



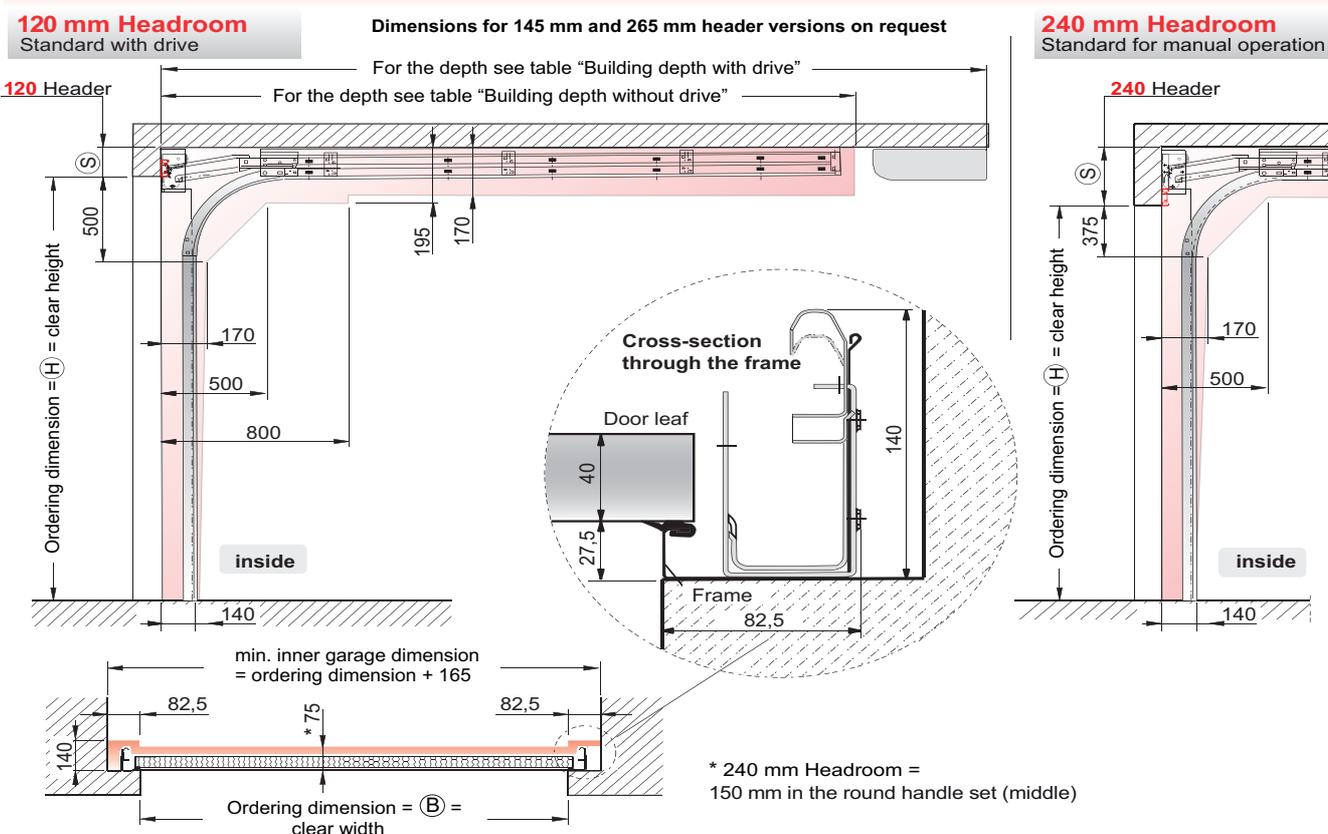
**Technical Guide January 2014.  
GSW 40-L.**

car **Teck**

**Sectional Garage Doors  
Side Hinged Garage Doors  
Super Size Garage Doors**

With security, design and comfort

# Installation data

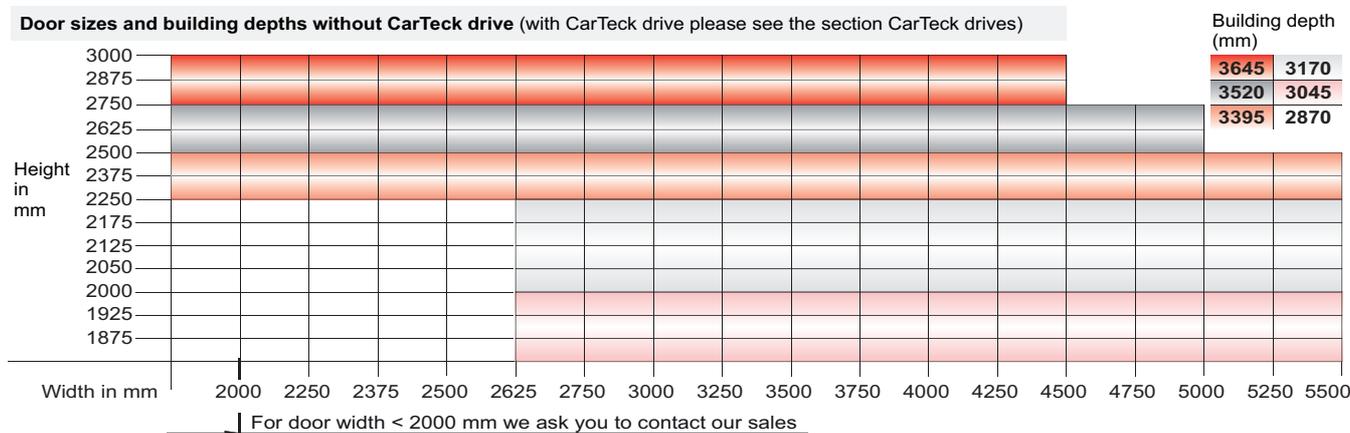


Please observe the following measurement details to guarantee exact assembly and precise and reliable operation of the CarTeck sectional door.

- (B) clear opening width (= ordering dimension)
  - (H) clear height (= ordering dimension)
- The clearance height corresponds to the distance from the upper edge of the floor to the lower edge of the header.  
When planning, please consider the distance will be reduced due to the application of screed or asphalt.

	Required headroom: (S)	Clear opening height:	
with drive	120 mm	completely free	<b>Standard version</b>
Manual operation	240 mm	- 25 mm	<b>Standard version</b>
Manual operation	120 mm	- 150 mm	Special version
Manual operation	120 mm	- 80 mm	Special version with door stopper (see accessories GSW doors)
with drive	240 mm	completely free	Special version with pack – 125 mm extended top roller retainers (see accessories GSW doors)

(S) The required headroom increases by + 25 mm for doors with reinforced roller retainers



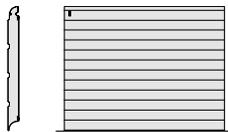


## GSW 40-S, GSW 40-M and GSW 40-L

### Double-skinned steel slats 40 mm

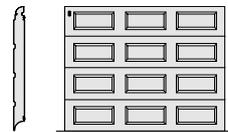
#### Product description

**Versions:** The drawings represent a 2500 x 2125 mm garage door



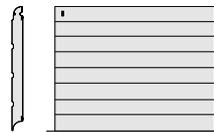
**Ribbed**

evenly arranged horizontal ribs of the door leaf



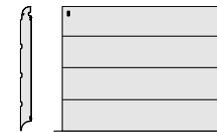
**with cassette**

evenly arranged panels across the whole width of the door



**Centre Ribbed**

evenly arranged horizontal ribs of the door leaf



**Unribbed**



**Tested burglar resistance:**

All GSW 40-S, GSW 40-M and GSW 40-L CarTeck sectional doors with CarTeck drive satisfy the TÜV-tested TTZ guidelines "Burglar resistance for garage doors".

