

# EWELLIX

A Schaeffler Company

## Lifting columns TLT



Very small built-in dimension



Powerful



Standards  
EN/IEC 60601-1  
UL 60601-1

# TLT

## Telemag lifting column

### Benefits

- Very small built-in dimension
- Powerful

### Standards

- EN/IEC 60601-1
- UL 60601-1

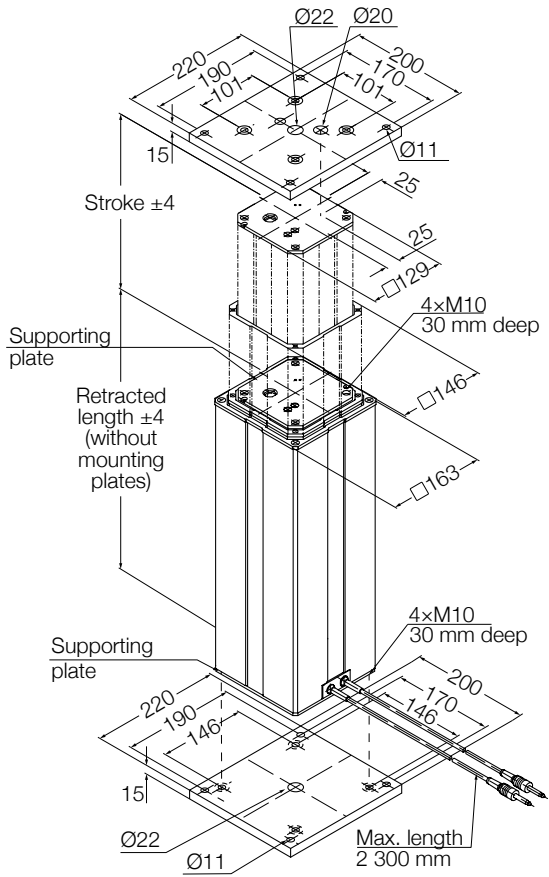


### Technical data

	Unit	TLT10-A1	TLT10-A2	TLT10-B1	TLT10-C1	TLT10-C2
Rated push load	N	3 000	4 000	2 000	1 000	2 000
Rated pull load	N	0	0	0	0	0
Bending load	Nm	up to 400 <sup>1)</sup>	up to 1 000 <sup>1)</sup>	up to 250 <sup>1)</sup>	up to 110 <sup>1)</sup>	up to 480 <sup>1)</sup>
Speed (full load to no load)	mm/s	11 to 16	13 to 19	13 to 19	25 to 36	25 to 42
Lifting column version	# of section	3-section	3-section	3-section	3-section	3-section
Stroke	mm	300 to 700	300 to 700	300 to 700	300 to 700	300 to 700
Retracted length	mm	0,5 × S+170	0,5 × S+240	0,5 × S+170	0,5 × S+170	0,5 × S+240
Voltage	V DC	24	24	24	24	24
Power	W	168	168	192	192	216
Current	A	2×3,5	2×3,5	2×4,5	2×4,5	2×4,5
Duty cycle: intermittent operation	min.	1 min./9 min	1 min./9 min	1 min./9 min	1 min./9 min	1 min./9 min
Ambient temperature	°C	+10 to +40	+10 to +40	+10 to +40	+10 to +40	+10 to +40
Degree of protection	IP	40	40	40	40	40
Protection class	–	SELV	SELV	SELV	SELV	SELV
Type of control	–	electrical	electrical	electrical	electrical	electrical
Weight	kg	15 to 30	15 to 30	15 to 30	15 to 30	15 to 30

<sup>1)</sup> For details, please see bending load diagrams (↳ page 4)

