

The world of **SOMMER** swing & sliding gate operators



www.sommer.eu

SOMMER

The SOMMER swing and sliding gate o

More convenience

Just push the button and the gates will open from the comfort of your car.

With contemporary style, swing and sliding gate operators from SOMMER are affordable luxury and can be quickly installed. At the push of a button **your gate opens or closes completely automatically** with safety and security built in.

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 the SOMMER swing and sliding gate operators.
- ▶ The **SOMMER emergency release system** means the gate can be opened (unlocked) and locked manually in any position. With SOMMER is your gate locked (closed) during a power failure as well. This offers you optimal safety in any situation.



Innovative technology

- ▶ In developing the operators SOMMER attached importance to **reliable and durable products**.
- ▶ Our swing and sliding gate operators **can be easily and quickly installed**. **The control unit is also easy and simple to program**.
- ▶ The SOMMER swing gate operator 200 E/EL and twist XL can be installed on either left or right handed gates (non handed).



The SOMMER guarantee

At SOMMER you have **2 years guarantee** on all swing and sliding gate operators.*

* from SOMMER invoice date; excluding radio receivers and hand transmitters.
For further information see the main catalogue or visit www.sommer.eu

perators: all advantages at a glance

Certified quality – "Made in Germany"

Our swing and sliding gate 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".
- ▶ Our swing and sliding gate operators are also **certified by independent institutes** and the safety validated according to statutory provisions and standards.



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

Our radio control products give reassurance with their low-interference and secure transmission frequency of FM 868.8 MHz. Open your gate from the comfort of your car.

- ▶ You only need one radio control system to operate all your **Home Automation applications**. In other words, your swing and sliding gates, 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").



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Our swing gate operators

twist 200 E – the high-capacity swing gate operator

Your benefits:

- ▶ suitable for swing gates up to 2.5 m width per leaf and 200 kg weight per leaf
- ▶ 1- and 2-leaf operations possible, either left or right handed gates (non handed)
- ▶ service friendly control board with numerous settings
- ▶ virtually maintenance free operator with a long service life



Further advantages of twist 200 E/EL:

- ▶ very quiet, smooth movement
- ▶ no gate limit stops are required
- ▶ also suitable for gates which open to the outside
- ▶ safety facilities, e.g. warning light, light barrier (photo cell) or safety edges are suitable
- ▶ diverse setting options: pedestrian gate function, automatic closing, adjustable warning time, adjustable functions when an obstacle arises (complete or partial opening of the gate)

Note: You get even more setting options by using twist 200 E/EL operator with twist XL or twist XXL control unit.



Our swing gate operators

twist 200 EL – the high-capacity operator with more travel length

Your benefits:

- ▶ operator option of twist 200 E with more travel length
- ▶ suitable for swing gates up to 2.5 m width per leaf and 200 kg weight per leaf
- ▶ 1- and 2-leaf operations possible, either left or right handed gates (non handed)
- ▶ service friendly control board with numerous settings
- ▶ virtually maintenance free operator with a long service life



Advantages of a longer swing capacity:

- ▶ operator can be now also installed at very big posts, even if the post is laid-bricks
- ▶ operator can be installed steeper to the gate
- ▶ effective protection against break-in or unauthorised access

Included in delivery:

"twist 200 E, 1-leaf" (item no. 3216V000)

or

"twist 200 EL, 1-leaf" (item no. 3229V000)



incl. 1x swing gate operator, control unit in a housing, post and wing gate brackets, pluggable radio receiver (FM 868.8 MHz) and 4-command transmitter (4020V000)

"twist 200 E, 2-leaf" (item no. 3217V000)

or

"twist 200 EL, 2-leaf" (item no. 3230V000)



incl. 2x swing gate operators, control unit in a housing, post and wing gate brackets, pluggable radio receiver (FM 868.8 MHz) and 4-command transmitter (4020V000)

Our swing gate operators

twist XL – the strong swing gate operator

Your benefits:

- ▶ suitable for swing gates up to 5 m width per leaf and 500 kg weight per leaf
- ▶ 1- and 2-leaf operations possible, either left or right handed gates (non handed), as well as mixed operation with twist 200 E/EL possible
- ▶ also applicable for closed gate filling
- ▶ virtually maintenance free operator with a long service life



Synthetic housing:

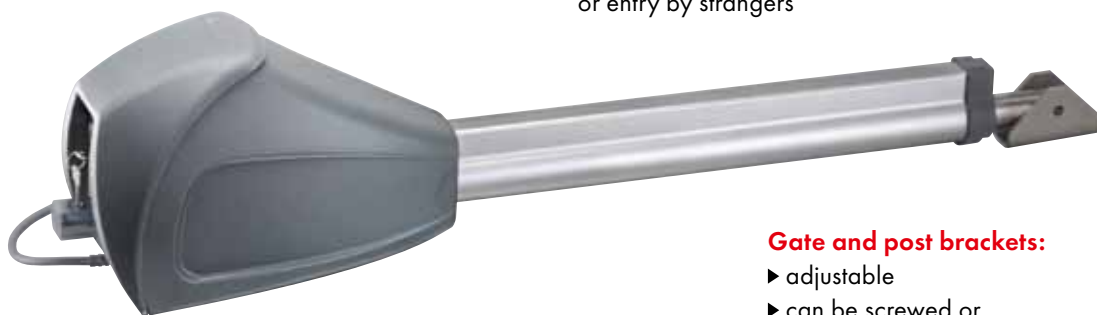
- ▶ UV-resistant and non-ageing
- ▶ durable
- ▶ in a timeless and discreet anthracite

Operator unit:

- (item no. 3280V000)
- ▶ max. capacity of 30.000 N
 - ▶ travel length of 450 mm
 - ▶ self-locking high performance motor ensures protection against break-ins or entry by strangers

Electronic limit switch:

- ▶ with Reed contact
- ▶ precise travel limitation
- ▶ easy to adjust
- ▶ no mechanical wear



Emergency release:

The SOMMER swing gate operators allow the gate to be disengaged and engaged in any position. This offers safety and security, e.g. in case of power failure.

Gate and post brackets:

- ▶ adjustable
- ▶ can be screwed or welded as required

Further advantages:

- ▶ very quiet, smooth movement due to elastically supported threaded spindle
- ▶ accident prevention due to automatic stop
- ▶ safety facilities, e.g. warning light, light barrier (photo cell) or electric lock are suitable
- ▶ micro processor control board with diverse setting options: pedestrian gate function, automatic closing of the gate, adjustable warning time, adjustable functions when an obstacle arises (complete or partial opening of the gate)
- ▶ also suitable for gates which open to the outside



Our swing gate operators

The suitable control units:

twist XL control unit (DTA-1)

(item no. 3282V000)

- ▶ for 1- and 2-leaf operations
- ▶ dust and splash-proof housing (IP65)
- ▶ various setting options
- ▶ incl. pluggable radio receiver (FM 868.8 MHz) and 4-command transmitter (4020V000)



twist XXL control unit (DTA-1)

(item no. 3300V000)

- ▶ for 1- and 2-leaf operations
- ▶ large control unit housing (IP 67) with protection against contact, already pre-installed main switch
- ▶ even more possibilities to add additional devices
- ▶ incl. pluggable radio receiver (FM 868.8 MHz) and 4-command transmitter (4020V000)



Installation example of twist XL at a closed gate wing

"Mixed operation" of twist XL and twist 200 E/EL:

The twist XL and twist 200 E/ EL swing gate operators can be combined easily. This offers you the possibility to use the pedestrian gate function even better. Furthermore the force allowance and the speed can be adjusted individually for each gate. Also a defined operation mode for "OPEN/STOP/CLOSE" is possible.



twist XS conversion set

(item no. 3248V000)

- ▶ for the use of twist 200 E and twist 200 EL operators with twist XL or twist XXL control units

Our swing gate operators

jive 200 E – the robust underground swing gate operator

Your benefits:

- ▶ suitable for swing gates up to 2 m width per leaf and 200 kg weight per leaf
- ▶ ideal for swing gates where the operator should not be visible
- ▶ 1- and 2-leaf operations possible
- ▶ virtually maintenance free underground operator with a long service life



Stainless steel housing:

- ▶ for underground installation
- ▶ dust and splash-proof housing (IP 44)

Emergency release:

The SOMMER swing gate operators allow the gate to be disengaged and engaged in any position. This offers safety and security, e.g. in case of power failure.



