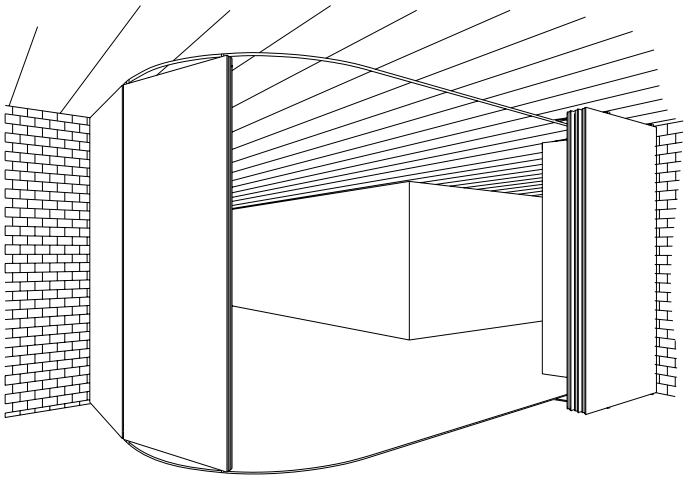


## Hardware system of modular design for stackable wooden partitions up to 100 and 150 kg (220 and 330 lbs.) per panel.

### Description

Thanks to the modular track system and its unrivalled cornering technique, Hawa Variotec 150 H enables the quick realization of all design concepts for room partitions. This hardware system allows straight running tracks/bottom guide channels and curved segments of 15, 30, 45, 60, 75 and 90 degrees to be combined to form customized configurations. Different trolleys are required depending on the door weight (100 or 150 kg / 220 or 330 lbs.).

Test certificates ot the Landesgewerbeanstalt Bayern (LGA) in Nuremberg confirm the hardware system's high functionality and resistance to wear.

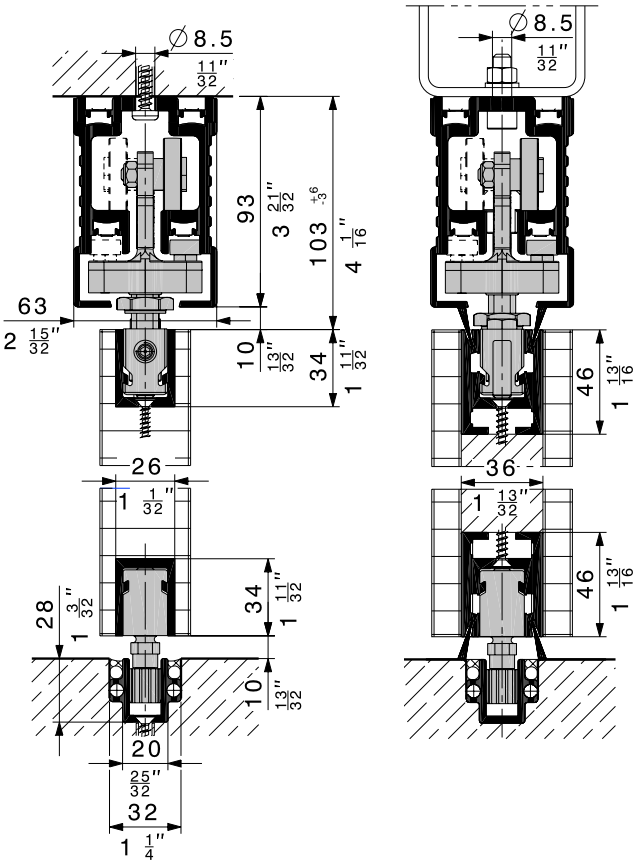
In principle, a version without bottom guide channels is possible. However, we recommend using them since this makes opening and closing the partitions more convenient.

### Applications

This hardware system is suitable for use wherever high quality and quiet operation are called for, e.g. in hotels, restaurants, banks, open-plan offices and exclusive interior designs.

