

The world of **SOMMER** garage door operators



www.sommer.eu/uk

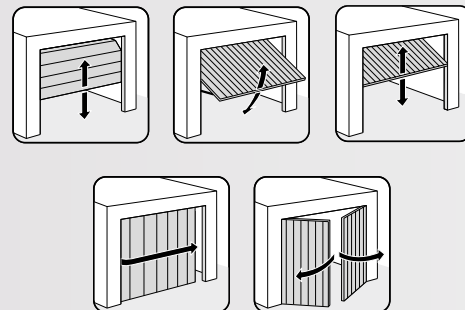
SOMMER

The SOMMER garage door operators:

Numerous fields of application

SOMMER garage door operators are suitable for the following types of door:

- ▶ Sectional doors
- ▶ Swing doors
- ▶ Up-and-over doors¹⁾
- ▶ Overhead running doors/Overhead member doors
- ▶ All-round and side sectional doors¹⁾
- ▶ Side-hinged doors¹⁾



¹⁾ with diverse special accessories.

Highest safety

Safety and accident prevention are taken seriously at SOMMER. Our operators are equipped with reliable and proven technology you can depend on.

- ▶ The **automatic obstruction detection** ensures optimum protection particularly for families with children.
- ▶ The self-locking motor ensures effective **protection against break-ins or entry by strangers**. No additional locking mechanism is necessary for SOMMER garage door operators.
- ▶ The **SOMMER emergency release system** means the door can be opened (unlocked) and locked manually in any position. With SOMMER is your garage door locked (closed) during a power failure. This offers you optimal safety in any situation.



Innovative technology

All our garage door operators are provided with the **operator system of the jointly-operating motor – developed by SOMMER**. The motor carriage moves on a firmly tensioned chain, so that **no friction or power loss occurs** as with a circumferential chain. This gear-saving technology ensures a longer service life and less wear to the garage door operator.

The chain must not be oiled, which avoids oil stains on your car or door.



The SOMMER guarantee

At SOMMER you have **5 years guarantee** on all garage door operators.*

* from SOMMER invoice date; excluding PCB's, radio receivers and handsets.
For further information see the main catalogue or visit www.sommeruk.com

all advantages at a glance

Power-saving functionality

In times of increased electricity prices, **advanced and energy-saving technology** is more important than ever.

- ▶ The **"Dynamic Power System (DPS)"** enables the operator to use only as much force and electricity as needed.
- ▶ Due to an **energy-saving toroidal core transformer**, the operator requires less than 2W in standby mode.
- ▶ With a typical operation of three open and close movements a day, a garage door operator only costs around € 2.50 a year²⁾.

Certified quality – "Made in Germany"

Our garage door operators are tested and certified in accordance with strict guidelines. That means you can be sure that our products are of the highest quality.

- ▶ SOMMER is certified according to **DIN EN ISO 9001**. This guarantees you the highest standards of quality and production.
- ▶ Our operators are **TÜV/GS** tested and are monitored by the German Technical Inspection Association (TÜV) at regular intervals. They also correspond to the applicable European provisions (**CE mark**) for "Electrical Safety" and "Electromagnetic Compatibility".
- ▶ In addition, the SOMMER garage door operators are subject to the voluntary **RAL-inspection**. The main criteria involves an endurance function test for the operator as an example (80,000 cycles for a marathon 550/800 SL).
- ▶ Our garage door operators are also **certified by independent institutes** and the safety validated according to statutory provisions and standards.
- ▶ Offering **over 1500 garage door / SOMMER operator compatible combinations**. SOMMER garage door operators and domestic garage doors made by various leading manufactures **are certified**. You can find a current list at: www.sommer.eu



SOMMER radio control system – comfort at the press of a button

Our radio control products ensure extra comfort with their low-interference and secure-transmission frequency of FM 868.8 MHz. Open your garage door from the comfort of your car.

