

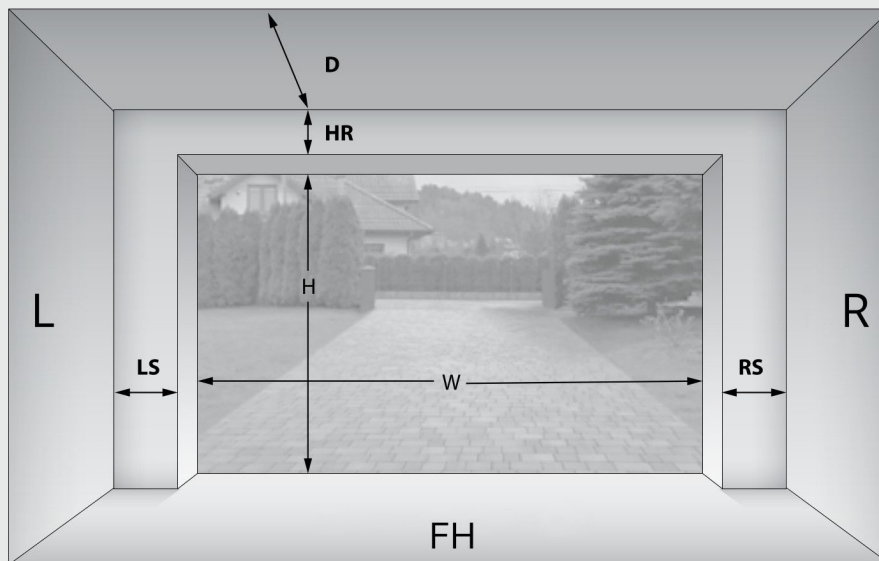
knall
quality & style



Technical product catalog

Garage doors

knall
quality & style



If you have any doubts, please send us this drawing with the dimensions.

When planning to purchase a garage door, you should carefully check the actual dimensions:

- W - WIDTH (dimension A) This is the width of the opening after it has been finished.
- H - HEIGHT (dimension B) This is the height of the opening after it has been finished.
- LS - left jamb (side space) minimum 110 mm
- RS - right jamb (side space) minimum 110 mm
- HR - lintel
- D - depth of the garage



Ordering width of the gate = width of the garage entrance opening after finishing (W)
Ordering height of the gate = height of the garage entrance opening after finishing (H)

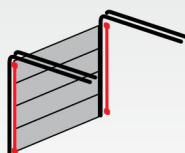
Measurements must be taken for finished walls and floors.

You should check whether there are any obstacles within the planned gate that prevent its installation or uninterrupted operation (e.g. ceiling beams, pipes, windows, doors opening into the garage).

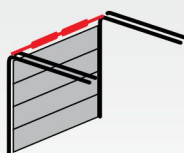
When configuring the garage door, the manufacturer selects the type of guides and the balancing system:

- the choice of the balancing system depends on the dimensions and weight of the gate
- the choice of guides and the location of the balancing system depend on the height of the lintel

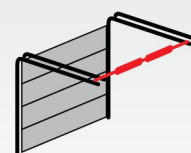
Types of guides (installation of the balancing system and types of guides):