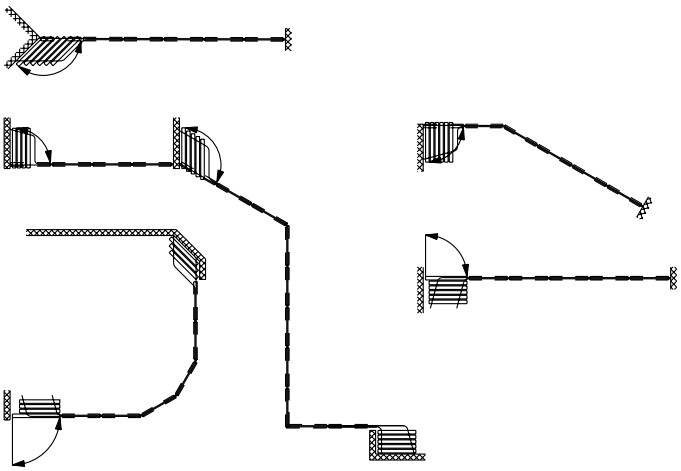
### Features of the Hawa Variotec 150 H

- Modular system
- Trolley with two-point guide
- Progressively adjustable height +6/-3 mm (+15/64"/1/8")
- Extremely light and smooth cornering
- Minimum axis radius 4000 mm (13'1 1/2")
- Maximum sliding door weight 150 kg (330 lbs.)
- Secure locking
- Small space requirement in stacking area



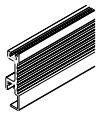
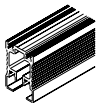
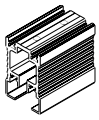
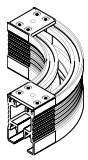
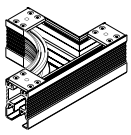
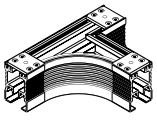

### Layout examples

The layout examples shown below demonstrate the many varied and creative application possibilities of the Hawa Variotec 150 H hardware system.

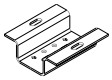


Subject to modification. Metric specifications are exact. Inches are approximate.

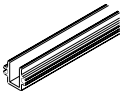
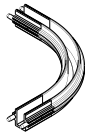
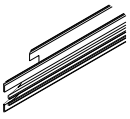
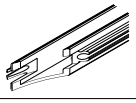
## Running tracks

| Caution: Hole positions vary | | | code |
|---|---|---|---|
|  | Single running track, alu plain anodized | 6000 mm (19'8 7/32") | 15358 |
| | | cut to size | 15360 |
|  | Dual running track, alu plain anodized, predrilled | 6000 mm (19'8 7/32") | 15361 |
| | | cut to size | 15362 |
|  | Servicing unit, dismountable | 100 mm (3 15/16") | 15380 |
|  | Inner curve running track, segment alu plain anodized | 15° | 15377 |
| | | 30° | 15375 |
| | | 45° | 15373 |
| | | 60° | 15371 |
| | | 75° | 15369 |
| | | 90° | 15367 |
| | Inner running track special curved segment, Rm 127, alu plain anodized | angle according to indication | 19801 |
|  | Outer curve running track, segment, alu plain anodized | 15° | 15376 |
| | | 30° | 15374 |
| | | 45° | 15372 |
| | | 60° | 15370 |
| | | 75° | 15368 |
| | | 90° | 15366 |
| | Outer running track special curved segment, Rm 127, alu plain anodized | angle according to indication | 19800 |
|  | Running track dual curved segment, for change in direction, alu plain anodized | 15° | 15718 |
| | | 30° | 15719 |
| | | 45° | 15720 |
| | | 60° | 15721 |
| | | 75° | 15722 |
| | | 90° | 15723 |
| | Running track special dual curved segment Rm 127, alu plain anodized | angle according to indication | 18667 |
|  | Running track curved segment, parking area branch, parking area left, alu plain anodized | 45° | 17551 |
| | | 60° | 15845 |
| | | 75° | 15843 |
| | | 90° | 15841 |
|  | Running track curved segment, parking area branch, parking area right, alu plain anodized | 45° | 17552 |
| | | 60° | 15846 |
| | | 75° | 15844 |
| | | 90° | 15842 |