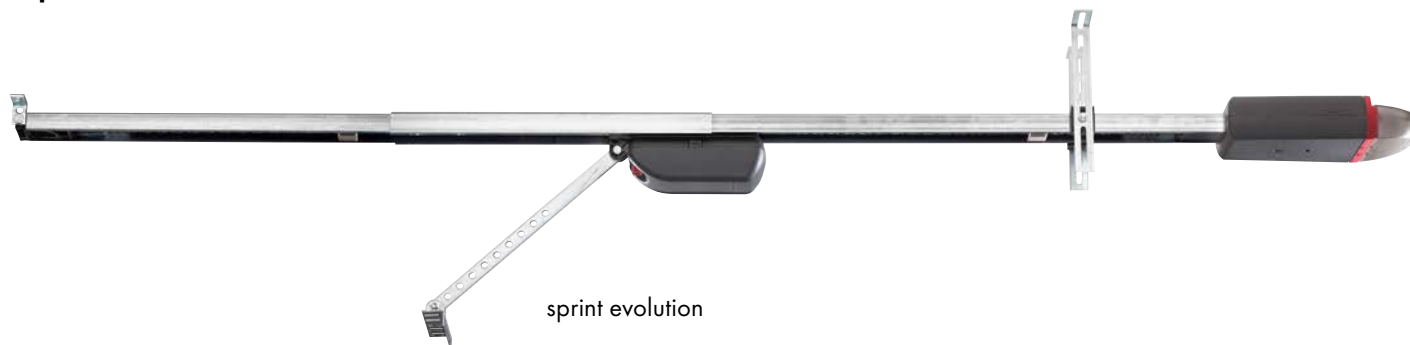
- ▶ You only need one radio control system to operate all your **home automation applications**. In other words, your garage door, blinds, awnings and roller shutters as well as other electrical and electronic devices can conveniently be operated via radio remote control.
- ▶ **Extremely secure** the use of a 66 bit code length means it would take a lifetime to try out all combination options.
- ▶ **Extremely safe against interception**, as every code is only used once and changes after every activation ("rolling code").



²⁾ Example calculation based on current electricity prices and the average use of a garage door operator. No responsibility accepted for the correctness of this data.

Our models at a glance

Our standard model for light and medium-heavy doors up to 4.2 m width:



Our deluxe models for medium-heavy doors up to 5.5 m width:



Our premier models for heavy doors up to 8 m width:





Our standard model

▶ *sprint evolution*

sprint evolution – classic in design

Benefits:

- ▶ classy design in pure black
- ▶ maximum traction/pressure force 550 N for garage doors up to 4.2 m width
- ▶ partly pre-assembled and quickly ready for installation
- ▶ economical energy consumption



Operator unit:

- ▶ greater durability and less wear through gear-saving technology due to the motor operating jointly
- ▶ chain is stationary, so that no friction or power loss occurs as with a circumferential chain
- ▶ chain is maintenance free and must not be oiled, which means there are no oil stains on your vehicle or door
- ▶ self-locking motor ensures protection against burglary and intrusion; no additional locking mechanism necessary
- ▶ quiet opening and closing

SLS – Safety Limit Switch:

The SOMMER garage door operators allow the door to be disengaged and engaged in any position. This offers safety and security in case of power failure.



sprint evolution 550

Operator unit 550 N
incl. 2 handsets

item no. 2600V020

Matching track unit*
with travel length 2,600 mm

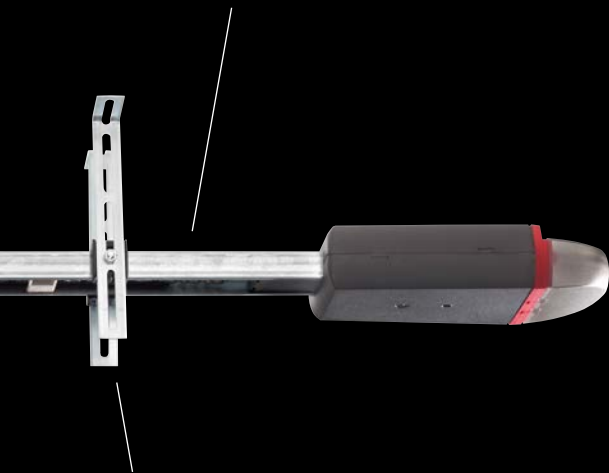
item no. 1897V000

* extendable with track extension.

Our standard model

Track unit:

Track supplied with a travel length of 2,600mm (operates doors up to 2.6m high). Track extension (available as an accessory).



Ceiling mounting unit:

The adjustable ceiling mounting gives you flexibility and easy installation.

Control unit:

- ▶ integral radio receiver (FM 868.8 MHz and 112 memory slots) with integral illumination
- ▶ pluggable, service friendly motor control unit
- ▶ obstacle detection: the door reverses when meeting an obstacle
- ▶ the "Dynamic Power System (DPS)" reads in the required force automatically, and adjusts this to the changing external conditions, ensuring the highest safety
- ▶ backjump for relieving the stress on the door and drive
- ▶ controlled soft run



Our deluxe models

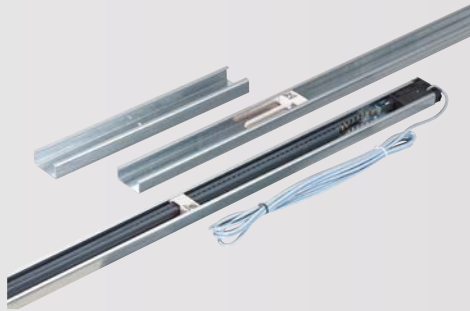
duo vision – a classic with separate control unit housing

