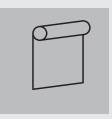
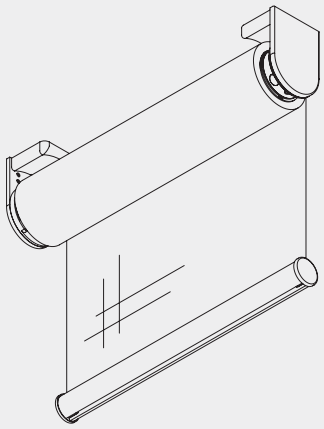
# Roller Blind Systems



## Motorised Roller Blind System

# Silent Gliss® 4960

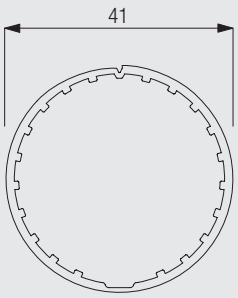




### Product Information

- Medium duty motorised roller blind system for contract and residential applications
- Fixed switch or optional radio remote control
- The system can be used as a single or connected double system with one motor
- Progressive limit switch unit for easy setting and consistent positioning
- Easy ceiling, wall or recess fix
- Optional continuous installation profile with click in brackets for fast fixing on site
- Side-by-side/double version with centre support bracket and minimal light gap
- Side guide option available
- Choice of bottom bar designs
- Optional metal design brackets with or without continuous headrail
- Quiet and fast mains powered motor
- Optional 24V DC motor available
- Can be combined with Radio Remote Control System Silent Gliss 9940/0450

## Profile and Specification Information

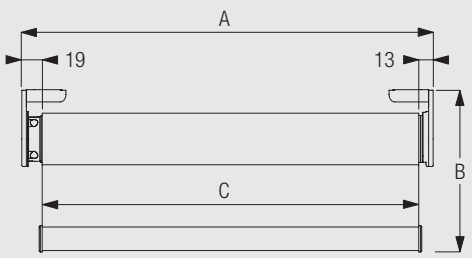



10532

Specification Guide - download from the Silent Gliss Website (password required) www.silentgliss.co.uk
Electrically operated roller blind system 4960. Assembled complete with anodised aluminium headrail and 10542/10543 bracket set for wall or ceiling fixing. White bracket covers 10574 and 10575 supplied as standard. Double (connected) system option using bracket 10626 or side-by-side (unconnected) system using intermediate cover 10632. White/silver aluminium bottom weight bar 4221 with endcovers 10639 as standard (other shape options available). Powered by 230V 50Hz double insulated motor situated left side incorporating a progressive limit switch unit (24V DC motor option also available). Provided with in-line connector 0766 as standard.

## How to Measure

### Single system

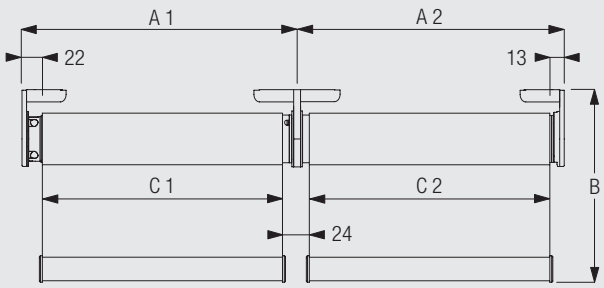



A: system width (inside recess includes bracket covers)
B: system drop
C: fabric width

Please note:
- OUTSIDE recess does not include bracket covers, please add 4mm.
- measurements differ when side-guide option is used.

4960

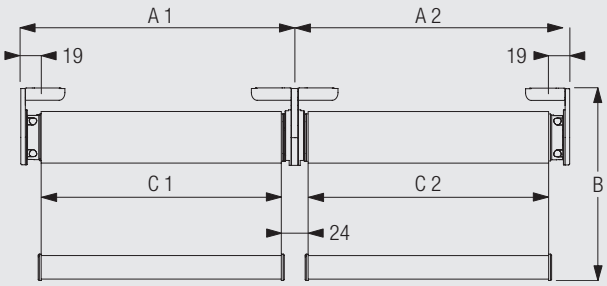
### Double (connected) systems (only possible with 230V motors) - not available with design bracket option




A: system width (inside recess includes bracket covers)
B: system drop
C: fabric width

Please note:
- OUTSIDE recess does not include bracket covers, please add 4mm.
- measurements differ when side-guide option is used.