Electronic limit switch:

- ▶ with Reed contact
- ▶ precise travel limitation
- ▶ easy to adjust
- ▶ no mechanical wear

Control unit (DST-A 24):

- ▶ for 1- and 2-leaf operations
- ▶ automatic obstruction detection with reversing if an obstruction is encountered

Further advantages:

- ▶ very quiet, smooth movement
- ▶ safety facilities, e.g. warning light, light barrier (photo cell) or safety edges are suitable
- ▶ self-locking motor is an effective protection against break-in or unauthorized access

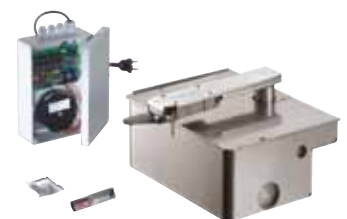


Installation example of the jive 200 E underground swing gate operator

Included in delivery:

"jive 200 E, 1-leaf right"

(item no. 3263V000)
incl. 1x swing gate operator right, control unit in a housing, pluggable radio receiver (FM 868.8 MHz) and 4-command transmitter (4020V000)



"jive 200 E, 1-leaf left"

(item no. 3264V000)
incl. 1x swing gate operator left, control unit in a housing, pluggable radio receiver (FM 868.8 MHz) and 4-command transmitter (4020V000)



"jive 200 E, 2-leaf"

(item no. 3268V000) incl. 2x swing gate operators right/left, control unit in a housing, pluggable radio receiver (FM 868.8 MHz) and 4-command transmitter (4020V000)



Our sliding gate operators

STArter – the compact sliding gate operator

Your benefits:

- ▶ suitable for swing gates up to 6 m width and 300kg weight
- ▶ no active safety edges at the main edge necessary
- ▶ virtually maintenance free operator power saving operator with a long service life

Emergency release:

The SOMMER sliding gate operators allow the gate to be disengaged and engaged in any position. This offers safety and security, e.g. in case of power failure.



STA-1 control unit:

- ▶ pluggable
- ▶ integrated in the housing
- ▶ connection for TorMinal
- ▶ integrated radio receiver (FM 868.8 MHz)

Synthetic housing:

- ▶ UV-resistant and non-ageing
- ▶ durable
- ▶ in a timeless and discreet anthracite

Electronic limit switch:

- ▶ precise and contactless travel limitation
- ▶ easy to adjust
- ▶ no mechanical wear



Rack:

- ▶ steel rack bonded with plastic
- ▶ provides a silent operation
- ▶ standard size 4 m (extendable up to max. 6 m)

Further advantages:

- ▶ fully automated force learning, therefore highest safety
- ▶ 24 volt technology with controlled soft run
- ▶ defined activation of travel direction (OPEN / CLOSE) or adjustable partial opening
- ▶ energy-saving toroidal core transformer
- ▶ contactless limit switches (Reed contacts) that are easy to adjust
- ▶ integrated evaluation of safety edges
- ▶ servicefreundliche, oben liegende Steuerung

Included in delivery:



„STArter“ single operator

(item no. 3550V000)

1x sliding gate operator, control unit, integrated radio receiver (FM 868.8 MHz) and universal installation bracket



„STArter“ complete set

(item no. 3540V000) 1x sliding gate operator, control unit, 4 m steel rack bonded with plastic, integrated radio receiver (FM 868.8 MHz), universal installation bracket and 4-command transmitter (4020V000)



Our sliding gate operators

SP 900 – the powerful sliding gate operator concealed in the post

Your benefits:

- ▶ suitable for sliding gates up to 8 m width and 400 kg weight
- ▶ no active safety edges at the main edge necessary
- ▶ Steuerung mit vielen Anschlussmöglichkeiten; auch für Industrietoranlagen geeignet
- ▶ virtually maintenance free power saving operator with a long service life

NEW

Further advantages:

- ▶ the speed (max. 285mm/s) and further parameters are adjusted automatically to the size and weight of the gate
- ▶ integrated electric lock ensures a high security
- ▶ connection for a radio based safety edge already built-in
- ▶ warp resistant construction due to square profile, ideal for high gate wings
- ▶ up to 40 movements per day is possible (20 full cycles)
- ▶ selector switch for gate run DIN left / DIN right; no reconnection of motor and limit switches necessary
- ▶ automatic detection of safety edges (8.2 kOhm or OSE) and light barriers (2 and 4 wire)
- ▶ automatic / semi automatic closing is possible from the end position and partial-opening position; partial opening position is adjustable
- ▶ pre-warning function and dead man operation
- ▶ compatible with the SOMMER battery back-up system*

Split packaging = more flexibility:

- ▶ the post and operator unit are delivered in two packages ensuring easy handling
- ▶ the operators don't have to be dismantled before coating



