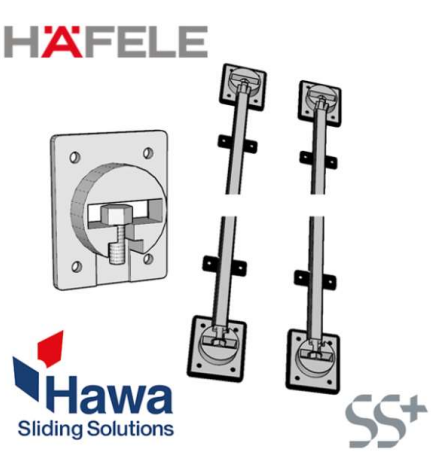
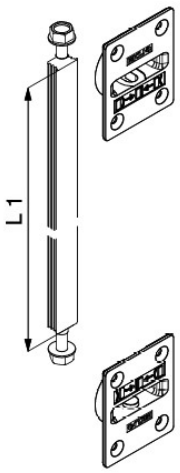
HAWA Door Straighteners User Guide.





Introduction

Overview

- This package from Solid Setup Plus adds the HAWA Door Straighteners to Doors in Cabinet Vision.
- This package is included in the HAWA Concepta III package from Solid Setup Plus but can be purchased separately.
- It provides drilling for the tensioners and brackets, and a Dado for the threaded bars for CNC output.
- Includes all 4 height ranges in 3 colors.
- It also adds 3d graphics for the various parts.
- The Set is added as a separate part and material for reporting purposes.
- Allowance for the cutting down of the bars and profiles for shorter doors is included.

Included in This Package

User Created Standards

- { DOOR } -- Hawa Straightener -Adds the Hawa Door Straighteners

Materials:

Name	Description
Straightener Tensioner Black	Straightener Tensioner Black kit item
Straightener Tensioner Zinc	Straightener Tensioner Zinc kit item
Straightener Bracket Black	Straightener Bracket Black #056.2023.001
Straightener Bracket Black in Kit	Straightener Bracket Black Kit Item
Straightener Set Alu Ano 1075	Straightener Set Alu Ano 1075 N/A
Straightener Set Alu Ano 1575	Straightener Set Alu Ano 1575 #056.3192.080
Straightener Set Alu Ano 1900	Straightener Set Alu Ano 1900 #056.3192.082
Straightener Set Alu Ano 2100	Straightener Set Alu Ano 2100 #056.3192.071
Straightener Set Alu Raw 1075	Straightener Set Alu Raw 1075 #056.3192.073
Straightener Set Alu Raw 1575	Straightener Set Alu Raw 1575 #056.3192.079
Straightener Set Alu Raw 1900	Straightener Set Alu Raw 1900 #056.3192.072
Straightener Set Alu Raw 2100	Straightener Set Alu Raw 2100 N/A
Straightener Set Black 1075	Straightener Set Black 1075 #056.3192.076
Straightener Set Black 1575	Straightener Set Black 1575 #056.3192.081
Straightener Set Black 1900	Straightener Set Black 1900 #056.3192.075
Straightener Set Black 2100	Straightener Set Black 2100 #056.3192.074
Straightener Cover Cap Black	Straightener Cover Cap Black #056.0201.071
Straightener Cover Cap Black in Kit	Straightener Cover Cap Black
Straightener Profile Bar	Straightener Profile Bar
Straightener Profile Alu Ano	Straightener Profile Alu Ano
Straightener Profile Alu Raw	Straightener Profile Alu Raw
Straightener Profile Alu Black	Straightener Profile Alu Black

HAWA Staighteners Usage

Door Attributes

To Add the HAWA Straighteners to a door please select the Straightener ? attribute on the Door to see the following attributes:

Straightener ?	True
Straightener Brackets?	True
Straightener Color	Alu Raw
Straightener Kit Size	1715-2275
Straightener Length	1575
Straightener Pos 1	149.5
Straightener Pos 2	448.5
Straightener Qty	2