TorqueMaster® vertical tension springs

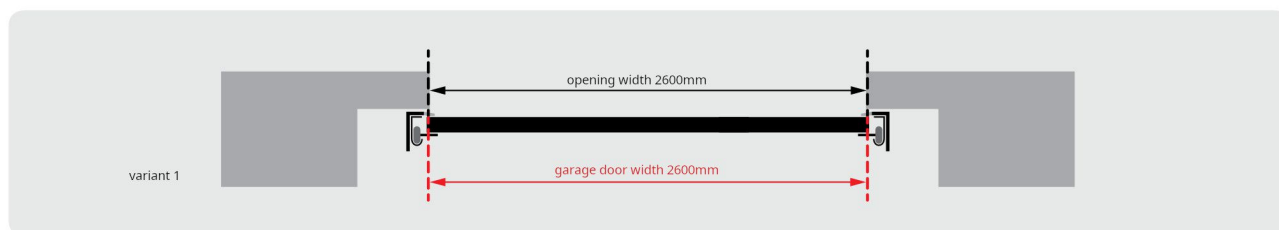


Torsion springs at the front



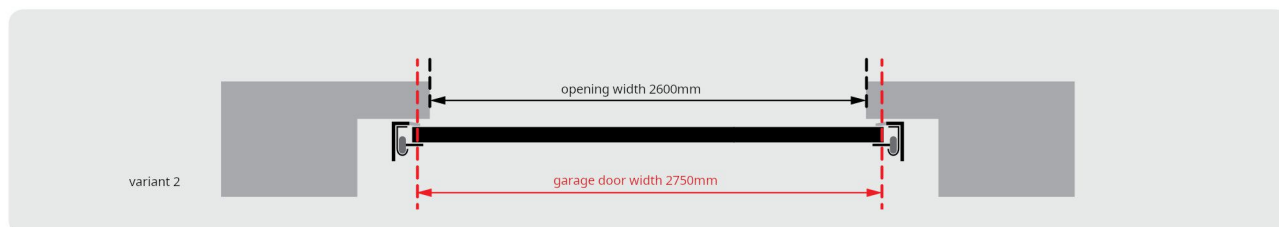
Torsion springs at the back

Unusual dimensions



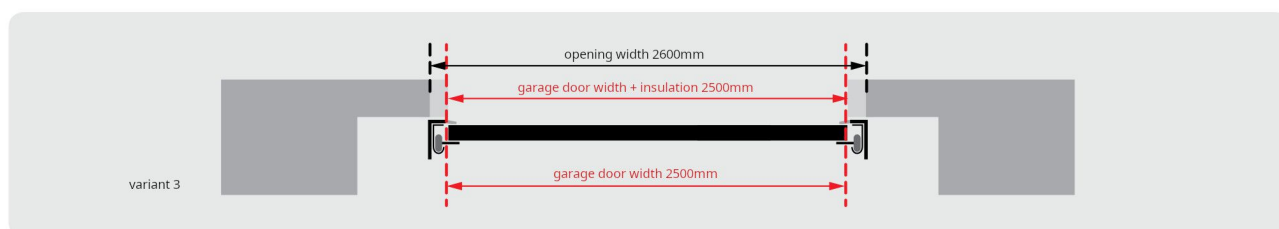
The gate fits the garage opening

the gate perfectly fits the garage opening. Ordering size of the door = size of the garage opening.



The dimensions of the garage opening are narrower than the ordering dimensions of the gate.

It is possible to install a wider gate into a smaller garage opening. It is then necessary to check whether the size of the right and left jamb (side spaces RS and LS - see page 2) is large enough to accommodate and hide the excess of the gate. The example above shows a situation where the width of the garage opening is 2600 mm and the width of the installed gate is 2750 mm.



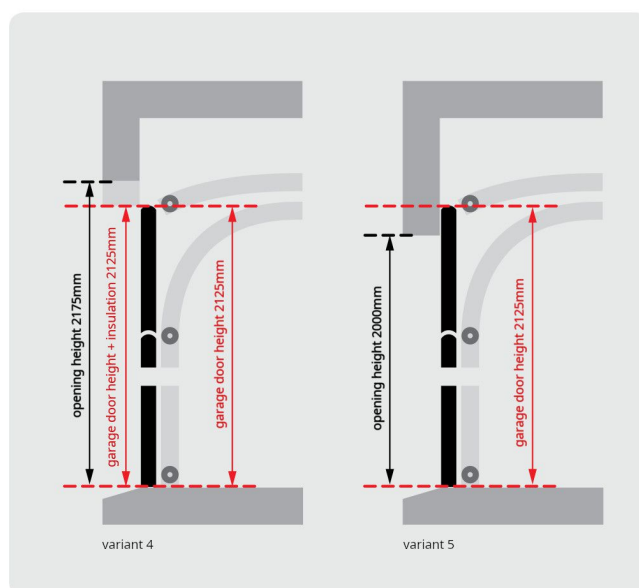
The dimensions of the garage opening are wider than the ordering dimensions of the gate.