## Running tracks – accessories

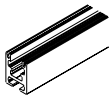
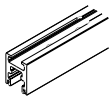
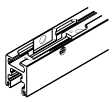
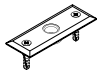
| Caution: Hole positions vary | | code |
|---|---|---|
|  | Cover plate for dual running track, complete | 15439 |
|  | Top-fixing plate for single running track | 15414 |
|  | Top-fixing plate for 2 x single running track | 15383 |
|  | Coupler to running track, galvanized steel | 17232 |
|  | Matching segment dual running track, 45° – 90°, left | 16173 |
|  | Matching segment dual running track, 45° – 90°, right | 16174 |
|  | Running track stop for single track | 13779 |
|  | Running track stop for dual track | 13780 |
|  | Connecting bracket for ceiling structure, without fixing parts | 17045 |
|  | Assembly parts for connecting bracket for ceiling structure | 19321 |

## Bottom guide channels and accessories

| Caution: Hole positions vary | | | code |
|---|---|---|---|
|  | Bottom guide channel, alu plain anodized, predrilled | 6000 mm (19'8 7/32") | 13688 |
| | | cut to size | 13690 |
|  | Curved bottom guide channel, alu plain anodized, predrilled | 15° | 13644 |
| | | 30° | 13647 |
| | | 45° | 13650 |
| | | 60° | 13653 |
| | | 75° | 13656 |
| | | 90° | 13659 |
| | Bottom guide channel special dual curved segment, Rm 127, alu plain anodized | angle according to indication | 19645 |
|  | Matching segment for bottom guide channel, 45 – 90°, left | | 16778 |
|  | Matching segment for bottom guide channel, 45 – 90°, right | | 16779 |
|  | Connecting bolt, Ø 6 x 40 mm (1/4" x 1 19/32"), stainless steel | | 13759 |

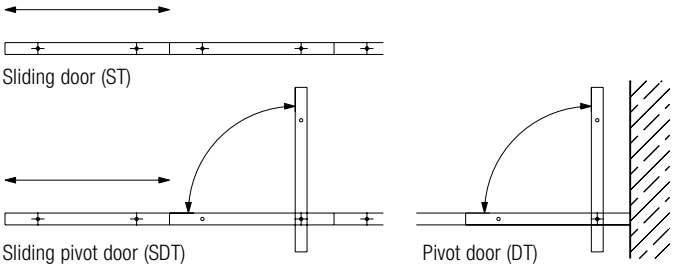
Subject to modification. Metric specifications are exact. Inches are approximate.

## Sliding pivot door – components

| | | | code |
|---|---|---|---|
|  | Two-wheeled trolley, M14, with plastic-tyred wheels and suspension plate (sliding pivot doors up to 90 kg [198 lbs.] and 3000 mm [9'10 1/8"] height) | | 13821 |
|  | Holding device, sliding swing door/sliding pivot door, for running tracks with integrated cover | | 15398 |
|  | Stop plate complete for sliding swing door/sliding pivot door | | 15429 |
|  | Contact plate for sliding pivot door | | 14265 |
|  | Suspension profile, cut to size, alu unanodized, predrilled | | 14232 |
|  | Suspension profile, cut to size, alu unanodized, predrilled, for sliding pivot door, with cutout for strike plate | | 14260 |
| | Suspension profile, cut to size, alu unanodized, undrilled, for sliding pivot door, with cutout for strike plate | | 14261 |
|  | Suspension profile, cut to size, alu unanodized, predrilled, for sliding pivot door, with cutout for lock | | 14233 |
| | Suspension profile, cut to size, alu unanodized, predrilled, for sliding pivot door, with cutout for deadbolt lock | | 14234 |
|  | Suspension profile cover cap, plastic black | | 14211 |
|  | Lock complete, for sliding pivot door | left | 14213 |
| | | right | 14214 |
|  | Pivot bearing, for sliding pivot door | | 14197 |
|  | Door stop, for sliding pivot door | | 14207 |
|  | Centering assembly for sliding pivot door | | 14264 |
|  | Deadbolt lock 13 mm (17/32"), galvanized steel, for sliding pivot door | | 14087 |
|  | Stike plate/pivot bearing, chromium-plated steel | | 14088 |
|  | Key for deadbolt lock, 10721, 10726, 13144 | | 10723 |
|  | Slip-fit rose, brass dull nickel finish | | 13858 |
|  | Short connecting rod for door height up to ≤ 2500 mm (8'2 7/16") | | 14164 |
| | Long connecting rod for door height up to ≥ 2500 mm (8'2 7/16") | | 14165 |