This applies to all doors with a locked door leaf (without glazing and without a wicket door)

**5 Point Guarantee**



**5-year manufacturer's guarantee**

on rollers, hinges, springs\*, cable drums and cables under normal use of max. 5 openings/closings per day.

\*10-year manufacturer's guarantee with High-performance springs (see accessoires)

**10-year manufacturer's guarantee**

on the panel against rusting from the inside

**10-year manufacturer's guarantee**

on the steel splitting away from the foam

**10-year manufacturer's guarantee**

on the material and manufacturing faults of all immovable frame parts which are proven to be inoperative or seriously impaired on floor seal, central seals, side seals and header seal against perishing.

**10-year manufacturer's guarantee**

Please notify us immediately in writing if faults occur; the respective parts have to be sent to us on request.

Unfortunately, we shall not assume the costs for disassembly and assembly, freight or postage.

**Standard version**

**Garage sectional doors for domestic use**

- With special connection console for rail-guided CarTeck drives

**Door leaf GSW 40-S, GSW 40-M and GSW 40-L**

- Door leaf consisting of individual, double-skinned door sections, including central seal with even arrangement, made of galvanized sheet steel 0.4 mm (GSW 40-S 0.3 mm panel outer surface)
- With finished surface, two layers on the outside (polyester-based 25 µm), one layer on the inside (polyester-based 10 µm)
- Building depth of the sections is 40 mm. Polyurethane foam core
- Finger pinch protection inside and outside in accordance with DIN EN 12604
- U-value: 0.56 W/m²k (slat 40 mm), 0.95 W/m²k (only door leaf), 1.48 W/m²k (complete door, door surface 10 m²)
- All CarTeck sectional doors are supplied with finished surface quality

**Door leaf GSW 40-S**

**Surface inside:** Stucco design

**Standard colour inside:** Galvanized with transparent protective film (similar to Sendzimir galvanized)

**Surface outside:** Woodgrain design

**Standard colour outside:** Finished surface traffic white, similar to RAL 9016

**Door leaf GSW 40-M**

**Surface inside:** Stucco design

**Standard colour inside:** Galvanized with transparent protective film (similar to Sendzimir galvanized)

**Surface outside:** Woodgrain design, stucco design

**Standard colour outside:** Finished surface traffic white, similar to RAL 9016

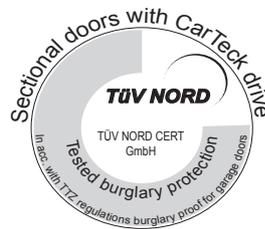
**Door leaf GSW 40-L**

**Surface inside:** Stucco design

**Standard colour inside:** Finished surface grey white, similar to RAL 9002

**Surface outside:** Woodgrain design, stucco design, smooth, micro-profiled

**Standard colour outside:** Finished surface traffic white, similar to RAL 9016



## Product description

Avoid dark, as well metallic or micaceous iron ore colours or films for garage doors in direct sunlight, since cracks, warpage and malfunctioning cannot be excluded. Panels may expand, but will return to original shape as they cool.

### CarTeck trend colours 2013 for GSW 40-M and GSW 40-L

CarTeck trend colours in coil coated design

Flame red	based on	<b>RAL 3000</b>	White aluminium	based on	<b>RAL 9006</b>
Moss green	based on	<b>RAL 6005</b>	Grey aluminium	based on	<b>RAL 9007</b>
Fir green	based on	<b>RAL 6009</b>			
Anthracite grey	based on	<b>RAL 7016</b>			
Light grey	based on	<b>RAL 7035</b>			
Quartz grey	based on	<b>RAL 7039</b>			
Window grey	based on	<b>RAL 7040</b>			
Sepia brown	based on	<b>RAL 8014</b>			
Cream	based on	<b>RAL 9001</b>			
Jet black	based on	<b>RAL 9005</b>			
			trend colours with metallic effect		
			micaceous iron ore particles, not high gloss		
			Grey shades	<b>TT 703</b> with micaceous iron ore particles	
			Brown shades	<b>TT 8014</b> with micaceous iron ore particles	
			Anthracite shades	<b>TT 9011</b> with micaceous iron ore particles	

We reserve the right to change our trend colours from coil-coated design to painted design.

### CarTeck wood designs 2013 for GSW 40-L

Film coating in UV resistant, thermoplastic surface film with wood design

- "Golden Oak"
- "Rosewood"
- "Dark Oak"
- "Winchester"

### CarTeck RAL of your choice for GSW 40-M, GSW 40-L

CarTeck Colour of the steel sections similar to RAL colour chart

Therefore, always contact the sales department for the following colours:

Black red	based on	<b>RAL 3007</b>
Black blue	based on	<b>RAL 5004</b>
Black grey	based on	<b>RAL 7021</b>
Black brown	based on	<b>RAL 8022</b>
Signal black	based on	<b>RAL 9004</b>
Jet black	based on	<b>RAL 9005</b>
Graphite black	based on	<b>RAL 9011</b>
Traffic black	based on	<b>RAL 9017</b>

The following RAL colours are not supplied:

Traffic purple	based on	<b>RAL 4006</b>
Purple violet	based on	<b>RAL 4007</b>
Matt black	based on	<b>RAL 9021</b>
Grey aluminium	based on	<b>RAL 9007</b>

This also applies to all pearl, fluorescent and metallic colours.