It is possible to install a narrower gate into a larger garage opening. It is then necessary to reduce the width of the garage opening by using, for example, insulating materials. The example above shows a situation where the width of the garage opening is 2600 mm and the width of the gate is 2500 mm. After applying 50 mm wide insulation on both sides, we obtain a garage opening width of 2500 mm. When using insulating materials (e.g. polystyrene), the insulation thickness can be a maximum of 40 - 50 mm on each side of the gate. Thicker layers will make it impossible to install the gate.

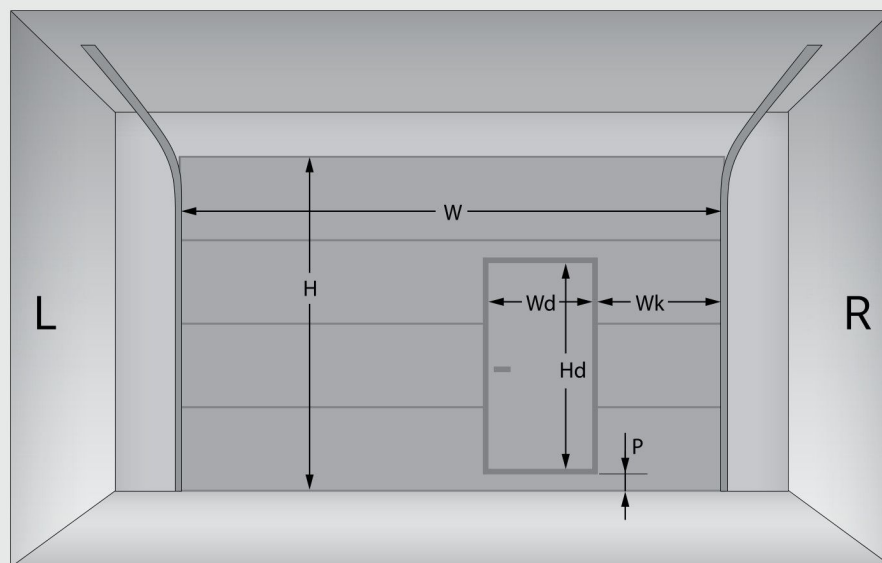
The dimensions of the garage opening are higher or lower than the dimensions of the installed gate

It is possible to install a typical gate into a lower or higher garage opening. Similarly to the width of the garage opening, it is necessary to reduce its height by using, for example, insulating materials, or to hide the excess door behind the lintel. Variant 4 presents a situation where the height of the garage opening is 2175 mm and the height of the gate is 2125 mm. After applying insulation with a height of, for example, 50 mm, we obtain a typical height of the garage opening of 2125 mm.

Variant 5 presents a situation in which the height of the garage opening is 2050 mm and the height of the gate is 2125 mm. The required lintel height in such a situation should be at least 225 mm.