Benefits:

- ▶ separate control unit housing for easy assembly without complex electrical installation
- ▶ maximum traction/pressure force 800 N for garage doors up to 5.5 m width
- ▶ operator unit and track length can be combined (to suit customer needs)
- ▶ economical energy consumption



Our deluxe models



Track unit:

- ▶ enables individual adaptation to your garage door
- ▶ ideal for retro-fitting
- ▶ power supply at both ends of the track possible; this saves time and unnecessary cable laying during installation
- ▶ including 5 m connecting cable
- ▶ travel length of 2,600 mm, 3,000 mm and 3,400 mm possible (can be extended with additional rail extension)



Separate control unit:

- ▶ integral radio receiver (FM 868.8 MHz) with 112 memory slots
- ▶ interior push-button already integrated; no separate push-button necessary
- ▶ integral illumination
- ▶ no complex electrical installation necessary, as the existing power socket can be used
- ▶ obstacle detection: the door reverses when meeting an obstacle
- ▶ the "Dynamic Power System (DPS)" reads in the required force automatically and adjusts this to the changing external conditions, ensuring the highest safety
- ▶ backjump for relieving the stress on the door and drive
- ▶ controlled soft run



Ceiling or wall – the choice is yours!

The "duo" control unit housing can be attached at the rear (1), above (2), below (3) or directly on the track (4).

Operator unit incl. 2 handsets

duo vision 500 (500 N)

duo vision 650 (650 N)

duo vision 800 (800 N)

item no. 3000V020

item no. 3010V020

item no. 3020V020

Matching track unit*

with travel length 2,600 mm

with travel length 3,000 mm

with travel length 3,400 mm

item no. 1890V000

item no. 1891V000

item no. 1892V000

* extendable with track extension.

Our deluxe models



Our deluxe models

duo rapido⁺ – the fast garage door operator

Benefits:

- ▶ with a speed of up to 240 mm/s the door opens faster
- ▶ separate control unit housing for easy assembly without complex electrical installation
- ▶ maximum traction/pressure force 650 N for garage doors up to 5 m width
- ▶ economical energy consumption

SLS – Safety Limit Switch:

The SOMMER garage door operators allow the door to be disengaged and engaged in any position. This offers safety and security in case of power failure.

Track unit:

- ▶ power supply at both ends of the track possible; this saves time and unnecessary cable laying during installation
- ▶ including 5 m connecting cable

240 mm/s

Operator unit:

- ▶ greater durability and less wear through gear-saving technology due to the motor operating jointly
- ▶ chain is stationary, so that no friction or power loss occurs as with a circumferential chain
- ▶ chain is maintenance free and must not be oiled, which means there are no oil stains on your vehicle or door
- ▶ self-locking motor ensures protection against burglary and intrusion; no additional locking mechanism necessary

Separate control unit:

- ▶ integral radio receiver (FM 868.8 MHz) with 112 memory slots
- ▶ interior push-button already integrated; no separate push-button necessary
- ▶ integral illumination
- ▶ no complex electrical installation necessary, as the existing power socket can be used
- ▶ obstacle detection: the door reverses when meeting an obstacle
- ▶ the "Dynamic Power System (DPS)" reads in the required force automatically and adjusts this to the changing external conditions, ensuring the highest safety
- ▶ backjump for relieving the stress on the door and drive
- ▶ controlled soft run



duo rapido 650

Operator unit 650 N
incl. 2 handsets

item no. 3060V020

Matching track unit*

with travel length 2,600 mm
with travel length 3,000 mm
with travel length 3,400 mm

item no. 1890V000
item no. 1891V000
item no. 1892V000

* extendable with track extension.

Our premier models

marathon SL – the heavy-duty garage door operator

Benefits:

- ▶ maximum traction/pressure force 1100 N for garage doors up to 8 m width
- ▶ 112 memory lots (extendable to 448 memory slots*)
- ▶ economical energy consumption
- ▶ operator unit and track length can be combined (to suit customer needs)

