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 – 4)

2. Stroke length: How much stroke length do you need?
   (max. 420 mm) *(max. 16.5")*

3. Max. system load: How much weight do you need to lift?
   (150 / 300 / 400kg) *(330 / 660 / 880 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.

2 System combinations

# Lifting elements	Max. system load [kg] *(lbs)*	Stroke length [mm] *(in)*	Lifting element Type	Control box Type 100 – 240 V	Lifting speed [mm/s] *("/s)*	Duty cycle [On/Off]
1	**150** *(330)*	**420** *(16.5")*	① **1942**	**SCT2 MDT (V2300)**	**20 mm/s** *(0.8"/s)*	**2/18 min**
2	**300** *(660)*	**420** *(16.5")*	① **1942**	**SCT2 MDT (V2300)**		
3	**350** *(770)*	**420** *(16.5")*	① **1942**	**SCT4 MDT (V2300)**		
4	**400** *(880)*	**420** *(16.5")*	① **1942**	**SCT4 MDT (V2300)**		

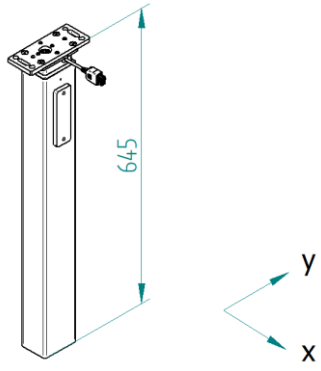
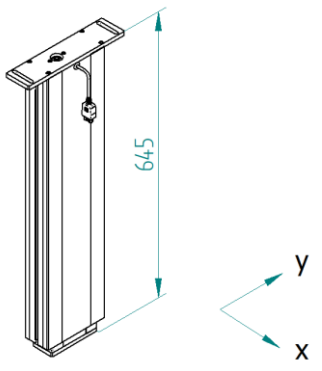
① Lifting column SA or SC
② Duty cycle 2/18; operating max. 2 min, pause 18 min

3 Control box and Hand switch

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

4 Lifting column – allowed loads

Lifting column type	Max. pressure load	Max. pulling load
① 1942	1'500 N *(337 lbf)*	stat. 500 N *(112 lbf)* dyn. 50 N *(11 lbf)*

Lifting column SA 1942		Lifting column SC 1942	
	Mbx stat. 600 Nm *(443 lbf·ft)* Mby stat. 300 Nm *(221 lbf·ft)* Mbx dyn. 300 Nm *(221 lbf·ft)* Mby dyn. 150 Nm *(111 lbf·ft)*		Mbx stat. 700 Nm *(516 lbf·ft)* Mby stat. 400 Nm *(296 lbf·ft)* Mbx dyn. 200 Nm *(148 lbf·ft)* Mby dyn. 150 Nm *(111 lbf·ft)*

① Lifting column SA or SC

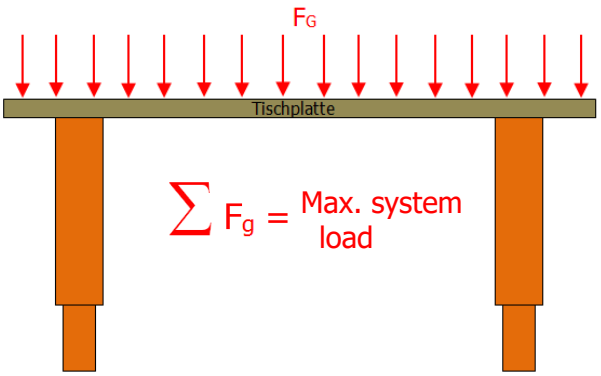
5 Table frame – allowed loads

Evenly distributed load

NOTE
One lifting column SA/SC 1942 can lift max. **1`500 N *(337 lbs)***!

ATTENTION

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



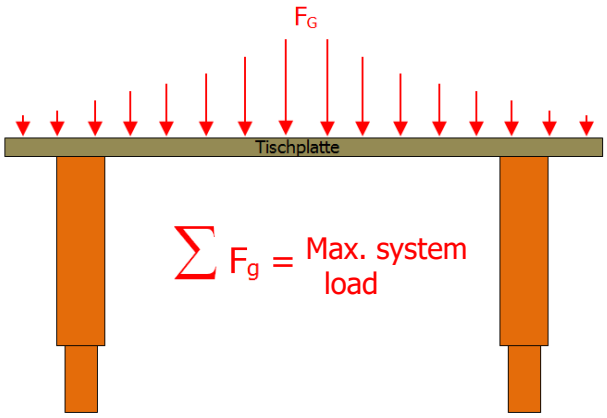
Centrically distributed load

NOTE
One lifting column SA/SC 1942 can lift max. **1`500 N *(337 lbs)***!

NOTE
Consider max. allowed side forces and bending moments!

ATTENTION

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

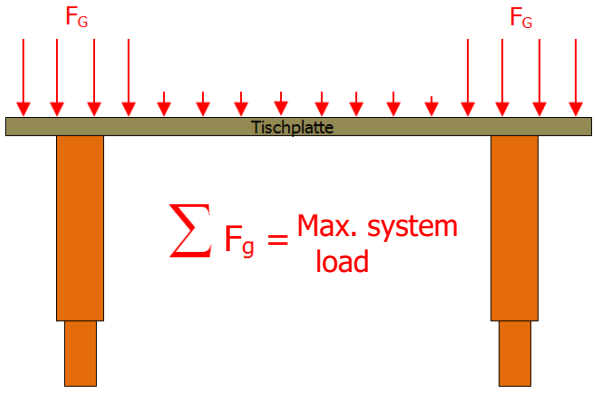


Load on lifting columns

NOTE
One lifting column SA/SC 1942 can lift max. **1`500 N *(337 lbs)***!

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)!