



## GEIGER TECline

### Product Datasheet



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## THE TECline SERIES WITH MECHANICAL END STOP

### Tubular motor TECline

The drive is characterized by its reliable and proven components and the safe and quick assembly.

### Assembly

Our proven SOC clip bearings, our roller bearings as well as the 12 mm square bearings are available. Due to the star-shaped design of the motor head, already existing bearings can also be used.

All common adapters and driver sets of the SOLIDline series can be used.

### Setting the end positions

You do not need a setting cable to set the end positions. The adjustment is made by turning the two independent adjusting screws for the upper and lower end position.

As a tool you need a 4 mm Allen key or you use the supplied adjustment aid.



# SLIM.TECl ine Spindle

## MECHANICAL TUBULAR MOTOR Ø 35 MM



### Application:



Rolling shutters



Screens



Facade awnings

### Characteristics:

#### Wind proof

The Spindle has no blocking detection. This means that in the event of a wind alarm, the sun protection quickly moves to its protected upper end position despite strong gusts of wind. The installation remains undamaged.

### Product advantages:

- Mechanical limit switch
- Fixed connection cable with open end
- Fast setting of the end positions via precise spindle switch-off by means of inbus screws

### Option:

- Available up to 10 Nm

### Technical data:

Technical data tubular motor SLIM.TECl ine Spindle (GB35S-../..)		
	GB35S-06/26	GB35S-10/17
Voltage	230V~/50 Hz	
Current	0,54 A	0,54 A
Cos Phi (cosφ)	>0,95	
Inrush current (factor)	x 1,2	
Power	120 W	120 W
Torque	6 Nm	10 Nm
Speed of rotation	26 rpm	17 rpm
Protection type	IP 44	
Total length [l] <sup>1)</sup>	451 mm	
Operating type	S2 4 min	
Sound pressure level	39 dB(A)	
Diameter	35 mm	
Limit switch range	30 rotations	
Weight <sup>2)</sup>	ca. 1,50 kg	ca. 1,50 kg
Air humidity	dry and non-condensing place	
Storage temperature	T = -15°C .. +70°C	

<sup>1)</sup> Length of the radio version: + 120 mm

<sup>2)</sup> Weight of the radio version: + 0,10 kg

Subject to technical modifications. Please find information to the ambient temperature range of our GEIGER motors under [www.geiger.de](http://www.geiger.de)

## SLIM.TECl ine SpindleRadio

SLIM.TECl ine Spindle IS ALSO AVAILABLE AS A RADIO VERSION FOR CONVENIENT OPERATION.

The end positions are set using the known spindle screws with a 4 mm Allen key. The opening and closing of the systems is convenient and easy with the new, elegant hand-held transmitters.



# PRO.TECl ine Spindle

## MECHANICAL TUBULAR MOTOR Ø 45 MM



### Application:



Rolling shutters



Screens



Awnings



Facade awnings

### Characteristics:

#### Wind proof

The Spindle has no blocking detection. This means that in the event of a wind alarm, the sun protection quickly moves to its protected upper end position despite strong gusts of wind. The installation remains undamaged.

### Product advantages:

- Mechanical limit switch
- Fixed connection cable with open end
- Fast setting of the end positions via precise spindle switch-off by means of inbus screws

### Option:

- Available up to 50 Nm

### Technical data:

Technical data tubular motor PRO.TECl ine Spindle (GB45S-../..)					
	GB45S-10/15	GB45S-20/15	GB45S-30/15	GB45S-40/15	GB45S-50/12
Voltage	230V~/50Hz				
Current	0,47 A	0,63 A	0,80 A	1,00 A	1,00 A
Cos Phi (cosφ)	>0,95				
Inrush current (factor)	x 1,2				
Power	105 W	140 W	180 W	220 W	220 W
Torque	10 Nm	20 Nm	30 Nm	40 Nm	50 Nm
Speed of rotation	15 rpm	15 rpm	15 rpm	15 rpm	12 rpm
Protection type	IP 44				
Total length [l] <sup>1)</sup>	438 mm	458 mm	488 mm	518 mm	518 mm
Operating type	S2 4 min				
Sound pressure level	39 dB(A)				
Diameter	45 mm				
Limit switch range	22 rotations				
Weight <sup>2)</sup>	ca. 1,90 kg	ca. 2,00 kg	ca. 2,20 kg	ca. 2,40 kg	ca. 2,40 kg
Air humidity	dry and non-condensing place				
Storage temperature	T = -15°C .. +70°C				

