

1 System configuration

Use following table to configurate your personal system:

1. # of lifting columns: How many lifting columns do you need for your application?
(1 – 3)
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?
(100 / 200 kg) (*220 / 440 lbs*)

NOTE



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

4. Lifting column type: The table shows the correct type of lifting column, 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 columns drive synchronously.
7. Duty cycle 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

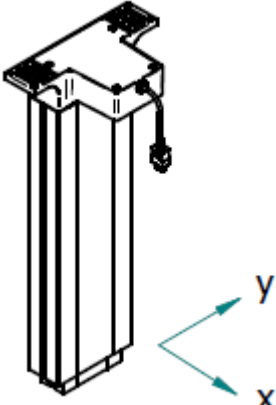
# Lifting elements	Max. system load [kg] (<i>lbs</i>)	Stroke length [mm] (<i>in</i>)	Lifting element Type	Control box compact-3		Lifting speed [mm/s] (<i>"/s</i>)	Duty cycle [On/Off]
				230 V	110 V		
1	100 (<i>220</i>)	300 (<i>12"</i>)	SF 1230	V1701	V1751	20 mm/s (<i>0.8"/s</i>)	2/40 min
		400 (<i>16"</i>)	SF 1240	V1700	V1750		
2	200 (<i>440</i>)	300 (<i>12"</i>)	SF 1230	V1701	V1751		
		400 (<i>16"</i>)	SF 1240	V1700	V1750		
3	200 (<i>440</i>)	300 (<i>12"</i>)	SF 1230	V1701	V1751		
		400 (<i>16"</i>)	SF 1240	V1700	V1750		

3 Control box compact-3


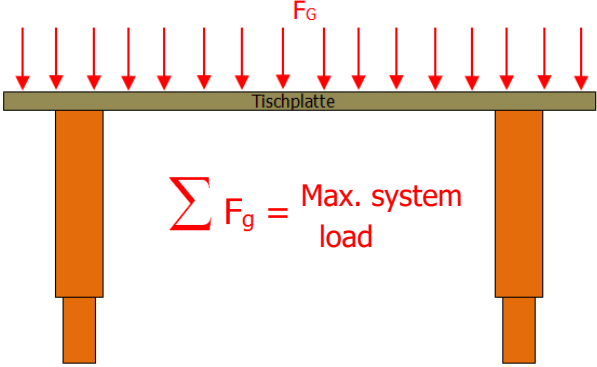


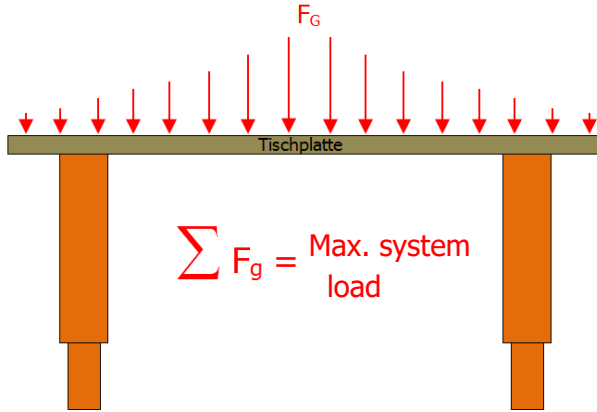



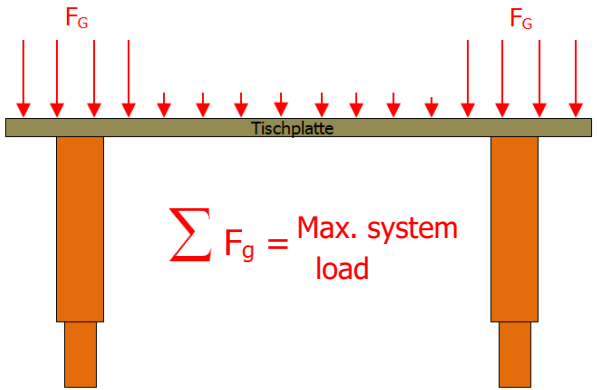

Control box Type Compact	Hand switch Up-Down	Hand switch Memory
 compact-3	 124.00059	 124.00223

4 Lifting column – allowed loads

Lifting column type	Max. pressure load	Max. pulling load
SF 12xx	1'000 N	stat. 500 N dyn. 50 N

Lifting column SF 12xx	
	<p>Mbx stat. 600 Nm (<i>442 ft lb</i>)</p> <p>Mby stat. 250 Nm (<i>184 ft lb</i>)</p> <p>Mbx dyn. 300 Nm (<i>221 ft lb</i>)</p> <p>Mby dyn. 100 Nm (<i>73 ft lb</i>)</p>

5 Table frame – allowed loads

Evenly distributed load	
<p> NOTE One lifting column SF 12xx can lift max. 1'000 N (220 lbs)!</p>	
<p>ATTENTION</p> <p> High impact loads on an already heavily loaded system are not allowed! *</p>	
Centrally distributed load	
<p> NOTE One lifting column SF 12xx can lift max. 1'000 N (220 lbs)!</p>	
<p> NOTE Consider max. allowed side forces and bending moments!</p>	
<p>ATTENTION</p> <p> High impact loads on an already heavily loaded system are not allowed! *</p>	
Load on lifting columns	
<p> NOTE One lifting column SF 12xx can lift max. 1'000 N (220 lbs)!</p>	
<p>ATTENTION</p> <p> High impact loads on an already heavily loaded system are not allowed! *</p>	

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