### Frame GSW 40-S

- Profile frame made of Sendzimir galvanized sheet steel, coil-coated with polyester finish surface traffic white similar to RAL 9016
- Seal casing with lip seal, at the side and at the header trim in EPDM quality
- 85 mm header trim default in traffic white similar to RAL 9016

### Frame GSW 40-M and GSW 40-L

- Profile frame made of Sendzimir galvanized sheet steel, coil-coated with polyester finish surface traffic white similar to RAL 9016
- Optionally frame panelling in trend and RAL colours or films in wood design too at an additional charge
- Seal casing with lip seal, at the side and at the header trim in EPDM quality
- 85 mm header trim default in trend and RAL colours or films in wood design

### Counterweight

- Via multiple tension spring / double cable system enclosed in a micro-profiled spring duct above the horizontal runner rail

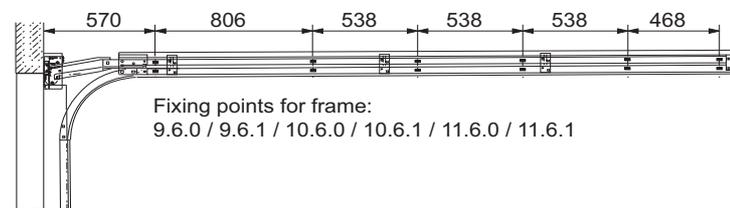
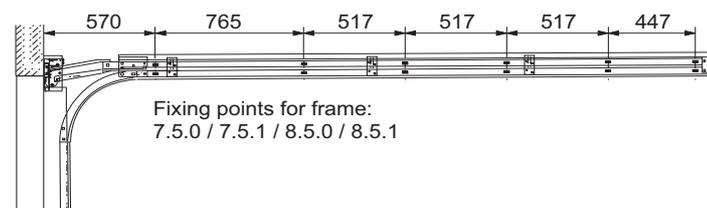
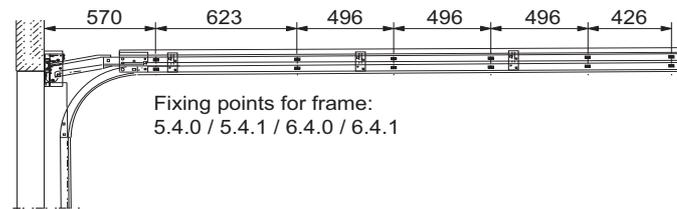
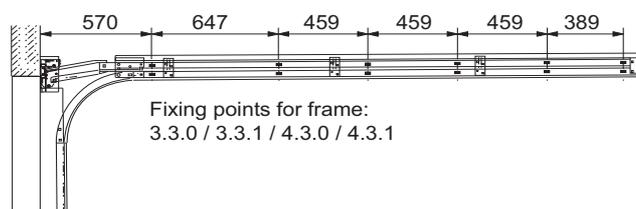
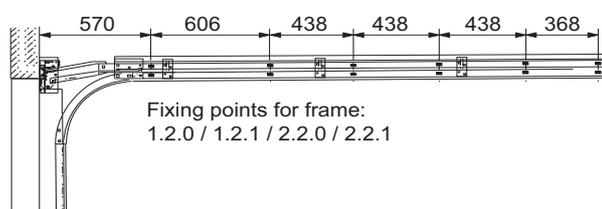
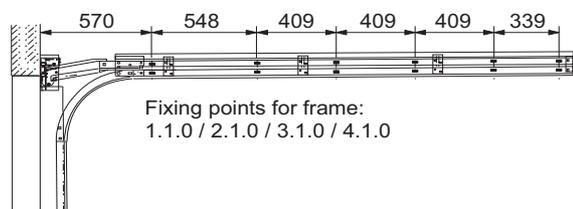
### Special version

- Default without manual locking mechanism. On request with manual locking mechanism (up to door width of 5000 mm)

Please refer to the CarTeck drives section for headrooms, recoil depths and descriptions.



# 1 Fixing points for frame

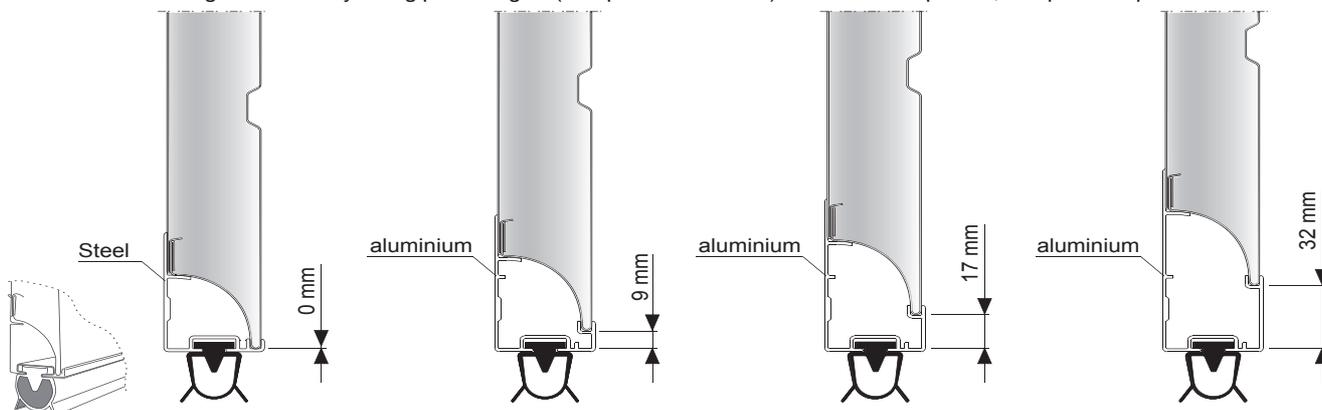


Height ↓	Frame component assignment												
3000 - 2876	10.6.0				10.6.1								
2875 - 2751	9.6.0				9.6.1	9.6.1	9.6.1	9.6.1	9.6.1	9.6.1	9.6.1		
2750 - 2626	8.5.0				8.5.1	8.5.1	8.5.1	8.5.1	8.5.1	8.5.1	8.5.1		
2625 - 2501	7.5.0				7.5.1	7.5.1	7.5.1	7.5.1	7.5.1	7.5.1	7.5.1		
2500 - 2376	6.4.0				6.4.1	6.4.1	6.4.1	6.4.1	6.4.1	6.4.1	6.4.1	6.4.1	6.4.1
2375 - 2251	5.4.0				5.4.1	5.4.1	5.4.1	5.4.1	5.4.1	5.4.1	5.4.1	5.4.1	5.4.1
2250 - 2126	4.1.0	4.3.0								4.3.1	4.3.1		
2125 - 2001	3.1.0	3.3.0								3.3.1			
2000 - 1876	2.1.0	2.2.0								2.2.1			
1875 - 1751	1.1.0	1.2.0								1.2.1			
→ Width	2000 - 2687	3501 - 3625	3626 - 3875	3876 - 4125	4126 - 4375	4376 - 4500	4501 - 4625	4626 - 4875	4876 - 5000	5001 - 5125	5126 - 5375	5376 - 5500	