SOMMER
eco
-< 0,5 W STANDBY



post height can be reduced easily on site



robust operator for optimal gate performance and durability



fast installation with easy electrical connection



height-adjustable gear-wheel (90 - 290 mm)



flexible magnet limit switches with fine-adjustment



the base plate* ensures a quick and level finish

* available as accessory

Available colors:

-  aluminium blank
-  RAL 9006 white aluminium
-  DB 703 iron mica

Included in delivery:

„SP 900“ post unit (1250 mm)

incl. aluminium post, post cover and foot plate

blank: item no. 3700V000

RAL 9006: item no. 3700V001

DB 703: item no. 3700V002

„SP 900“ post unit (2100 mm)

incl. aluminium post, post cover, foot plate and clamping shoe set

blank: item no. 3710V000

RAL 9006: item no. 3710V001

DB 703: item no. 3710V002

+

„SP 900“ operator unit

(item no. 3703V000) incl. motor control unit, integrated radio receiver (FM 868.8 MHz) and mounting material

Our sliding gate operators

SG1 – the powerful operator for ground guided sliding gates

Your benefits:

- ▶ ideal for ground guided sliding gates or ponderous gates for retrofitting
- ▶ suitable for sliding gates up to 6 m width and 500 kg weight
- ▶ optimal sensitivity for operation under adverse conditions
- ▶ virtually maintenance free power saving operator with a long service life



Control unit:

- ▶ pluggable
- ▶ integrated in the housing
- ▶ connection for TorMinal
- ▶ integrated radio receiver (FM 868.8 MHz)



Electronic limit switch:

- ▶ precise and contactless travel limitation
- ▶ easy to adjust
- ▶ no mechanical wear

Synthetic housing:

- ▶ UV-resistant and non-ageing
- ▶ durable
- ▶ in a timeless and discreet anthracite

Emergency release:

The SOMMER sliding gate operators allow the gate to be disengaged and engaged in any position. This offers safety and security, e.g. in case of power failure.



Rack:

- ▶ steel rack bonded with plastic
- ▶ provides a silent operation
- ▶ standard size 4 m (extendable up to max. 6 m)

Further advantages:

- ▶ very quiet, smooth movement due to controlled soft run and high quality rack
- ▶ accident prevention due to automatic stop
- ▶ safety facilities, e.g. warning light, light barrier (photo cell) or safety edges are suitable
- ▶ micro processor control board with diverse setting options: pedestrian gate function, automatic closing of the gate, adjustable warning time, adjustable functions when an obstacle arises (complete or partial opening of the gate)

Included in delivery:



„SG1“ single operator

(item no. 3482V000)
incl. 1x sliding gate operator, control unit and pluggable radio receiver (FM 868.8 MHz)



„SG1“ complete set

(item no. 3483V000)
incl. 1x sliding gate operator, control unit, 4 m steel rack bonded with plastic, pluggable radio receiver (FM 868.8 MHz) and 4-command transmitter (4020V000)



Our sliding gate operators

SM 40 T – the high-performance sliding gate operator

Your benefits:

- ▶ suitable for sliding gates up to 12 m width and 600 kg weight
- ▶ reliable and robust operator (IP 43) with lubricated geared motor
- ▶ control unit with various additional functions, e. g. partial opening
- ▶ connection possibilities for e. g. emergency stop, warning light, light barrier (photo cell) and safety edges

Single operator "SM 40 T"
(item no. 5822V001)



incl. 1x sliding gate operator and
T100 control unit

Complete set "SM 40 T" with one-way light barrier
(item no. 3504V000)



incl. 1x sliding gate operator, T100 control unit, 4m steel rack bonded with plastic, radio receiver (FM 868.8 MHz), 4-command transmitter (4020V000) and one-way light barrier (7020V000)

DS 600 / DS 1200 – our strongest sliding gate operators

Your benefits:

- ▶ suitable for sliding gates up to 1.200 kg weight
- ▶ ideal for heavy gates, especially for industrial use
- ▶ reliable and durable operator (IP 44) with high-performance gear motor
- ▶ control unit with various additional functions, e. g. dead-man operation
- ▶ connection possibilities for e. g. emergency stop, warning light, light barrier (photo cell) and safety edges

"DS 600" (item no. 3408V000)
for gates up to 600 kg



incl. ACM 400 S control unit

"DS 1200" (item no. 3409V000)
for gates up to 1.200 kg



incl. ACM 400 S control unit



The right radio control accessories

Conveniently: With the radio transmitters from **SOMMER** you can remotely control your swing or sliding gate operator easily.

