

Telescopic pillar

Telemag TGC

Benefits

- Push or pull load
- Compact design
- Quiet
- Robust
- Plug and play

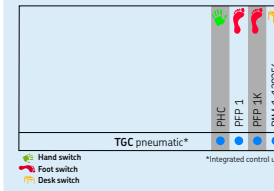
Standards

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

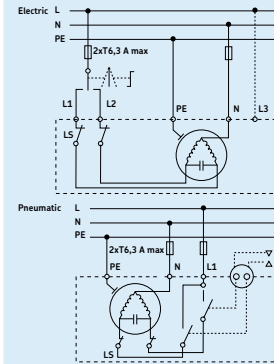


Telemag TGC

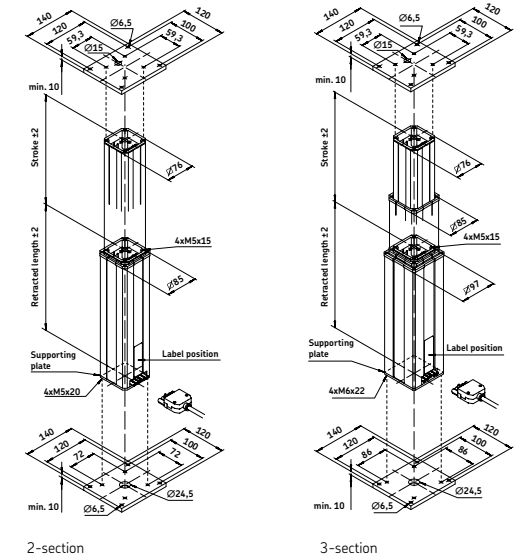
Suitable control units and accessories



Connecting diagrams



Dimensional drawing



Legend:
S = stroke
L = retracted length

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

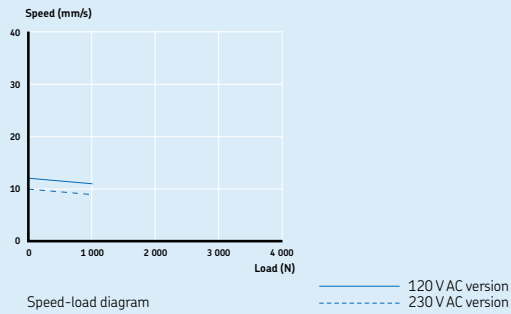
Technical data

	Unit	TGC 8AWAS	TGC 8AWAK	TGC 8AWDS	TGC 8AWDK
Rated push load	N	1 000	1 000	1 000	1 000
Rated pull load	N	1 000	1 000	1 000	1 000
Bending load	Nm	up to 130*	up to 130*	up to 450*	up to 450*
Speed (full load to no load)	120 V AC 230 V AC mm/s	11 to 12	11 to 12	11 to 12	11 to 12
Telescopic pillar version	# of section	2-section	2-section	3-section	3-section
Stroke	mm	200 to 700	200 to 700	300 to 700	300 to 700
Retracted length (push version)	mm	S + 145	S + 145	S + 45	S + 45
Retracted length (pull version)	mm	S + 150	S + 150	S + 50	S + 50
Voltage	V AC	120 or 230	120 or 230	120 or 230	120 or 230
Power	120 V AC 230 V AC W	300	300	300	300
Current	120 V AC 230 V AC A	2,5	2,5	2,5	2,5
Duty cycle: intermittent operation	120 V AC 230 V AC min.	0,8 min./21 min.	0,8 min./21 min.	0,8 min./21 min.	0,8 min./21 min.
Duty cycle: short-time operation	120 V AC 230 V AC min.	1 min./19 min.	1 min./19 min.	1 min./19 min.	1 min./19 min.
Ambient temperature	°C	+10 to +40	+10 to +40	+10 to +40	+10 to +40
Type of protection	IP	20/30	20/30	20/30	20/30
Protection class		I	I	I	I
Type of control		electrical	pneumatic	electrical	pneumatic
Weight	kg	4,5 to 7,5	4,5 to 7,5	5,9 to 9,5	5,9 to 9,5

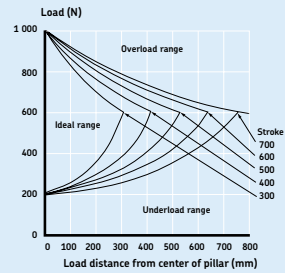
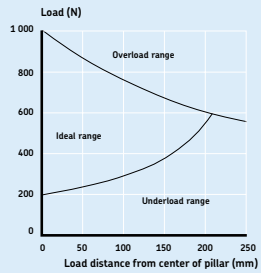
* For details, please see bending load diagrams

Telescopic pillars AC versions

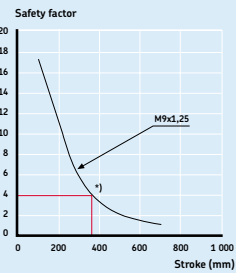
Performance diagram



Bending load diagrams



Safety factor load conditions



Ordering key

TGC 8 A W [] [] [] - [] 0 []

Type

Tube set:
Tube set 2x
Tube set 3x

A
D

Control:
Electrical control
Pneumatic control
Low-voltage control

S
K
N

Voltage:
230 VAC/50 Hz, IP 30 (no code)
120 VAC/60 Hz, IP 20
Special voltage

2
9

Type of protection /test:
Standard IP30 (no code)
UL test

U

Construction:
Push load
Customer-specific
Pull load

0
1
3

Stroke (S):
200 mm (only for tube set 2x)
300 mm
400 mm
500 mm
600 mm
700 mm

2
3
4
5
6
7

Options shown in italics are only available on demand. Contact SKF for more information on minimum quantities and additional costs.

Accessories

	Designation	Order N°
Top mounting plate for 2 × tube set	SPL-964280	M/0125629
Bottom mounting plate for 2 × tube set	SPL-964281	M/0125630
Top mounting plate for 3 × tube set	SPL-964280	M/0125629
Bottom mounting plate for 3 × tube set	SPL-965121	M/0125631
Screw (4/plate), only for 2 × tube set, bottom plate	ZBE-510751	M/0125368
Screw (4/plate), only for 3 × tube set, bottom plate	ZBE-510709	M/0125560
Lock washer (4/plate)	ZBE-510024	M/0125339
Plug AC Telemag 3-pin	SEL-265518	M/0124866
Plug AC Telemag 5-pin	SEL-265519	M/0124864

© SKF is a registered trademark of the SKF Group

© SKF Group 2011

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB L5322,1610 EN - February 2011



Telescopic pillar

Telemag THC

Benefits

- Push or pull load
- Quiet
- Powerful
- Robust
- Plug and play

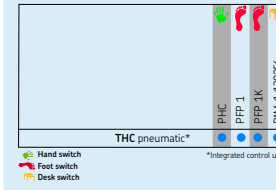
Standards

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

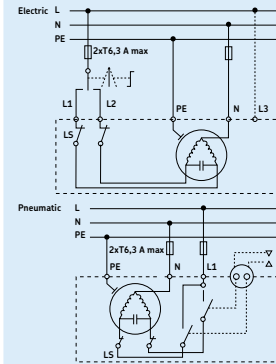


Telemag THC

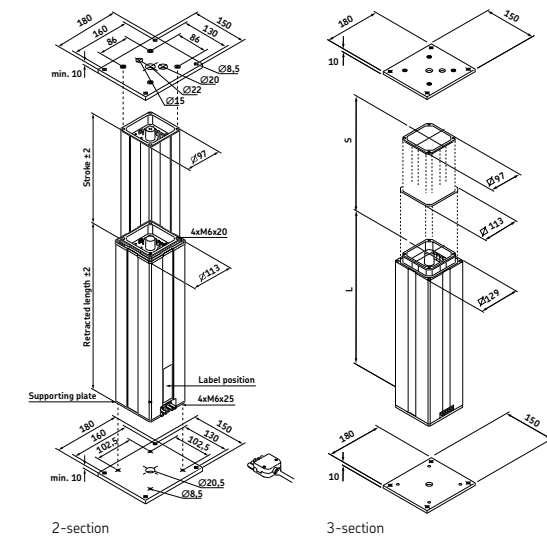
Suitable control units and accessories



Connecting diagrams



Dimensional drawing



Legend:
S = stroke
L = retracted length

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

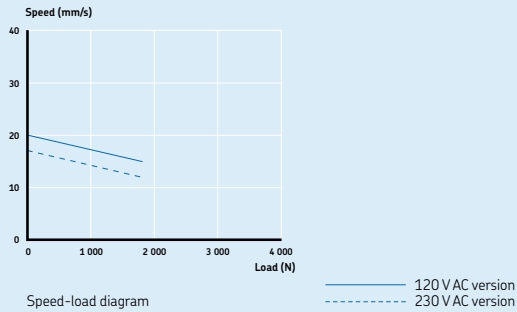
Technical data

	Unit	THC 8AWAS	THC 8AWAK	THC 8AWDS	THC 8AWDK
Rated push load	N	1 800	1 800	1 800	1 800
Rated pull load	N	1 800	1 800	1 800	1 800
Bending load	Nm	up to 250*	up to 250*	up to 900*	up to 900*
Speed (full load to no load)	120 V AC 230 V AC	mm/s mm/s	15 to 20 12 to 17	15 to 20 12 to 17	15 to 20 12 to 17
Telescopic pillar version	# of section	2-section	2-section	3-section	3-section
Stroke	mm	200 to 700	200 to 700	230 to 700	230 to 700
Retracted length (push version)	mm	S+155	S+155	S+60	S+60
Retracted length (pull version)	mm	S+160	S+160	S+65	S+65
Voltage	V AC	120 or 230	120 or 230	120 or 230	120 or 230
Power	120 V AC 230 V AC	W W	720 500	720 500	720 500
Current	120 V AC 230 V AC	A A	6 2,2	6 2,2	6 2,2
Duty cycle: intermittent operation	120 V AC 230 V AC	min. min.	0,7 min./30 min. 1 min./27 min.	0,7 min./30 min. 1 min./27 min.	0,7 min./30 min. 1 min./27 min.
Duty cycle: short-time operation	120 V AC 230 V AC	min. min.	1 2	1 2	1 2
Ambient temperature	°C	+10 to +40	+10 to +40	+10 to +40	+10 to +40
Type of protection	IP	20/30	20/30	20/30	20/30
Protection class	-	I	I	I	I
Type of control	-	electrical	pneumatic	electrical	pneumatic
Weight	kg	7,9 to 13,5	7,9 to 13,5	8,6 to 17,5	8,6 to 17,5

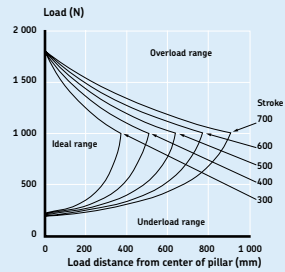
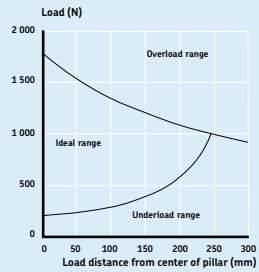
* For details, please see bending load diagrams

Telescopic pillars AC versions

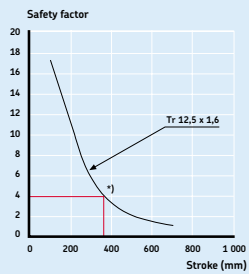
Performance diagram



Bending load diagrams



Safety factor load conditions



Ordering key

THC 8 W - 0

Type

Load:
 1 800 N
 1 500 N
 1 300 N

Tube set:
 Tube set 2x
 Tube set 3x

Control:
 Electrical control
 Pneumatic control
 Low-voltage control

Voltage:
 230 V AC/50 Hz, IP 30 (no code)
 120 V AC/60 Hz, IP 20
 Special voltage

Type of protection /test:
 Standard IP30 (no code)
 UL test

Construction:
 Push load
 Customer-specific
 Pull load

Stroke (S):
 200 mm (only for tube set 2x)
 300 mm
 400 mm
 500 mm
 600 mm
 700 mm

Options shown in italics are only available on demand. Contact SKF for more information on minimum quantities and additional costs.