## Side-by-side systems (unconnected)




A: system width (inside recess includes bracket covers)
B: system drop
C: fabric width

Please note:
- OUTSIDE recess does not include bracket covers, please add 4mm.
- measurements differ when side-guide option is used.

# System Dimensions

| max. | min. | max. | $m^2$ max. | kg max. |
|---|---|---|---|---|
| Single system: 2.4m<br>Double System (connected) with 230V motor only: 4.8m | Motor 230V: 61cm<br>Motor 24V DC 50cm | 4m | Single system: 9.6m²<br>Double system 19.2m² | 5.5kg |

Maximum system width to drop ratio should not exceed 3.5:1

Please note: maximum system width/drop also depends on the fabric type.

## Maximum system drop

**Wall fitting:**

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fabric thickness | mm | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.55 | 0.60 | 0.65 | 0.70 | 0.75 | 0.80 |
| Max. system drop | cm | 400 | 400 | 400 | 400 | 400 | 400 | 390 | 350 | 320 | 290 | 270 | 250 | 230 | 220 |

**Ceiling fitting:**

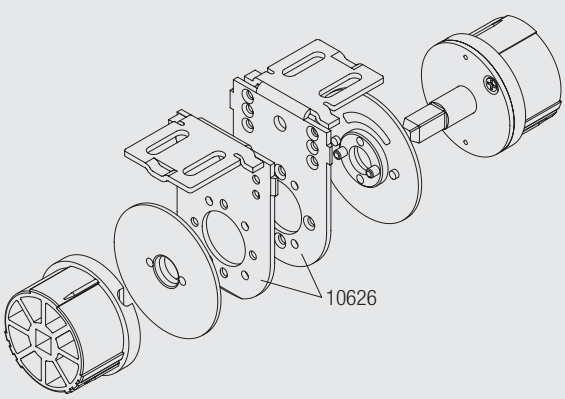
| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fabric thickness | mm | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.55 | 0.60 | 0.65 | 0.70 | 0.75 | 0.80 |
| Max. system drop | cm | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 380 | 350 | 330 | 300 | 280 |

To obtain fabric thickness information for a specific Silent Gliss fabric, please refer to the Silent Gliss fabric binder or contact Silent Gliss.



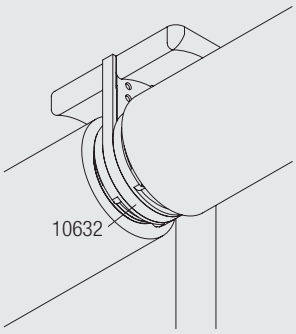
# System Options

## Double (connected) systems with centre support brackets 10626 (only possible with 230V motors)




The optional centre support bracket allows two connected systems to be powered by one motor. It can also be combined with continuous installation profile for easy on-site fixing.

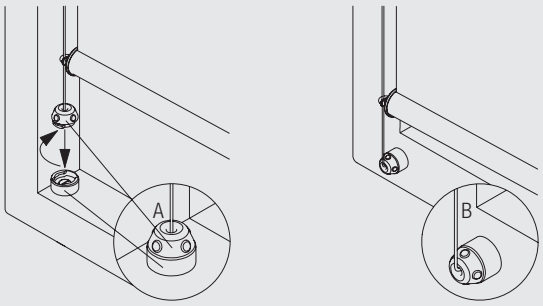
## Side-by-side systems (unconnected)



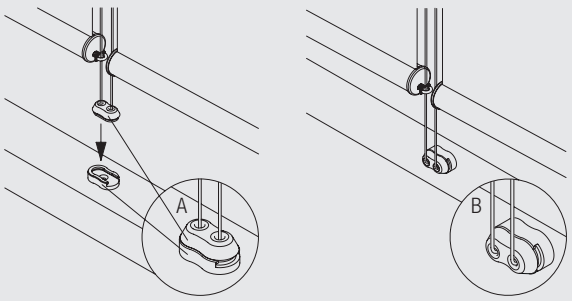

10632 Intermediate cover

## Side guides for stabilising blind systems and sloped applications (up to 15° incline)

Single system




Double system




A: Fitting of side guides inside window frame
B: Fitting of side guides to front of window frame