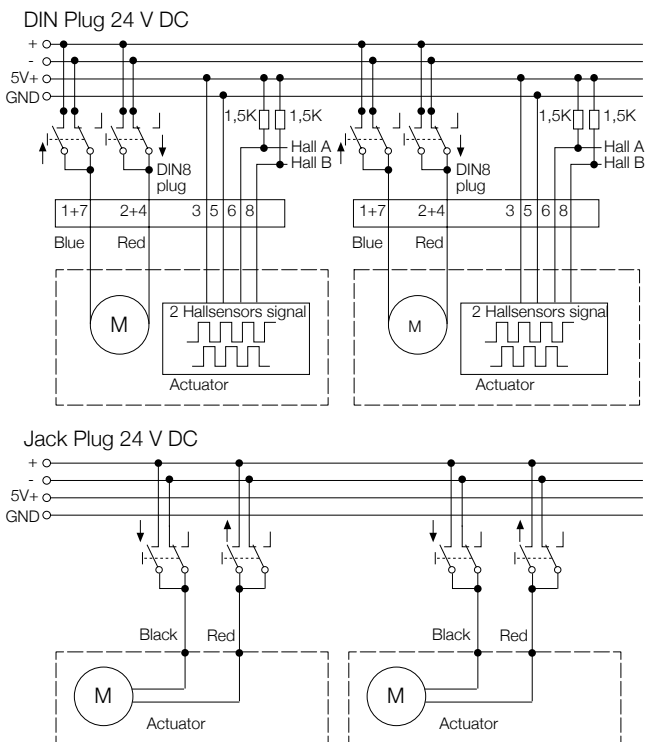
### Dimensional drawing



Note: mounting plates are not included. To be ordered separately.

**Legend:**  
 S = stroke  
 L = retracted length

### Connecting diagrams



### Suitable control units and accessories

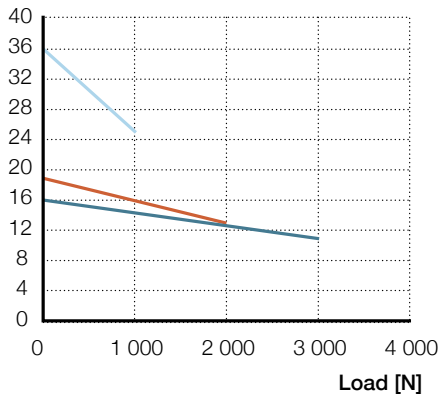
	Control units			
	SCU	VCU	BCU	MCU
<b>TLT</b>	•	•	•	•
<b>Operating switches</b>				
EHA 1				•
EHA 3	•	•	•	
STF				•
STJ	•	•	•	
STA				•
STE	•	•	•	

<sup>1)</sup> Only valid with TLG11. TLG10 must be operated by a BCU, MCU, SCU or VCU control unit.

### Performance diagrams

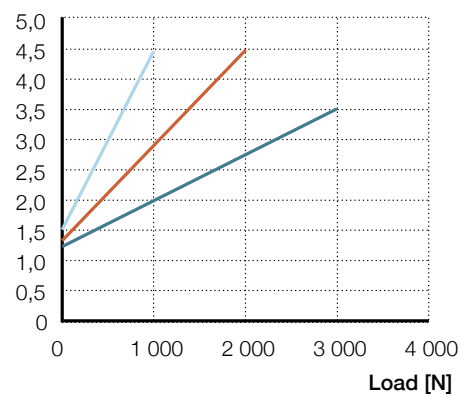
Speed-load diagram

Speed [mm/s]



Current-load diagram

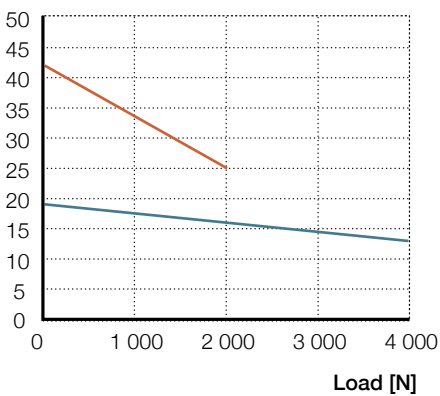
Current consumption [A]