Accessories

	Designation	Order N°
Top mounting plate for 2 x tube set	SPL-264265	M/0125688
Bottom mounting plate for 2 x tube set	SMT-264363	M/0124814
Top mounting plate for 3 x tube set	SPL-264265	M/0125688
Bottom mounting plate for 3 x tube set	SPL-264237	M/0125622
Screw (4/plate) for top mounting plate	ZBE-510671	M/0125628
Screw (4/plate) for bottom mounting plate	ZBE-510709	M/0125560
Plug AC Telemag 3 pin	SEL-265518	M/0124866
Plug AC Telemag 5 pin	SEL-265519	M/0124864

© SKF is a registered trademark of the SKF Group

© SKF Group 2010

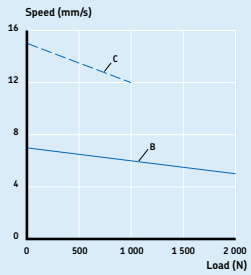
The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

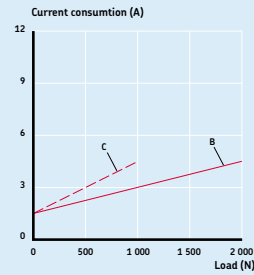
PUB L5322,1620 EN - May 2010



Performance diagrams

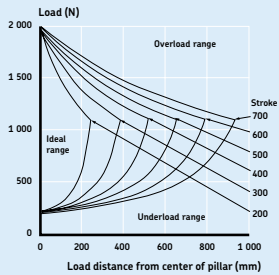


Speed-load diagram

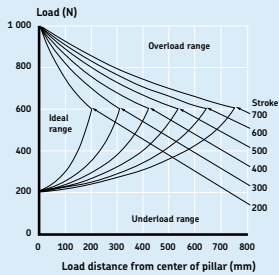


Current-load diagram

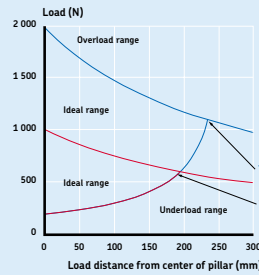
Bending load diagrams



Bending load diagram THG...BD

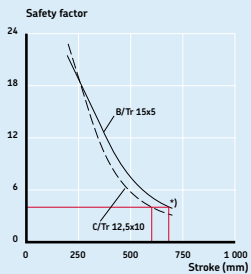


Bending load diagram THG...CD



Bending load diagram THG...BA/CA

Safety factor load conditions



* Safety factor = 4

Ordering key

THG1 - - - - - 000

Type

Voltage:
24 V DC
24 V DC with integrated current cut-off

Load:
2 000 N
1 000 N

Tube set:
Tube set 2x
Tube set 3x

Stroke (S):

200 mm
300 mm
400 mm
500 mm
600 mm
700 mm

Cable / connecting plug:

Straight, 1,0 m / jack plug
Straight, 2,3 m / jack plug
Coiled, 0,6 m / jack plug
Straight, 1,0 m / DIN8 plug
Straight, 2,3 m / DIN8 plug
Coiled, 0,6 m / DIN8 plug

Option:

No option
1-Hall encoder, 8 pulses, cable with jack plug
Potentiometer, 1 kΩ, 2 Watt, 0,25 % linearity, 10 turns (tube set 3x only)
Cable feedthrough, 5 x 0,75 mm², top +160 mm, bottom +800 mm
Cable feedthrough, 1-Hall encoder
Cable feedthrough, potentiometer (tube set 3x only)
2-Hall encoder, cable with DIN8 plug
Cable feedthrough, 2-Hall encoder, cable with DIN8 plug

Options shown in italics are only available on demand. Contact SKF for more information on minimum quantities and additional costs.

Accessories

	Designation	Order N°
Top mounting plate for 2 x tube set	SPL-264265	M/0125688
Bottom mounting plate for 2 x tube set	SMT-264363	M/0124814
Top mounting plate for 3 x tube set	SPL-264265	M/0125688
Bottom mounting plate for 3 x tube set	SPL-264237	M/0125622
Screw (4/plate) for mounting plate (2 tube set)	ZBE-510709	M/0125560
Screw (4/plate) for mounting plate (3 tube set)	ZBE-510707	M/0125360

© SKF is a registered trademark of the SKF Group

© SKF Group 2010

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB L5322,1650 EN · May 2010



Telescopic pillar

Telemag TLC

Benefits

- Push or pull load
- High bending load
- Quiet
- Powerful
- Plug and play

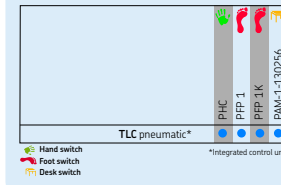
Standards

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

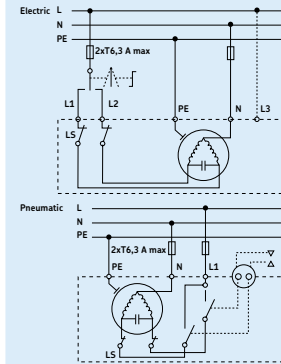


Telemag TLC

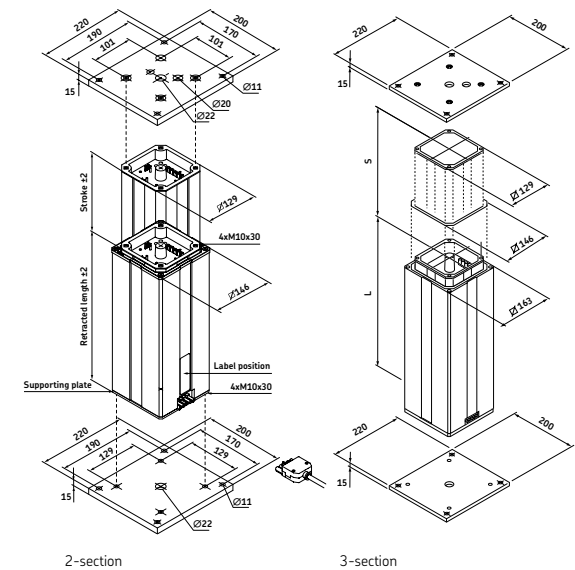
Suitable control units and accessories



Connecting diagrams



Dimensional drawing



Legend:
S = stroke
L = retracted length

Telescopic pillars AC versions

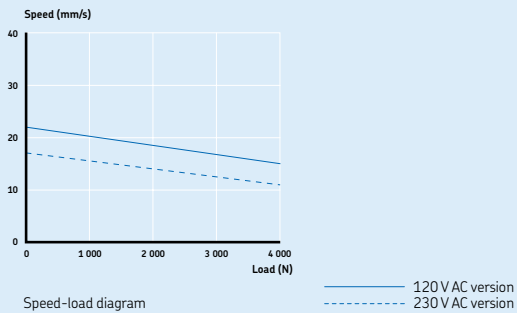
Note: mounting plates are not included.
To be ordered separately.

Technical data

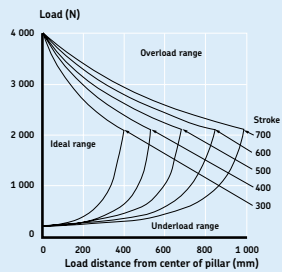
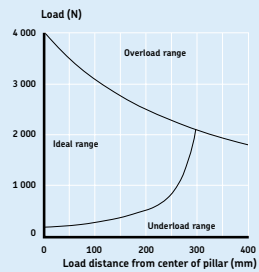
	Unit	TLC 12ZWAS	TLC 12ZWAK	TLC 12ZWDS	TLC 12ZWDK
Rated push load	N	4 000	4 000	4 000	4 000
Rated pull load	N	4 000	4 000	4 000	4 000
Bending load	Nm	up to 630*	up to 630*	up to 2 100*	up to 2 100*
Speed (full load to no load)	120 VAC 230 VAC	mm/s mm/s	15 to 22 11 to 17	15 to 22 11 to 17	15 to 22 11 to 17
Telescopic pillar version	# of section	2-section	2-section	3-section	3-section
Stroke	mm	100 to 700	100 to 700	255 to 700	255 to 700
Retracted length (push version)	mm	S+175	S+175	S+60	S+60
Retracted length (pull version)	mm	S+185	S+185	S+70	S+70
Voltage	VAC	120 or 230	120 or 230	120 or 230	120 or 230
Power	120 VAC 230 VAC	W A	1 200 4,1	1 200 4,1	1 200 4,1
Current	120 VAC 230 VAC	A	10 4,1	10 4,1	10 4,1
Duty cycle: intermittent operation	120 VAC 230 VAC	min. min.	0,8 min./37 min. 1 min./37 min.	0,8 min./37 min. 1 min./37 min.	0,8 min./37 min. 1 min./37 min.
Duty cycle: short-time operation	120 VAC 230 VAC	min. min.	1,2 2	1,2 2	1,2 2
Ambient temperature	°C	+10 to +40	+10 to +40	+10 to +40	+10 to +40
Type of protection	IP	20/30	20/30	20/30	20/30
Protection class	-	I	I	I	I
Type of control	-	electrical	pneumatic	electrical	pneumatic
Weight	kg	15,2-24,5	15,2-24,5	18,3-30,5	18,3-30,5

* For details, please see bending load diagrams

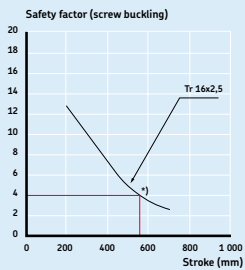
Performance diagram



Bending load diagrams



Safety factor load conditions



Ordering key

T L C 1 2 [] W [] [] [] [] - [] 0 []

Type

Load:
4 000 N
3 000 N
2 000 N

Z
X
S

Tube set:
Tube set 2x
Tube set 3x

A
D

Control:
Electrical control
Pneumatic control
Low-voltage control

S
K
N

Voltage:
230 V AC/50 Hz (no code)
120 V AC/60 Hz
Special voltage

2
9

Type of protection/test:
Standard IP30 (no code)
UL approved

U

Construction:
Push load
Customer-specific
Pull load

0
1
3

Stroke (S):
100 mm, only for tube set 2x, push
255 mm, only for tube set 3x, push
200 mm, only for tube set 2x
300 mm
400 mm
500 mm
600 mm
700 mm

1
1
2
3
4
5
6
7

Options shown in italics are only available on demand. Contact SKF for more information on minimum quantities and additional costs.

