

## Lifting columns TLG



High bending load



Powerful



Standards  
EN/IEC 60601-1  
UL 60601-1

# TLG

## Telemag lifting column



### Benefits

- High bending load
- Powerful

### Standards

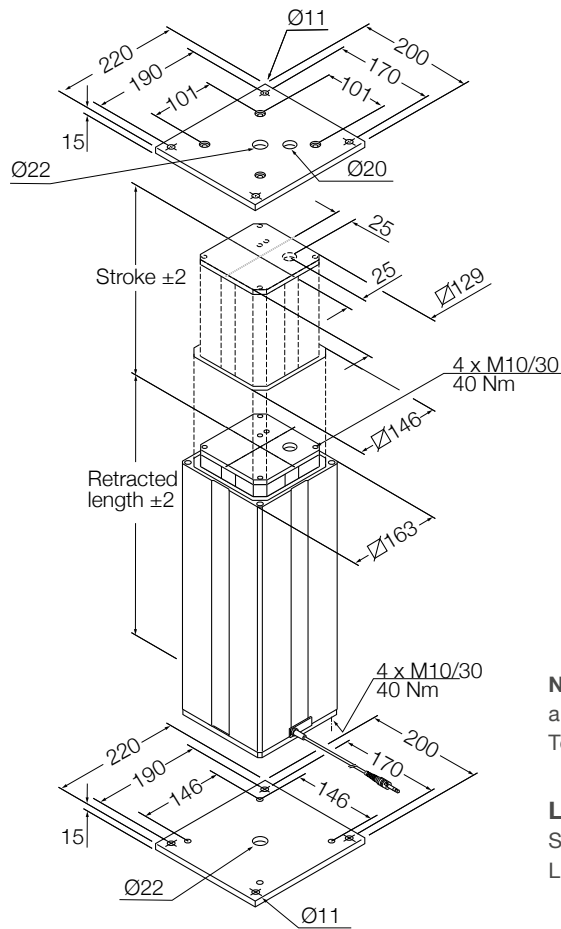
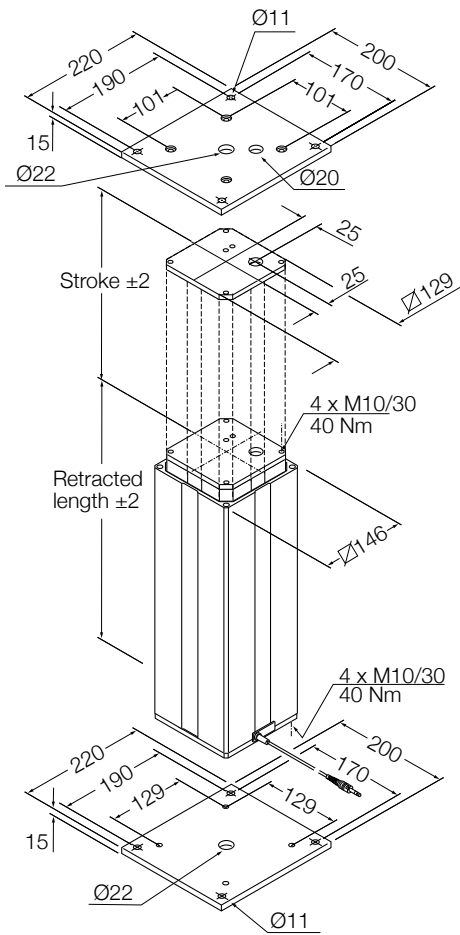
- EN/IEC 60601-1
- UL 60601-1