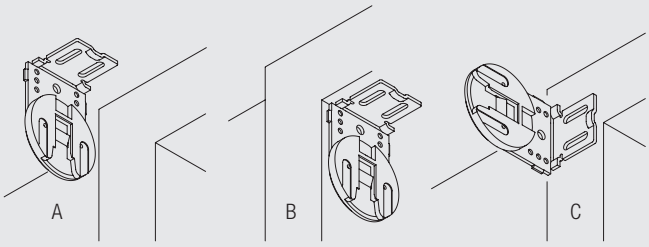


## Optional box fascia

System 4960 is available with an optional box fascia. Please contact Silent Gliss for further details.

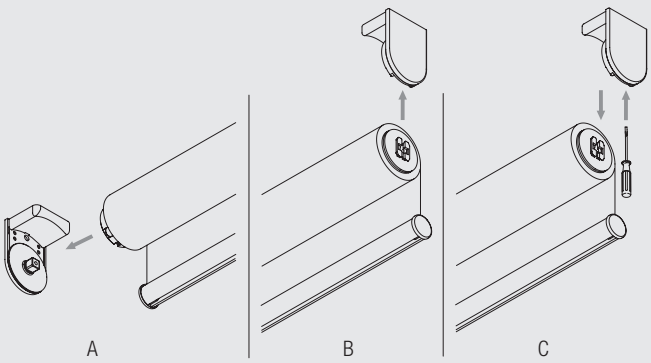
# Fitting Information

## Positioning of system



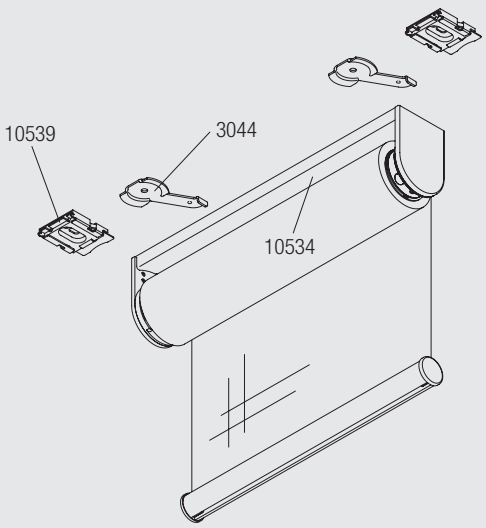

A: Ceiling Fixing
B: Recess Fixing
C: Wall Fixing

## Easy loading and removal of the blind




A: Insert roller blind into support bracket (drive side)
B: Click roller blind into support bracket (click side)
C: Use small screwdriver to remove roller blind

## Alternative fixing with continuous installation profile (optional)




System is pre-mounted on continuous installation profile 10534 for fast fitting on site. Just mount the system with pre-fixed clamps 3044 or click brackets 10539.

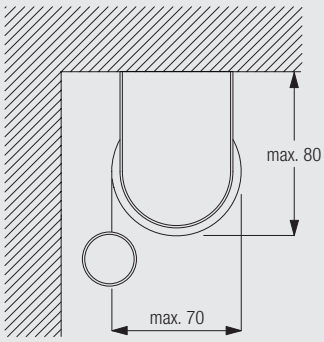
Please note: click brackets 10539 cannot be used with double (connected) systems.

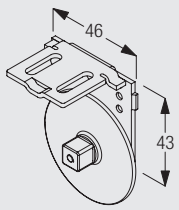


# Fitting Options

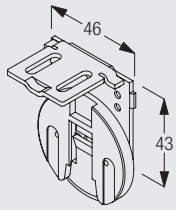
CAD download available from www.silentgliss.co.uk (password required)