Accessories

	Designation	Order N°
Top mounting plate for 2 x tube set	SPL-290268	M/0125624
Bottom mounting plate for 2 x tube set	SPL-290351	M/0125625
Top mounting plate for 3 x tube set	SPL-290268	M/0125624
Bottom mounting plate for 3 x tube set	SPL-290265	M/0125623
Screw (4/plate) for mounting plate	ZBE-510707	M/0125360
Plug AC Telemag 3 pin	SEL-265518	M/0124866
Plug AC Telemag 5 pin	SEL-265519	M/0124864

© SKF is a registered trademark of the SKF Group

© SKF Group 2011

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB L5322,1630 EN - February 2011



Telescopic pillar

Telemag TLG

Benefits

- High bending load
- Powerful

Standards

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



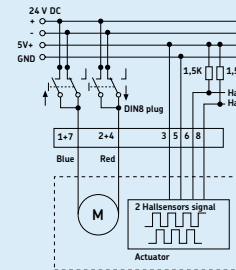
Telemag TLG

Suitable control units and accessories

	SCU 1	SCU 5	SCU 9	VCU 5	VCU 8	VCU 9	BCU 5	BCU 8	MCU
TLG	•	•	•	•	•	•	•	•	•
EHA1	•	•	•	•	•	•	•	•	•
EHA3	•	•	•	•	•	•	•	•	•
STF	•	•	•	•	•	•	•	•	•
STJ	•	•	•	•	•	•	•	•	•
STA	•	•	•	•	•	•	•	•	•
STE	•	•	•	•	•	•	•	•	•

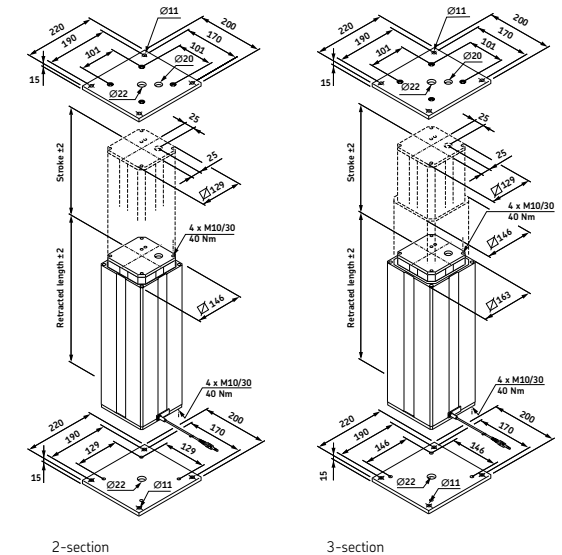
Hand switch
 Foot switch
 Desk switch

Connecting diagram*



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

Dimensional drawing



Legend:
S = stroke
L = retracted length

Telescopic pillars DC versions

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

Technical data

	Unit	TLG 10/11-A	TLG 10/11-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*	up to 1 750*	up to 950*
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	5+180	5+180	5+180
Voltage	V DC	24	24	24
Power	W	156	156	156
Current	A	6,5	6,5	6,5
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

* For details, please see bending load diagrams

Telescopic pillar

Telemag TLT

Benefits

- Very small built-in dimension
- Powerful

Standards

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

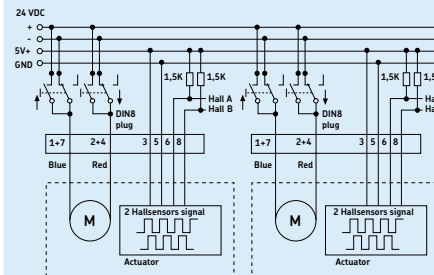


Telemag TLT

Suitable control units and accessories

	TLT	EH43	STJ	STE
Control units	SCU 1, SCU 5, SCU 9, VCU 5, VCU 8, VCU 9, BCU 5, BCU 8			
Hand switch	•	•	•	•
Foot switch	•	•	•	•
Desk switch	•	•	•	•

Connecting diagram*



* Only valid with TLT11. TLT10 must be operated by a BCU, SCU or VCU control unit.

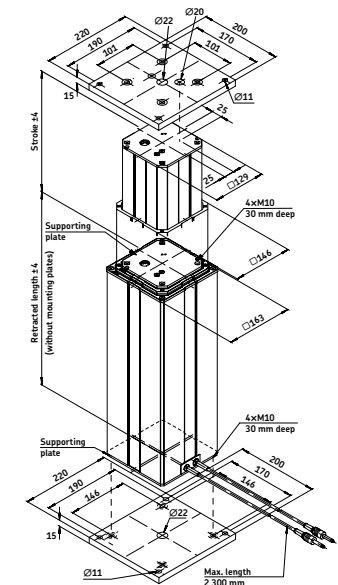
Technical data

	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*	up to 1 000*	up to 250*	up to 110*	up to 480*
Speed (full load to no load)	mm/s	11 to 16	13 to 19	13 to 19	25 to 36	25 to 42
Telescopic pillar 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 x 5+170	0,5 x 5+240	0,5 x 5+170	0,5 x 5+170	0,5 x 5+240
Voltage	V DC	24	24	24	24	24
Power	W	168	168	192	192	216
Current	A	2x3,5	2x3,5	2x4,0	2x4,0	2x4,5
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
Type 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

* For details, please see bending load diagrams

Telescopic pillars DC versions

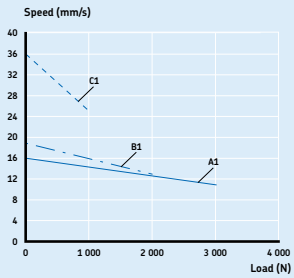
Dimensional drawing



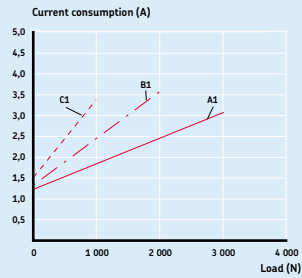
Legend:
S = stroke
L = retracted length

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

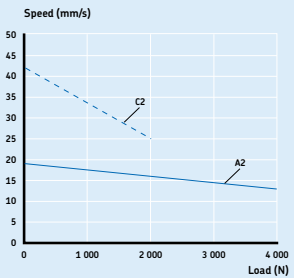
Performance diagrams



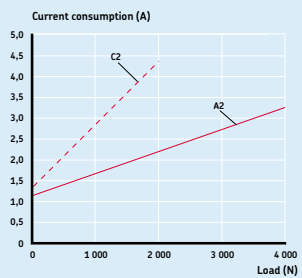
Speed-load diagram



Current-load diagram

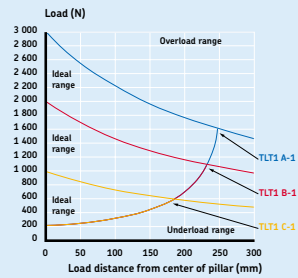


Speed-load diagram

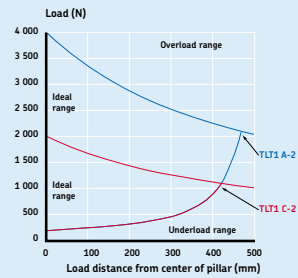


Current-load diagram

Bending load diagrams



Bending load diagram A1, B1, C1



Bending load diagram A2, C2

Ordering key

TLT1 - - - - - 000

Type

Voltage:

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

Load / Speed:

4 000 N
3 000 N
2 000 N / 19 to 13 mm/s
2 000 N / 42 to 25 mm/s
1 000 N

Stroke (S):

300 mm
400 mm
500 mm
600 mm*
700 mm*

Cable / connecting plug:

Straight, 1.0 m / jack plug
Straight, 2.3 m / jack plug
Coiled, 0.6 m / jack plug
Straight, 1.0 m / DIN8 plug
Straight, 2.3 m / DIN8 plug
Coiled, 0.6 m / DIN8 plug

Option:

No option
1-Hall encoder, 8 pulses, cable with jack plug
Cable feedthrough, 3x1.5 mm², top +160 mm, bottom +800 mm
Cable feedthrough, 1-Hall encoder
2-Hall encoder, cable with DIN8 plug

Options shown in italics are only available on demand. Contact SKF for more information on minimum quantities and additional costs.

*Reduced safety factor

Accessories

	Designation	Order N°
Top mounting plate	SPL-290268	M/0125624
Bottom mounting plate	SPL-290265	M/0125623
Screw (4/plate) for mounting plate	ZBE-510707	M/0125360

© SKF is a registered trademark of the SKF Group

© SKF Group 2011

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB L5322,1670 EN - February 2011



Telescopic pillar

Telemag TFG

Benefits

- Push or pull load
- Compact design
- Fast movement
- Powerful
- Plug and play

Standards

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



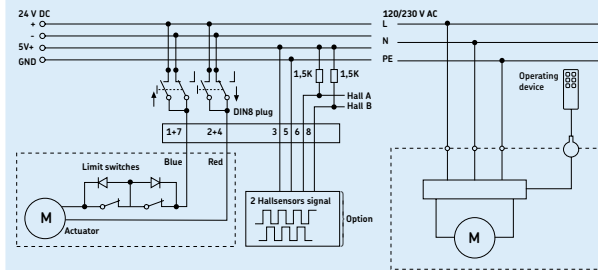
Telemag TFG

Suitable control units and accessories

		Control units										Accessories		
		SCU 1	SCU 5	SCU 9	VCU 5	VCU 8	VCU 9	BCU 5	BCU 8	LD 014	LD 015	EHA3	STJ	STE
TFG 10		•	•	•	•	•	•	•	•	•	•	•	•	•
TFG 50	Integrated control unit	•	•	•	•	•	•	•	•	•	•	•	•	•
TFG 90	Integrated control unit	•	•	•	•	•	•	•	•	•	•	•	•	•
	EHA3	•	•	•	•	•	•	•	•	•	•	•	•	•
	STJ	•	•	•	•	•	•	•	•	•	•	•	•	•
	STE	•	•	•	•	•	•	•	•	•	•	•	•	•
	LD-034.000.004	•	•	•	•	•	•	•	•	•	•	•	•	•
	LD-011.031.000	•	•	•	•	•	•	•	•	•	•	•	•	•