Installation data - KRONWAY series



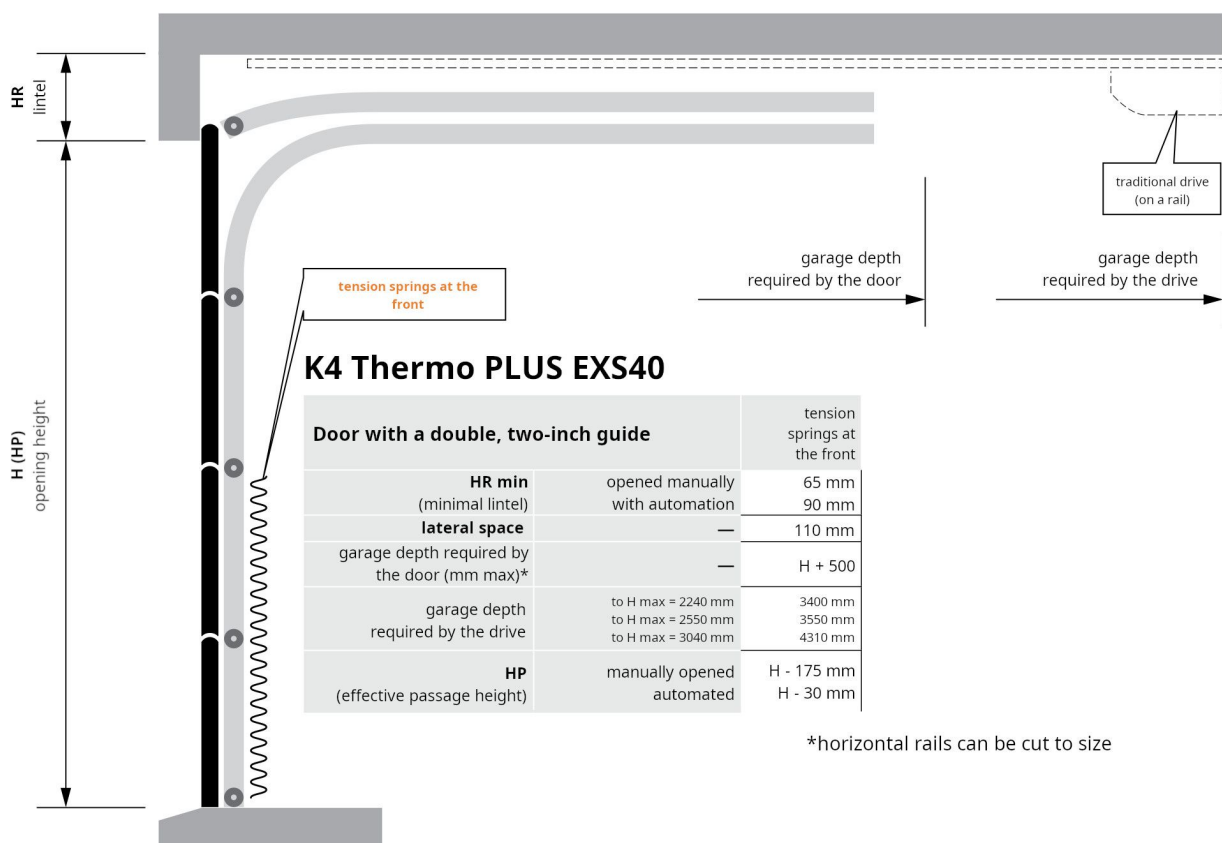
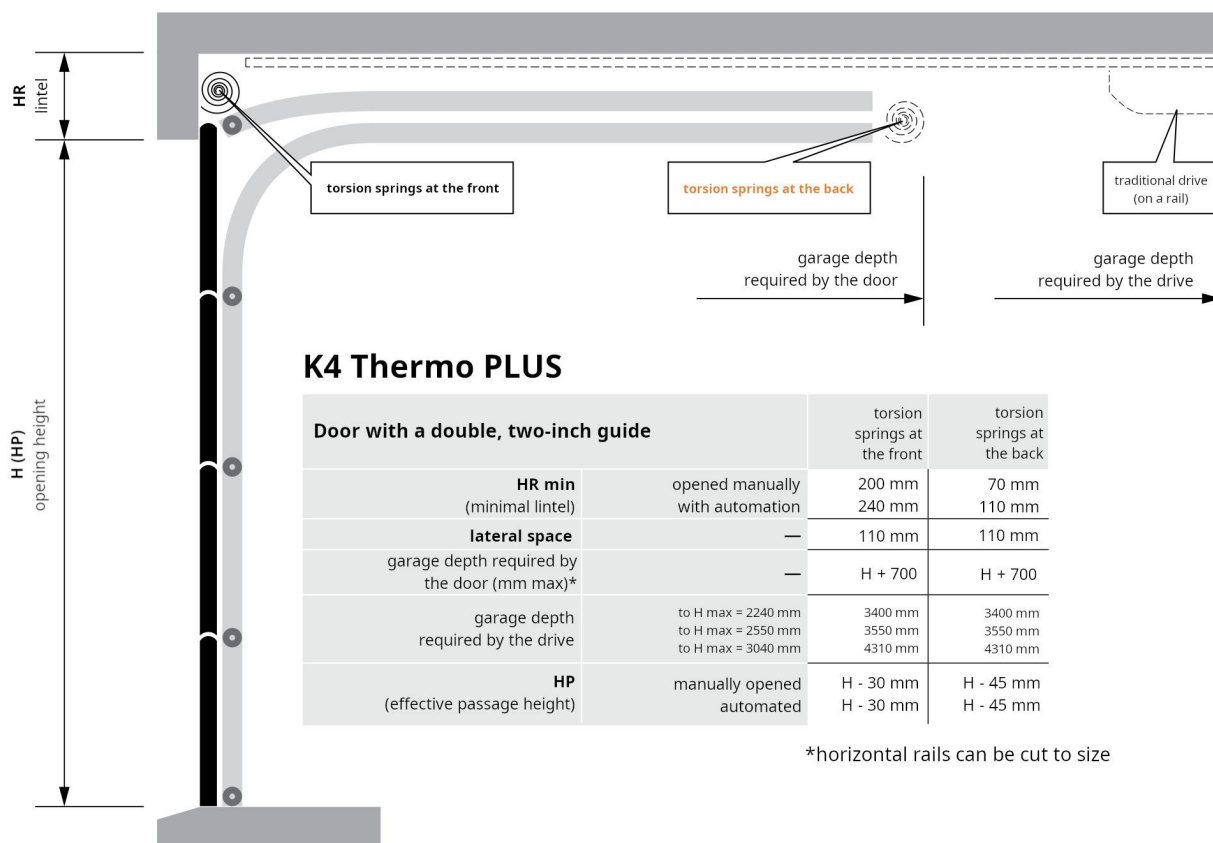
When planning to purchase a sectional garage door with service doors, the following dimensions should be