### Technical data

|                                    | Unit         | TLG 10/11-A               | TLG 10-B                  | TLG 10/11-C             |
|------------------------------------|--------------|---------------------------|---------------------------|-------------------------|
| Rated push load                    | N            | 4 000                     | 2 500                     | 1 500                   |
| Rated pull load                    | N            | 0                         | 0                         | 0                       |
| Bending load                       | Nm           | up to 2 800 <sup>1)</sup> | up to 1 750 <sup>1)</sup> | up to 950 <sup>1)</sup> |
| Speed (full load to no load)       | mm/s         | 10 to 14                  | 13 to 17                  | 25 to 33                |
| Lifting column version             | # of section | 2 or 3-section            | 2 or 3-section            | 2 or 3-section          |
| Stroke                             | mm           | 200 to 700                | 200 to 700                | 200 to 700              |
| Retracted length                   | mm           | S+180                     | S+180                     | S+180                   |
| Voltage                            | V DC         | 24                        | 24                        | 24                      |
| Power                              | W            | 156                       | 156                       | 156                     |
| Current                            | A            | 6                         | 6                         | 6                       |
| Duty cycle: intermittent operation | 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              |
| Degree of protection               | IP           | 30                        | 30                        | 30                      |
| Protection class                   | -            | SELV                      | SELV                      | SELV                    |
| Type of control                    | -            | electrical                | electrical                | electrical              |
| Weight                             | kg           | 15 to 30                  | 15 to 30                  | 15 to 30                |

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

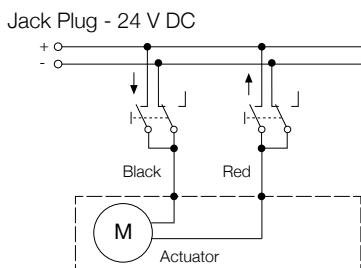
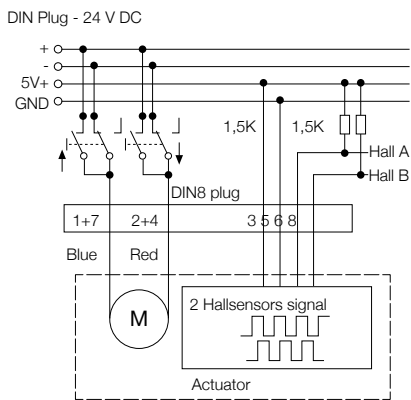
### Dimensional drawing



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

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

### Connecting diagrams



### Suitable control units and accessories

| TLG                | Control units |     |     |     |
|--------------------|---------------|-----|-----|-----|
|                    | SCU           | VCU | BCU | MCU |
| Operating switches |               |     |     |     |
| EHA 1              | •             | •   | •   | •   |
| EHA 3              | •             | •   | •   | •   |
| STF                | •             | •   | •   | •   |
| STJ                | •             | •   | •   | •   |
| STA                |               |     |     | •   |
| STE                | •             | •   | •   |     |

Hand switch    
 Foot switch    
 Desk switch

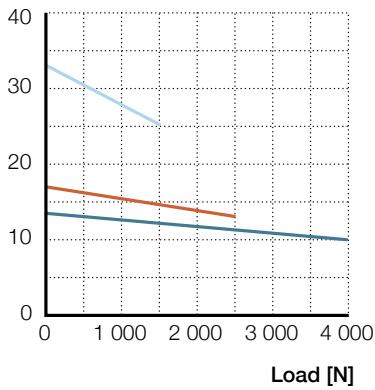
<sup>1)</sup> Only valid with TLG11. TLG10 must be operated by a BCU, MCU, SCU or VCU control unit.

Performance diagrams

Safety factor load conditions

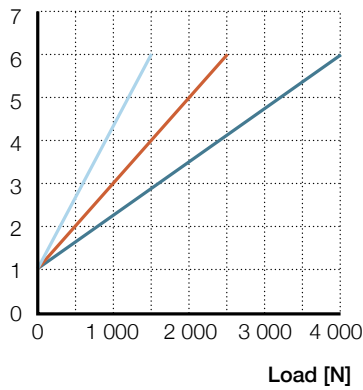
Speed-load diagram

Speed [mm/s]

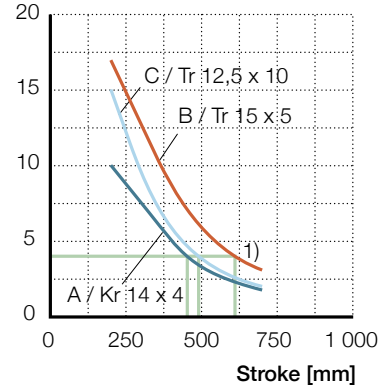


Current-load diagram

Current consumption [A]