## Door types

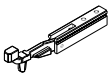
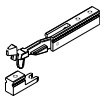
Different door types can be combined to accommodate customized design preferences and creative solutions.




## Pivot door – components

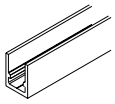
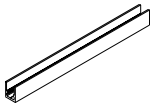
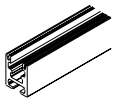
| | | code |
|---|---|---|
|  | Servicing unit, dismountable, 100 mm (3 15/16") | 15380 |
|  | Pivot bearing for swing door and pivot door (without running track) | 16196 |
|  | Driver, vertically adjustable, for pivot door | 16325 |
|  | Thrust bearing adjustable, Inox, for fitting into bottom guide channel | 22299 |
|  | Thrust bearing sleeve, Ø 30 mm (1 3/16"), for pivot door | 16326 |

## Sliding door – components

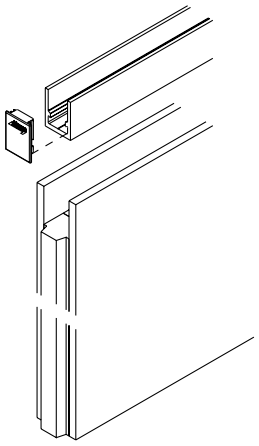
| | | code |
|---|---|---|
|  | Single-wheeled trolley, M14, with plastic-tired ball bearing wheels and suspension plate (for maximum sliding door weights 100 kg (220 lbs.) | 13778 |
|  | Two-wheeled trolley, M14, with plastic-tired ball bearing wheels and suspension plate (for maximum sliding door weights 150 kg (330 lbs.) | 13818 |
|  | Guide plastic, 14 mm (9/16") | 13781 |
|  | Floor locking lever | 19820 |
|  | Floor locking lever 0–18° | 19822 |

Subject to modification. Metric specifications are exact. Inches are approximate.

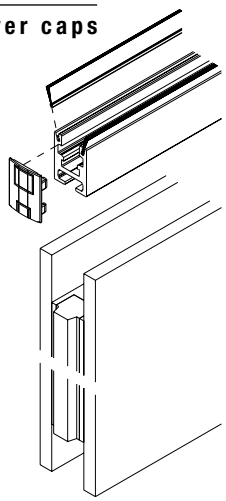
## Suspension profiles and cover caps

| Caution: Hole positions vary | | | code |
|---|---|---|---|
|  | Multi-purpose suspension and retainer profile, alu plain anodized, predrilled | cut to size | 10347 |
|  | Top fixed suspension | 350 mm (1'1 25/32") | 11004 |
|  | Cover cap for top fixed suspension, plastic anthracit-grey RAL 7016, for profile 10347/11004 | | 20907 |
|  | Multi-purpose suspension and retainer profile, alu plain anodized, predrilled | cut to size | 14232 |
|  | Suspension profile cover cap, plastic black, for profile 14232 | | 14211 |