* only possible with marathon 800 SL and 1100 SL



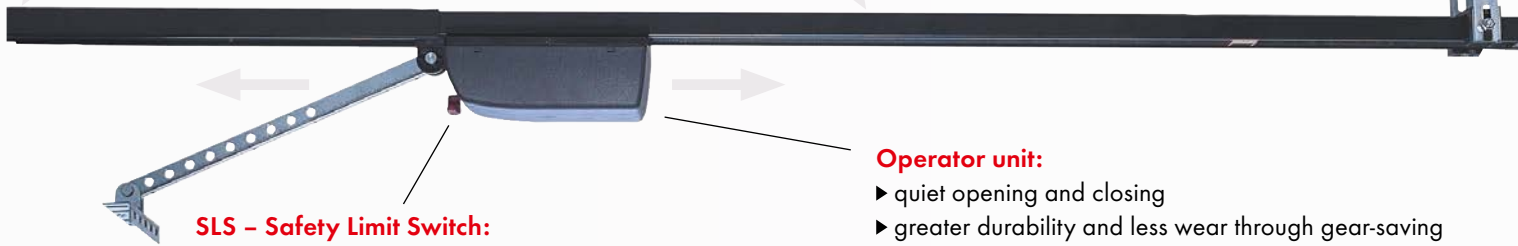
Fast chain tensioning:

for a fast, secure and simple installation with standard tools.



Galvanised and powder coated track:

for optimal power flow and a long-life cycle suitable for doors with a height up to 3.4m (extendable with track extension)



SLS – Safety Limit Switch:

The SOMMER garage door operators allow the door to be disengaged and engaged in any position. This offers safety and security in case of power failure.

Operator unit:

- ▶ quiet opening and closing
- ▶ greater durability and less wear through gear-saving technology due to the motor operating jointly
- ▶ self-locking motor ensures protection against burglary and intrusion; no additional locking mechanism necessary

More advantages:

- ▶ floating output relay contact
- ▶ integrated interpretation for electrical (8.2 kOhm) or optical safety edge
- ▶ connection possibility for a red traffic light



Suitable accessories:
red LED traffic light for internal and external installation

Operator unit

marathon 550 SL (550 N)

item no. 4250V020

marathon 800 SL (800 N)

item no. 4570V020

marathon 1100 SL (1100 N)

item no. 4580V020

Matching track unit*

with travel length 2,600 mm

item no. 1870V000

with travel length 3,400 mm

item no. 1871V000

All operators incl. 2 handsets

* extendable with track extension.

Our premier models

Flexible: all “marathon” garage door operators are packaged in 2 boxes for practical handling.

Advantages for you:

- ▶ operator power and track length can be flexibly combined to suit customers' requirements
- ▶ storage space is even more practical in 2 boxes
- ▶ transportation of 2 packages is more convenient and easier to handle



Motor control:

- ▶ offers numerous connection possibilities, e.g. light barriers (photo cell), safety edges or TorMinal
- ▶ internal push button with integrated 7 m cable
- ▶ automatic closing is adjustable
- ▶ integral radio receiver (FM 868.8 MHz) and illumination
- ▶ obstacle detection: the door reverses when meeting an obstacle
- ▶ the “Dynamic Power System (DPS)” reads in the required force automatically and adjusts this to the changing external conditions, ensuring the highest safety
- ▶ backjump for relieving the stress on the door and drive
- ▶ controlled soft run

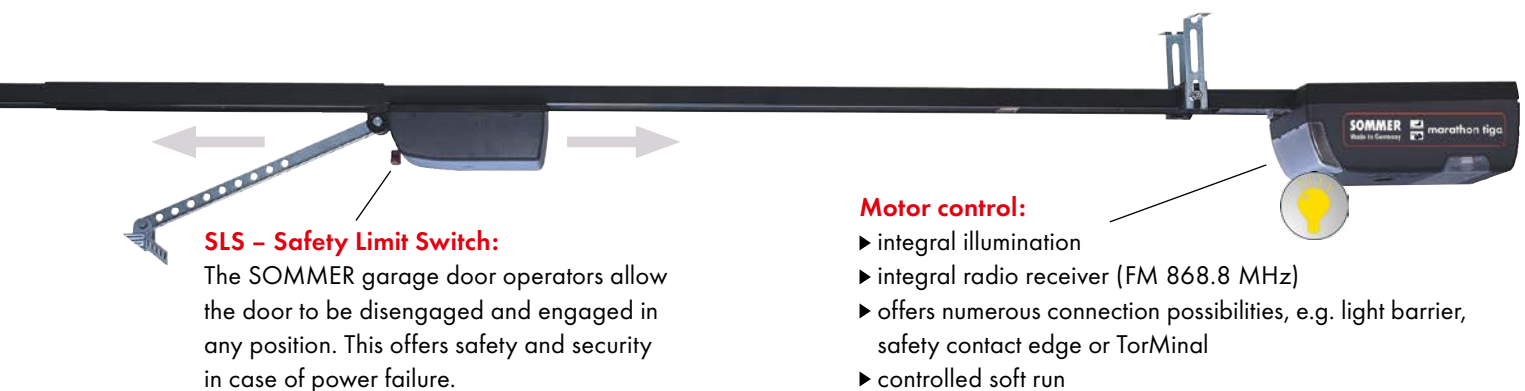


Our premier models

marathon tiga SL – the heavy-duty garage door operator for underground car parks and multiple garage doors