Safety factor



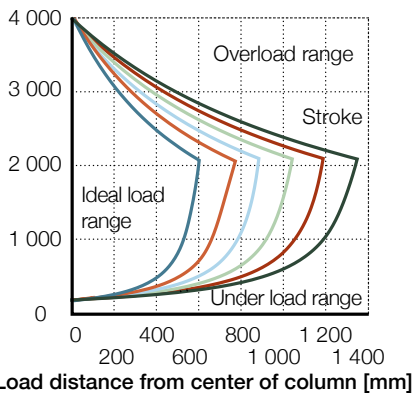
— A — B — C

1) Safety factor =4

Bending load diagrams

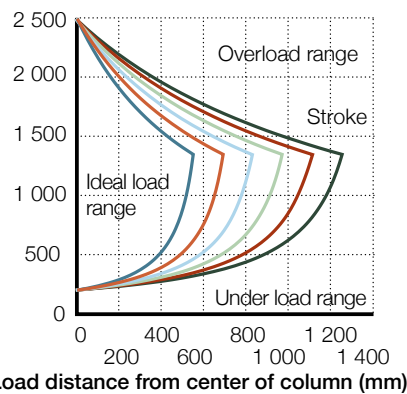
Bending load diagram TLG ...AD

Load [N]



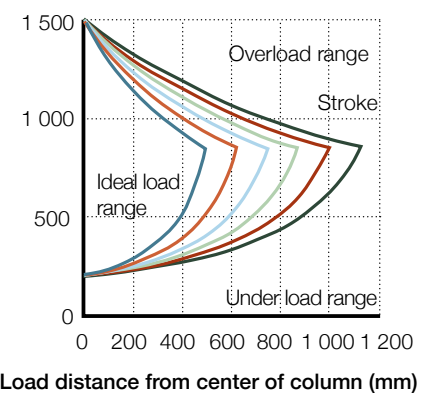
Bending load diagram TLG ...BD

Load [N]



Bending load diagram TLG ...CD

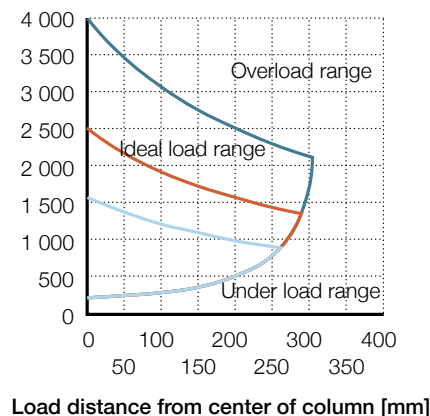
Load [N]



Stroke: — 200 — 300 — 400 — 500 — 600 — 700

Bending load diagram TLG...AA/BA/CA

Load [N]



— TLG1-AA  
— TLG1-BA  
— TLG1-CA

Load distance from center of column [mm]

## Accessories

|  | Designation | Order number |
|--|-------------|--------------|
| Top mounting plate for 2 × tube set    | ZPL-290268  | 0125624      |
| Bottom mounting plate for 2 × tube set | ZPL-290351  | 0125625      |
| Top mounting plate for 3 × tube set    | ZPL-290268  | 0125624      |
| Bottom mounting plate for 3 v tube set | ZPL-290265  | 0125623      |
| Screw (4/plate) for mounting plate     | ZBE-510707  | 0125360      |

## Ordering key



**Type** \_\_\_\_\_

**Voltage** \_\_\_\_\_

- 0 24 V DC
- 1 24 V DC with integrated current cut-off (only for 4 000 N and 1 500 N load version)

**Load** \_\_\_\_\_

- A 4 000 N
- B 2 500 N
- C 1 500 N

**Tube set** \_\_\_\_\_

- A Tube set 2×
- D Tube set 3×

**Stroke [S]** \_\_\_\_\_

- 2 200 mm
- 3 300 mm
- 4 400 mm
- 5 500 mm
- 6 600 mm
- 7 700 mm

**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
- B Potentiometer, 1 kΩ, 2 Watt, 0,25 % linearity, 10 turns
- C Cable feedthrough, 5 × 0,75 mm<sup>2</sup>, led out, top +160 mm, bottom +800 mm
- D Cable feedthrough, 1-Hall encoder, 8 pulses, cable with jack plug
- E Cable feedthrough, potentiometer
- F 2-Hall encoder, cable with DIN8 plug
- G Cable feedthrough, 2-Hall encoder, cable with DIN8 plug

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



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