Hand switch
 Foot switch
 Desk switch

Connecting diagrams



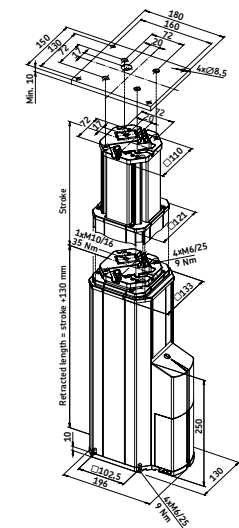
Technical data

	Unit	TFG 10	TFG 50	TFG 90
Rated push load	N	2 500	2 500	2 500
Rated pull load	N	2 500	2 500	2 500
Bending load	Nm	up to 500*	up to 500*	up to 500*
Speed (full load to no load)	mm/s	15 to 19	15 to 19	15 to 19
Telescopic pillar version	# of section	3-section	3-section	3-section
Stroke	mm	200 to 700	200 to 700	200 to 700
Retracted length	mm	5+130	5+130	5+130
Voltage	V AC	24	120	230
Power	W	120	160	160
Current	A	5	1,8	1
Duty cycle: intermittent operation	min.	1 min./9 min.	1 min./9 min.	1 min./9 min.
Duty cycle: short-time operation	min.	3	3	3
Ambient temperature	°C	+10 to +40	+10 to +40	+10 to +40
Type of protection	IP	30	30	30
Protection class	-	SELV	1	1
Type of control	-	electrical	electrical	electrical
Weight	kg	8 to 19	8 to 19	8 to 19

* For details, please see bending load diagrams

Telescopic pillars

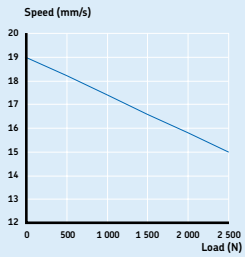
Dimensional drawing



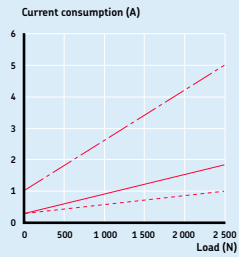
Note: mounting plates are not included. To be ordered separately.

Legend:
S = stroke
L = retracted length

Performance diagrams



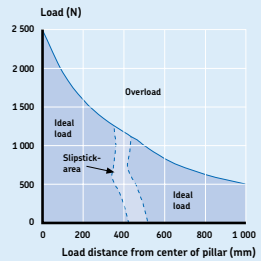
Speed-load diagram



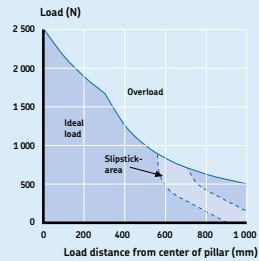
Current-load diagram

--- TFG 10
 — TFG 50
 - - - TFG 90

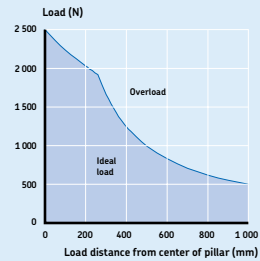
Bending load diagrams



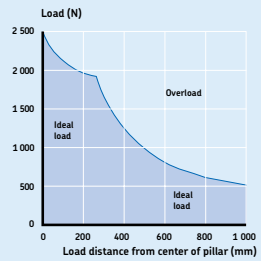
200 mm stroke



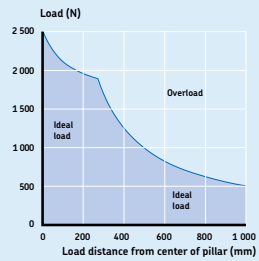
300 mm stroke



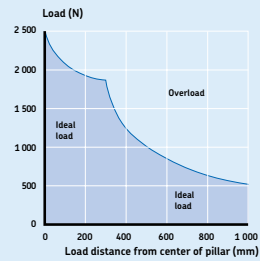
400 mm stroke



500 mm stroke



600 mm stroke



700 mm stroke

Ordering key

TFG 0-23 - - - - - 000

Type

Voltage:
 24 V DC
 120 V AC (50/60 Hz)
 230 V AC (50 Hz)

1
 5
 9

Stroke (S):

200 mm
 250 mm
 300 mm
 350 mm
 400 mm
 500 mm
 700 mm

200
 250
 300
 350
 400
 500
 700

Option:

No option
 With 2-Hall encoder, 14 pulses per 9 mm travel
 With mains cable feedthrough (3xAWG16)
 With control cable feedthrough (10xAWG28)

000
 E
 C
 H

Accessories

	Designation	Order N°
Top mounting plate Bore 72 x 72 mm	SMT-333360	M/0124808
Bottom mounting plate Bore 102,5 x 102,5 mm	SMT-264363	M/0124814
Screw for top mounting plate M10 x 25 (1 screw required)	ZBE-510978	M/0125359
Screw for top mounting plate M6 x 30 (4 screws required)	ZBE-510709	M/0125560
Screw for bottom mounting plate M6 x 30 (4 screws required)	ZBE-510709	M/0125560
Mains cable SEV plug 3 000 mm, black, 3 x 0.75 mm ²	ZKA-304345	M/0125331
Mains cable Schuko plug 3 000 mm, black, 3 x 0.75 mm ²	ZKA-304346-3000	M/0121729
Mains cable US plug 3 000 mm, black, 3 x 0.75 mm ²	ZKA-304347-3000	M/0121762
Mains cable British Standard plug 3 000 mm, black, 3 x 0.75 mm ²	ZKA-304355-3000	M/0121755

© SKF is a registered trademark of the SKF Group

© SKF Group 2010

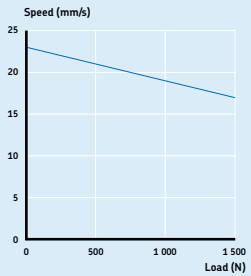
The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB L5322,1675 EN - August 2010

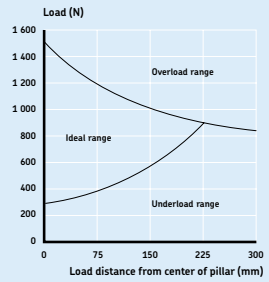


Performance diagram

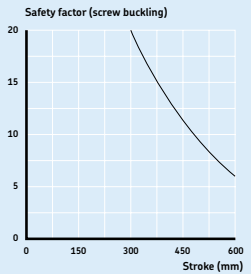


Speed-load diagram

Bending load diagram



Safety factor load conditions



Ordering key

TXG 0-00 - 00

Type

- Voltage:**
 24 V DC (slave actuator) 1
 120 V AC, 50/60 Hz, class II 4
 120 V AC, 50/60 Hz, class I (mandatory for cable feedthrough option) 5
 230 V AC, 50 Hz, class II 8
 230 V AC, 50 Hz, class I (mandatory for cable feedthrough option) 9

Color:

- Natural anodized coating 5
Customer-specific K
Powder-coated white 2
Powder-coated grey 3

Option:

- None 000
 Control connection feedthrough EYX
 Mains cable feedthrough EYF
 Control connection feedthrough, mains cable feedthrough 2AA
Customer-specific KKK

Stroke (S) / Retr. length (L=S+180 or L= S+160 mm)

Stroke (S) / Retr. length	L=S+180	L=S+160
200 mm	200	4CY
300 mm	300	4DY
400 mm	400	4EY
500 mm	500	4FY
600 mm	600	4GY

Options shown in italics are only available on demand. Contact SKF for more information on minimum quantities and additional costs.

Accessories

Mains cable	Plug	Country	Order number	Comment
Straight cable 3,5	Euro	General	M/0121730	2-pole
Straight cable 3,5	Schuko	General	M/0121760	3-pole
Straight cable 3,5	UL	USA	M/0121757	2-pole/3-pole
Straight cable 3,5	British standard	UK	M/0121761	2-pole/3-pole
Top or bottom mounting plate			M/0124874	

Note: mounting screws are included in the TXG.

© SKF is a registered trademark of the SKF Group

© SKF Group 2010

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB L5322,1680 EN - August 2010



Telescopic pillar

Telesmart TMA

Benefits

- Powerful and fast lifting
- Aesthetic design

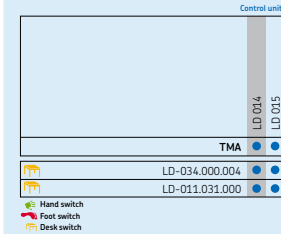
Standards

- EN 60335
- UL 60950



Telesmart TMA

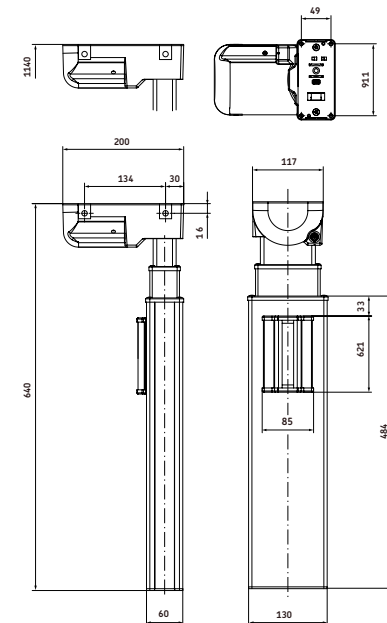
Suitable control units and accessories



TMA can only be operated with LD control units.

Telescopic pillars DC versions

Dimensional drawing



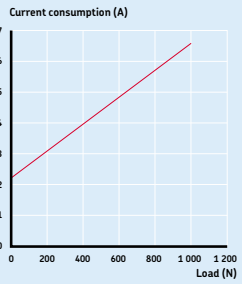
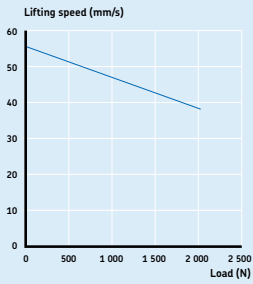
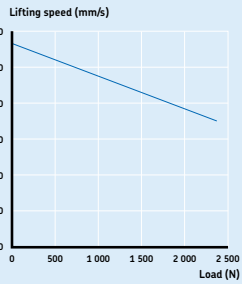
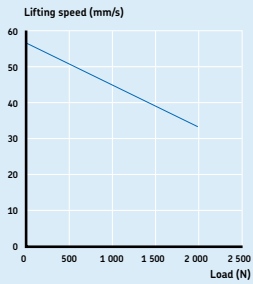
Legend:
S = stroke
L = retracted length

Technical data

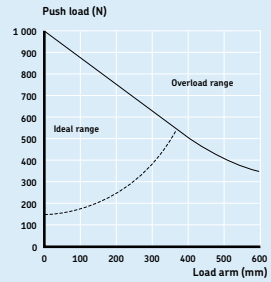
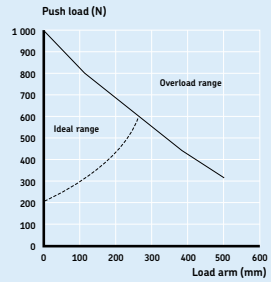
	Unit	TMA
Rated push load	N	1 000
Rated pull load	N	0
Bending load	Nm	up to 200*
Speed (full load to no load)	mm/s	35 to 55
Telescopic pillar version	# of section	3-section
Stroke	mm	500
Retracted length	mm	640
Voltage	V DC	24
Power	W	168
Current	A	7
Duty cycle: intermittent operation	min.	1 min./9 min.
Duty cycle: short-time operation	min.	N/A
Ambient temperature	°C	+5 to +40
Type of protection	IP	20
Protection class	-	SELV
Type of control	-	electrical
Weight	kg	8,5

* For details, please see bending load diagrams

Performance diagrams



Bending load diagrams



* The values given apply to single lifting pillars. With a stable table structure the ideal field of use can be enlarged.