## 2 Bottom profile

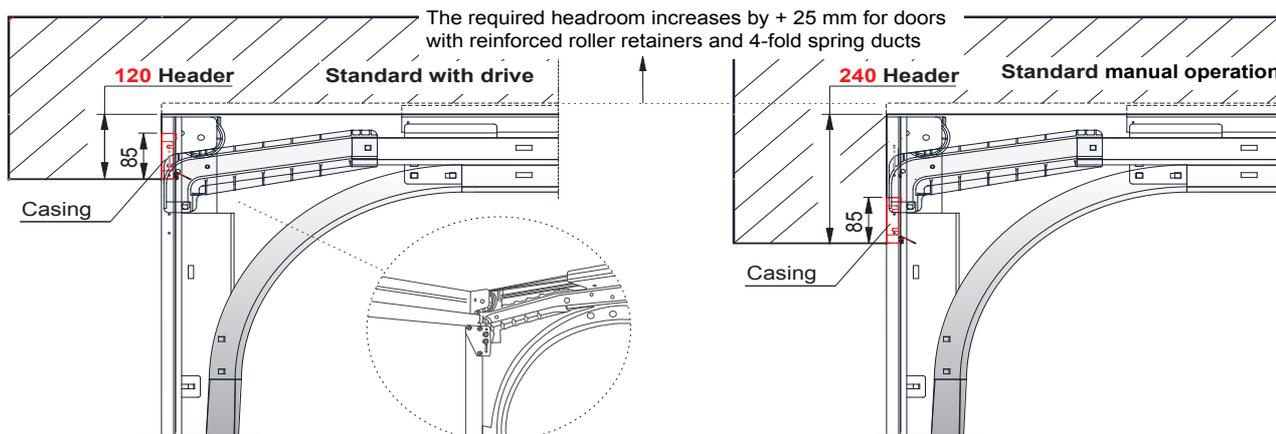
Depending on the size, 4 versions of the bottom profile  
0 mm, 9 mm, 17 mm, 32 mm are used.

Door height achieved by mixing panel heights (except ribbed variants). Use of bottom profiles, or top/bottom panel cut-downs.

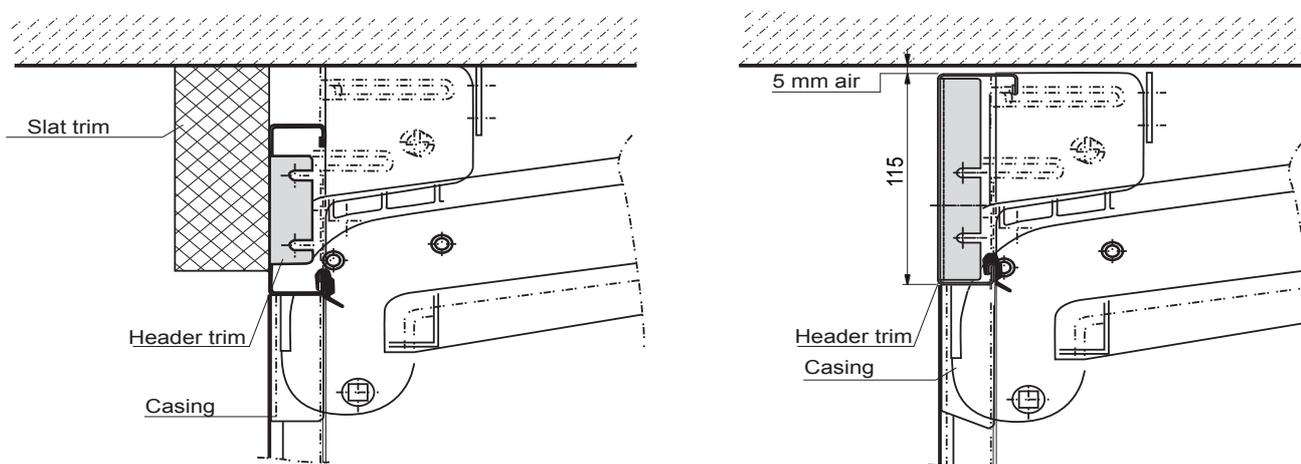


## 3 Headroom 120/240 mm

The required headroom increases by + 25 mm for doors with reinforced roller retainers and 4-fold spring ducts

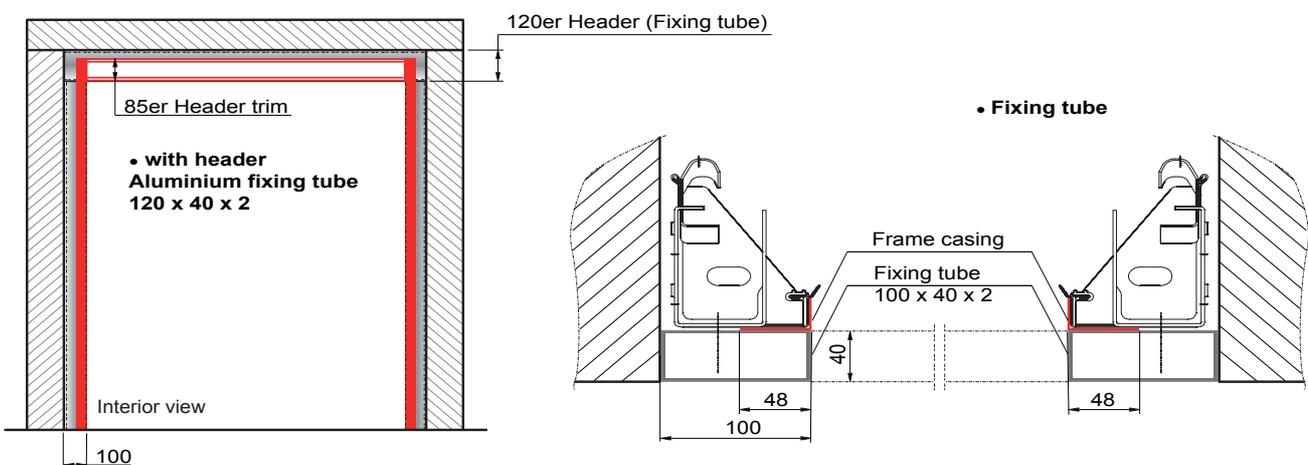
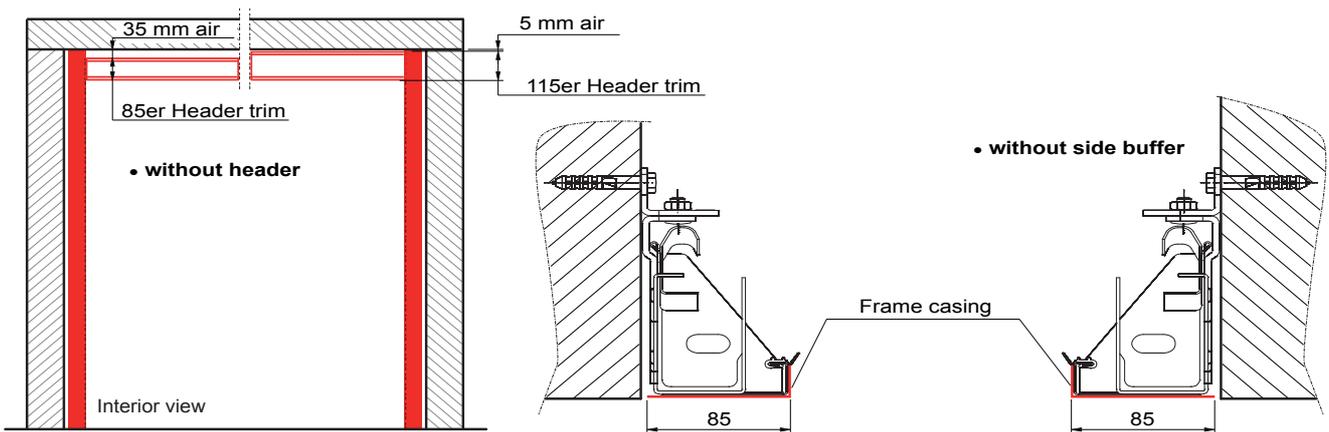
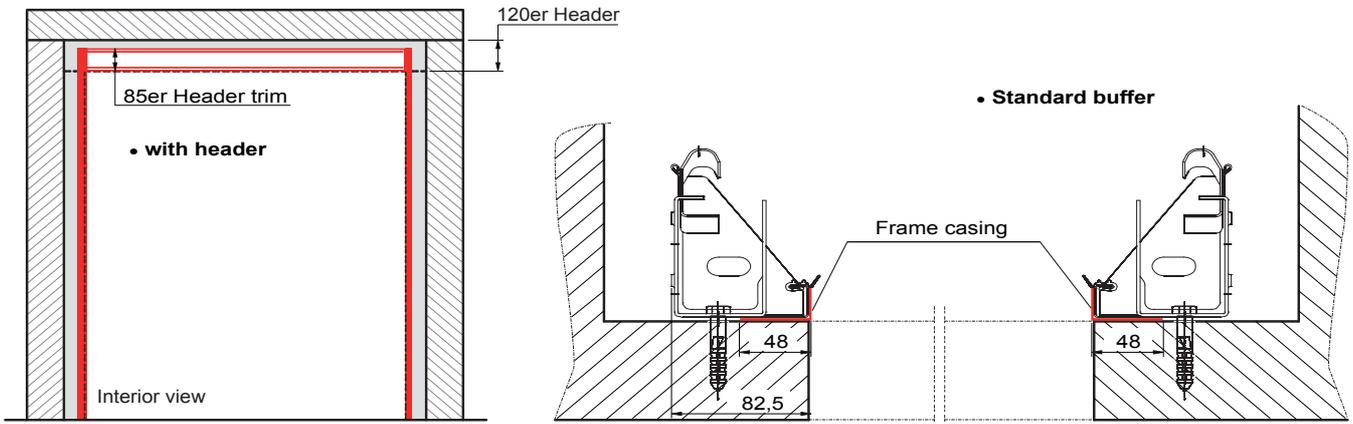