## Ceiling fix with brackets

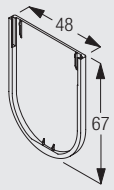


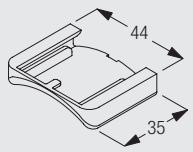

10542
Support bracket drive side




10543
Support bracket click side



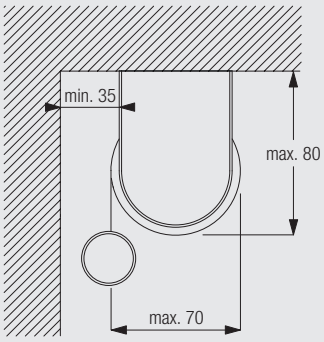

10574
Cover

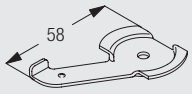



10575
Cover

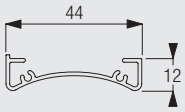
All measurements are based on the maximum system dimensions.

## Ceiling fix with optional installation profile and clamps 3044

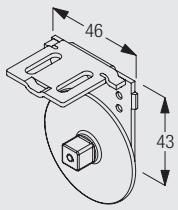


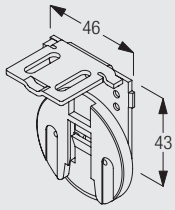

3044
Clamp



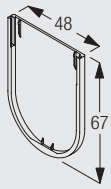

10534
Profile




10542
Support bracket drive side



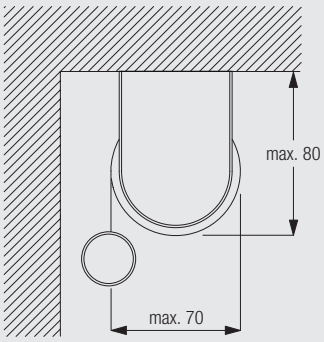

10543
Support bracket click side

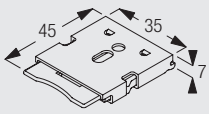



10574
Cover

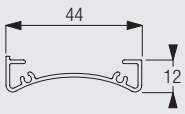
All measurements are based on the maximum system dimensions.

## Ceiling fix with optional installation profile and click bracket 10539

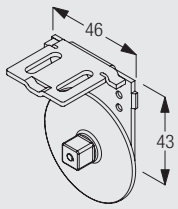


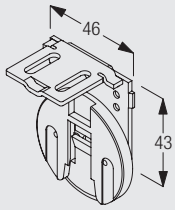

10539
Click bracket



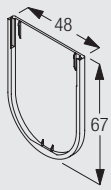

10534
Profile




10542
Support bracket drive side




10543
Support bracket click side

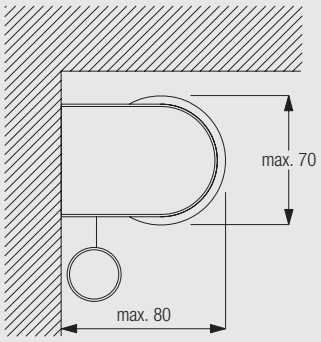


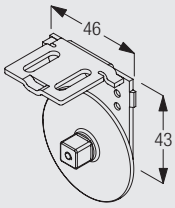

10574
Cover

All measurements are based on the maximum system dimensions.

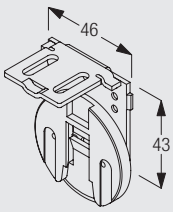
Please note: this fitting option is not possible with double (connected) systems.

## Wall fix with brackets

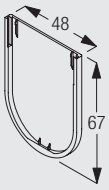


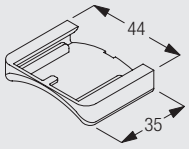

10542
Support bracket drive side




10543
Support bracket click side



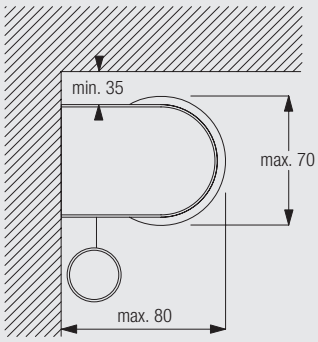

10574
Cover

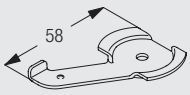



10575
Cover

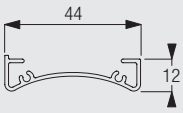
All measurements are based on the maximum system dimensions.