— A1 — B1 — C1

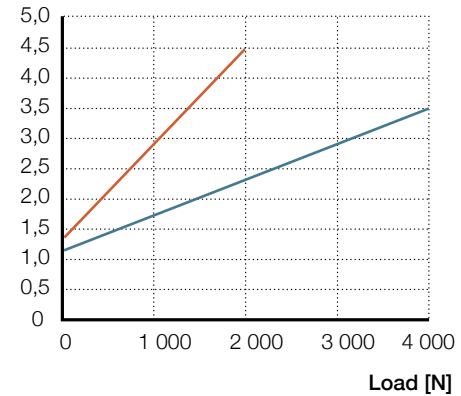
Speed-load diagram

Speed [mm/s]



Current-load diagram

Current consumption [A]

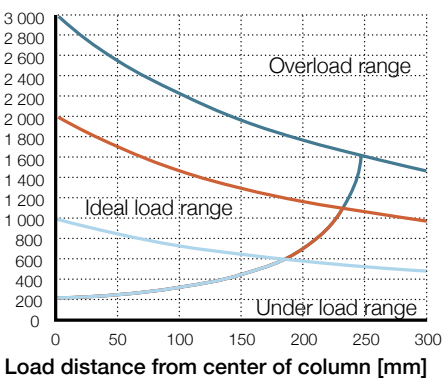


— A2 — C2

### Bending load diagrams

Bending load diagram A1, B1, C1

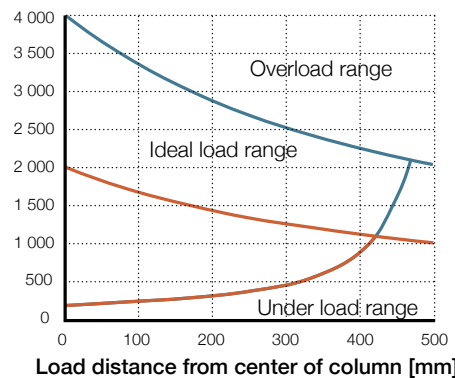
Load [N]



— TLT1 A-1 — TLT1 B-1 — TLT1 C-1

Bending load diagram A2, C2

Load [N]



— TLT1 A-2 — TLT1 C-2

## Accessories

	Designation	Order number
Top mounting plate	ZPL-290268	0125624
Bottom mounting plate	ZPL-290265	0125623
Screw (4/plate) for mounting plate	ZBE-510707	0125360

## Ordering key

T L T 1 - - - - - 0 0 0

### Type

### Voltage

0 24 V DC

1 24 V DC with integrated current cut-off (only for A2 and C2)

### Load / Speed

A2 4 000 N

A1 3 000 N

B1 2 000 N / 19 to 13 mm/s

C2 2 000 N / 42 to 25 mm/s

C1 1 000 N

### Stroke [S]

3 300 mm

4 400 mm

5 500 mm

6 600 mm <sup>1)</sup>

7 700 mm <sup>1)</sup>

### Cable / connecting plug

1 Straight, 1,0 m / jack plug

2 Straight, 2,3 m / jack plug

A Coiled, 0,6 m / jack plug

3 Straight, 1,0 m / DIN8 plug

4 Straight, 2,3 m / DIN8 plug

B Coiled, 0,6 m / DIN8 plug

### Option

0 No option

A 1-Hall encoder, 8 pulses, cable with jack plug

C Cable feedthrough, 3x1,5 mm<sup>2</sup>, top +160 mm, bottom +800 mm

D Cable feedthrough, 1-Hall encoder, 8 pulses, cable with jack plug

F 2-Hall encoder, cable with DIN8 plug

<sup>1)</sup> Reduced safety factor

■ Options shown in red are only available on demand. Contact Ewellix for more information on minimum quantities and additional cost.



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