Ordering key

TMA 10-00 [] [] -50000

Type

Color:
Natural anodized coating
Black anodized coating

5
6

Options:
With flange for crossbar one side
With flange for crossbar two sides
No flange for crossbar

EWY
2CM
2CN

Accessories

	Designation	Order N°
Cable 1,0 m with DIN8-plug	ZKA-306355-1000	M/0121741
Cable 1,5 m with DIN8-plug	ZKA-306355-1500	M/0121726
Cable 2,5 m with DIN8-plug	ZKA-306355-2500	M/0121742

© SKF is a registered trademark of the SKF Group

© SKF Group 2010

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB L5322,1691 EN - September 2010



Telescopic pillar

Telesmart TMD

Benefits

- Powerful and fast lifting
- Aesthetic design
- Efficient retracted length ratio

Standards

- EN 60335
- UL 60950



Telesmart TMD

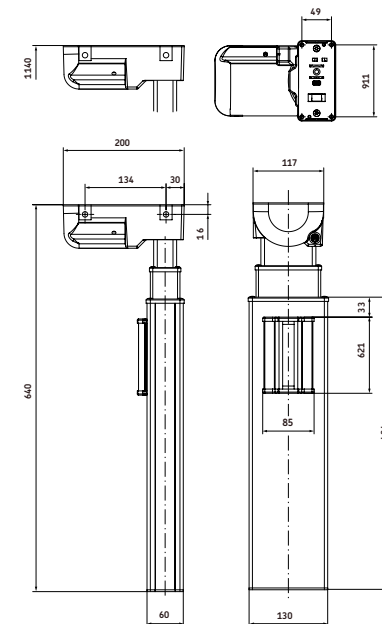
Suitable control units and accessories

Control units	
	LD 014
	LD 015
	TMD
	LD-034.000.004
	LD-011.031.000

TMD can only be operated with LD control units.

Telescopic pillars DC versions

Dimensional drawing



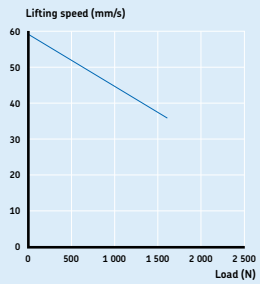
Legend:
S = stroke
L = retracted length

Technical data

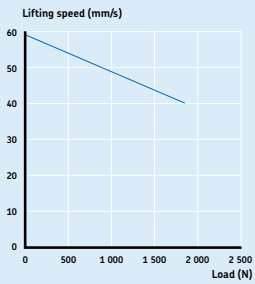
	Unit	TMD
Rated push load	N	800
Rated pull load	N	0
Bending load	Nm	up to 120*
Speed (full load to no load)	mm/s	35 to 60
Telescopic pillar version	# of section	3-section
Stroke	mm	700
Retracted length	mm	550
Voltage	V DC	24
Power	W	168
Current	A	7
Duty cycle: intermittent operation	min.	1 min./9 min.
Duty cycle: short-time operation	min.	N/A
Ambient temperature	°C	+5 to +40
Type of protection	IP	20
Protection class	-	SELV
Type of control	-	electrical
Weight	kg	8,5

* For details, please see bending load diagrams

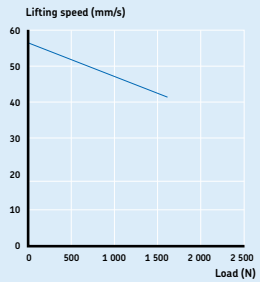
Performance diagrams



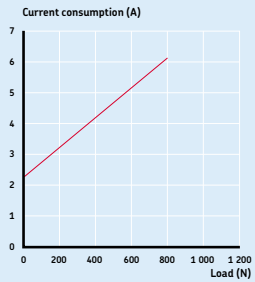
Lifting speed 2-channel control



Lifting speed 3-channel control

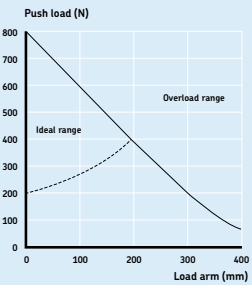


Lifting speed 4-channel control

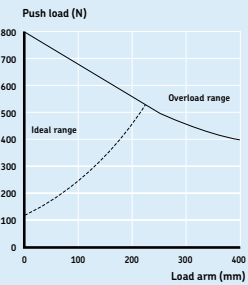


Current-load diagram

Bending load diagrams



Dynamic stress diagram on X axis with maximum lift*



Dynamic stress diagram on Y axis with maximum lift*

* The values given apply to single lifting pillars. With a stable table structure the ideal field of use can be enlarged.

Ordering key

TMD 10-00-70000

Type

Color:
Natural anodized coating
Black anodized coating

5
6

Options:
With flange for crossbar one side
With flange for crossbar two sides
No flange for crossbar

EWY
2CM
2CN

Accessories

	Designation	Order N°
Cable 1,0 m with DIN8-plug	ZKA-306355-1000	M/0121741
Cable 1,5 m with DIN8-plug	ZKA-306355-1500	M/0121726
Cable 2,5 m with DIN8-plug	ZKA-306355-2500	M/0121742

© SKF is a registered trademark of the SKF Group

© SKF Group 2010

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB L5322,1692 EN - September 2010



Telescopic pillar

Telemag CPI

Benefits

- Push or pull load
- Fast movement
- Robust and stable design
- T-slotted outer tube

Standards

- EN 60950-1
- IEC 60950-1
- UL 60950-1



Telemag CPI

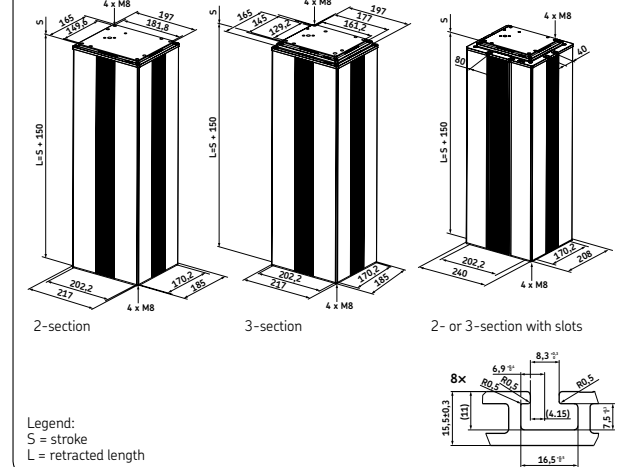
Telescopic pillars DC versions

Suitable control units and accessories

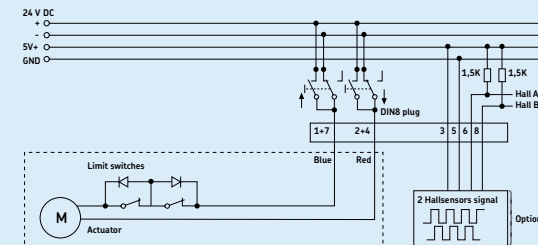
Control units		LD	SCU 1	SCU 5	SCU 9	VCU 5	VCU 8	VCU 9	BCU 5	BCU 8
CPI		•	•	•	•	•	•	•	•	•
	EHA 3	•	•	•	•	•	•	•	•	•
	STJ	•	•	•	•	•	•	•	•	•
	STE	•	•	•	•	•	•	•	•	•
	LD-034.000.004	•								
	LD-011.031.000	•								

Hand switch
 Foot switch
 Desk switch

Dimensional drawing



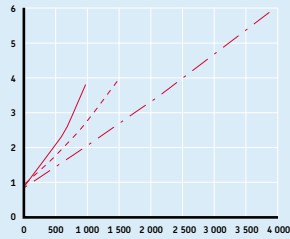
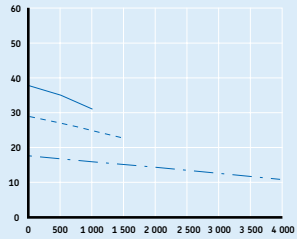
Connecting diagram



Technical data

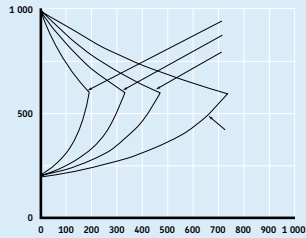
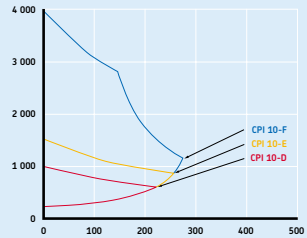
	Unit	CPI10-D	CPI10-E	CPI10-F
Max. push force	N	1 000	1 500	4 000
Max. pull force	N	1 000	1 500	4 000
Dynamic bending moment (2-section)	Nm	250	250	250
Dynamic bending moment (3-section)	Nm	max. 1 000	max. 1 000	max. 1 000
Speed (full load)	mm/s	31	22	11
Speed (no load)	mm/s	38	28	17
Stroke	mm	200 to 700	200 to 700	200 to 700
Retracted length	mm	5+150	5+150	5+150
Voltage	V DC	24	24	24
Power	W	91,2	96	144
Current	A	3,8	4	6
Duty cycle: intermittent operation	min.	2 min./8 min.	2 min./8 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	-	III/SELV	III/SELV	III/SELV
Type of control	-	electrical	electrical	electrical
Weight (2-section)	kg	13 to 30	13 to 30	13 to 30
Weight (3-section)	kg	14 to 34	14 to 34	14 to 34

Performance diagrams



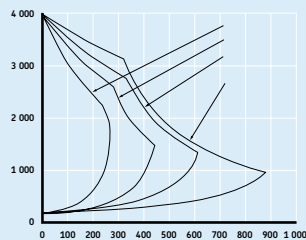
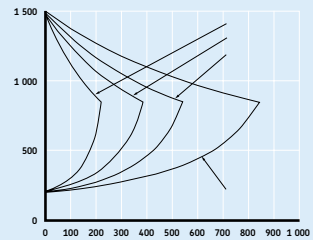
Speed-load diagram: — CPI10-D, - - - CPI10-E, . . . CPI10-F
 Current-load diagram: — CPI10-D, - - - CPI10-E, . . . CPI10-F

Bending load diagrams



Load diagram 2-section

Load diagram 3-section CPI10-D



Load diagram 3-section CPI10-E

Load diagram 3-section CPI10-F

Ordering key

CPI 10 - T - - - - - 0 - 000

Type

Voltage:
24 V DC

Load: Push (N)	Pull (N)	Speed (mm/s)
1 000	1 000	31
1 500	1 500	22
4 000	4 000	11

Tube set:

- 2-section
- 3-section
- 2-section T-slotted outer tube
- 3-section T-slotted outer tube

2
3
4
5

Stroke (S):

200 mm	200
250 mm	250
300 mm	300
350 mm	350
400 mm	400
450 mm	450
500 mm	500
550 mm	550
600 mm	600
650 mm	650
700 mm	700
Other stroke lengths	XXX

Electrical options:

- None
- 2-Hall encoder
- Lifetime monitoring
- 2-Hall encoder and lifetime monitoring

0
F
M
N

Cable through option:

- None
- Mains cable feedthrough, protection class I (retracted length +30 mm) max 250 VAC, max 10 A

0
C

Special:

- None
- Back-up nut (only for 4 000 N version)

0
B

Options shown in italics are only available on demand. Contact SKF for more information on minimum quantities and additional costs.