## Wall fix with optional installation profile and clamps 3044

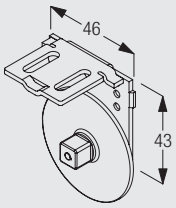


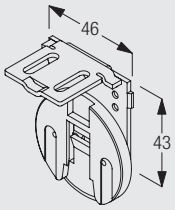

3044
Clamp



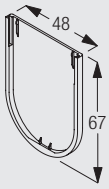

10534
Profile




10542
Support bracket drive side



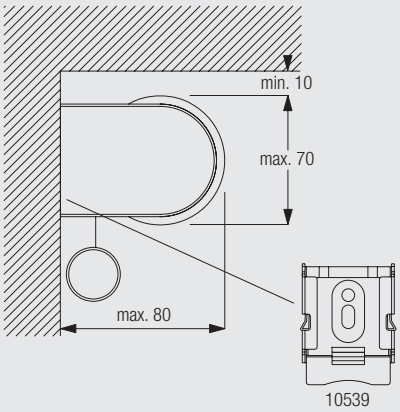

10543
Support bracket click side

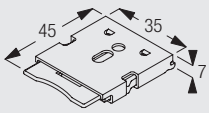



10574
Cover

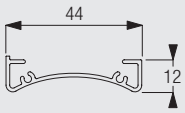
All measurements are based on the maximum system dimensions.

## Wall fix with optional installation profile and click bracket 10539

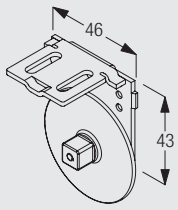


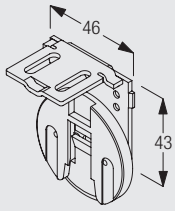

10539
Click bracket



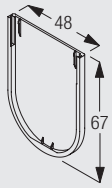

10534
Profile




10542
Support bracket drive side




10543
Support bracket click side

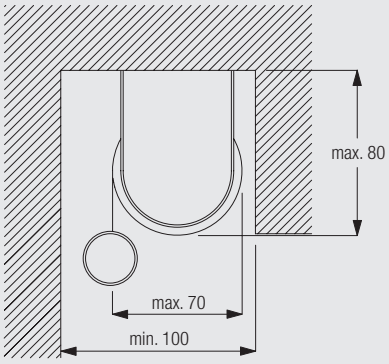


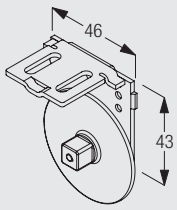

10574
Cover

All measurements are based on the maximum system dimensions.

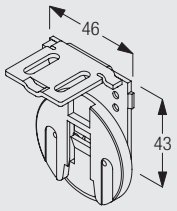
Please note: this fitting option is not possible with double (connected) systems.

## Recess fix with brackets

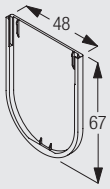


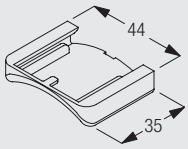

10542
Support bracket drive side




10543
Support bracket click side




10574
Cover

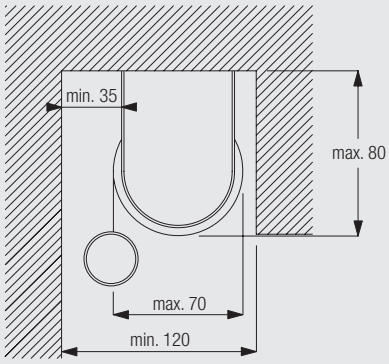


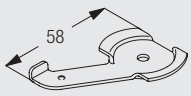

10575
Cover

All measurements are based on the maximum system dimensions.

