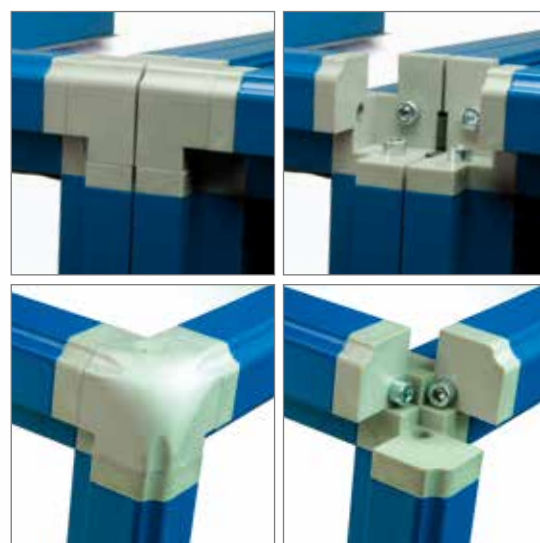
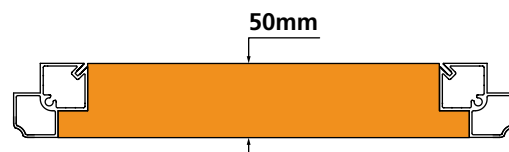




TESTED*
D1 L1
T2 TB2
DIN EN 1886
*MEASUREMENTS CARRIED OUT BY TÜV SÜD INDUSTRIE SERVICE GMBH



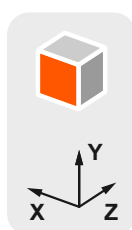
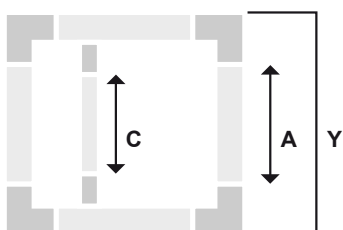
The Thor system is based on the screw tightening between the corner and the profile. With its specific design, it allows making cold structures and thermal break, simplifying assembling procedures.

It is a system designed to ensure a perfect closure between the panels inside the central unit and leakages are reduced to the minimum, thanks to its specific gaskets.

Thor is a TÜV certified system according to EN 1886 standard, available for 50 mm / 1.97" double height panels. Given Thor system's great success, APS Arosio keeps evolving it with a new kit of accessories: panel block, handle and hinge.

A natural evolution that gives the possibility to choose between high level solutions for all air handling units constructors that aim to high quality products and that only APS Arosio is able to provide. Thor system is completed by cutting edge specific panels. Such panels are made by using an easy to assemble PVC profile that combined with nylon corners and with a gasket system, allows obtaining the T2 classified performance, according to EN 1886 standard.

Cutting conditions of the profiles



$$A = Y - 100 \text{ mm} / 3.9''$$

$$C = Y - 120 \text{ mm} / 4.68''$$

The formulas are valid for all sides of the module
 Y = external dimension

THFG503028 Main corner	THFG503128 Joining corner	THFG503228 Omega joint	TECHNICAL DATA
			External dimension 30 mm / 1.18"
			Panel thickness 50 mm / 1.97"
			Material PA6 + FV 20%
Weight: 98 kg/m			Color RAL 7035
Weight: 79 kg/m			
Weight: 64 kg/m			

THFG503028 main corner	n.1 cylindrical head hexagon screw M6x35 mm (only for cover cup) + n.2 cylindrical head hexagon screw M6x25 mm
THFG503128 joining corner	n.1 cylindrical head hexagon screw M6x35 mm (only for cover cup) + n.2 cylindrical head hexagon screw M6x25 mm
THFG503228 omega joint	n.1 cylindrical head hexagon screw M6x16 mm + n.2 self treading screw, max screw place Ø5,5 mm, max screw head dimension Ø11 mm

TECHNICAL DATA	
Material	EN AW 6060
Treatment	T6
Color	RAL

External dimension: **30 mm**

Panel thickness: **50 mm**

Weight: **1.240 kg/m**


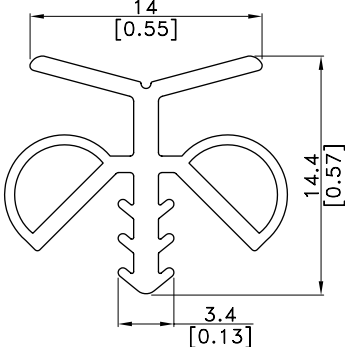
Technical drawing of the SPS 6000 profile showing dimensions:

