1 System configuration

Use following table to configurate your personal system:

1. # of lifting elements: How many lifting elements do you need for your application?
(1 – 8)

2. Stroke length: How much stroke length do you need?
(max. 300 or max. 400 mm) *(max. 12" or max. 16")*

3. Max. system load: How much weight do you need to lift?
(150 / 300 / 450 / 600 / … kg) *(330 / 660 / 990 / 1'320 / … lbs)*

NOTE
- Weight of table plate/frame must be included into calculation
- Avoid uneven load distribution
- No high impact loads allowed
- Consider max. allowed side forces and bending moments

4. Lifting element type: The table shows the correct type of lifting element, fitting your configuration.
   - For more information please check the data sheets and drawings

5. Control box type: The table shows the correct type of control box, fitting your configuration.
   - For more information please check the instruction manual

6. Lifting speed: The table shows the lifting speed of the system. All lifting elements drive synchronously.

7. ED On/Off: When operating the system with max. load, the spindle nut and the control box will suffer from high heat exposure. For the components to be able to cool down, it is important to take enough operating breaks.
Duty cycle monitoring:
After a specific operating time «On», the control box will automatically pause «Off» for a while, before allowing the user to continue with operating.
(Cable remote control with display will show «HOT»).

2 System combinations

# Lifting elements	Max. system load [kg] *(lbs)*	Stroke length [mm] *(in)*	Lifting element Type	Control box type 230 V	Control box type 110 V	Lifting speed	Duty cycle [On/Off]
1	150 *(330)*	300 *(12")*	① 1330	SCT2 iSMPS (V1801)	SCT4 iSMPS (V3801)	9 mm/s *(0.35"/s)*	2/18 min
		400 *(16")*	① 1340	SCT2 iSMPS (V1800)	SCT4 iSMPS (V3800)		
2	300 *(660)*	300 *(12")*	① 1330	SCT2 iSMPS (V1801)	SCT4 iSMPS (V3801)		
		400 *(16")*	① 1340	SCT2 iSMPS (V1800)	SCT4 iSMPS (V3800)		
3	450 *(990)*	300 *(12")*	① 1330	SCT4 iSMPS (V1801)	SCT4 iSMPS (V3801)		
		400 *(16")*	① 1340	SCT4 iSMPS (V1800)	SCT4 iSMPS (V3800)		
4	600 *(1'320)*	300 *(12")*	① 1330	SCT4 iSMPS (V1801)	SCT4 iSMPS (V3801)		
		400 *(16")*	① 1340	SCT4 iSMPS (V1800)	SCT4 iSMPS (V3800)		
5	650 *(1'430)*	300 *(12")*	① 1330	2x SCT4 iSMPS (V1801)	2x SCT4 iSMPS (V3801)		
		400 *(16")*	① 1340	2x SCT4 iSMPS (V1800)	2x SCT4 iSMPS (V3800)		
6	700 *(1'540)*	300 *(12")*	① 1330	2x SCT4 iSMPS (V1801)	2x SCT4 iSMPS (V3801)		
		400 *(16")*	① 1340	2x SCT4 iSMPS (V1800)	2x SCT4 iSMPS (V3800)		
7	750 *(1'650)*	300 *(12")*	① 1330	2x SCT4 iSMPS (V1801)	2x SCT4 iSMPS (V3801)		
		400 *(16")*	① 1340	2x SCT4 iSMPS (V1800)	2x SCT4 iSMPS (V3800)		
8	800 *(1'760)*	300 *(12")*	① 1330	2x SCT4 iSMPS (V1801)	2x SCT4 iSMPS (V3801)		
		400 *(16")*	① 1340	2x SCT4 iSMPS (V1800)	2x SCT4 iSMPS (V3800)		

① Linear unit SLA.3, Linear unit SLG.3, lifting column SE.3, lifting column SQ.3

Control box Type SCT iSMPS	Hand switch Up-Down	Hand switch Memory
 SCT4 iSMPS SCT2 iSMPS	 124.00280	 124.00281

3 Allowed loads

Lifting element type	Max. pressure load	Max. pulling load
① **13xx**	1'500 N *(337 lbf)*	1'500 N *(337 lbf)*

