

Telescopic pillar TLG



High bending load



Powerful



Standards
EN/IEC 60601-1
UL 60601-1

TLG

Telemag telescopic pillar



Benefits

- High bending load
- Powerful

Standards

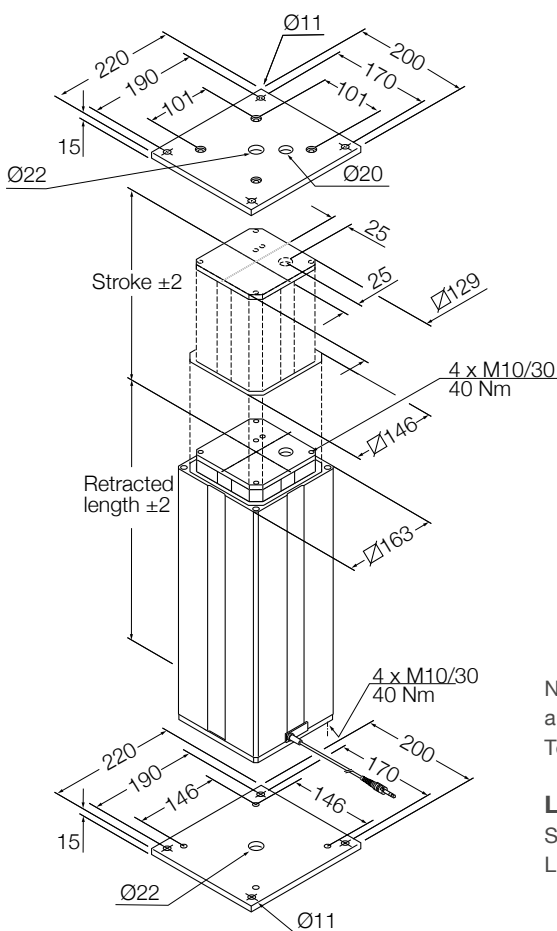
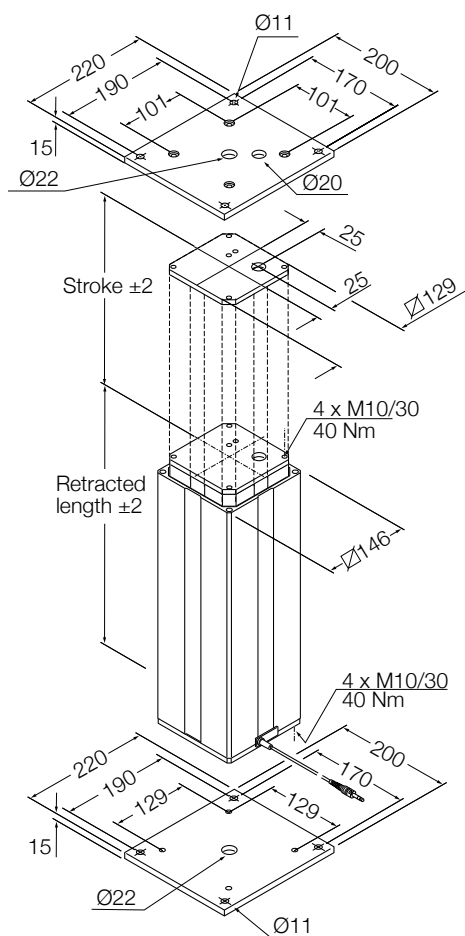
- EN/IEC 60601-1
- UL 60601-1

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 ¹⁾	up to 1 750 ¹⁾	up to 950 ¹⁾
Speed (full load to no load)	mm/s	10 to 14	13 to 17	25 to 33
Telescopic pillar 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
Type 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

¹⁾ For details, please see bending load diagrams (↳ page 4)

Dimensional drawing

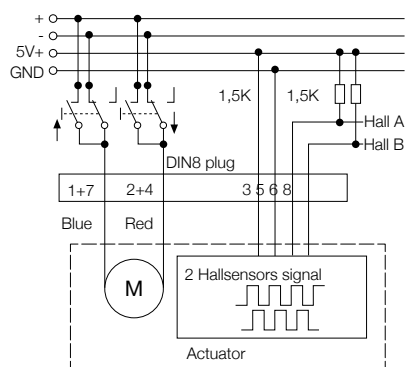


Note: mounting plates are not included. To be ordered separately.

