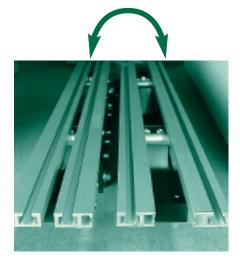


The adjustable vibrating profile of the SLL and SLF series allows either a narrow or wide feed on the linear track.

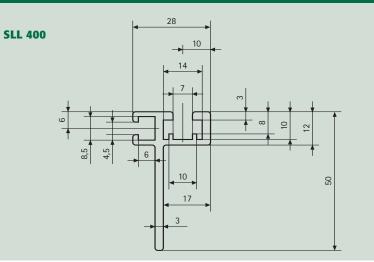
The continuous channel on the vibrating profile allows the track to be fastened wherever required. This flexibility allows the linear to be easily tuned for smooth and continuous feeding. (see page 10)



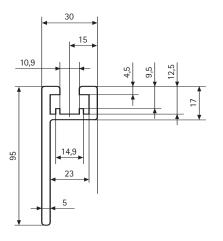
Picture: changeable vibrating profiles

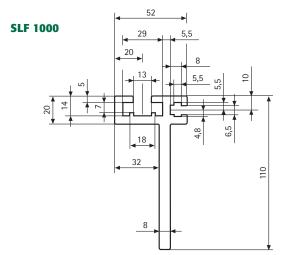












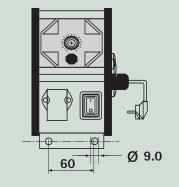


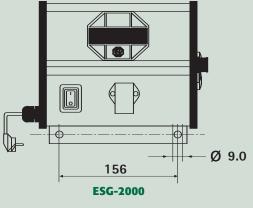




Control boxes

RNA offers a comprehensive range of controllers for our vibratory drive units. Products range from low-cost equipment up to self-calibrating high tech equipment with microprocessor control. The range includes controllers, which are capable of remote control via a machine PLC. The control boxes are available with CE as well as CSA/UL certificates.





ESK-2000 • ESK-2001



ESG 1000

Туре	ESG 1000	ESG-2000	ESK-2000	ESK-2001	
Mains voltage	230 V AC, 50/60 Hz,	230 V AC, 50/60 Hz,	230 V AC, 50/60 Hz,	230 V AC, 50/60 Hz,	
	+20 %/-15 %	+20 %/-15 %	+20 %/-15 %	+20/-15 %	
	110 V AC, 50/60 Hz,	110 V AC, 50/60 Hz,	110 V AC, 50/60 Hz,	110 V AC, 50/60 Hz,	
	+10 %/-10 %	+10 %/-10 %	+10 %/-10 %	+10/-10 %	
Output voltage	0 208 V _{eff} / 230 V AC	0 208 V _{eff} / 230 V AC,	0 208 V _{eff} / 230 V AC,	0 208 V _{eff} / 230 V AC,	
	20 105 Veff / 110 V AC	0 98 V _{eff} / 110 V AC	0 98 V _{eff} / 110 V AC	0 98 V _{eff} / 110 V AC	
Operating mode	Phase shift	Phase shift	Phase shift	Phase shift	
Load current max. channel 1+2	-	-	-	10 A _{eff} / 4 A _{eff}	
Load current max.	6 A _{eff}	10 A _{eff}	10 A _{eff}	10 A _{eff}	
Load current min.	80 mA	80 mA	80 mA	80 mA	
Internal fuse	Fine-wire fuse 5x20, 6,3 A slow	F 1 = 10 A	F 1 = 10 A	F 1 = 10 A / F 2 = 4 A	
Soft start/stop time	soft start adjustable + switched off	0 5 sec. may be selected separately	0 5 sec. may be selected separately	0 5 sec. may be selected separately	
Theoretical value external	-	-	0 10 V DC	0 10 V DC	
Sensor inputs	-	-	2	2	
Release input	Contact or 24 V DC	24 V DC (10-24 V DC)	24 V DC (10-24 V DC)	24 V DC (10-24 V DC)	
Sensor supply	-	-	24 V DC, max. 60 mA (Per sensor input)	24 V DC, max. 60 mA (Per sensor input)	
Sensor delay AN	-	-	0 60 sec.	0 60 sec.	
Sensor delay AB	-	-	0 60 sec.	0 60 sec.	
Outputs	-	2 Optocoupler	2 Relay / 2 Optocoupler	2 Relay / 2 Optocoupler	
Status output (optocoupler)	-	max. 30 V DC 10 mA	max. 30 V DC 10 mA	max. 30 V DC 10 mA	
Relay contacts	-	-	max. 6 A 250 V AC	max. 6 A 250 V AC	
Operating temperature	0 50 °C	0 50 °C	0 50 °C	0 50 °C	
Protective system	IP 54	IP 54	IP 54	IP 54	
Dimensions W x H x D	80 x 190 x 140	192 x 180 x 132	192 x 180 x 132	192 x 180 x 132	

Control boxes



Main application:

- ESG 1000: single application linear feeder only
- ESK-2001: linear feeder in combination with a bowl feeder and track control.