## 4 Slat trim / Header trim

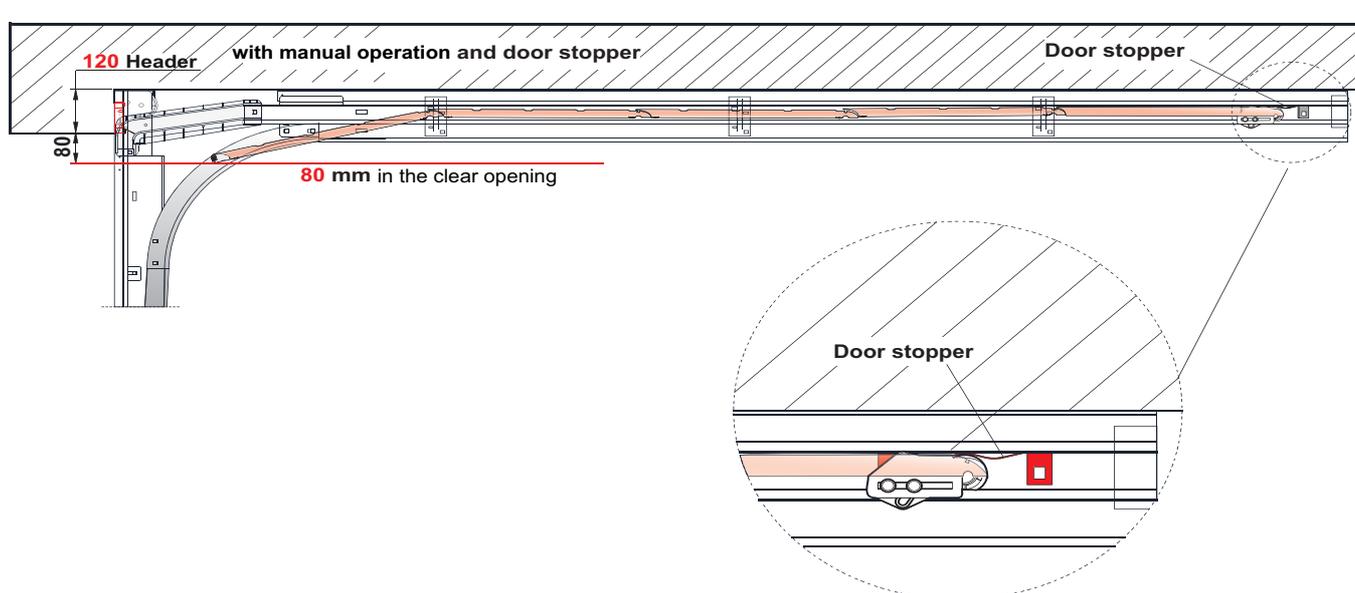
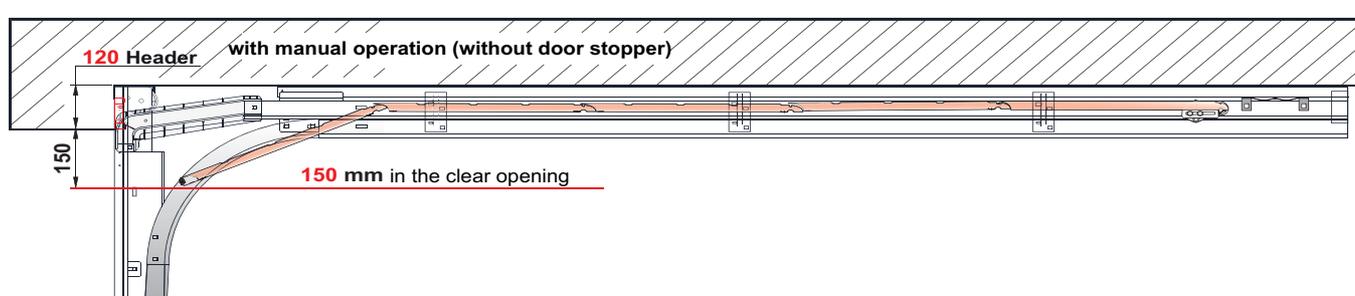




## 5 Buffer variants

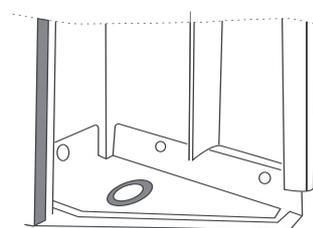
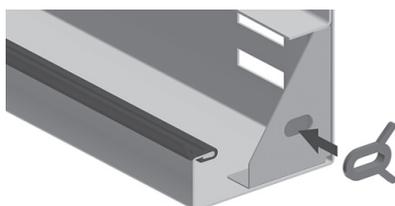


## 6 Door stopper



## 7 Covered corrosion protection / spacer

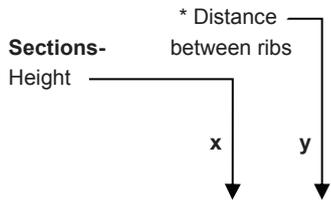
A special plastic element decouples the vertical frames from the floor. Whether after a rain shower or in the event of seeping dampness - the construction ensures that the foot section constantly receives air, dries quickly and is hence permanently protected from corrosion.