<sup>1)</sup> Length of the radio version: 10 Nm, 20 Nm and 30 Nm + 120 mm / 40 Nm and 50 Nm + 110 mm

<sup>2)</sup> Weight of the radio version: + 0,10 kg

Subject to technical modifications. Please find information to the ambient temperature range of our GEIGER motors under [www.geiger.de](http://www.geiger.de)

## PRO.TECl ine SpindleRadio

PRO.TECl ine Spindle IS ALSO AVAILABLE AS A RADIO VERSION FOR CONVENIENT OPERATION.

The end positions are set using the known spindle screws with a 4 mm Allen key. The opening and closing of the systems is convenient and easy with the new, elegant hand-held transmitters.



# PRO.TECl ine SuperSilent

## MECHANICAL TUBULAR MOTOR Ø 45 MM



### Application:



Rolling shutters



Screens



Facade awnings

### Characteristics:

#### SuperSilent

Super-quiet tubular motor with a noise level of 30 dB(A) especially suitable for indoor use.

#### Wind proof

The PRO.TECl ine SuperSilent has no blocking detection. This means that in the event of a wind alarm, the sun protection quickly moves to its protected upper end position despite strong gusts of wind. The installation remains undamaged.

### Product advantages:

- Mechanical limit switch
- Fixed connection cable with open end
- Fast setting of the end positions via precise spindle switch-off by means of inbus screws

### Option:

- Available up to 10 Nm

### Technical data:

Technical data tubular motor PRO.TECl ine SuperSilent (GB45SS-../..)		
	GB45SS-06/26	GB45SS-10/17
Voltage	230V~/50 Hz	
Current	0,54 A	0,54 A
Cos Phi (cosφ)	>0,95	
Inrush current (factor)	x 1,2	
Power	120 W	120 W
Torque	6 Nm	10 Nm
Speed of rotation	26 rpm	17 rpm
Protection type	IP 44	
Total length [l] <sup>1)</sup>	598 mm	
Operating type	S2 4 min	
Sound pressure level	30 dB(A)	
Diameter	45 mm	
Limit switch range	22 rotations	
Weight <sup>2)</sup>	ca. 2,50 kg	
Air humidity	dry and non-condensing place	
Storage temperature	T = -15°C .. +70°C	

<sup>1)</sup> Length of the radio version: + 120 mm

<sup>2)</sup> Weight of the radio version: + 0,10 kg

Subject to technical modifications. Please find information to the ambient temperature range of our GEIGER motors under [www.geiger.de](http://www.geiger.de)

## PRO.TECl ine SuperSilentRadio

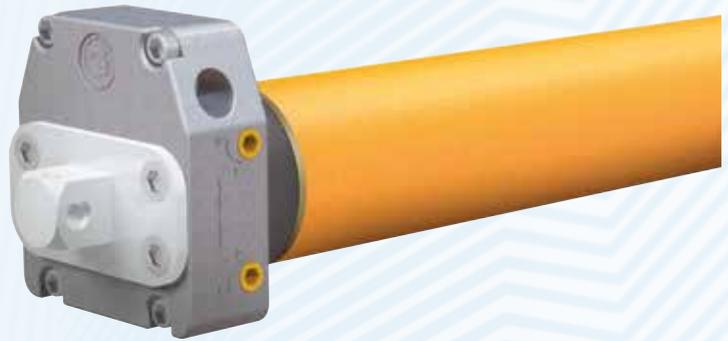
PRO.TECl ine SuperSilent IS ALSO AVAILABLE AS A RADIO VERSION FOR CONVENIENT OPERATION.