Benefits:

- ▶ maximum traction/pressure force 1100 N for garage doors up to 8 m width
- ▶ with two-way traffic regulation (red/green)
- ▶ numerous connection possibilities, e.g. light barrier (photo cell), traffic light or safety edge
- ▶ pluggable memory module with 448 memory slots
- ▶ operator unit and track length can be combined (to suit customer needs)



SLS – Safety Limit Switch:

The SOMMER garage door operators allow the door to be disengaged and engaged in any position. This offers safety and security in case of power failure.

Motor control:

- ▶ integral illumination
- ▶ integral radio receiver (FM 868.8 MHz)
- ▶ offers numerous connection possibilities, e.g. light barrier, safety contact edge or TorMinal
- ▶ controlled soft run

More advantages:

- ▶ easy to install due to separate traffic control unit which can be wall mounted (short cable run)
- ▶ internal push button with integrated 7 m cable
- ▶ the "Dynamic Power System (DPS)" reads in the required force automatically and adjusts this to the changing external conditions, ensuring the highest safety
- ▶ floating output relay contact, e.g. for lights
- ▶ integrated interpretation for electrical (8.2 kOhm) or optical safety edge
- ▶ connection for TorMinal, to adjust individually the standard values for example opening and closing, opening and clearing time; avoids possible setting changes by an unauthorised person
- ▶ backjump for relieving the stress on the door and drive
- ▶ automatic closing function



Separate traffic control unit:

for two-way traffic regulation, e.g. with a red/green traffic light

Operator unit

marathon tiga 800 SL (800 N)

item no. 4577V020

marathon tiga 1100 SL (1100 N)

item no. 4587V020

Matching track unit*

with travel length 2,600 mm

item no. 1870V000

with travel length 3,400 mm

item no. 1871V000

All operators incl. 2 handsets

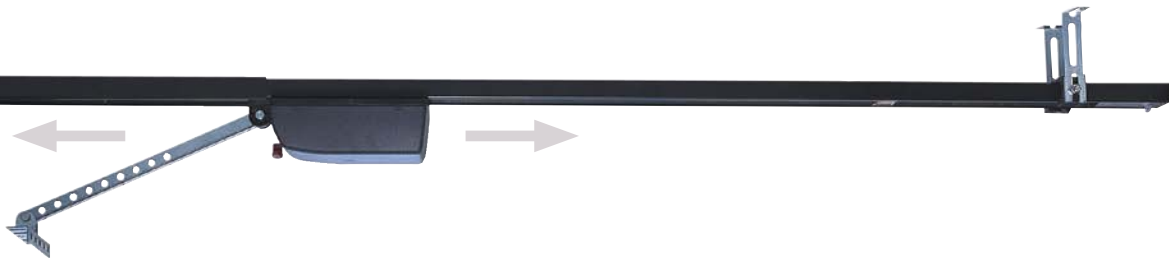
* extendable with track extension.

Our premier models

marathon tiga SLX – the underground car park and multiple garage door operator with separate control unit housing

Benefits:

- ▶ maximum traction/pressure force 1100 N for garage doors up to 8 m width
- ▶ with two-way traffic regulation (red/green)
- ▶ numerous connection possibilities, e.g. light barrier (photo cell), traffic light or safety edge
- ▶ pluggable memory module with 448 memory slots
- ▶ operator unit and track length can be combined (to suit customer needs)



separate control unit
housing for installation
on the wall incl.
integrated traffic
control unit



Control unit:

- ▶ control unit can be disconnected from the power supply system and is lockable
- ▶ only a connecting cable has to be put on the ceiling (no connection above the head is necessary)
- ▶ all control elements are in one housing (traffic control, transformer and marathon tiga control board)

For further technical data please see marathon tiga SL.



Operator unit without handsets

marathon tiga 800 SLX (800 N) item no. 4510V020

marathon tiga 1100 SLX (1100 N) item no. 4520V020

Matching track unit*

with travel length 2,600 mm

item no. 4505V000

with travel length 3,400 mm

item no. 4506V000

The right accessories for your garage

The **SOMMER** radio control system – comfort at the press of a button:

With the radio handsets from **SOMMER** you can remotely control your garage door operator easily and conveniently from the comfort of your car.

