1 Guide for system selection

A lifting system can be configured by using the table (page 2) and the following steps:

1.	# Lifting elements:	How many lifting elements does the application require?
2.	Max. system load:	What is the maximum load that needs to be moved?
		NOTE - Take weight of table top and frame into account - Load distribution even – don't overload the leg - No shock loads allowed - Don't exceed max. allowed bending moments
3.	Stroke length:	What stroke length is required?

Selected configuration

a)	Lifting element type:	The following lifting element fits the selected configuration. - Observe drawings and data sheets!
b)	Control box type:	The following control box fits the selected configuration. - Observe operating manual!

Operating data

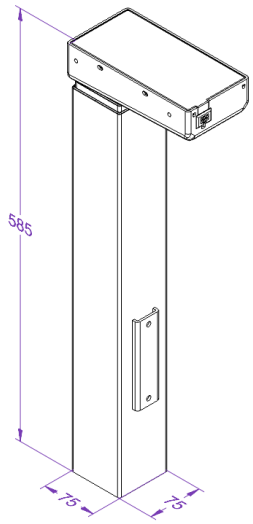
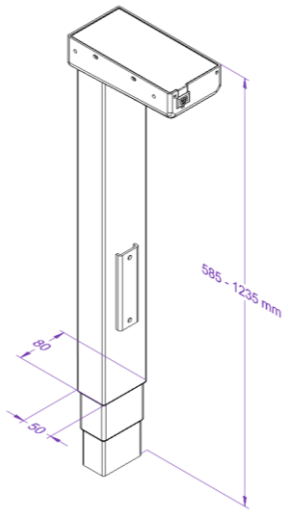
i.	Lifting speed:	The system moves at the following lifting speed.
ii.	Duty cycle On/Off:	The system can be operated with the following duty cycle. To protect the mechanical and electronic components, the control box automatically pauses «Off» after a certain «On» time. The hand switch shows «HOT» on the display.

2 System combinations table

# Lifting elements	Max. System load [kg] *(lbs)*	Stroke length [mm] *(in)*	Lifting element type	Control box type	Lifting speed [mm/s] *(in/s)*	Duty cycle ② [On/Off]
2	200 *(440)*	650 *(25.6")*	① 1665	E2 100-240V	20 *(0.8")*	4/18
4	400 *(880)*	650 *(25.6")*	① 1665	E4 100-240V		

① Lifting column type EA or EBI
② Duty cycle 4/18: Operating time max. 4 min, pause time 18 min

3 Lifting column EA EBI

EA 1665	EBI 1665	Max. pres-sure load	Max. tensile load	Max. bending moment
		1'000 N *(225 lbf)*	stat. 500 N *(112 lbf)* dyn. 50 N *(11 lbf)*	Mb stat. 400 Nm Mb dyn. 150 Nm

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

4 Control box and hand switch

Control box E2 100-240V	Control box E4 100-240V	Hand switch E-M1
		
124.00802	124.00804	124.00861