### Suspension profiles and cover caps

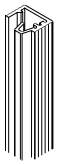


Suspension profile: 10347/11004
Cover cap: 20907



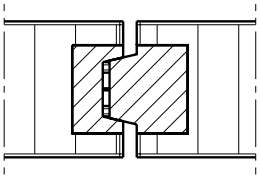
Suspension profile: 14232
Cover cap: 14211
Brush seal: 16797/13791

## Seal profile / rubber profile

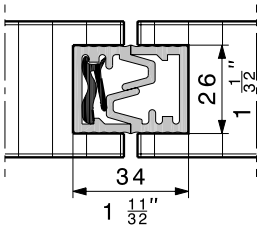
| Deployment between the sliding doors | | | code |
|---|---|---|---|
|  | Seal profile, alu plain anodized, predrilled | 6000 mm (19'8 7/32") | 14223 |
| | | cut to size | 13528 |
|  | Rubber profile, black | roll of 20 m (65'7 13/32") | 15340 |
| | | cut to size | 13571 |

### Panel centering

Door panels must be centred to ensure flush fitting.

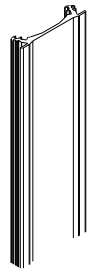


Version A
With customer-supplied wooden strips

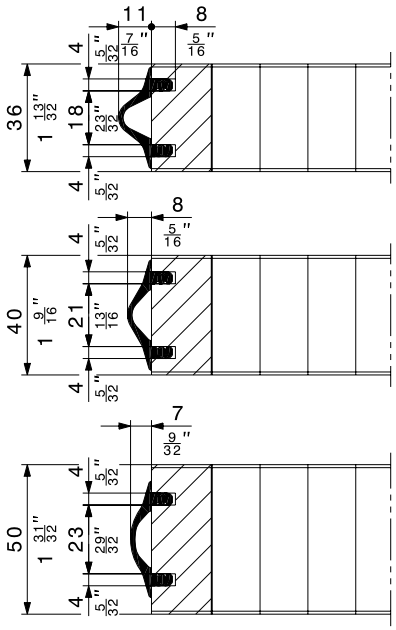



Version B
With Hawa seal profile, plain anodised aluminium (13528) including black rubber profile (13571)

## Protective edge trims / brush seal

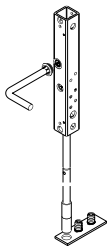
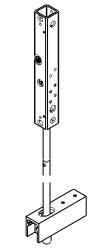
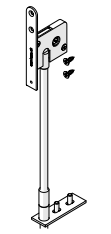
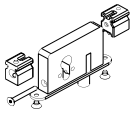
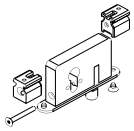
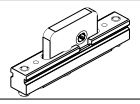
| | | roll of | code |
|---|---|---|---|
|  | Hawa protective edge trim, black, similar RAL 7021 | 5 m (16'4 27/32") | 10626 |
| | | 10 m (32'9 23/32") | 12325 |
| | Hawa protective edge trim, brown, similar RAL 8024 | 5 m (16'4 27/32") | 10627 |
| | | 10 m (32'9 23/32") | 12326 |
| | Hawa protective edge trim, cream-white, similar RAL 9001 | 5 m (16'4 27/32") | 10649 |
| | | 10 m (32'9 23/32") | 12327 |
| | Hawa protective edge trim, beige, similar RAL 1001 | 5 m (16'4 27/32") | 15620 |
| | | 10 m (32'9 23/32") | 15621 |
|  | Brush seal 2,6/18 x 920 mm (1/8"/ 23/32" x 3'0 7/32") | | 16797 |
| | Brush seal 2,6/18 mm x 1200 mm (1/8"/ 23/32" x 3'11 1/4") | | 13791 |

### Protective edge trims




Subject to modification. Metric specifications are exact. Inches are approximate.