- W - minimum door width - 2000 mm
- maximum door width - 4000 mm
- H - minimum door height - 2125 mm
- Wd - door clearance width - 900 mm
- Hd - door clearance, minimum height - from 1800 mm depending on the door height
- door clearance, maximum height - up to 2100 mm depending on the door height
- Wk - minimum distance from the door edge - 1000 mm
- P - minimum threshold height - 100 mm (110 mm depending on the embossing used)



- Passage doors can only be used in K-4 and P-4 doors
- Service doors are made of aluminium
- Possibility of installing both right and left doors
- Option to install a door opening sensor - Price upon request
- Option to install a door closer - Price upon request
- Option to install glazing in the service doors - Price upon request
- Other options (e.g. other dimensions) - contact sales department

Installation data - KRONWAY series



Garage door drives

Drives compatible with sectional and up-and-over doors

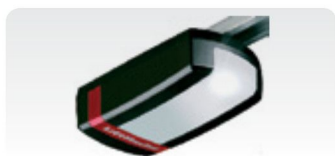
LiftMaster



Push&Pull LM50EV

Power supply	220-240 V, 50/60 Hz
Max operating force	500 N
Power consumption (standby)	0.8 W
Travel speed	10 cm/s
Receiver frequency	433 / 868 MHz
Programming	Automatic
Basic set	Drive head with lamp, folding rail, 2-channel remote control (2 pcs.)
Application	

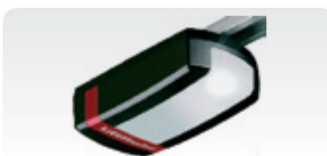
Door width up to 3500 mm
Door height up to 2300 mm
Max door weight 60 kg



LM60EV

Power supply	220-240 V, 50/60 Hz
Max operating force	600 N
Power consumption (standby)	0.8 W
Travel speed	16 cm/s
Receiver frequency	433 / 868 MHz
Programming	Automatic
Basic set	Drive head with lamp, folding rail, 2-channel remote control (2 pcs.), wired wall switch (indoor).
Application	