Further details: see table below

Module Technology, Panel Mounting

ESR 2000	ESR 25/5A*	ESR 28/8A	ESM 906	ESM 910	EGM 92
230 V AC, 50/60 Hz,	230 V AC 50/60 Hz	230 V AC 50/60 Hz	230 V AC, 50/60 Hz	230 V AC, 50/60 Hz	230 V AC, 50/60 Hz
Upgradable to	Upgradable to	Upgradable to	+6 % / -10 %	+6 % / -10 %	- +10 %
110 V AC 50/60 Hz	110 V AC 50/60 Hz	110 V AC 50/60 Hz	110 V AC, 50/60 Hz	110 V AC, 50/60 Hz	on request
			+6 % / -10 %	+6 % / -10 %	
0 208 V _{eff} / 230 V AC	0 210 V _{eff} / 230 V AC	0 210 V _{eff} / 230 V AC	0 220 V _{eff} / 230 V AC	0 220 V _{eff} / 230 V AC	-
20 105 Veff / 110 V AC	20 105 Veff/ 110 V AC	20 105 Veff/ 110 V AC	0 105 V _{eff} / 110 V AC	0 105 V _{eff} / 110 V AC	-
Frequency reversal PWM	Frequency reversal PWM	Frequency reversal PWM	Phase shift	Phase shift	-
-	-	-	-	-	-
6 A _{eff}	5.5 A _{eff}	8.5 A _{eff}	6 A _{eff}	10 A _{eff}	-
80 mA	60 mA	60 mA	-	-	-
F 1 = 10 A	Mains fuse: 5x20 mm, 4	A Delay action, 12 13 72	-	-	-
0 5 sec. may be selected separatelyStart: 0.05 - 10 sec. / Stop: 0.005 - 10 sec.		Soft start permanently established		-	
0 10 V DC	-	-	0 10 V or Poti 10 / k Ω		-
2	1	1	-	-	-
24 V DC (10-24 V DC) Ca	an be supplemented with additional	l print –	potential-free contact / 1	2 24 V DC, Ri 10 k Ω	-
per 24 V DEC, max. 60 mA	per 24 V DEC, max. 60 mA	per 24 V DEC, max. 60 mA	0 – 20 mA / 0 10 V	or Poti 10 / k Ω	24 V / 100 mA
0 60 sec.	Sensor signal delay: (0,000 up to 10 sec.	-	-	0 60 sec.
0 60 sec.	Sensor signal delay: (0,000 up to 10 sec.	-	-	0 60 sec.
2 Relay / 2 Optocoupler	-	-	2/0 PTO Coupler	– Relay	contact 2 x potential-free replaceable contact
max. 30 V DC 10 mA	24 V, 50 mA	24 V, 50 mA	30 V 0.1 A DC	30 V 0.1 A DC	_
max. 6 A 250 V AC	-	-	-	-	max. 6 A 250 V AC
0 50 °C	0 40 °C	0 40 °C	0 45 °C	0 45 °C	0 50 °C
IP 54	IP 54	IP 54	IP 20	IP 20	IP 30
192 x 180 x 132	140 x 220 x 160	140 x 220 x 160	104 x 177 x 112	150 x 74 x 109	55 x 75 x 110

 * Also available with reduced output currents 0.6 A and 1.8 A, for adaptation to small vibratory drives.









Stands for RNA linear feeders

UTL stands allow easy assembly of RNA linear feeders to a base plate.

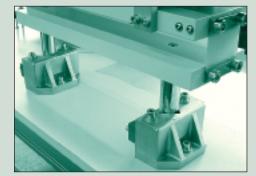
18

- They consist of:
- Pedestal stand
- Column
- Top plate

These units are modified to suit the linear feeders and supplied with drill holes and threads for easy assembly.



UTL 1



UTL 2

Stand UTL 1

The stand UTL 1 is suitable for the assembly of SLK-05 and GL -01 linear feeders. The column length is 300 mm and can be altered as required.

Height adjustment is by means of a set-screw.

Adjustment on the pedestal stand is +15 mm.

When you order please advise the linear feeder type.

Stand UTL 2

The stand UTL 1 is suitable for the assembly of GL-1, SLK-N6, SLL and SLF linear feeders. The column length is 300 mm and can be altered as required The height adjustment of the linear feeder takes place with a combination of a clamping plate and adjustment screw in the column. Adjustment on the pedestal stand is +10 mm. By taking off the clamping plate, the linear feeder can be moved to the side. A full lift out is not necessary. When you order please advise the linear feeder type.

Wider setting for added stability UTL 3

For linears with a wide profile e.g. several lane tracks the wider setting of the UTL 3 offers greater stability.



UTL 1: height adjustment pedestal stand



UTL 2: height adjustment pedestal stand



UTL 3: Wider setting for more stability











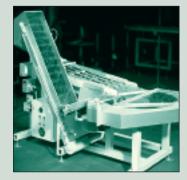
High performance feeding - ZE 3000

2000 spray buttons per minute

This special application was achieved with a ZE 3000, a highly engineered technical solution. At the heart of this equipment is a linear feeder, which feeds the spray buttons along five linear tracks. The linear feeder transfers the components in the right orientation to a rapidly rotating centrifugal disc. The components are then sorted in a single lane one behind the other. The whole feeding process is unassisted, without the addition of air pressure.

special application





Example of application



Special edition

Vibration free mounting to linear feeder type SLL 800

The linear feeder type SLL 800 is available in special editions with a vibration free mounting. With a vibration free mounting the linear is not supported by shock absorbers.

This model is suitable for a diverse range of components. It offers the following advantages:

- Rigid mounting.
- Vibration connection to the stand and machine are avoided.
- Provides a solid transition on the track infeed and discharge. (especially suitable for components with difficult features)