Accessories

	Designation	Order N°
Top mounting plate (without T-slot), Bore 202,2x170,2 mm	ZBE-333426	M/0126542
Top mounting plate (with T-slot), Bore 202,2x170,2 mm	ZBE-333434	M/0126543
Bottom mounting plate 3-section, Bore 161,2x129,2 mm	ZBE-333428	M/0126541
Bottom mounting plate 2-section, Bore 181,8x149,6 mm	ZBE-333427	M/0126540
Screw for bottom mounting plates M10x25 (1 screw required)	ZBE-510978	M/0125359
Screw for top mounting plates M8x35 (4 screws required)	ZBE-530564	M/0126539
Screws for bottom mounting plates M8x35 (4 screws required)	ZBE-530564	M/0126539
Motor cable 2xDIN8, 1 000 mm, black	ZKA-306009-1000	M/0105471
Motor cable 2xDIN8, 1 500 mm, black	ZKA-306009-1500	M/0105472
Motor cable 2xDIN8, 2 500 mm, black	ZKA-306009-2500	M/0105473

© SKF and Telemag are registered trademarks of the SKF Group

© SKF Group 2011

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

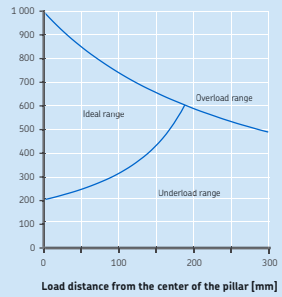
Printed in Sweden on environmentally friendly paper.

PUB MT/P8 10236 EN - February 2011

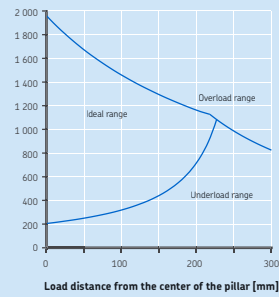


Telescopic pillars

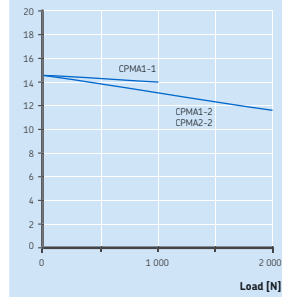
Offset load diagram CPMA1-1



Offset load diagram CPMA1-2 and CPMA2-2

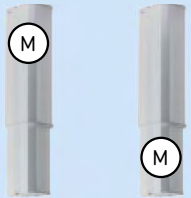


Speed-load diagram



More flexibility with Series CPMA design options Built-in with outer tube on top

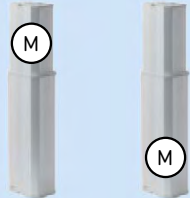
- More hygienic and easy-to-clean design



Motor orientation B Motor orientation A

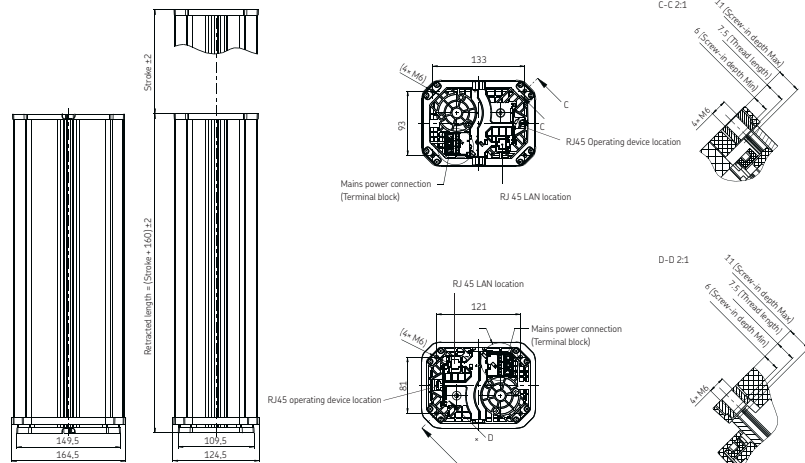
Built-in with outer tube on bottom

- More aesthetic design



Motor orientation A Motor orientation B

Fixing armatures available as accessory



Pillar must be attached on plane and rigid surface by 4 screws M6 with a depth of 6 to 11 mm in the pillar. The total length of the screw must be adjusted to the height of the fixture.

For ophthalmic equipment CPMA

For ophthalmic equipment CPMA

Ordering key

Type

100-240 V AC 50/60 Hz
24 V DC

Load:

1 000 Only for AC version
2 000

Tube set

2-section

Stroke length (mm)

200 Only for DC version
230
250
300
400

Other per 10 mm from 200 mm or 230 mm for AC version up to 400 mm

Motor orientation*

Motor in inner tube
Motor in outer tube

Operating device orientation

Operating device socket as the motor
Operating device socket at both sides

LAN cable through

No
LAN cable through Not compatible with op. device socket at both sides

*Pillar can be placed with outer tube on the top or bottom (please refer to page 3)

CPMA - 2 - - - - - 000

Accessories

Description	Plug	Country	Part number
Mains cable straight 2,5 m	Schuko	Germany, France, ...	ZKA-140449-2500
	Typ-L	Italy	ZKA-140450-2500
	British standard	UK	ZKA-140451-2500
	NEMA	USA, Japan, ...	ZKA-140452-2500
	SEV	CH	ZKA-140458-2500
AS 3112	PRC, Australia, ...	ZKA-140460-2500	
Detachable mains cord straight 2,5 m (to plug in socket box inlet)	Schuko	Germany, France, ...	ZKA-140453-2500
	Typ-L	Italy	ZKA-140454-2500
	British standard	UK	ZKA-140455-2500
	NEMA	USA, Japan, ...	ZKA-140456-2500
	SEV	CH	ZKA-140459-2500
AS 3112	PRC, Australia, ...	ZKA-140461-2500	
Desk switch with LED, cable 0,5 m			STK01-SW3000-X100
Desk switch with LED, cable 1,0 m			STK01-UW3000-X100
Handset with LED, cable coiled 1,3 m			EHA41-13N00N-000
Foot switch, cable coiled 1,3 m			STL01-GW1000-X100
Mounting plate			ZPL-348382
Socket box inlet: IEC, RJ45 LAN, RJ45 op. device			ZDV-348220-002
Socket box outlet: 3xIEC, RJ45 LAN, RJ45 op. device			ZDV-348221-002

© SKF is a registered trademark of the SKF Group.

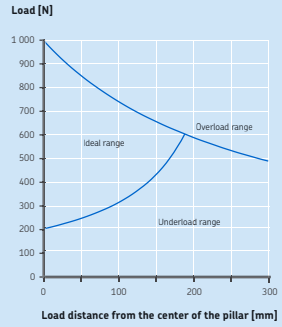
© SKF Group 2013

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

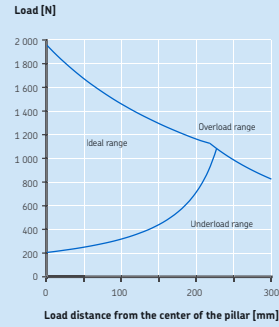
PUB MT/P8 13274 EN · March 2013

Telescopic pillars

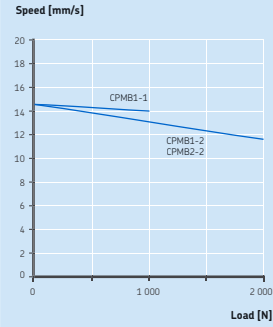
Offset load diagram CPMB1-1



Offset load diagram CPMB1-2 and CPMB2-2

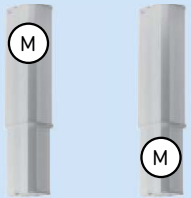


Speed-load diagram



More flexibility with Series CPMB design options

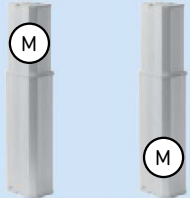
- Built-in with outer tube on top
- More hygienic and easy-to-clean design



Motor orientation B Motor orientation A

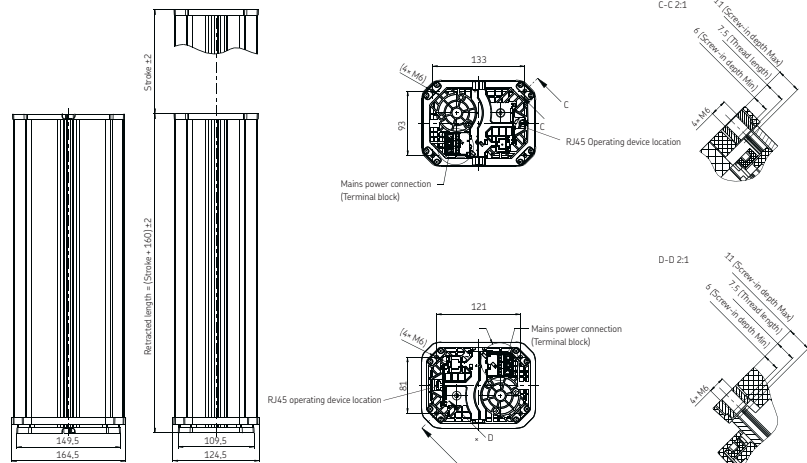
Built-in with outer tube on bottom

- More aesthetic design



Motor orientation A Motor orientation B

Fixing armatures available as accessory



Pillar must be attached on plane and rigid surface by 4 screws M6 with a depth of 6 to 11 mm in the pillar. The total length of the screw must be adjusted to the height of the fixture.