4-command transmitter

item no. 4020V005

- 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 transmitter (4020V005)
- for fixing in the car or on the wall



4-command slider transmitter

item no. 4031V000

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



2-command transmitter

item no. 4026V000

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



"Telecody" wireless keypad (IP 64)

item no. 4071V005

- up to 10 different access codes and 2 uncoded buttons
- can also be used as a 12-command transmitter
- dust and splash-proof housing (IP 64) is designed for hard, tough environments outdoors
- anti-theft system and proven "Somloq Rollingcode-System" ensure the highest security
- large buttons make control easy
- long lasting battery



30-command transmitter (IP 64)

with number and direction buttons
with number buttons

item no. 4080V000

item no. 4080V001

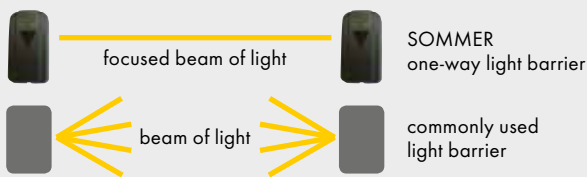
- for universal use, e.g. up to 30 doors (industrial or commercial use) or up to 30 applications (Home Automation use)
- dust and splash-proof housing (IP 64) is designed for hard, tough environments outdoors (in conjunction with holder)
- large buttons make control easy
- long lasting battery
- optional: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



The right accessories for your swing or



The light barrier (photo cell) detects objects and sends a signal to the control system when something is detected. A closing of the barrier can be prevented, for example, if the photo cell is monitoring the closing range.



One-way light barrier item no. 7020V000

- for all swing or sliding gate operator
- range max. 10 m; including mounting bracket

2-wire light barrier item no. 7023V000

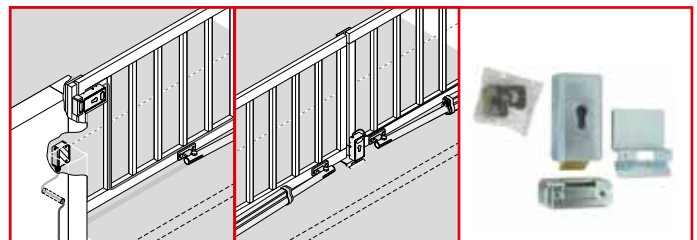
- direkt anschließbar an „twist XL“ und „SP 900“
- range max. 8 m; including mounting bracket



Warning light 24 V item no. 5069

The users of the barrier are warned of an opening or closing barrier by the warning light.

included with bulb, max. 25 W, E 14 lampholder



Electric gate lock (DC 24V) item no. 3205V003

- offers additional protection against break-ins
- with counter and ground locking plate for side or ground locking

Caution: Can only be used for swing gate operators.



Rod antenna item no. 7004

- rod antenna for swing gates, sliding gates, garage doors and other various radio receivers
- with 50 Ohm coaxial cable (6 m/10 m/16 m)



Radial damper item no. 5814V000

- ideal speed regulation of sliding gates with inclination
- one-sided acting damping is fully adjustable



Key switch item no. 5003V000-5010V000

- the barrier opens or closes when the key switch is activated
- various versions are available for surface- or flush-mounted, optionally with or without cylinder



Main switch (lockable) item no. 5026

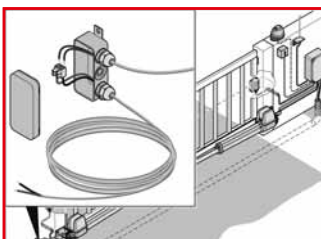
- the lockable main switch (all-pole line disconnecter according to EN 12453) de-energizes the barrier on all poles
- 600 V voltage

sliding gate operator



twist XS conversion set item no. 3248V000

- for the use of twist 200 E and twist 200 EL operators with twist XL or twist XXL control unit (DTA-1)
- mixed operation with twist XL operator also possible



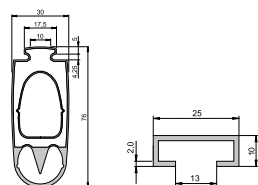
Connecting cable set

for twist 200 E/EL
for twist XL

item no. 3204V000

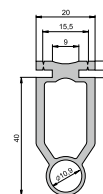
item no. 3271V000

connection of the second operator to the control unit housing
incl. cable, junction box (IP 54) and mounting material



Safety edge, electrical 8,2 kOhm (incl. aluminium C-rail)

item no. 3670



Optical safety edge

item no. 3680

If the safety edge attached to the boom hits an obstacle during the closing procedure, the barrier stops and opens completely.