The end positions are set using the known spindle screws with a 4 mm Allen key. The opening and closing of the systems is convenient and easy with the new, elegant hand-held transmitters.



# PRO.TECl ine Spindle NHK

## MECHANICAL MANUAL OVERRIDE CRANK TUBULAR MOTOR Ø 45 MM



### Application:



Rolling shutters



Awnings



Screens



Cassette awnings



Facade awnings

### Characteristics:

#### Manual override crank system

Especially for use with hand crank. This means that the sun protection can be retracted at any time using a standard crank despite a power failure.

#### Wind proof

The PRO.TECl ine NHK has no blocking detection. This means that in the event of a wind alarm, the sun protection quickly moves to its protected upper end position despite strong gusts of wind. The installation remains undamaged.

### Product advantages:

- Mechanical limit switch
- Fixed connection cable with open end
- Fast setting of the end positions via precise spindle switch-off by means of inbus screws
- With narrow MOR head (only 32 mm)

### Option:

- Available up to 50 Nm

### Technical data:

Technical data tubular motor PRO.TECl ine Spindle NHK (GB45M-../..)					
	GB45M-10/15	GB45M-20/15	GB45M-30/15	GB45M-40/15	GB45M-50/12
Voltage	230 V~ / 50 Hz				
Current	0,47 A	0,63 A	0,80 A		
Cos Phi (cosφ)	>0,95				
Inrush current (factor)	x 1,2				
Power	105 W	140 W	180 W		
Torque	10 Nm	20 Nm	30 Nm		
Speed of rotation	15 rpm	15 rpm	15 rpm		
Protection type	IP 44			In preparation	
Total length [l] <sup>1)</sup>	528 mm	548 mm	568 mm		
Operating type	S2 4 min				
Sound pressure level	39 dB(A)				
Diameter	45 mm				
Limit switch range	22 rotations				
Crank reduction	26:1				
Weight <sup>2)</sup>	ca. 2,20 kg	ca. 2,30 kg	ca. 2,50 kg		
Air humidity	dry and non-condensing place				
Storage temperature	T = -15°C .. +70°C				

<sup>1)</sup> Length of the radio version: 10 Nm, 20 Nm and 30 Nm + 120 mm / 40 Nm and 50 Nm + 110 mm <sup>2)</sup> Weight of the radio version: + 0,10 kg  
Subject to technical modifications. Please find information to the ambient temperature range of our GEIGER motors under [www.geiger.de](http://www.geiger.de)

## PRO.TECl ine SpindleRadio NHK

PRO.TECl ine Spindle NHK IS ALSO AVAILABLE AS A RADIO VERSION FOR CONVENIENT OPERATION.

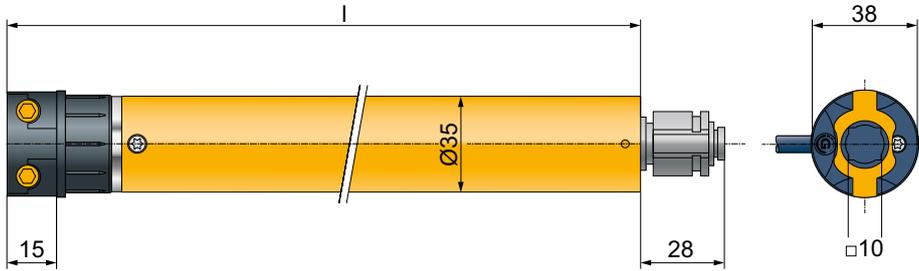
The end positions are set using the known spindle screws with a 4 mm Allen key. The opening and closing of the systems is convenient and easy with the new, elegant hand-held transmitters.