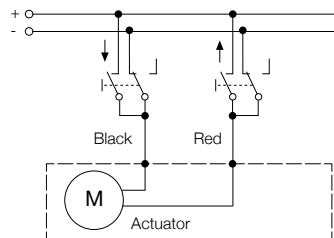
Legend:
S = stroke
L = retracted length

Connecting diagrams




















DIN Plug - 24 V DC



Jack Plug - 24 V DC



Suitable control units and accessories

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

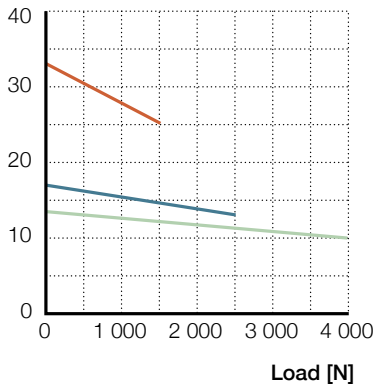
 Hand switch  Foot switch  Desk switch

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

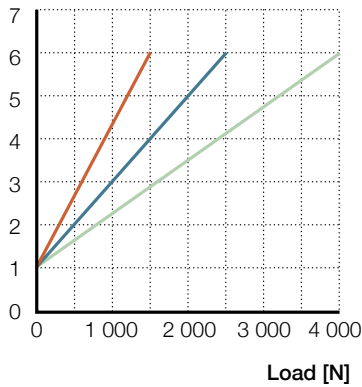
Performance diagrams

Safety factor load conditions

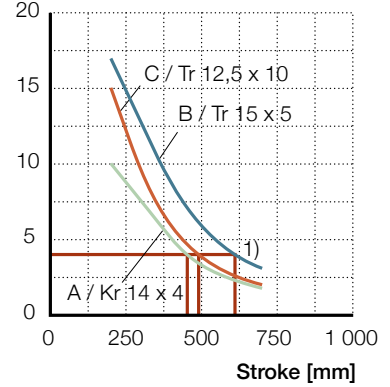
Speed-load diagram
Speed [mm/s]



Current-load diagram
Current consumption [A]



Safety factor

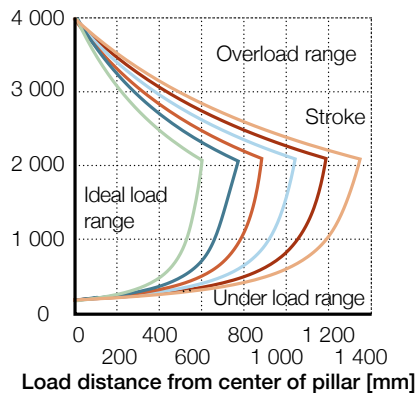


— A — B — C

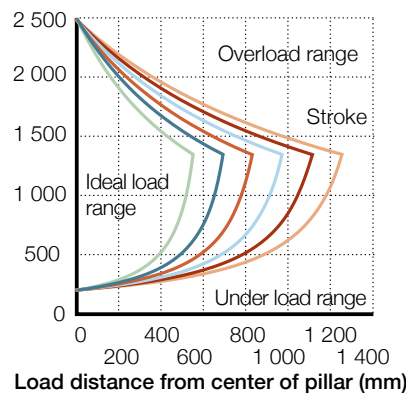
1) Safety factor =4

Bending load diagrams

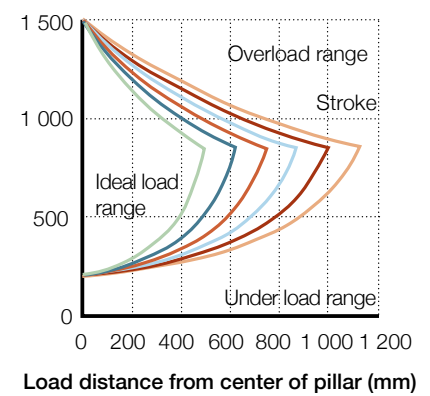
Bending load diagram TLG ...AD
Load [N]