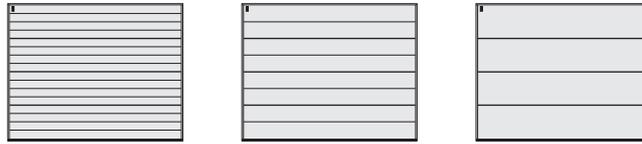


## Dimension tables

### Sectional door GSW 40 ribbed / centre ribbed and unribbed

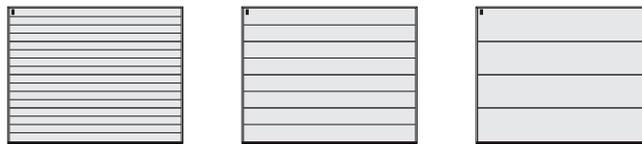
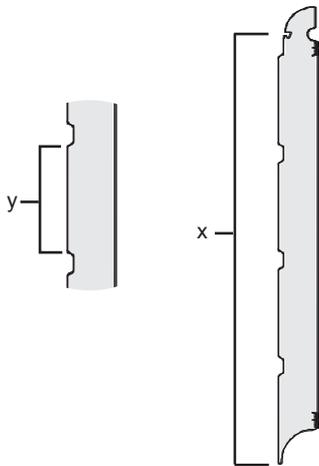
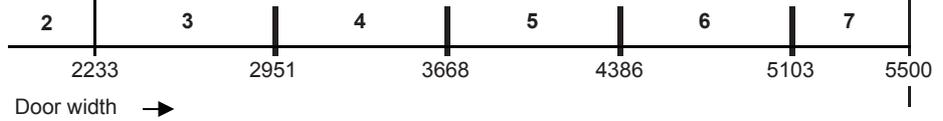


x	493	469	556	525
y	123	117	138	131

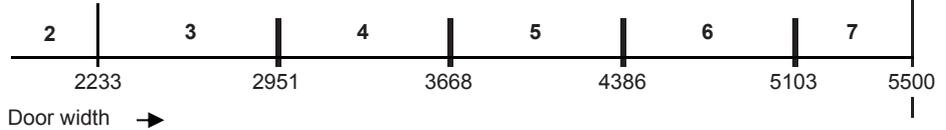


#### Type rectangular 1, crossbar, multiple mullion, rhombus-shaped

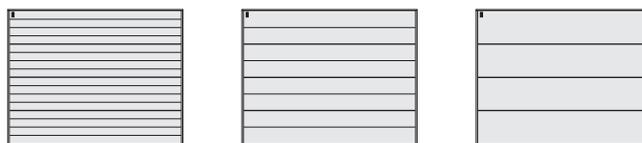
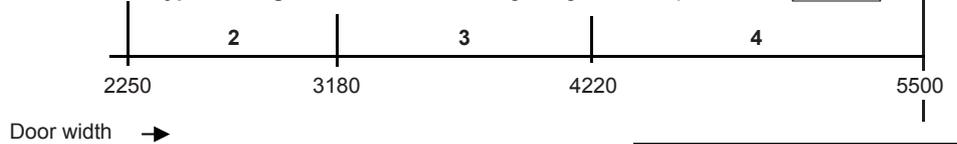
max. number of glazing elements per section



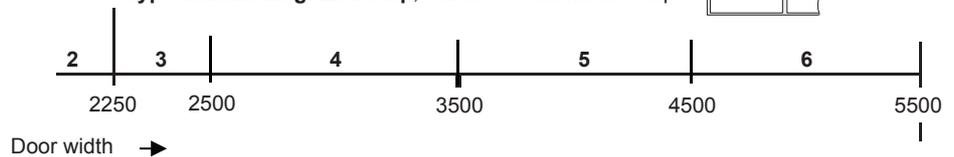
#### Type rectangular 2, max. number of glazing elements per section



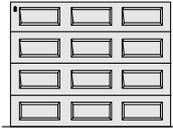
#### Type rectangular 3, max. number of glazing elements per section



#### Type aluminium glazed strip, Number of aluminium strips

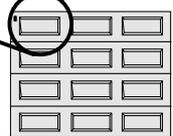
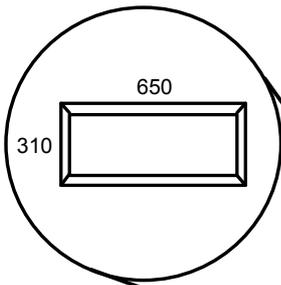
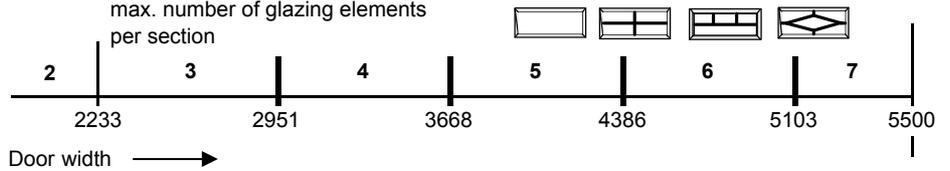


**Sectional door GSW 40 with cassette**

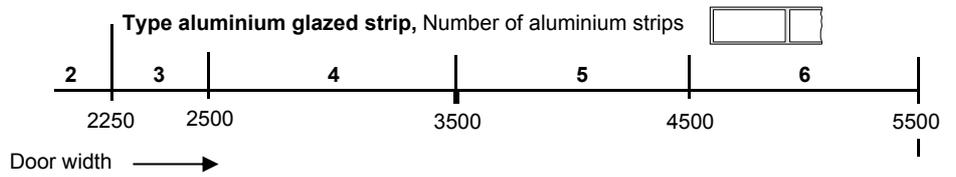


**Type rectangular 1, crossbar, multiple mullion, rhombus-shaped**

max. number of glazing elements per section



**Type aluminium glazed strip, Number of aluminium strips**



# carTeck<sup>®</sup> Sectional Door

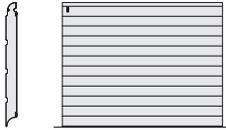
## GSW 40-L - Supersize



### Double-skinned steel slats 40 mm

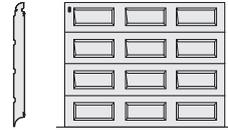
### Product description

**Versions:** The drawings represent a 2500 x 2125 mm garage door



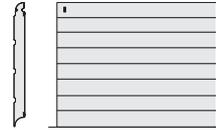
#### Ribbed

evenly arranged horizontal ribs of the door leaf



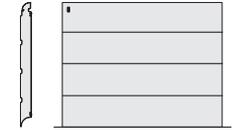
#### with cassette

evenly arranged panels across the whole width of the door



#### Centre Ribbed

evenly arranged horizontal ribs of the door leaf



#### Unribbed



#### Tested burglar resistance:

All GSW 40-S, GSW 40-M and GSW 40-L CarTeck sectional doors with CarTeck drive satisfy the TÜV-tested TTZ guidelines "Burglar resistance for garage doors".