4-command handset

item no. 4020V365

- up to four applications possible
- dust-proof housing
- modern, compact design in stainless steel
- keypad cover prevents unintentional activity
- with practical retainer clip on the reverse side and the option of fastening on a keyring pendant



Holder

item no. 4640V000

- suitable for 4-command handset
- for fixing in the car or on the wall



4-command slider handset

item no. 4031V000

- up to four applications possible
- with SOMMER engraving
- high-quality, compact design in stainless steel
- keypad cover prevents unintentional activity
- dust-proof housing
- specially for keyring pendants, including snap-links



2-command handset

item no. 4026V000

- up to two applications possible
- specially for keyring pendants, including snap-links
- dust-proof housing



12-command handset "Telecodey" (IP 64)

item no. 4071V005

- up to 10 different access codes and 2 uncoded buttons
- dust and splash-proof housing (IP 64) is designed for hard, tough environments outdoors
- anti-theft system and proven "Somloq Coding System" ensure the highest security
- large buttons make control easy
- long lasting battery

illuminated
push-buttons



door operator

30-command handset (IP 64) with number and direction buttons with number buttons

item no. 4080V000
item no. 4080V001

- for universal use, e.g. up to 30 doors (industrial or commercial use) or up to 30 applications (Home Automation use)
- dust and splash-proof housing (IP 64) is designed for hard, tough environments outdoors (in conjunction with holder)
- large buttons make control easy
- long lasting battery
- optional: holder (item no. 4641V000) for attachment, e.g. on forklifts



3-button wireless switch button top white button top anthracite

item no. 4762V000
item no. 4762V001

- up to three applications possible
- for universal use
- surface mounting with screws or double-sided adhesive tape



"ENTRASys GD" fingerprint system (IP 54)

item no. 5052V000

- opens garage doors and gates by biometric recognition of a soft touch of a finger without any key or access card
- total memory positions: max. 80 fingerprints
- positions for administrators: max. 9 fingerprints
- swipe sensor of the latest generation with very high and fast recognition rate
- cannot be manipulated; only "living" fingers get access
- up to four applications possible (e.g. door and/or gate can be activated)
- low power consumption (battery saving)



Further accessory:

Track unit "removable carriage" for marathon SL / marathon tiga SL for marathon tiga SLX

item no. 1873V000
item no. 4508V000

- the version "removable carriage" allows rapid and easy removal of the carriage for servicing
- the operator can stay installed on the ceiling and does not need to be dismantled
- with travel length 2,650 mm



Key switch

item no. 5003V000-5010V000

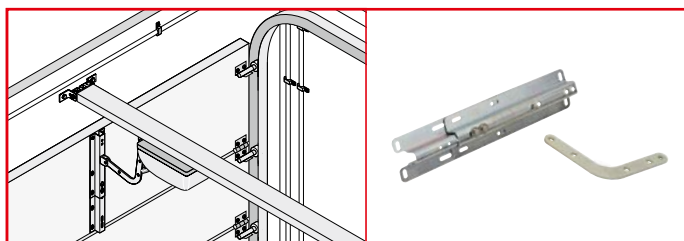
- for activating the door operator by key
- several versions are available for surface or flush mounting with or without profile cylinder

Including
3 keys



The right accessories for your garage

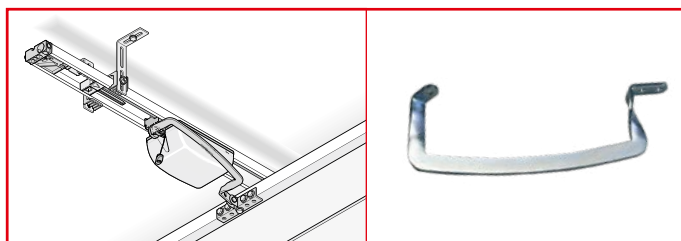
Special accessories – for individual requirements:



Sectional door fitting with boomerang

item no. 3101

- Universal connection set for all sectional doors
- Length-adjustable with curved push arm ("boomerang")
- Very stable
- Force transmission over the entire slat

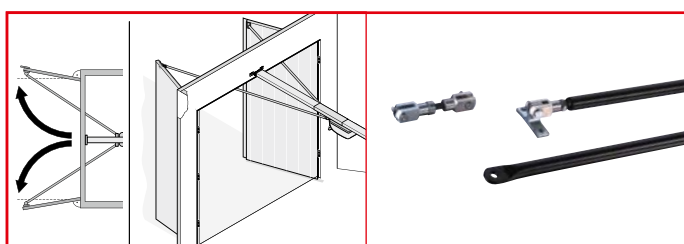


Low headroom bracket

item no. 3122V000

- Special fitting for doors with low lintel height
- Reduces the distance from the carriage to the complete door panel by approx. 23 cm

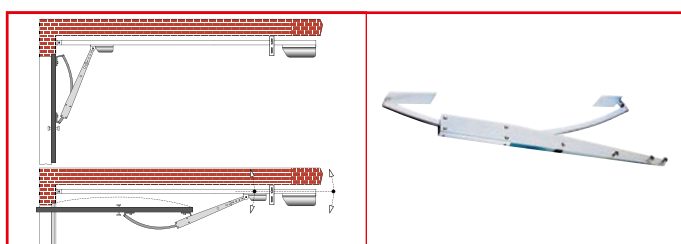
Caution: Can only be used for SOMMER garage door operators with separate control unit.