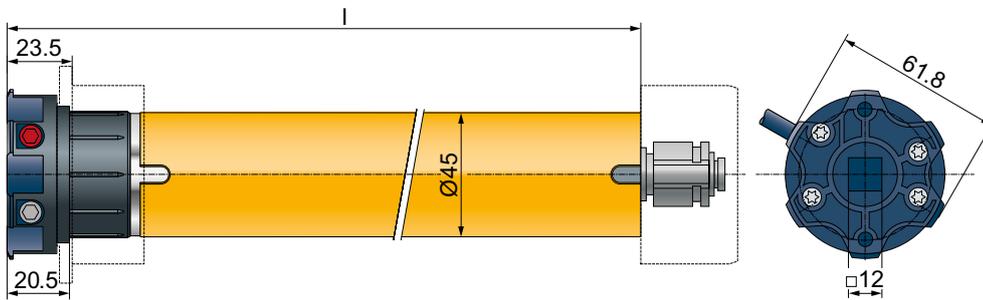
# TECHNICAL DRAWINGS

## TECline

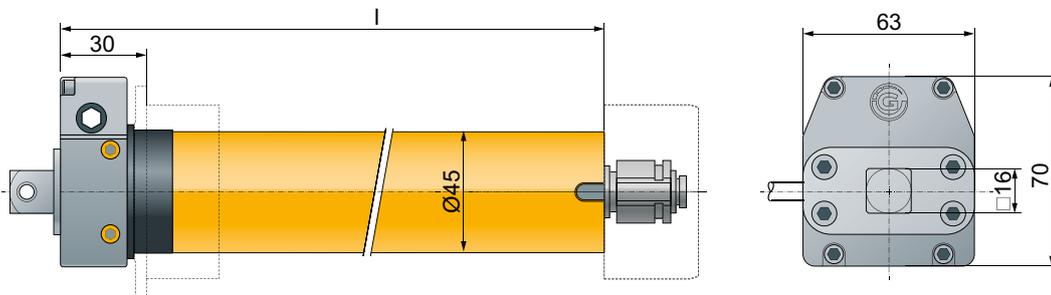
SLIM.TECline S/R (Spindle/SpindleRadio)



PRO.TECline S/R/SS/SR (Spindle/Radio/SuperSilent/SuperSilentRadio)



PRO.TECline M/MR (Spindle NHK/SpindleRadio NHK)



# HANDHELD TRANSMITTER GFB... FOR THE 2<sup>ND</sup> GENERATION OF GEIGER RADIO



## Handheld transmitter GFB001/2

Elegant and handy 1-channel handheld transmitter with a high-gloss finish for indoor use.

### Characteristics:

	GFB001	GFB002
Colour	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black
Channel	1	

### Technical data:

Transmission frequency	433,92 MHz
Transmission power	6 dBm
Temperature range	-0°C to +60°C
Batteries	2x Micro 1,5 V, Type AAA
Dimensions	95 x 42 x 20 mm

Subject to technical modifications



## Comfort 15-channel handheld transmitter with timer GFB011/12

Elegant 15-channel handheld transmitter with a high-gloss finish for indoor use.

- Any number of receivers can be assigned to these 15 different channels
- Large keys for easy navigation and intuitive operation
- Multifunction keys to perform the functions shown on the display, for ex. sun automatic on/off

### Characteristics:

	GFB011	GFB012
Colour	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black
Channels	15	
Timer	6 timers per channel	

### Technical data:

Display size	2", 240 x 320 px
Transmission frequency	433,92 MHz
Transmission power	6 dBm
Temperature range	-0°C to +60°C
Batteries	2x Mignon 1,5 V, Type AA
Dimensions	167 x 50 x 30 mm

Subject to technical modifications



## EXTERNAL RADIO RECEIVER GRE... FOR THE 2<sup>ND</sup> GENERATION OF GEIGER RADIO



### External receiver GRE001

External radio control with Hirschmann connection on both sides.

#### Technical data:

	GRE001
Frequency	433,92 MHz
Temperature range	-0°C to +60°C
Protection type	IP 54
Dimensions	135 x 35 x 35 mm

Subject to technical modifications



### External receiver GRE002

Flush-mounted radio control for TECLine motors.

#### Technical data:

	GRE002
Frequency	433,92 MHz
Temperature range	-0°C to +60°C
Protection type	IP 20
Dimensions	50 x 50 x 30 mm

Subject to technical modifications



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