For infant care CPMB

For infant care CPMB

Ordering key

Type

100-240 V AC 50/60 Hz
24 V DC

Load:

1 000 Push (N)
2 000 Only for AC version

Tube set

2-section

Stroke length (mm)

200 Only for DC version

230

250

300

400

Other per 10 mm from 200 mm or 230 mm for AC version up to 400 mm

Motor orientation*

Motor in inner tube

Motor in outer tube

Operating device orientation

Operating device socket as the motor

Operating device socket at both sides

CPMB - 2 - - - - - 0-000

*Pillar can be placed with outer tube on the top or bottom (please refer to page 3)

Accessories

Description	Plug	Country	Part number
Mains cable straight 2,5 m	Schuko	Germany, France, ...	ZKA-140449-2500
	Typ-L	Italy	ZKA-140450-2500
	British standard	UK	ZKA-140451-2500
	NEMA	USA, Japan, ...	ZKA-140452-2500
	SEV	CH	ZKA-140458-2500
AS 3112	PRC, Australia, ...	ZKA-140460-2500	
Detachable mains cord straight 2,5 m (to plug in socket box Inlet)	Schuko	Germany, France, ...	ZKA-140453-2500
	Typ-L	Italy	ZKA-140454-2500
	British standard	UK	ZKA-140455-2500
	NEMA	USA, Japan, ...	ZKA-140456-2500
	SEV	CH	ZKA-140459-2500
AS 3112	PRC, Australia, ...	ZKA-140461-2500	
Desk switch with LED, cable 0,5 m			STK01-SW3000-X100
Desk switch with LED, cable 1,0 m			STK01-UW3000-X100
Handset with LED, cable coiled 1,3 m			EHA41-13N00N-000
Foot switch, cable coiled 1,3 m			STL01-GW1000-X100
Mounting plate			ZPL-348382
Socket box inlet: IEC, RJ45 LAN, RJ45 op. device			ZDV-348220-002
Socket box outlet: 3xIEC, RJ45 LAN, RJ45 op. device			ZDV-348221-002

© SKF is a registered trademark of the SKF Group.

© SKF Group 2013

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB MT/P8 13275 EN - March 2013



SKF Telescopic pillar

For medical procedure equipment
– series CPMT

Benefits

- Low retracted height
- High stroke
- High load capacity
- High safety and reliability
- Design flexibility

Standards

- IEC 60601-1:2005
- ANSI/AAMI ES60601-1:2005
- IEC 60601-1-2:2007



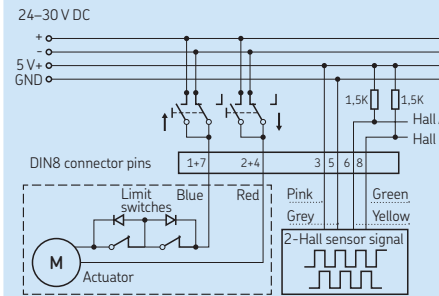
For medical procedure equipment CPMT

Suitable control units and operating devices

	SCU1	SCU5	SCU9	VCU5	VCU8	VCU9	BCU5*	BCU8*
CPMT	•	•	•	•	•	•	•	•
EHA	•	•	•	•	•	•	•	•
STJ	•	•	•	•	•	•	•	•
Hand switch	•	•	•	•	•	•	•	•
Foot switch	•	•	•	•	•	•	•	•

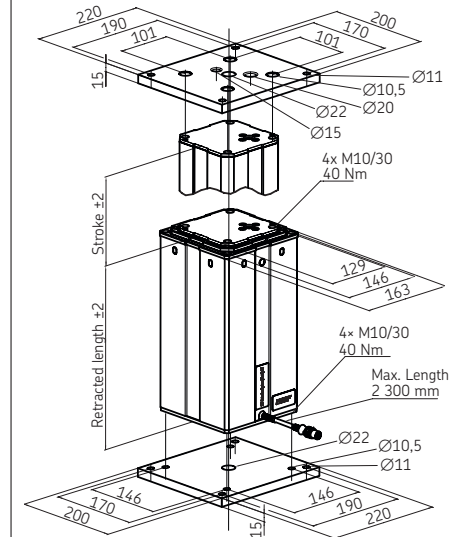
* Reduced load capacity:
CPMT1-1 up to 3 000 N
CPMT1-2 up to 4 000 N

Connecting diagram



Telescopic pillar

Dimensional drawing



Technical data

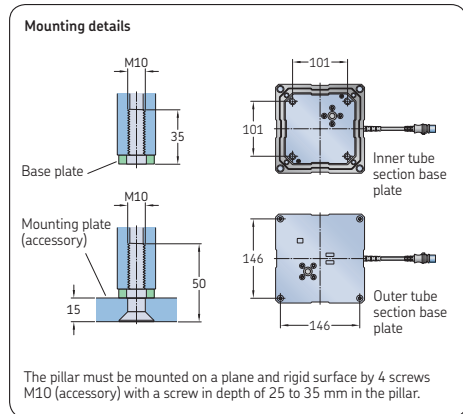
	Unit	CPMT1-1S	CPMT1-1M	CPMT1-2S	CPMT1-2M
Rated push load	N	5 000	5 000	6 000	6 000
Rated pull load	N	4 000	4 000	4 000	4 000
Static load (push) ¹⁾	N	15 000	15 000	15 000	15 000
Safety factor on rated load ²⁾		4	4	4	4
Dynamic bending moment	Nm	up to 450 ³⁾	up to 1 200 ³⁾	up to 550 ³⁾	up to 1 400 ³⁾
Static bending moment (max.)	Nm	1 000	3 000	1 000	3 000
Retracted length	mm	stroke/2 + 120 mm	stroke/2 + 240 mm	stroke/2 + 120 mm	stroke/2 + 240 mm
Stroke (S)	mm	400 to 600	300 to 600	400 to 600	300 to 600
Speed	mm/s	14 to 34	14 to 34	12 to 26	12 to 26
Voltage	V DC	24 to 30	24 to 30	24 to 30	24 to 30
Current (push, max.)	A	12	12	10	10
Current (pull, max.)	A	10	10	7	7
Duty cycle	on/off	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
IP protection		40	40	40	40
Weight	kg	16,5 to 20	19 to 23,5	16,5 to 20	19 to 23,5

¹⁾ Compliant with static load according to IEC 60601-2-46:2010

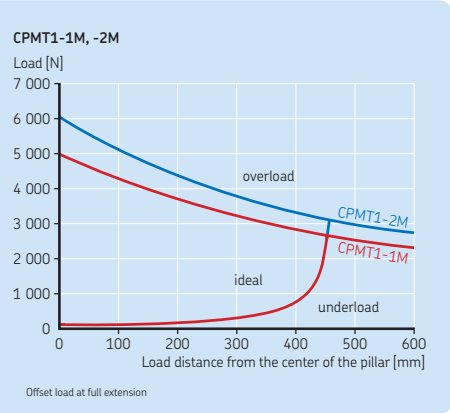
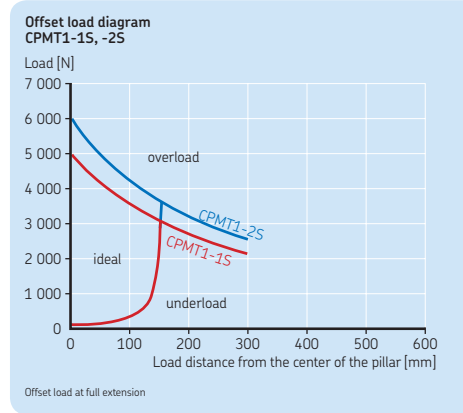
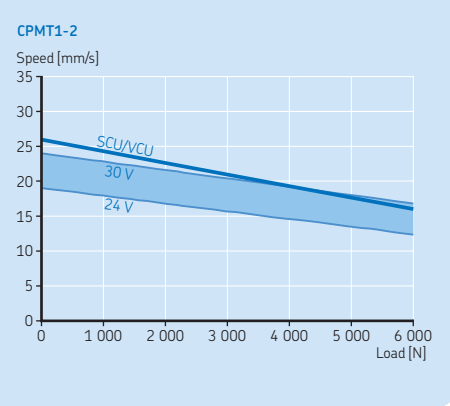
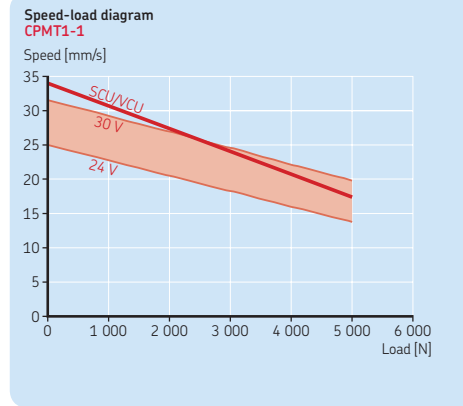
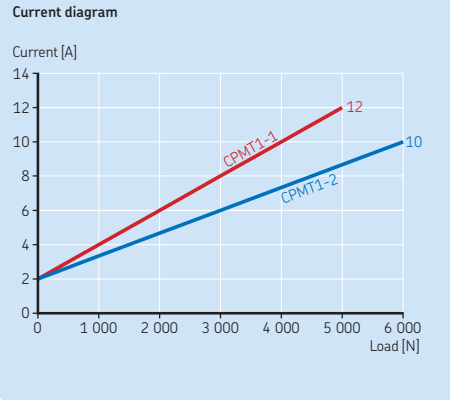
²⁾ Static tensile safety factor to prevent mechanical hazard according to IEC 60601-1:2005

³⁾ For details, see offset load diagrams

Telescopic pillar



For medical procedure equipment CPMT



Type key

CPMT 1 - 0 0 0 0 0 0 0 0 0 0

Type

Voltage
24-30 V DC

Load

Push (N)	Pull (N)
5 000	4 000
6 000	4 000

Retracted length

Stroke/2 + 120 mm
Stroke/2 + 240 mm

Stroke length (mm)

300	Only for retracted length M
350	Only for retracted length M
400	
450	
500	
550	
600	
Other	per 10 mm from 300 mm (or 400 mm for retracted length S) to 600 mm

Electrical options

2-Hall encoder, end limit switches

Cable options

1 m DIN8 cable
2,3 m DIN8 cable
2,3 m flying leads cable

Configuration options

Option S Option M DIN8 or flying leads cable for connector flexibility

Additional attachment options

Optional threads on outer tube section can be configured for additional attachment options. Please contact SKF for more details.