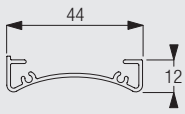
4960

## Recess fix with optional installation profile and clamps 3044

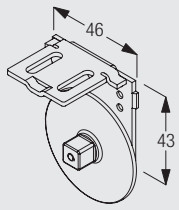


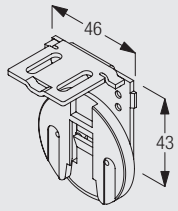

3044
Clamp



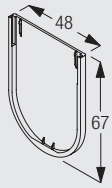

10534
Profile




10542
Support bracket drive side



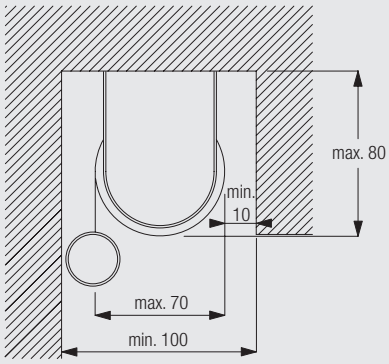

10543
Support bracket click side

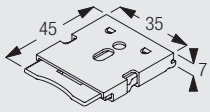



10574
Cover

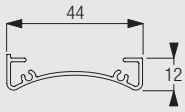
All measurements are based on the maximum system dimensions.

## Recess fix with optional installation profile and click bracket 10539

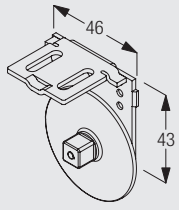


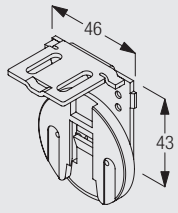

10539
Click bracket



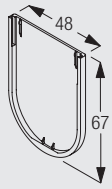

10534
Profile




10542
Support bracket drive side




10543
Support bracket click side



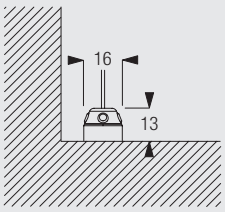

10574
Cover

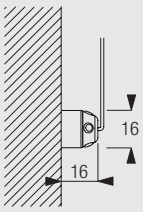
All measurements are based on the maximum system dimensions.

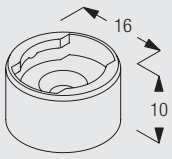
Please note: this fitting option is not possible with double (connected) systems.

4960

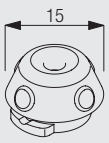
## Fitting with side guide option



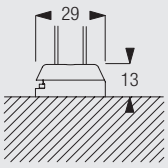



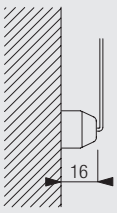

8236
Wire base long

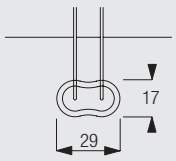


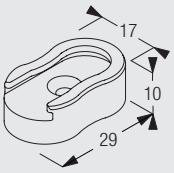

8237
Wire holder

## Fitting with side guide option (connected and side-by-side installations)

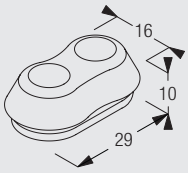


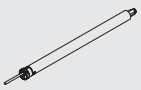
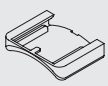

10669
Double base long
(side guide)




10701
Double wire holder
(side guide)

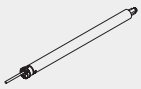
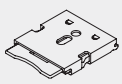
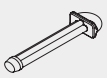
4960

## Standard Accessories

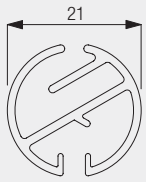
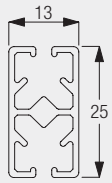
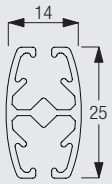
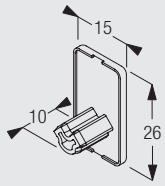
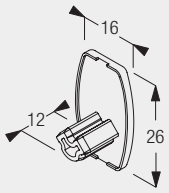
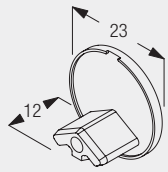
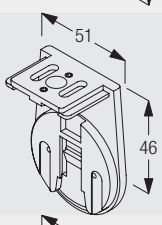
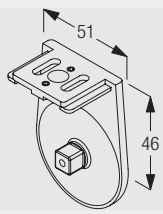
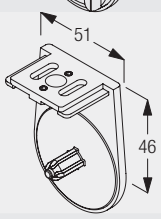
| | | | | | |
|---|---|---|---|---|---|
| | | | 4221 | Bottom bar | |
| 10320 | Motor 20-Series, 230V |  | 10532 | Profile | |
| 10542 | Support bracket drive side | | 10543 | Support bracket click side | |
| 10574 | Cover | | 10575 | Cover |  |
| 10639 | End cover round | | | | |