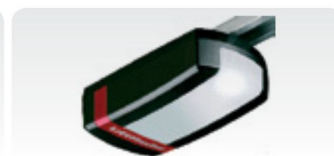
Door height up to 2300 mm, optionally with extension to 3250 mm*
Max door weight 90 kg



LM80EV

Power supply	220-240 V, 50/60 Hz
Max operating force	800 N
Power consumption (standby)	0.8 W
Travel speed	20 cm/s
Receiver frequency	433 / 868 MHz
Programming	Automatic
Basic set	Drive head with lamp, folding rail (max door height 2500 mm), 2-channel remote control (2 pcs.), wireless wall switch (indoor).
Application	

Door height up to 2300 mm, optionally with extension to 3250 mm*
Max door weight 110 kg



LM100EV

Power supply	220-240 V, 50/60 Hz
Max operating force	1000 N
Power consumption (standby)	0.8 W
Travel speed	20 cm/s
Receiver frequency	433 / 868 MHz
Programming	Automatic
Basic set	Drive head with lamp, folding rail (max door height 2500 mm), 4-channel remote control (2 pcs.), wireless wall switch (indoor).
Application	

Door height up to 2300 mm, optionally with extension to 3250 mm*
Max door weight 130 kg

Other Drives



Comfort 260

Power supply	230 V, 50/60 Hz
Max operating force	550 N
Power consumption (working)	250 W
Power consumption (standby)	4 W
Travel speed	Max 16 cm/s
Receiver frequency	868 MHz
Programming	Electronic
Basic set	Drive head with LED lamp, 2-channel remote control, set of mounting brackets and screws, rail.
Application	

Door width up to 3000 mm
Door height up to 2250 mm (optionally up to 3250 mm**)
Max door weight 90 kg



Comfort 270

Power supply	230 V, 50/60 Hz
Max operating force	750 N
Power consumption (working)	250 W
Power consumption (standby)	4 W
Travel speed	Max 16 cm/s
Receiver frequency	868 MHz
Programming	Electronic
Basic set	Drive head with LED lamp, 2-channel remote control, set of mounting brackets and screws, rail.
Application	

Door width up to 5500 mm
Door height up to 2250 mm (optionally up to 3250 mm**)
Max door weight 165 kg



Comfort 280

Power supply	230 V, 50/60 Hz
Max operating force	1000 N
Power consumption (working)	250 W
Power consumption (standby)	4 W
Travel speed	Max 16 cm/s
Receiver frequency	868 MHz
Programming	Electronic
Basic set	Drive head with LED lamp, 2-channel remote control, set of mounting brackets and screws, rail.
Application	

Door width up to 6000 mm
Door height up to 2250 mm (optionally up to 3250 mm**)
Max door weight 200 kg

Accessories

Drive accessories



emergency release
(for LiftMaster drives)



universal receiver
- up to 90 remotes
(for LiftMaster drives)



signal lamp
(for Comfort drives)



additional 4-channel
remote control
(for LiftMaster drives)



photocells
(one set)



wired internal switch
(for Comfort drives)



wireless external
coded switch
(for LiftMaster drives)



FLA1-LED lamp for
fence operators



wireless external switch
(for Comfort drives)



wireless external switch
(for LiftMaster drives)



rack (1 m)
for
fence drives



emergency release
(for Comfort drives)



drive monitoring
console
(for LiftMaster drives)



additional 2-channel
remote control
(for Comfort drives)



Internet gateway
(for LiftMaster drives)



additional 4-channel
remote control
(for Comfort drives)

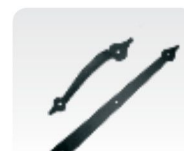
Garage door accessories



Possible painting in
any RAL colour



handle with lock



imitation of door
handles and hinges
(single set)



security bolt



set of slings
(6 angles, max.
length up to 66cm)