Wing door fitting

item no. 1501V000

Connection set for automating side-hinged doors with SOMMER garage door operators. Suitable for doors with a maximum door width of 2,800 mm. Further special dimensions are possible on request.



Bow arm converter

item no. 1500V000

Universal bow arm for installation in doors with vertical guide rail (canopy doors)

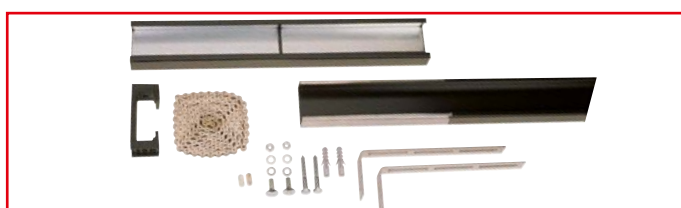
Caution: The travel length can become shorter by up to 700 mm when using the curved arm!



Track extension 1,600 mm for sprint evolution, duo vision and duo rapido

item no. 1628V000

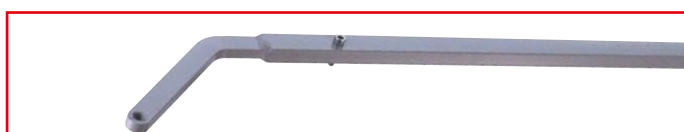
including additional ceiling mounting unit, joining track, chain, chain cover and fixing material



Track extension 1,600 mm for marathon SL and marathon tiga SL/SLX

item no. 1615V000

including additional ceiling mounting unit, joining track, chain and fixing material



Adjustable connecting arm

1,500-2,500 mm long
2,500-3,500 mm long

item no. 3105
item no. 3106



"duo" adapter kit

item no. 927

The control unit housing can be attached directly to the track

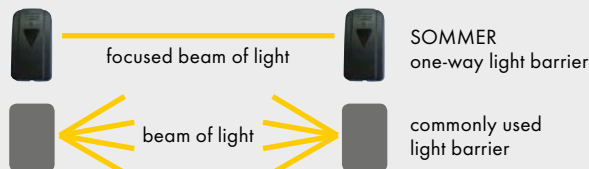
door operator

Extra safety for doors:



One-way light barrier item no. 7020V000

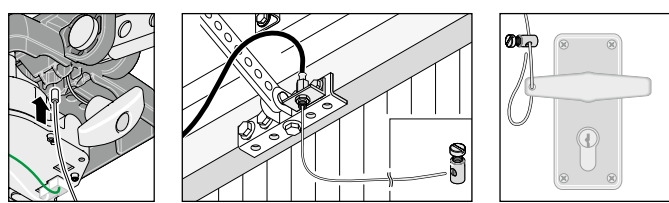
One-way light barrier (photo cell) for extra protection of the door system. Range max. 10 m; AC 12... 24 V, DC 15... 35 V; including mounting bracket; IP 44



The diagram illustrates the difference between a focused beam of light and a common beam of light. The top part shows a 'focused beam of light' between two 'SOMMER one-way light barrier' units. The bottom part shows a 'common beam of light' between two 'commonly used light barrier' units. The focused beam is represented by a single yellow line, while the common beam is represented by multiple yellow lines.



Emergency release – for even more protection:

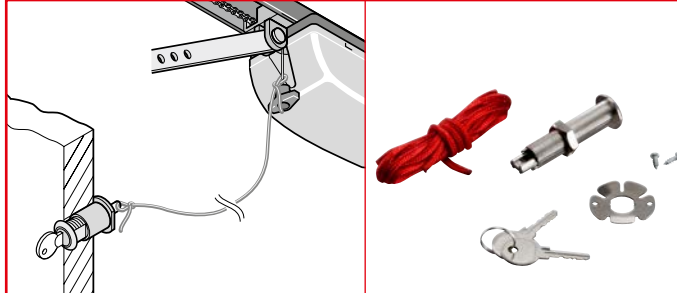


Bowden wire (standard) item no. 1612

For door emergency release via bowden wire.
Length: wire 2.3 m / coating 0.55 m

Bowden wire (long) item no. 1620

When using a bow arm, an extended connecting arm or a wing door fitting.
For door emergency release via bowden wire.
Length: wire 5.0 m / coating 4.5 m



Emergency release lock item no. 5116V000

Safe and rapid emergency release e.g. in the event of a power failure, if there is no separate access to the garage. Suitable for all sectional doors, side-opening sectional doors, side-opening doors and side-hinge doors.

