



GEIGER TECline

Product Datasheet



GEIGER
ANTRIEBSTECHNIK

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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 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.TECline 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.TECline Spindle (GB35S-../..)		
	GB35S-06/26	GB35S-10/17
Voltage	230 V~ / 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] ¹⁾	451 mm	
Operating type	S2 4 min	
Sound pressure level	39 dB(A)	
Diameter	35 mm	
Limit switch range	30 rotations	
Weight ²⁾	ca. 1,50 kg	ca. 1,50 kg
Air humidity	dry and non-condensing place	
Storage temperature	T = -15°C .. +70°C	

¹⁾ Length of the radio version: + 120 mm

²⁾ 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

SLIM.TECline SpindleRadio

SLIM.TECline 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.TECline 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.TECline 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] ¹⁾	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 ²⁾	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				

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

²⁾ 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

PRO.TECline SpindleRadio

PRO.TECline 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.TECline 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.TECline 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.TECline 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] ¹⁾	598 mm	
Operating type	S2 4 min	
Sound pressure level	30 dB(A)	
Diameter	45 mm	
Limit switch range	22 rotations	
Weight ²⁾	ca. 2,50 kg	
Air humidity	dry and non-condensing place	
Storage temperature	T = -15°C .. +70°C	

¹⁾ Length of the radio version: + 120 mm

²⁾ 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

PRO.TECline SuperSilentRadio

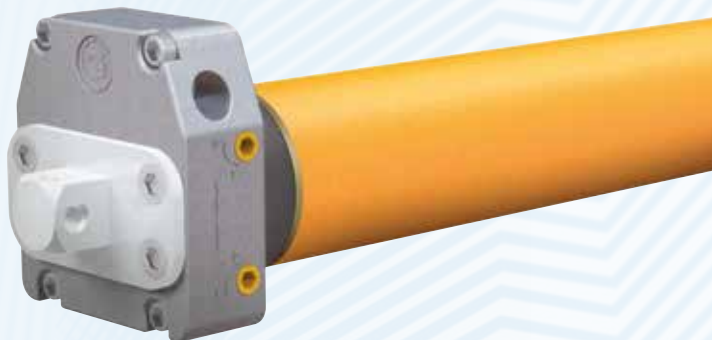
PRO.TECline SuperSilent IS ALSO AVAILABLE AS A RADIO VERSION FOR CONVENIENT OPERATION.

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.TEcline 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.TEcline 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.TEcline Spindle NHK (GB45M-../..)					
	GB45M-10/15	GB45M-20/15	GB45M-30/15	GB45M-40/15	GB45M-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] ¹⁾	528 mm	548 mm	568 mm	588 mm	588 mm
Operating type	S2 4 min				
Sound pressure level	39 dB(A)			48 dB(A)	48 dB(A)
Diameter	45 mm				
Limit switch range	22 rotations				
Crank reduction	26:1				
Weight ²⁾	ca. 2,20 kg	ca. 2,30 kg	ca. 2,50 kg	ca. 2,70 kg	ca. 2,70 kg
Air humidity	dry and non-condensing place				
Storage temperature	T = -15°C .. +70°C				

¹⁾ Length of the radio version: 10 Nm, 20 Nm and 30 Nm + 120 mm / 40 Nm and 50 Nm + 110 mm ²⁾ 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

PRO.TEcline SpindleRadio NHK

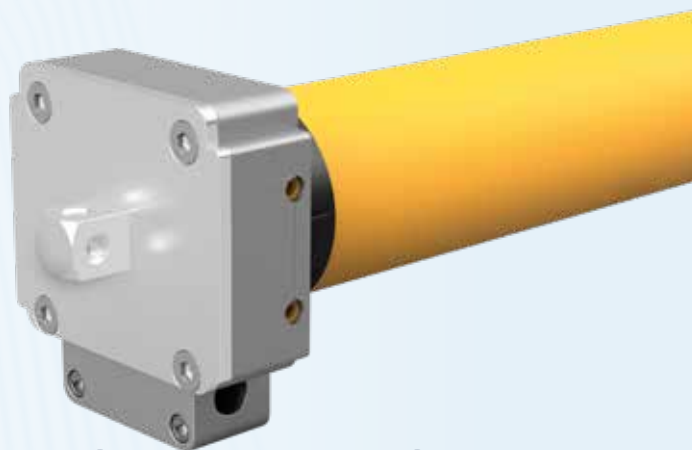
PRO.TEcline Spindle NHK IS ALSO AVAILABLE AS A RADIO
VERSION FOR CONVENIENT OPERATION.