## Locks

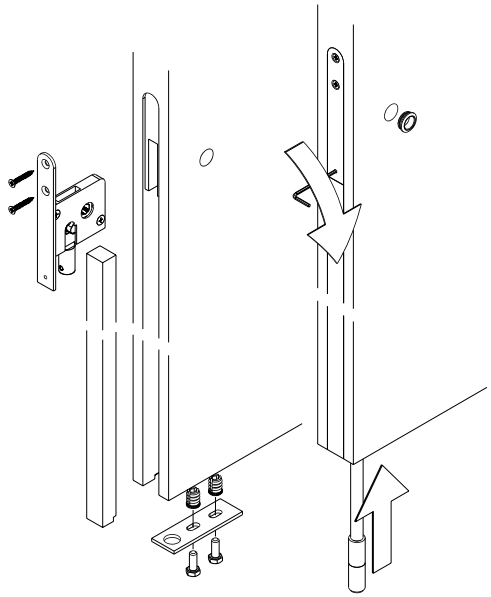
| | | | code |
|---|---|---|---|
|  | Hawa Doorfix<br>Bar bolt lock, galvanized steel<br>Backset 18 mm ($\frac{23}{32}$")<br>Socket square/hexagonal 7/8 mm<br>Total lift of push rod: 46 mm (1$\frac{13}{16}$")<br>Double turn,<br>1st level 28 mm (1$\frac{1}{8}$")<br>2nd level 18 mm ($\frac{23}{32}$")<br>Operation height:<br>980 mm or 830 mm (3'11$\frac{13}{16}$" or 2'8$\frac{11}{16}$"),<br>complete<br>Push rod can be shortened.<br><br>The bar bolt lock can be operated from the door surface as well as from the front with a square/hexagonal key.<br>Assembly dimensions → page 46 | | 15077 |
|  | Hawa Doorfix<br>Bar bolt lock, galvanized steel<br>Backset 18 mm ($\frac{23}{32}$")<br>Socket square/hexagonal 7/8 mm<br>Total lift of push rod: 46 mm (1$\frac{13}{16}$")<br>Double turn,<br>1st level 28 mm (1$\frac{1}{8}$")<br>2nd level 18 mm ($\frac{23}{32}$")<br>Operation height:<br>980 mm or 830 mm (3'11$\frac{13}{16}$" or 2'8$\frac{11}{16}$"),<br>complete<br><br>Assembly dimensions → page 46 | | 14188 |
|  | Bar bolt lock<br>Backset 42.5 mm (1$\frac{11}{16}$")<br>Socket square/hexagonal, 7/8 mm<br>Total lift of push rod: 18 mm ($\frac{23}{32}$")<br>Operation height: 960 mm (3'11$\frac{13}{16}$")<br>complete<br><br>The bar bolt lock can be operated from the door surface with a square/hexagonal key. | | 19592 |
|  | Dead bolt lock, galvanized steel,<br>13 mm ($\frac{17}{32}$")<br>Backset 29.5 mm ($\frac{15}{32}$")<br>Socket square/hexagonal 7/8 mm | | 10726 |
|  | Hawa bar bolt lock,<br>13 mm ($\frac{17}{32}$")<br>Galvanized steel<br>Backset 34.5 mm (1$\frac{11}{32}$") | profile cylinder 17 mm ($\frac{11}{16}$") | 16695 |
| | | round cylinder 22 mm ($\frac{7}{8}$") | 16696 |
| | | square/hexagon socket 7/8 mm | 16697 |
|  | Bar bolt lock,<br>with guide pin | profile cylinder 17 mm ($\frac{11}{16}$") | 18478 |
| | | round cylinder 22 mm ($\frac{7}{8}$") | 18479 |
| | | square/hexagon socket 7/8 mm | 18388 |
|  | Bar bolt lock<br>with retention pin | profile cylinder 17 mm ($\frac{11}{16}$") | 16760 |
| | | round cylinder 22 mm ($\frac{7}{8}$") | 16761 |
| | | square/hexagon | 16762 |
|  | Bar bolt lock<br>with guide pin<br>and fixing parts | profile cylinder 17 mm ($\frac{11}{16}$") | 18484 |
| | | round cylinder 22 mm ($\frac{7}{8}$") | 18485 |
| | | square/hexagon | 18486 |
|  | Pivot bearing or deadbolt lock 13 mm ($\frac{17}{32}$"),<br>galvanized steel, for sliding pivot door | | 14087 |