This applies to all doors with a locked door leaf (without glazing and without a wicket door)

### 5 Point Guarantee



**5-year manufacturer's guarantee**

on rollers, hinges, springs\*, cable drums and cables under normal use of max. 5 openings/closings per day.

**10-year manufacturer's guarantee**

(see accessoires)

**10-year manufacturer's guarantee**

on the panel against rusting from the inside

**10-year manufacturer's guarantee**

on the steel splitting away from the foam

on the material and manufacturing faults of all immovable frame parts

which are proven to be inoperative or seriously impaired

on floor seal, central seals, side seals and header seal

against perishing.

**10-year manufacturer's guarantee**

Please notify us immediately in writing if faults occur; the respective parts have to be sent to us on request.

Unfortunately, we shall not assume the costs for disassembly and assembly, freight or postage.

### Standard version

- Garage sectional doors for domestic use
- With special connection console for rail-guided CarTeck drives

### Door leaf GSW 40-S, GSW 40-M and GSW 40-L

- Door leaf consisting of individual, double-skinned door sections, including central seal with even arrangement, made of galvanized sheet steel 0.4 mm (GSW 40-S 0.3 mm panel outer surface)
- With finished surface, two layers on the outside (polyester-based 25 µm), one layer on the inside (polyester-based 10 µm)
- Building depth of the sections is 40 mm. Polyurethane foam core
- Finger pinch protection inside and outside in accordance with DIN EN 12604
- U-value: 0.56 W/m<sup>2</sup>k (slat 40 mm), 0.95 W/m<sup>2</sup>k (only door leaf), 1.48 W/m<sup>2</sup>k (complete door, door surface 10 m<sup>2</sup>)
- All CarTeck sectional doors are supplied with finished surface quality

### Door leaf GSW 40-S

**Surface inside:** Stucco design

**Standard colour inside:** Galvanized with transparent protective film (similar to Sendzimir galvanized)

**Surface outside:** Woodgrain design

**Standard colour outside:** Finished surface traffic white, similar to RAL 9016

### Door leaf GSW 40-M

**Surface inside:** Stucco design

**Standard colour inside:** Galvanized with transparent protective film (similar to Sendzimir galvanized)

**Surface outside:** Woodgrain design, stucco design

**Standard colour outside:** Finished surface traffic white, similar to RAL 9016

### Door leaf GSW 40-L

**Surface inside:** Stucco design

**Standard colour inside:** Finished surface grey white, similar to RAL 9002

**Surface outside:** Woodgrain design, stucco design, smooth, micro-profiled

**Standard colour outside:** Finished surface traffic white, similar to RAL 9016

## Product description

Avoid dark, as well metallic or micaceous iron ore colours or films for garage doors in direct sunlight.

Panels may expand, but will return to original shape as they cool.

### CarTeck trend colours 2013 for GSW 40-M and GSW 40-L

CarTeck trend colours in coil coated design

Flame red	based on	<b>RAL 3000</b>	White aluminium	based on	<b>RAL 9006</b>
Moss green	based on	<b>RAL 6005</b>	Grey aluminium	based on	<b>RAL 9007</b>
Fir green	based on	<b>RAL 6009</b>			
Anthracite grey	based on	<b>RAL 7016</b>			
Light grey	based on	<b>RAL 7035</b>			
Quartz grey	based on	<b>RAL 7039</b>			
Window grey	based on	<b>RAL 7040</b>			
Sepia brown	based on	<b>RAL 8014</b>			
Cream	based on	<b>RAL 9001</b>			
Jet black	based on	<b>RAL 9005</b>			
			trend colours with metallic effect		
			micaceous iron ore particles, not high gloss		
			Grey shades	<b>TT 703</b> with micaceous iron ore particles	
			Brown shades	<b>TT 8014</b> with micaceous iron ore particles	
			Anthracite shades	<b>TT 9011</b> with micaceous iron ore particles	

We reserve the right to change our trend colours from coil-coated design to painted design.

### CarTeck wood designs 2013 for GSW 40-L

Film coating in UV resistant, thermoplastic surface film with wood design

- "Golden Oak"
  - "Rosewood"
  - "Dark Oak"
  - "Winchester"
- (Not Standard Rib)

### CarTeck RAL of your choice for GSW 40-M, GSW 40-L

CarTeck Colour of the steel sections similar to RAL colour chart

Therefore, always contact the sales department for the following colours:

Black red	based on	<b>RAL 3007</b>
Black blue	based on	<b>RAL 5004</b>
Black grey	based on	<b>RAL 7021</b>
Black brown	based on	<b>RAL 8022</b>
Signal black	based on	<b>RAL 9004</b>
Jet black	based on	<b>RAL 9005</b>
Graphite black	based on	<b>RAL 9011</b>
Traffic black	based on	<b>RAL 9017</b>

The following RAL colours are not supplied:

Traffic purple	based on	<b>RAL 4006</b>
Purple violet	based on	<b>RAL 4007</b>
Matt black	based on	<b>RAL 9021</b>
Grey aluminium	based on	<b>RAL 9007</b>

This also applies to all pearl, fluorescent and metallic colours.

### Frame GSW 40-S

- Profile frame made of Sendzimir galvanized sheet steel, coil-coated with polyester finish surface traffic white similar to RAL 9016
- Seal casing with lip seal, at the side and at the header trim in EPDM quality
- 85 mm header trim default in traffic white similar to RAL 9016

### Frame GSW 40-M and GSW 40-L

- Profile frame made of Sendzimir galvanized sheet steel, coil-coated with polyester finish surface traffic white similar to RAL 9016
- Optionally frame panelling in trend and RAL colours or films in wood design too at an additional charge
- Seal casing with lip seal, at the side and at the header trim in EPDM quality
- 85 mm header trim default in trend and RAL colours or films in wood design

### Counterweight

- Via multiple tension spring / double cable system enclosed in a micro-profiled spring duct above the horizontal runner rail

### Special version

- Default without manual locking mechanism. On request with manual locking mechanism (up to door width of 5000 mm)