Straightener ? Turn off/on (will turn on automatically if using our HAWA Concepta III package)
Straightener Brackets Add retaining plates and drill door (qty is automatic based on Straightener length)
Straightener Color Select Alu Raw or Alu Anodized or Black
Straightener Kit Size Select Automatic, or 1215-1715 or 1715-2275 or 2040-2600 or 2240-2850 max door height kit size for ordering
Straightener Length Override length between tensioners if required (tensioners must be between 100mm and 250mm from top/bottom of door)
Straightener Pos 1 Adjust left straightener position – default is ¼ door width (or center when qty = 1)
Straightener Pos 2 Adjust right straightener position – default is ¾ door width
Straightener Qty choose 1 or 2 (default is 1 for less than 600m wide door and 2 for over 600m wide)

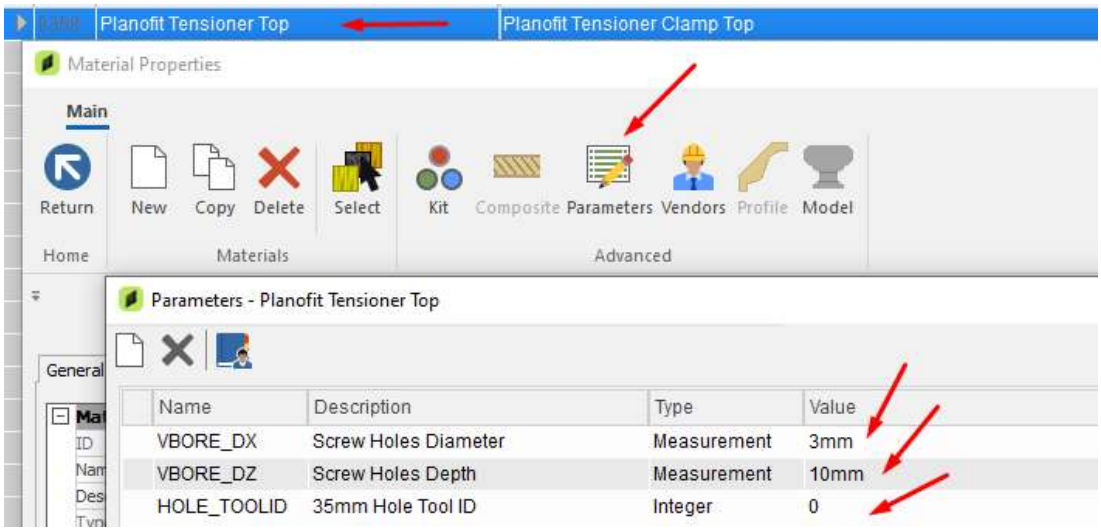
- Straightener kit sizes is initially automatic based on door height to utilize the larger kit, but can be altered.
- Straightener will NOT be added to Doors over 2850mm or Doors under 540mm high.
- Minimum length of straighteners is 400mm
- The “Straightener Length” attribute is the distance between the top and bottom tensioner centers.
- Doors less than 1215mm (Straightener Length less than 1075mm) will require the threaded bar and trim strips to be cut down.
- Cut down size will be shown on reports and material name will say “Cut Down” as well
- The cut size for the threaded bar is 8mm shorter than the “Straightener Length” attribute
- The cut size for the trim strip is 37mm shorter than the “Straightener Length” attribute
- For the 1215-1775 door height range, the Straightener length is 1075mm
- For the 1775-2275 door height range, the Straightener length is 1575mm
- For the 2040-2600 door height range, the Straightener length is 1900mm
- For the 2480-2850 door height range, the Straightener length is 2100mm
- The “Straightener Length” attribute cannot be changed to a value causing the tensioners to be less than 70m or more than 350mm from the top/bottom of the door. The value will automatically reset itself.
- (for the 2100 kit, the maximum distance can be up to 375mm from the top/bottom of the door)
- **NOTE**: for the 2100mm length there is no kit for the Alu Raw color, so Alu Anodized will be used instead.
- **NOTE**: for the 1075mm length there is no kit for the Alu Anodized color, so Alu Raw will be used instead.
- **NOTE**: The optional brackets are included in the Alu color kits, but are ordered separately for the Black kits.