For more information visit our homepage:
www.sommer.eu/uk

We are always certain to have the ideal solution.

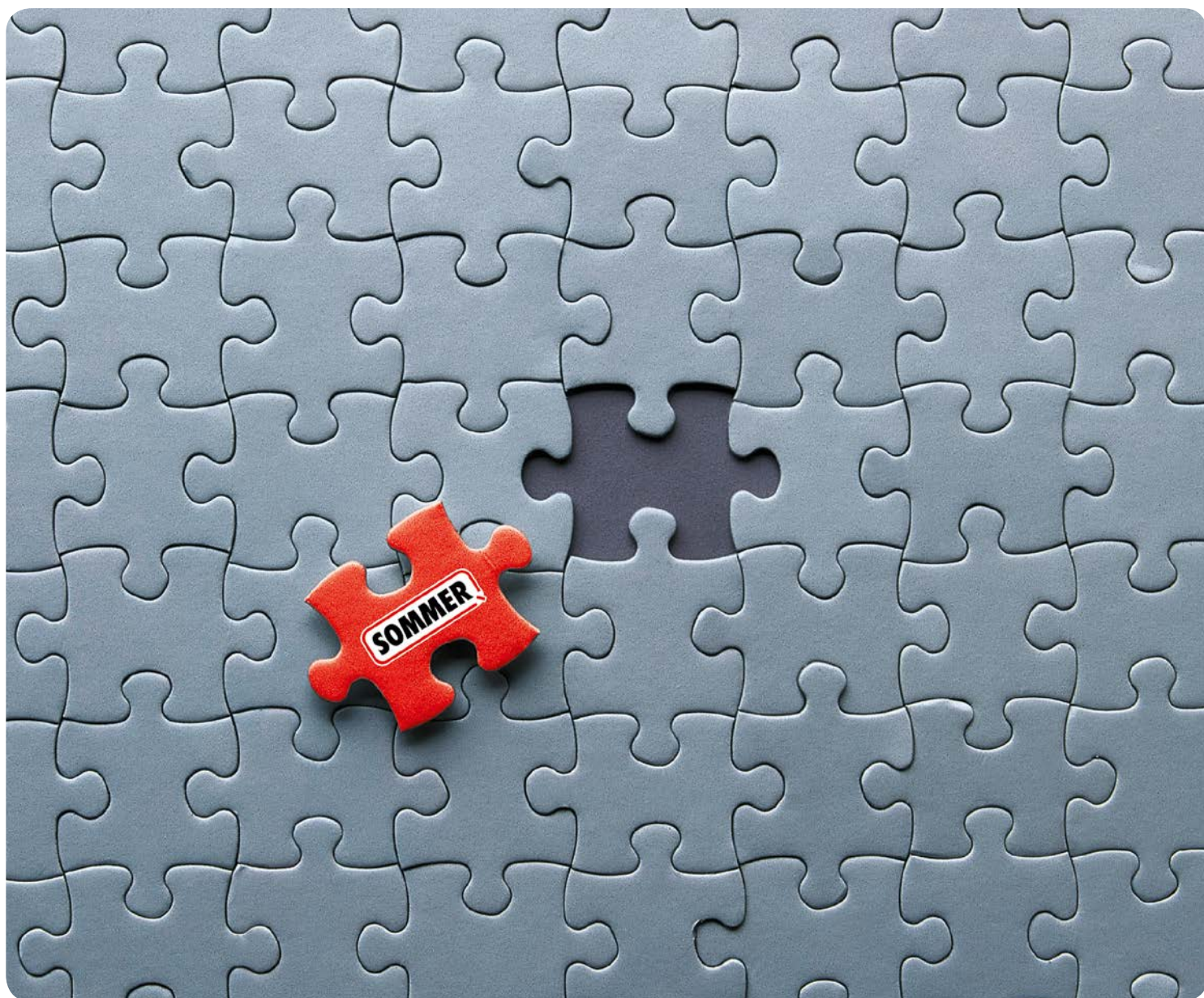
The **SOMMER** company together with their subsidiaries and partners worldwide offer you everything from one source. Our products stand for highest quality and innovative technology – **SOMMER** "Made in Germany".

*Garage door operators
Roller shutter operators
Parking and blocking systems*

*Swing gate operators
Awning operators
Aluminium front doors*

*Sliding gate operators
Integrated operator systems
Home Automation*

*Industrial door operators
Roller door control unit
Radio control systems*



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