Attention: Either an 8.2 kOhm safety edge or an optical safety edge can be connected! A connection of both safety devices is not possible!



More accessories, e. g. control for safety edges, connecting cable sets and much more, you find in our main catalogue, which we are pleased to send to you. Or download it from our homepage www.sommer.eu.

We are always certain to have the ideal solution.

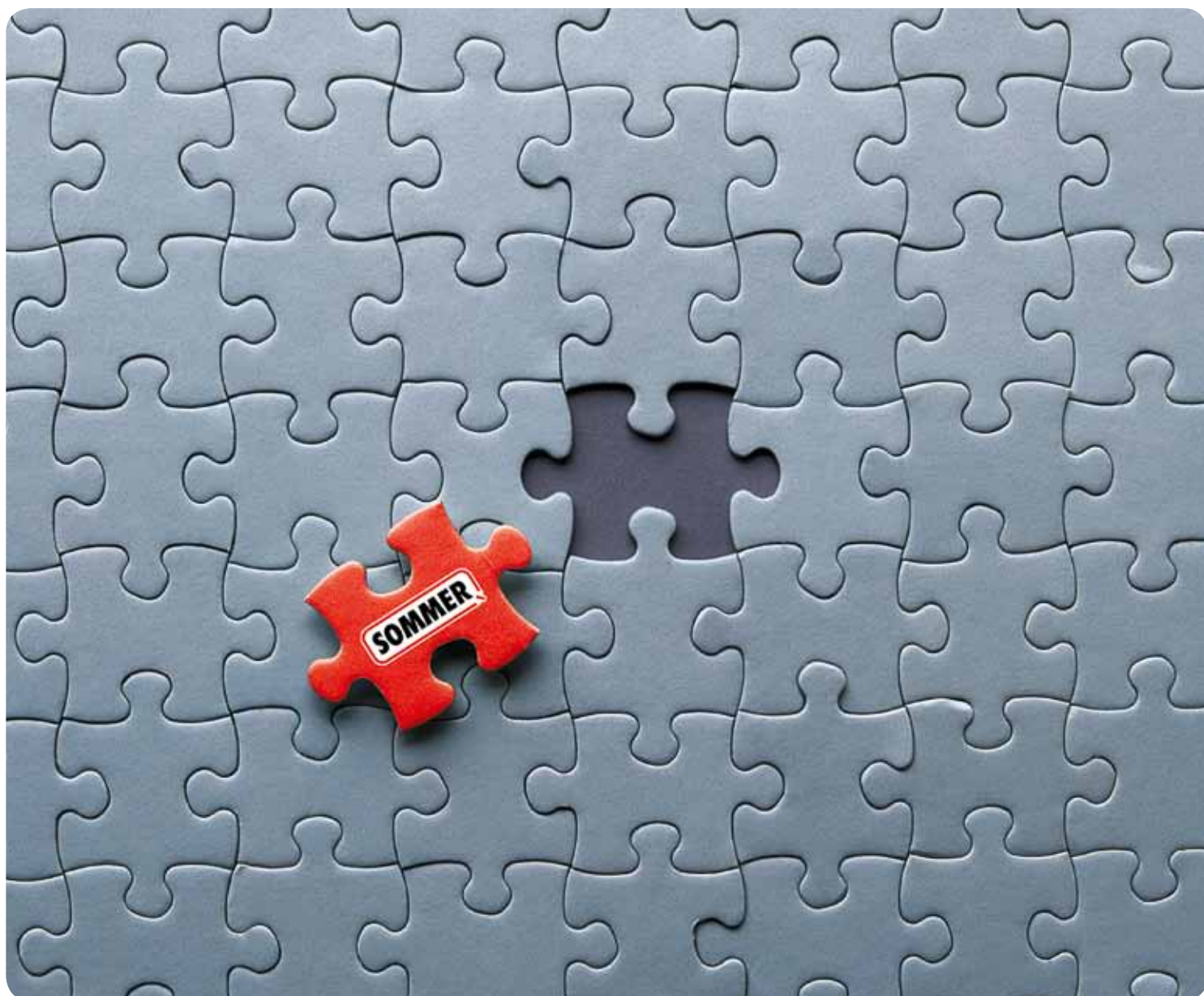
The **SOMMER** company together with their subsidiaries and partners worldwide offer you everything from one source. Our products stand for highest quality and innovative technology - **SOMMER** "Made in Germany".

*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*



SOMMER

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