Bending load diagram TLG ...BD
Load [N]



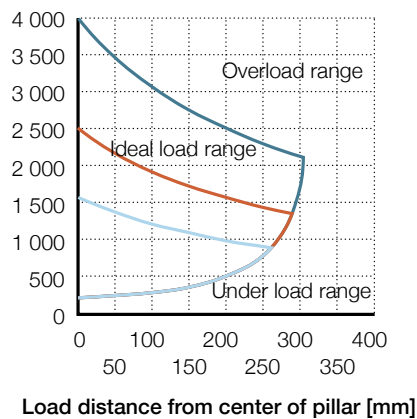
Bending load diagram TLG ...CD
Load [N]



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

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

Load [N]

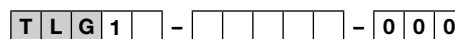


— TLG1-AA
— TLG1-BA
— TLG1-CA

Accessories

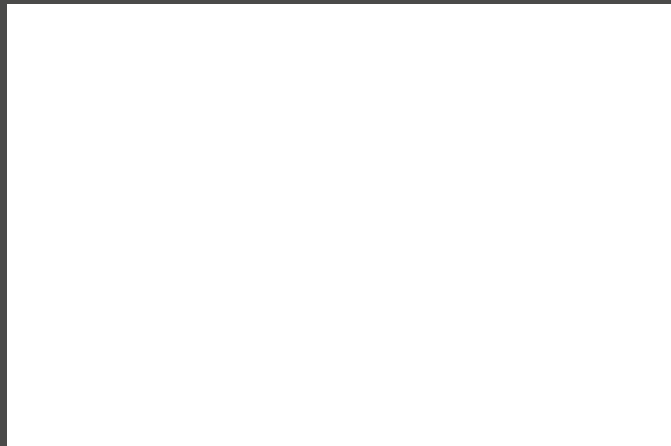
	Designation	Order number
Top mounting plate for 2 × tube set	ZPL-290268	0125624
Bottom mounting plate for 2 × tube set	ZPL-290351	0125625
Top mounting plate for 3 × tube set	ZPL-290268	0125624
Bottom mounting plate for 3 v tube set	ZPL-290265	0125623
Screw (4/plate) for mounting plate	ZBE-510707	0125360

Ordering key



Type		
Voltage		
24 V DC		0
24 V DC with integrated current cut-off (only for 4 000 N and 1 500 N load version)		1
Load		
4 000 N	A	
2 500 N	B	
1 500 N	C	
Tube set		
Tube set 2x	A	
Tube set 3x	D	
Stroke [S]		
200 mm		2
300 mm		3
400 mm		4
500 mm		5
600 mm		6
700 mm		7
Cable / connecting plug		
Straight, 1,0 m / jack plug		1
Straight, 2,3 m / jack plug		2
Coiled, 0,6 m / jack plug	A	
Straight, 1,0 m / DIN8 plug		3
Straight, 2,3 m / DIN8 plug		4
Coiled, 0,6 m / DIN8 plug	B	
Option		
No option		0
1-Hall encoder, 8 pulses, cable with jack plug	A	
Potentiometer, 1 kΩ, 2 Watt, 0,25% linearity, 10 turns	B	
Cable feedthrough, 5 × 0,75 mm ² , led out, top +160 mm, bottom +800 mm	C	
Cable feedthrough, 1-Hall encoder, 8 pulses, cable with jack plug	D	
Cable feedthrough, potentiometer	E	
2-Hall encoder, cable with DIN8 plug	F	
Cable feedthrough, 2-Hall encoder, cable with DIN8 plug	G	

Options written in yellow are only available on demand. Contact Ewellix for more information on minimum quantities and additional costs.



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