## Locks – accessories

| | | code |
|---|---|---|
|  | Key for deadbolt lock<br>to 10721, 10726, 13144 | 10723 |
|  | Thumbturn, chromium finish,<br>for panel thickness 35 to 40 mm (1$\frac{3}{8}$" to 1$\frac{19}{32}$") | 13789 |
|  | Thumbturn, chromium finish,<br>for panel thickness 41 to 57 mm (1$\frac{5}{8}$" to 2$\frac{1}{4}$") | 19806 |
|  | Floor-mounted sleeve,<br>dull chromium-plated brass | 13858 |
|  | Strike plate, chromium-plated steel | 13130 |
|  | Floor-mounted sleeve with oblong hole<br>and chromium plated brass spring cover,<br>Ø 36 mm (1$\frac{7}{16}$") | 13787 |
|  | Rosette for floor-mounted sleeve 13787 | 17326 |

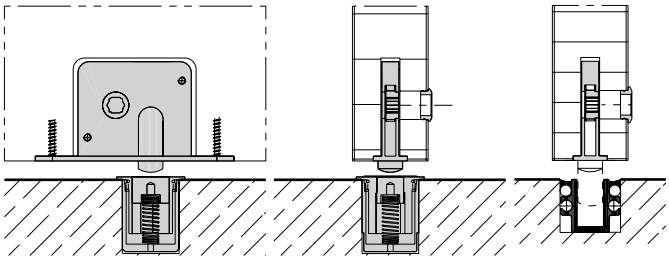
### Example 1: Locking at handle height

Bar bolt lock code 19592 allows locking the sliding door at handle height.



### Example 2: Floor locking

The deadbolt lock code 10726 provides unobtrusive, barely visible locking at the panel bottom edge.

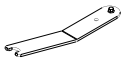


Locking with floor-mounted sleeve code 13787

Locking with bottom guide channel

Subject to modification. Metric specifications are exact. Inches are approximate.

## Tools

| | | code |
|---|---|---|
|  | Fork spanner SW 22/12/13 mm ($\frac{7}{8}$"/$\frac{15}{32}$"/$\frac{17}{32}$"), pivot door vertical adjustment | 15409 |
|  | Fork spanner SW 17/8/13 mm ($\frac{11}{16}$"/$\frac{5}{16}$"/$\frac{17}{32}$") | 15459 |
|  | Wrench, hexagon 5 mm ($\frac{7}{32}$"), SW 11 mm ($\frac{7}{16}$") | 17110 |

## Services

| | code |
|---|---|
| Cutout, bar bolt lock for 17 mm ($\frac{11}{16}$"), 22 mm ($\frac{7}{8}$"), square/hexagon socket | 22985 |
| Cutout in suspension profile for bar bolt lock | 14241 |
| Cutout for holding device for running tracks with integrated cover | 15421 |

### Quote preparation and design

We require the following details to prepare a quote and design version for you:

- Clearance dimensions
- Quantity of sliding doors
- Quantity of pivot doors
- Quantity of sliding pivot doors
- Door width
- Door height
- Door thickness

### Order specifications

- Quantity and type of components for sliding doors, pivot doors and sliding pivot doors
- Quantity, type and length of running track
- Quantity and type of running track accessories
- Quantity, type and length of bottom guide channel
- Quantity and type of bottom guide channel accessories
- Quantity and length of seal profile
- Quantity and length or rubber profile
- Quantity, type and length of Hawa protective edge trim
- Quantity and type of locks
- Quantity and type of lock accessories

### Planning/installation

For planning and installation purposes, please use the installation drawing code 21718 (parallel) or 21719 (90°) (→ www.hawa.ch → Hawa Productfinder)