Drilling Setup

Tensioner and Retaining Plate Holes

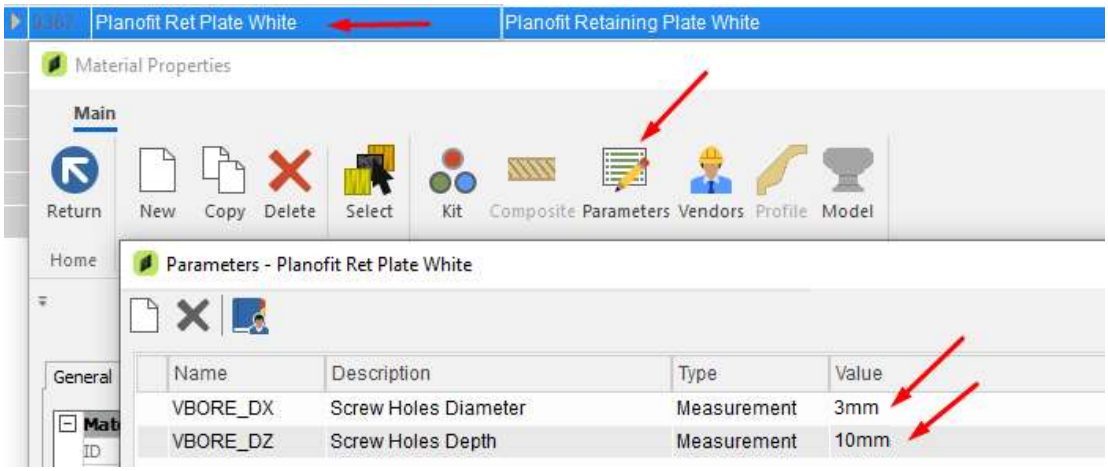
There are 3 material parameters on Straightener Tensioner materials to set the drilling diameter and depths and tool for the 35mm hole if required.

- In the Material Manager, find the **Straightener Tensioner Black** material and right click on it to select properties.
- In the Properties click the Parameters Menu and change the parameters if required:
- Repeat for the **Straightener Tensioner Zinc** material.



There are also 2 material parameters on the Straightener Ret Plate materials for the screw holes.

- In the Material Manager, find the **Straightener Bracket Black** material and right click on it to select properties.
- In the Properties click the Parameters Menu and change the parameters if required:
- Repeat for the **Straightener Bracket Black in Kit** material.



UCS Public Variable – Door Dado

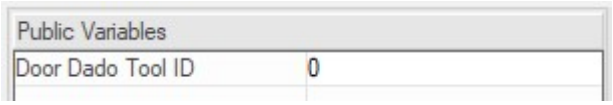
There is 1 Public Variable in the "**{ DOOR } -- HAWA Straightener"** UCS

- To change this variable go to the Utilities – Edit User Created Standards from the Plan or Elevation views



Then click on the "**{ DOOR } -- HAWA Straightener"** UCS

- On the top left hand side of the screen you will see the Public Variable:



Door Dado Tool ID = Tool ID for threaded bar door dado 12mm wide x 9mm deep (leave as zero for auto select)

Tools Required

- The drill diameters and router tool IDs you choose in the Material Parameters and UCS Public Variables above are all required for this package to work. You must have these tool diameters in your tool catalog and in your machine.

Package Exclusions

Some of the items shown in various images contained in this document are not included in the HAWA Straightener Door Straighteners package but come from other packages which are sold separately.

Any other items shown in any images such as cabinet screw holes, hinges, plastic legs etc are also part of our other packages which are sold separately.

See our website for more detailed information on these packages.