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.



POWER.TECline Spindle NHK

MECHANICAL MANUAL OVERRIDE CRANK TUBULAR MOTOR Ø 59 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 POWER.TECline 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 140 Nm

Technical data:

Technical data tubular motor POWER.TECline Spindle NHK (GB59M-../..)				
	GB59M-80/12	GB59M-100/12	GB59M-120/09	GB59M-140/09
Voltage	230 V~ /50 Hz			
Current	1,20 A	1,65 A	1,20 A	1,65 A
Cos Phi (cosφ)	>0,95			
Inrush current (factor)	x 1,2			
Power	270 W	365 W	270 W	365 W
Torque	80 Nm	100 Nm	120 Nm	140 Nm
Speed of rotation	12 rpm	12 rpm	9 rpm	9 rpm
Protection type	IP 44			
Total length [l] ¹⁾	678 mm	678 mm	678 mm	678 mm
Operating type	S2 4 min			
Sound pressure level	48 dB(A)			
Diameter	59 mm			
Limit switch range	24 rotations			
Crank reduction	45:1			
Weight ²⁾	ca. 6,40 kg	ca. 6,40 kg	ca. 6,40 kg	ca. 6,40 kg
Air humidity	dry and non-condensing place			
Storage temperature	T = -15°C .. +70°C			

¹⁾ Length of the radio version: 120 m ²⁾ 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

POWER.TECline SpindleRadio NHK

POWER.TECline Spindle NHK IS ALSO AVAILABLE AS A RADIO VERSION FOR CONVENIENT OPERATION.

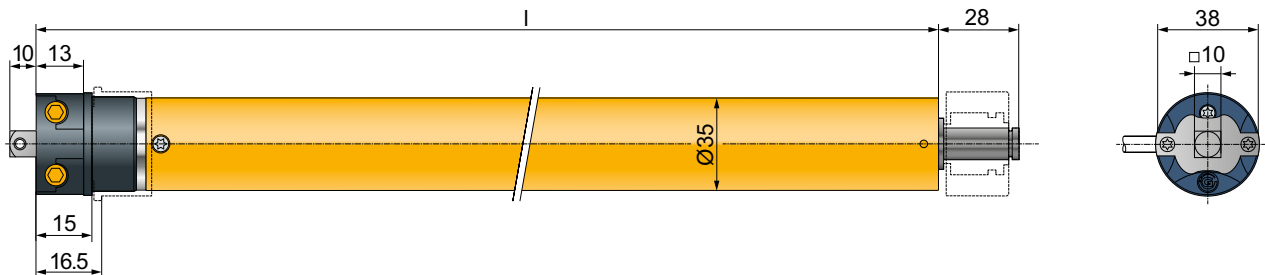
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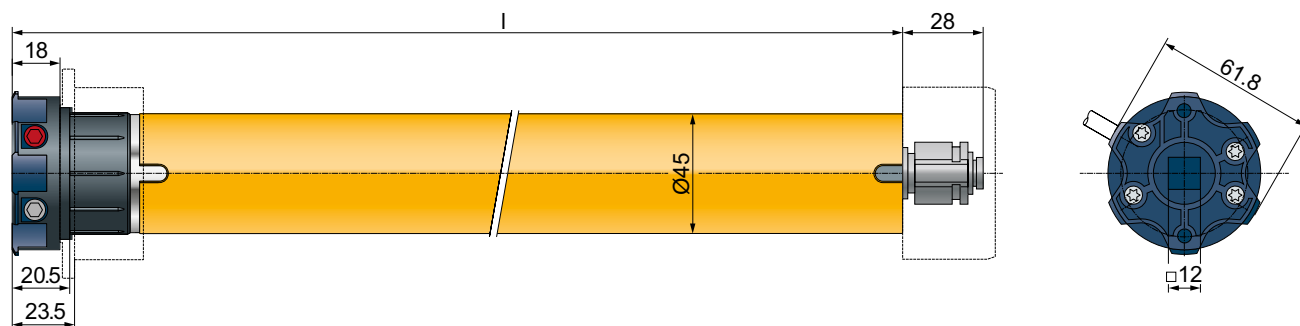
TECHNICAL DRAWINGS