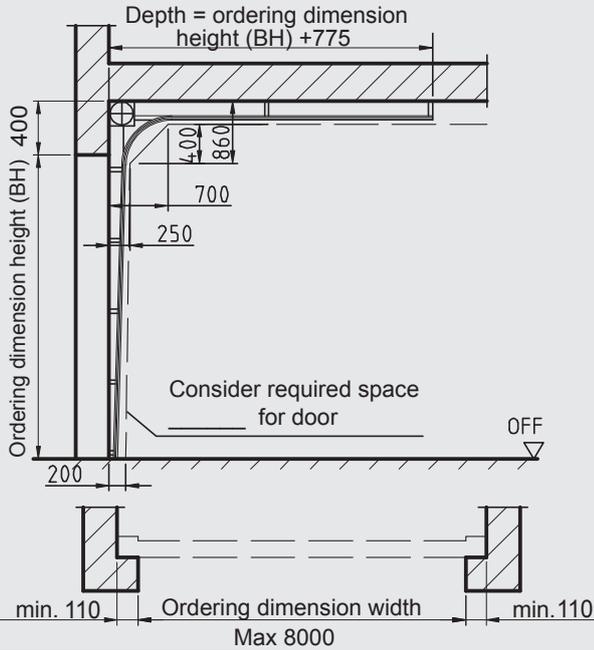
Please refer to the CarTeck drives section for headrooms, recoil depths and descriptions See page 13.



**N**

- Normal fitting

Doors over 5500mm wide have bracings to the rear of the door panels



NB Installation must be carried out by:  
1) Competent person  
2) Electrical programmer/installer

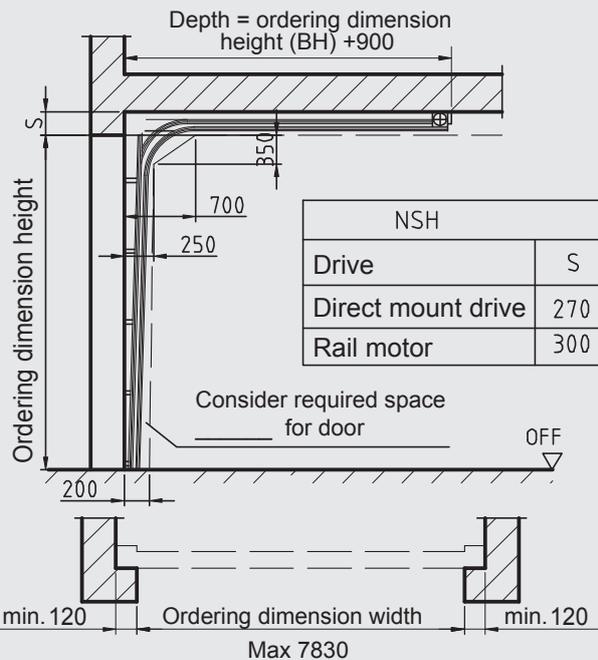
Type	Direct mo. drive
N/ND	110/220

N= side room without motor  
ND= side room where motor controlled

**NSH**

- Low headroom fitting

Doors over 5500mm wide have bracings to the rear of the door panels



NSH	
Drive	S
Direct mount drive	270
Rail motor	300

Type	Direct mo. drive
N/ND	110/220

N= side room without motor  
ND= side room where motor controlled

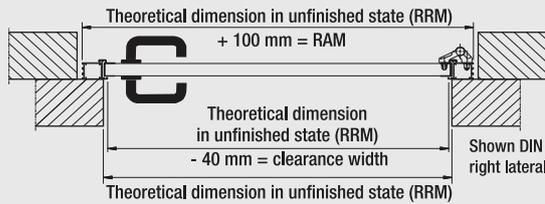
Doors have galvanised frame legs and are supplied without a header strip

# Installation Dimensions Side Hinged Doors

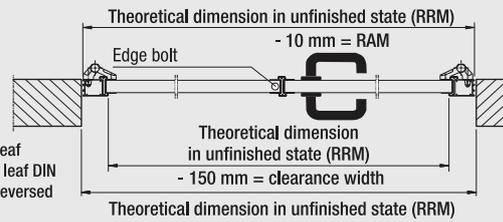
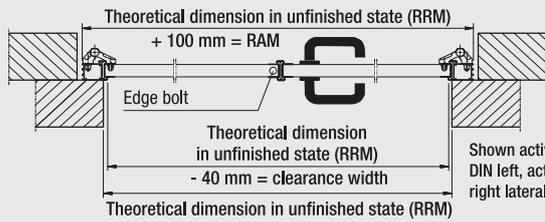
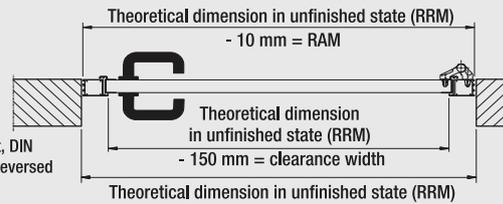
The section height and the height of the handle 'x' depend on the actual door height and construction of the door.



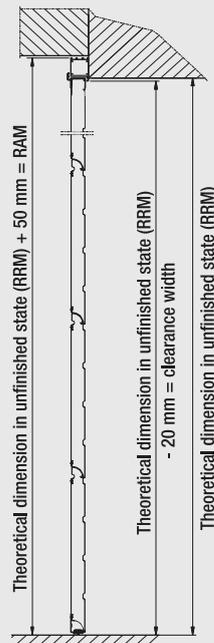
Installation behind the soffit, only inward opening



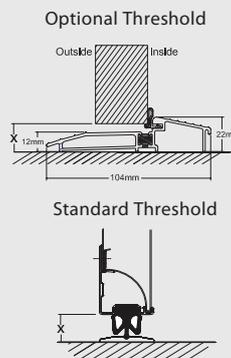
Installation within the soffit, inward or outward opening



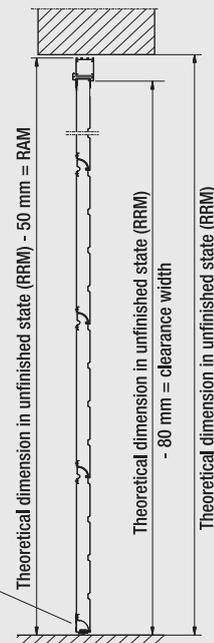
Installation behind the soffit, only inward opening



Caution: Frame outer dimension (RAM) = order size



Installation within the soffit, inward or outward opening



## Outstanding products, British company



### **The Teckentrup Depot**

The Teckentrup Depot is based in Warrington and manufactures side hinged garage doors, personnel doors, sectional garage doors and steel hinged doorsets. It is part of a global network of companies that manufacture and distribute products from Teckentrup GmbH, based in Germany. The Teckentrup Depot is an independent, British owned company, that takes German engineering excellence and adds British know-how to produce a unique range of high quality products!

The Teckentrup Depot (UK), Unit 7, 8 & 9, Gemini Trade Park, Europa Boulevard, Warrington WA5 7YF [www.teckentrupdepot.co.uk](http://www.teckentrupdepot.co.uk)  
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August 2013. As ours is a policy of progressive design, we reserve the right to alter specification without prior notice. Errors and omissions excepted.