## Optional Accessories

| | | | | | |
|---|---|---|---|---|---|
| 0578 | Pattress box | | 0615 | Latching switch inc. pattress box | |

| | | | | | |
|---|---|---|---|---|---|
| 0997 | Motor Test Lead | | 3044 | Clamp | |
| 8235 | Wire base short | | 8236 | Wire base long | |
| 8237 | Wire holder | | 8249 | Locking ring | |
| 10321 | Motor 20-Series, 230V, radio receiver |  | 10387 | Cover for metal bracket | |
| 10534 | Profile | | 10535 | Design end cover round (metal) | |
| 10539 | Click bracket |  | 10544 | Support bracket drive side (24V DC motor) | |
| 10626 | Intermediate bracket stainless steel | | 10627 | Intermediate flange | |
| 10628 | Adapter for intermediate connector | | 10632 | Intermediate cover | |
| 10633 | Bottom bar rectangle | | 10634 | Bottom bar oval | |
| 10635 | End cover rectangle | | 10636 | End cover rectangle (side guide) | |
| 10637 | End cover oval | | 10638 | End cover oval (side guide) | |
| 10640 | End cover round (side guide) | | 10641 | Eyelet (side guide) |  |
| 10642 | Wire holder (side guide) | | 10643 | Wire ø 1.3mm x 4.2m (side guide) | |
| 10651 | Intermediate flange with ring | | 10669 | Double base long (side guide) | |
| 10673 | Double base short (side guide) | | 10701 | Double wire holder (side guide) | |
| 10703 | Design bracket click side | | 10704 | Design bracket drive side | |
| 10705 | Design bracket drive side (24V DC motor) | | 10706 | Wire ø 1.3mm x 2.6m (side guide) | |

## Useful Measurements

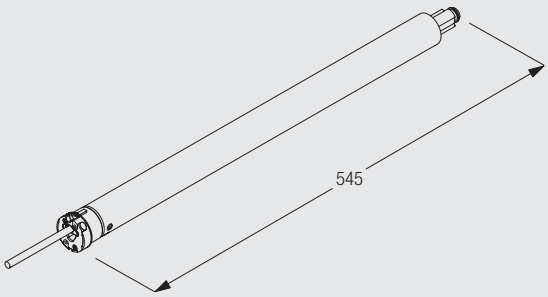
| | | |
|---|---|---|
| 4221 | Bottom bar |  |
| 10633 | Bottom bar rectangle |  |
| 10634 | Bottom bar oval |  |
| 10635 | End cover rectangle |  |
| 10637 | End cover oval |  |
| 10639 | End cover round |  |
| 10703 | Design bracket click side |  |
| 10704 | Design bracket drive side |  |
| 10705 | Design bracket drive side (24V DC motor) |  |



## Overview Motors & Controls

| Motor and Control Features | Motor |
|---|---|
| | 10320, 10321 |
| **Motor Features** | |
| Electronic end-stop programming with Silent Gliss transmitters or motor test lead | ● |
| Electronic revolution counter (unlimited revolution) | ● |
| Two intermediate positions possible (only applicable with built-in motor receiver) | ● |
| Exact programming of intermediate positions possible | ● |
| Parallel wiring possible without additional relays | ● |
| Parallel wiring possible without additional relays with built-in motor receiver | ● |
| Soft stop | ● |
| Cable connectable with plug into motor and available in different lengths | ● |
| **Control Features** | |
| Silent Gliss Radio Remote Control System 9940 (only applicable with built-in motor receiver) | ● |
| Silent Gliss Radio Remote Control System 0450 (external receiver necessary) | ● |
| Suitable for all common home automation and bus systems | ● |