① Linear unit SLA.3, linear unit SLG.3, lifting column SE.3, lifting column SQ.3

Linear unit type	Max. allowed bending moments ①
Linear unit SLA.3	Mb stat. 150 Nm *(111 lbf·ft)* Mb dyn. 50 Nm *(37 lbf·ft)*
Linear unit SLG.3	Mb stat. 200 Nm *(148 lbf·ft)* Mb dyn. 80 Nm *(59 lbf·ft)*
Lifting column SE.3	MB stat. 300 Nm *(221 lbf·ft)* Mb dyn. 120 Nm *(89 lbf·ft)*
Lifting column SQ.3	Mb stat. 200 Nm *(148 lbf·ft)* Mb dyn. 80 Nm *(59 lbf·ft)*

① Mb stat. = static bending moment = max. allowed bending moment while standstill
Mb dyn. = dynamic bending moment = max. allowed bending moment during lifting movement

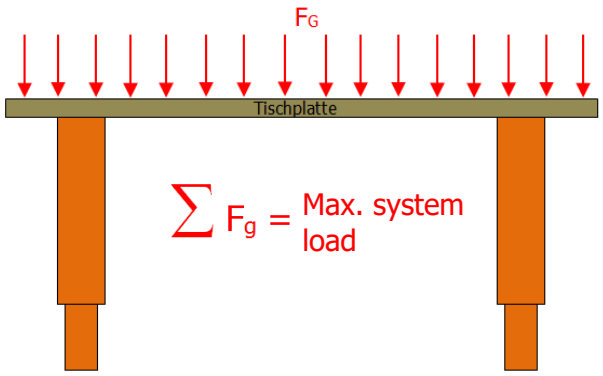
4 Table frame – allowed loads

Evenly distributed load

NOTE
One lifting element SLA/SLG/SE/SQ 13xx can lift max. **1'500N** ***(331lbs)***!

ATTENTION

High impact loads on an already heavily loaded system are not allowed! *



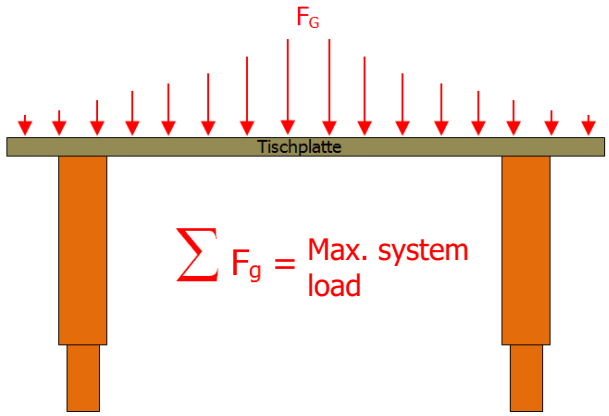
Centrically distributed load

NOTE
One lifting element SLA/SLG/SE/SQ 13xx can lift max. **1'500N** ***(331lbs)***!

NOTE
Consider max. allowed side forces and bending moments!

ATTENTION

High impact loads on an already heavily loaded system are not allowed! *

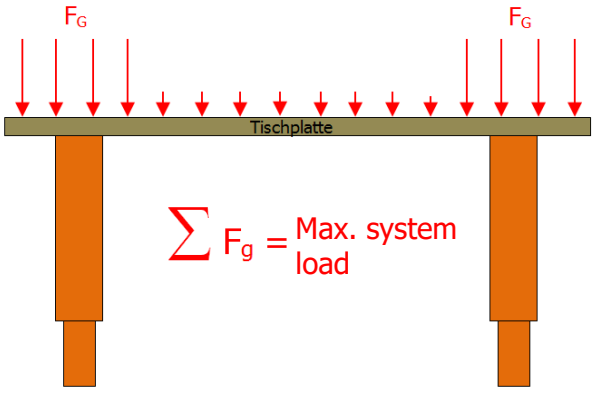


Load on linear units

NOTE
One lifting element SLA/SLG/SE/SQ 13xx can lift max. **1'500N** ***(331lbs)***!

ATTENTION

High impact loads on an already heavily loaded system are not allowed! *



* It is not allowed to place the max. load onto the table in a fast motion (crane or lift truck)!