TECline

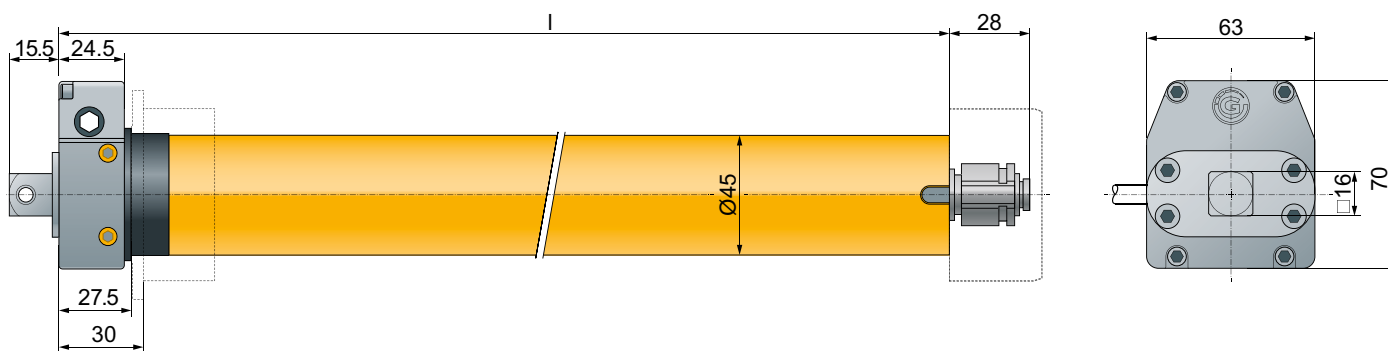
SLIM.TECline S/R (Spindle/SpindleRadio)



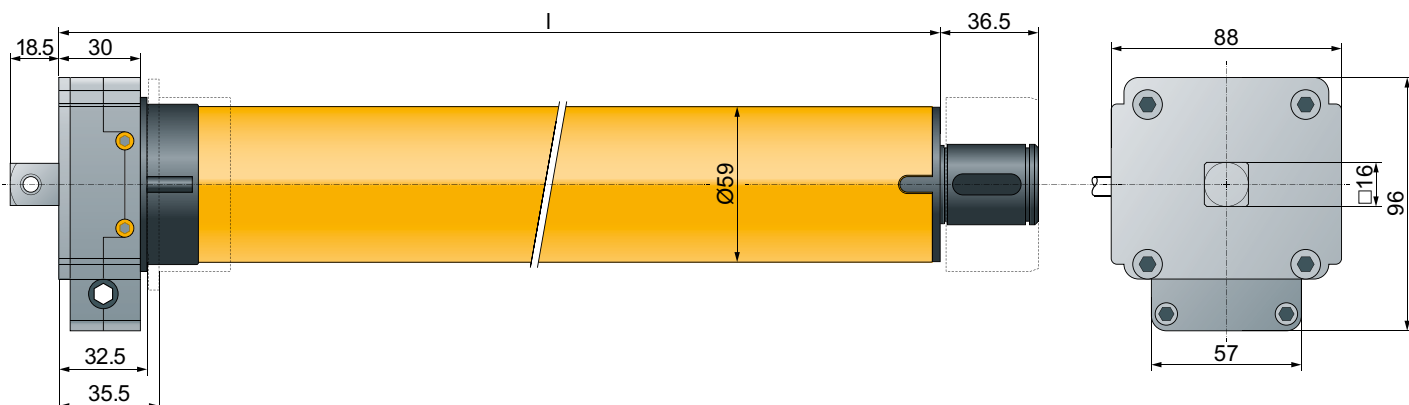
PRO.TECline S/R/SS/SR (Spindle/Radio/SuperSilent/SuperSilentRadio)



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



POWER.TECline M/MR (Spindle/SpindleRadio)



HANDHELD TRANSMITTER GFB... FOR THE 2ND GENERATION OF GEIGER RADIO



Handheld transmitter GFB00.

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 GFB01.

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