- Choice in size and position
- High strength to support attached actuators

Accessories

Description	Part number
Control Unit SCU (3 or 6 ports)	SCUXX-003XXX-000
Control Unit VCU (3 or 5 ports)	VCUXX-003XX0-000
Control Unit BCU (3 ports)	BCUX3-XX3100-0000
Foot switch STJ (1-3 channels)	STJ0X-XXXXXX-XX00
Hand switch EHA3 (1-5 channels)	EHA3X-23MXXN-000

Accessories

Description	Part number
Top mounting plate	SPL-290268
Bottom mounting plate	SPL-290265
Screw (4/plate) for mounting plate	ZBE-510707

© SKF is a registered trademark of the SKF Group.
© SKF Group 2014
The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.
PUB MT/14 13960 EN - February 2014



Telescopic pillar

CAWA linear drive profile

Benefits

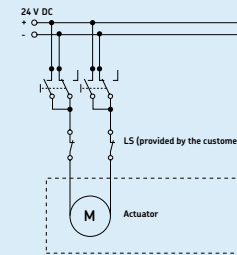
- Compact
- Lubricated for service life
- High operating reliability
- Selection of front attachments
- Powerful



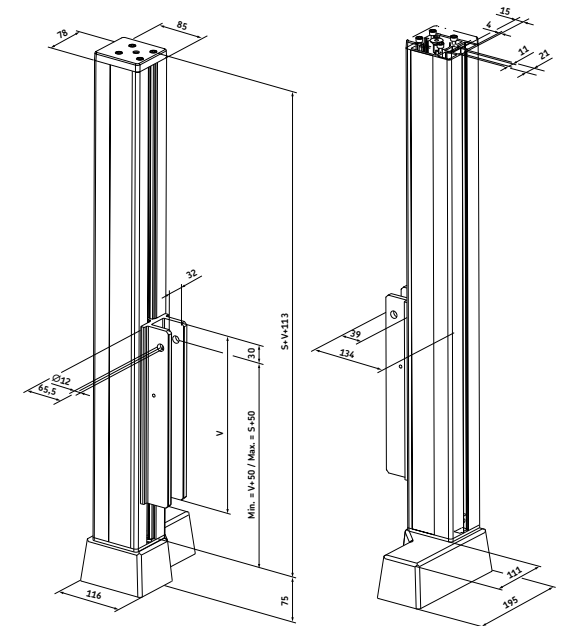
CAWA

Telescopic pillars DC versions

Connecting diagram



Dimensional drawing

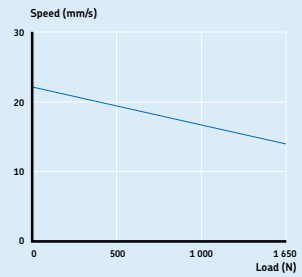


Legend:
S = stroke
L = retracted length
V = carriage (295, 395 or 495 mm)

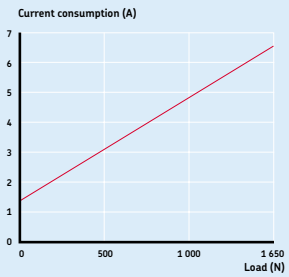
Technical data

	Unit	CAWA
Rated push load	N	1 650
Rated pull load	N	0
Speed (full load to no load)	mm/s	14 to 22
Telescopic pillar version	#of section	N/A
Stroke	mm	500 to 1 000
Retracted length	mm	S+V+113+75
Voltage	V DC	24
Power	W	132
Current	A	5,5
Duty cycle: intermittent operation	min.	1 min./9 min.
Ambient temperature	°C	+5 to +40
Type of protection	IP	20
Protection class	-	SELV
Type of control	-	electrical
Weight	kg	10 to 15

Performance diagrams



Speed-load diagram



Current-load diagram

Ordering key

CAWA [] [] X [] [] [] 24 000

Type

Stroke (S):

50 mm	0500
600 mm	0600
700 mm	0700
800 mm	0800
900 mm	0900
1 000 mm	1000

Carriage (V):

295 mm	295
395 mm	395
495 mm	495

Motor bracket:

Yes	
No	K 0

Cover:

Yes	
No	F 0

Voltage (V DC):

24

© SKF is a registered trademark of the SKF Group

© SKF Group 2010

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB MT/P8 10824 EN · May 2010



Telescopic pillar

TMS

Benefits

- High bending load

Standards

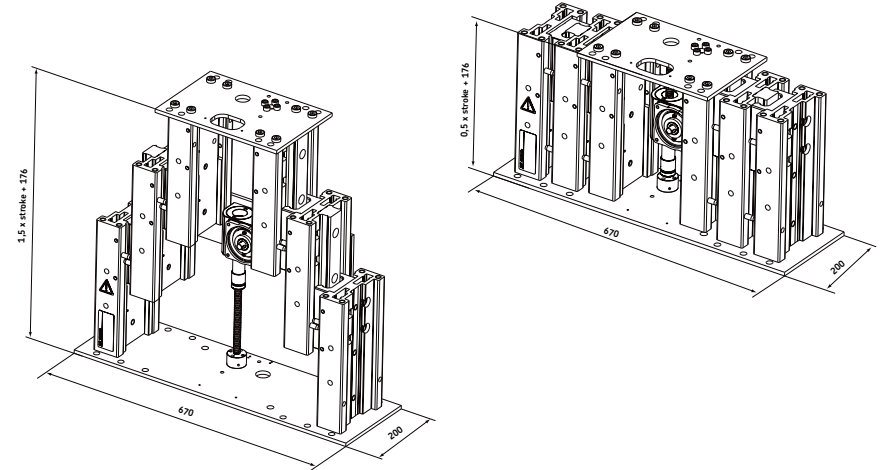
- EN/IEC 60601-1
- UL 60601-1



TMS

Telescopic pillars no motor

Dimensional drawing

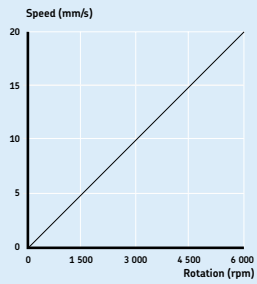


Legend:
S = stroke
L = retracted length

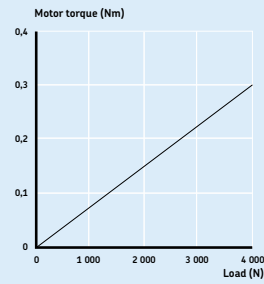
Technical data

	Unit	TMS 00
Push load	N	4 000
Pull load	N	4 000
Speed	mm/s	N/A
Stroke	mm	250 to 700
Retracted length	mm	$5 \times 0,5 + 176$
Duty cycle: intermittent operation	min.	1 min./9 min.
Duty cycle: short-time operation	min.	N/A
Ambient temperature	°C	+10 to +40
Weight	kg	61 to 82

Performance diagrams

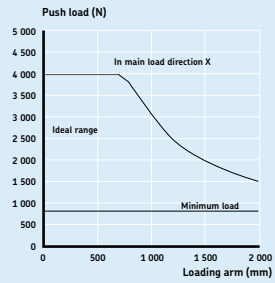


Speed-rotational diagram



Torque-load diagram

Bending load diagram



Ordering key

TMS 00-000000-00

Type

Stroke (S):

- 250 mm
- 300 mm
- 350 mm
- 400 mm
- 450 mm
- 500 mm
- 550 mm
- 600 mm
- 650 mm
- 700 mm

- 250
- 300
- 350
- 400
- 450
- 500
- 550
- 600
- 650
- 700

Options written in italic fonts are only available on demand. Please contact SKF

© SKF is a registered trademark of the SKF Group

© SKF Group 2009

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

Printed in Sweden on environmentally friendly paper.

PUB L5322,4100 EN - October 2009



Telescopic pillar

FRE

Benefits

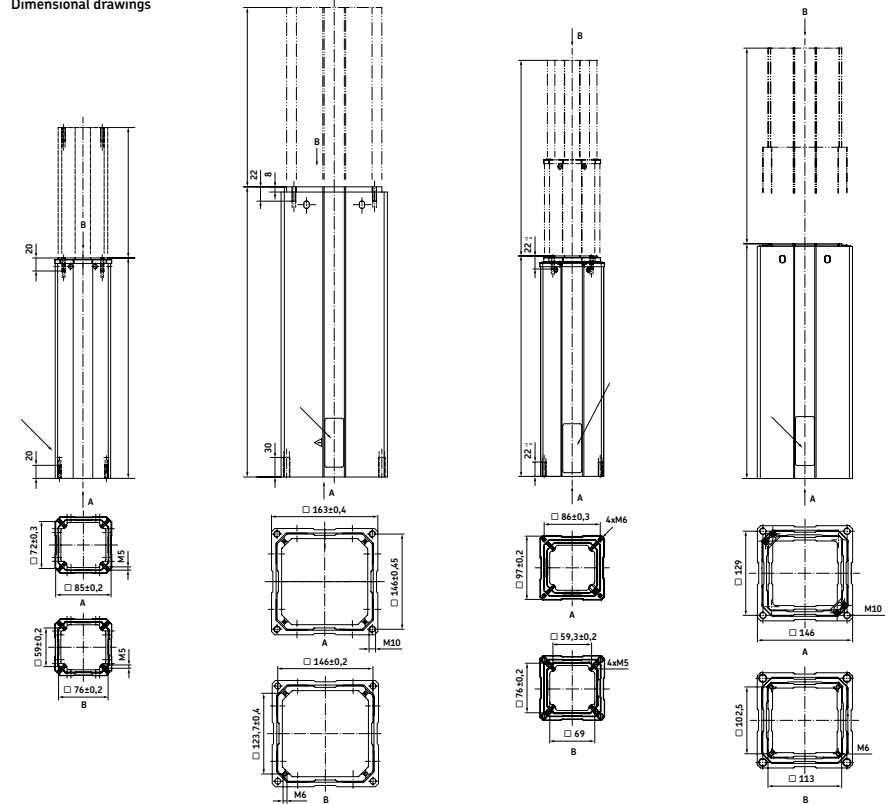
- Attractive design
- Stable
- Universal use



FRE

Telescopic pillars no motor

Dimensional drawings



Type	Sections	Profile dimensions in mm	Retracted length in mm
	2 sections		
	3 sections	76 x 76	Stroke + 138
		85 x 85	Stroke + 148
		97 x 97	Stroke + 168
		113 x 113	Stroke + 38
		129 x 129	Stroke + 53
		146 x 146	Stroke + 53
		163 x 163	N/A
FRE-A085	X		N/A
FRE-A113	X		N/A
FRE-A146	X		N/A
FRE-D097	X		N/A
FRE-D129	X		N/A
FRE-D163	X		N/A
FRE-B097	X		N/A
FRE-B129	X		N/A
FRE-B163	X		N/A
FRE-E113	X		N/A
FRE-E146	X		N/A

Options written in italic fonts are only available on demand. Please contact SKF

Telescopic pillars no motor

FRE

Ordering key

F R E - [] [] [] [] - [] [] [] [] - 0 0 0

Type

Combination:

2 sections tube-set /Largest tube size

85x85 mm	A085
113x113 mm	A113
146x146 mm	A146
97x97 mm	B097
129x129 mm	B129
163x163 mm	B163

3 sections tube-set /Largest tube size

97x97 mm	D097
129x129 mm	D129
163x163 mm	D163
113x113 mm	E113
146x146 mm	E146

4 sections tube-set (on request)

V

5 sections tube-set (on request)

F

6 sections tube-set (on request)

S

7 sections tube-set (on request)

Z

Color:

Natural anodized	5
Black anodized	6

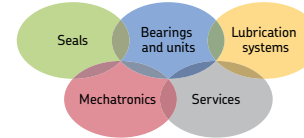
Option:

No option	000
Cover	MCM
Pull version	MCN
Pull version, with cover	2EA

Stroke:

200 mm	20
300 mm	30
400 mm	40
500 mm	50
600 mm	60
700 mm	70
<i>Other stroke lengths</i>	---

Options written in italic fonts are only available on demand. Please contact SKF



The Power of Knowledge Engineering

Drawing on five areas of competence and application-specific expertise amassed over more than 100 years, SKF brings innovative solutions to OEMs and production facilities in every major industry worldwide. These five competence areas include bearings and units, seals, lubrication systems, mechatronics (combining mechanics and electronics into intelligent systems), and a wide range of services, from 3-D computer modelling to advanced condition monitoring and reliability and asset management systems. A global presence provides SKF customers uniform quality standards and worldwide product availability.