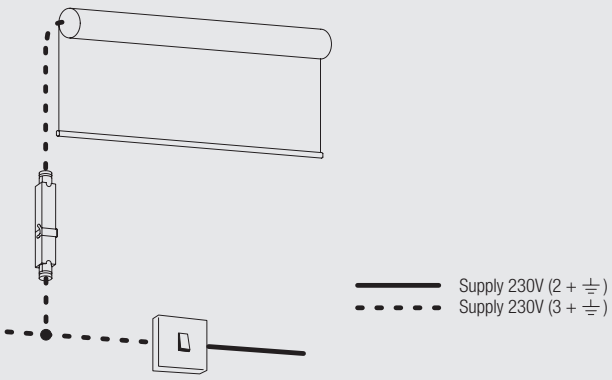
## Motors Silent Gliss 10320 / 10321 (230V)




- Voltage: 230V
- Frequency of receiver of Motors 10321: 915MHz
- Torque: 1.5Nm
- Speed: 70rpm
- Frequency: 50Hz
- Power: 135W
- Current: 0.60A
- Thermal overload protection
- CE Standard
- Cable pluggable

### Operating Methods

Operation via fixed switch with motor 10320

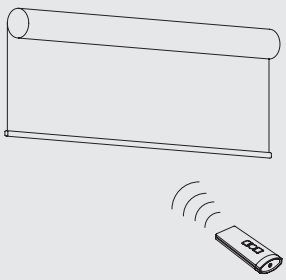



Up to 10 motors can be wired in parallel, cumulative total load to be 25% below the switch/fuse rating.

When using the fixed switch control for multiple blinds, when operating the blinds simultaneously the blinds may not necessarily stop at precisely the same intermediate point. Top and bottom levels can be preset in alignment.

If this is a requirement then we recommend using Radio Remote Control System 0450 with individual and simultaneous switching.

Operation with Radio Remote Control System 9940 or 0450

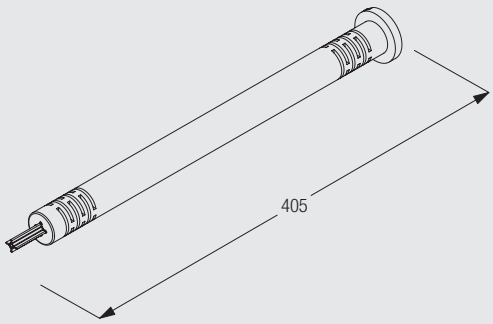


System 4960 can be combined with Radio Remote Control System Silent Gliss 9940 using motor 10321 (integrated receiver) or Radio Remote Control system 0450 using motor 10320 (non integrated receiver) with minimum wiring. For further details, please refer to catalogue section “Motors & Controls”.



**Important:** Wiring diagrams are available on the Silent Gliss website (password required) www.silentgliss.co.uk.

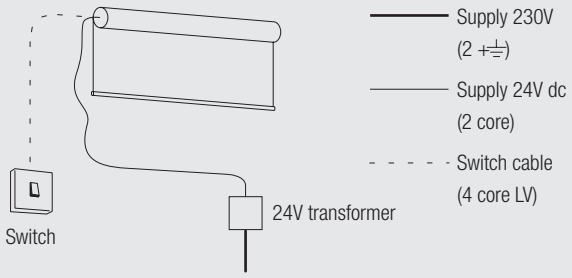
## Motor Silent Gliss 24V DC (optional motor for volt free contact switching)




- Voltage: 24V DC
- Torque: 2Nm
- Speed: 28rpm
- Current: 0.75A

### Operating Methods

Operation via fixed switch with motor 4960LV




Individual operation by volt free contact switch.

### Wiring and connections

**Important:** Wiring diagrams are available on the Silent Gliss website (www.silentgliss.co.uk).

Note: For system integration with external controls please contact Silent Gliss for details.

4960

4960

4960

4960

www.silentgliss.co.uk

www.silentglissglobal.com

Silent Gliss Ltd
Pyramid Business Park
Poorhole Lane
Broadstairs
Kent
CT10 2PT
Great Britain

Tel: +44 (0) 1843 863571
Fax: +44 (0) 1843 864503
info@silentgliss.co.uk

Silent Gliss Global Ltd
Pyramid Business Park
Poorhole Lane
Broadstairs
Kent
CT10 2PT
Great Britain

Tel: +44 (0) 1843 874250
Fax: +44 (0) 1843 874457
info@silentglissglobal.com

SGGB_TB_RB_4960_20180221 /