- Total width: 40,00 [1,57]
- Inner channel width: 20,00 [0,79]
- Overall height: 50,00 [1,97]
- Channel depth: 32,00 [1,26]
- Flange thickness: 18,00 [0,71]
- Bore diameter: Ø5,40 [Ø0,21]

External dimension: **40 mm**

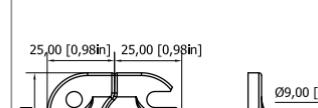
Panel thickness: **50 mm**

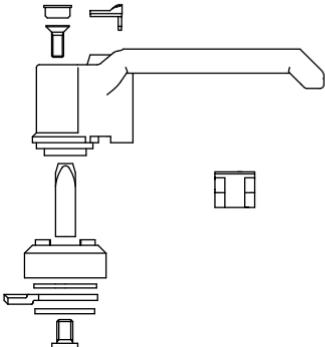
Weight: **1.875 kg/m**

<h2>THGUAR-004 Main gasket</h2>	
	
Dimension: -	
Material: TPE-V	
Weight: -	


	
Dimension: 20 x 4 mm	
Material: Foamed PVC	
Weight: -	

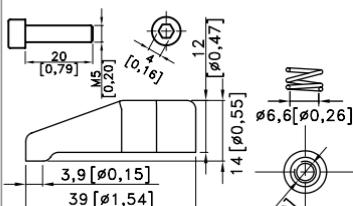
<h2>TH5009-000 Unit connection with screws</h2>	
<p>External dimension: 40 mm</p>	
<p>Material: EN AB 46100</p>	
<p>Weight: 44 g</p>	

	
<p>External dimension: 40 mm</p>	
<p>Material: EN AB 46100</p>	
<p>Weight: 116 g</p>	

MFG140-044 Nylon handle with external lock	
	
Material: PA6 20% GF	
Finish: Natural	
Color: RAL	

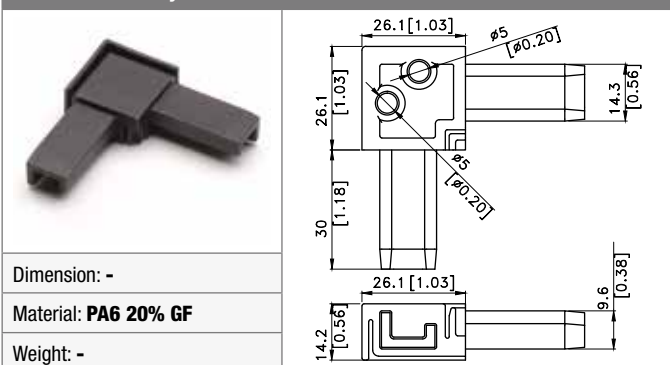
The photograph on the left shows the physical components of the handle assembly: a black handle, a black mounting bracket, a black base plate, and a silver-colored pin. The technical diagram on the right illustrates the assembly process. It shows the handle being inserted into the mounting bracket, which is then secured to the base plate. A key is shown inserted into the handle, and a separate view shows the handle being secured with a pin and nut.

<h2>CFG270RTH0 Hinge</h2>	
	
Nominal dimension: 105 mm	
Material: PA6 20% GF	
Weight: 110 g	

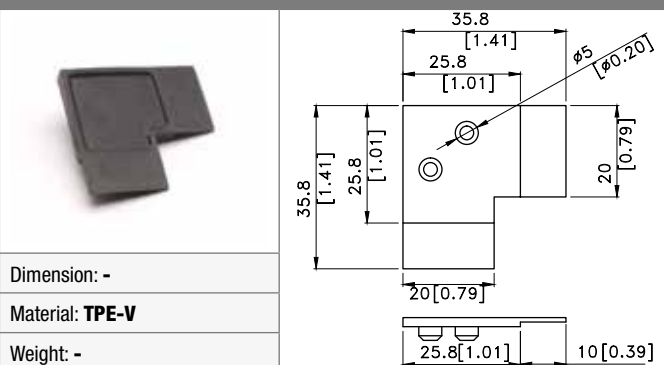
B390000000 Panel block	
	
	Nominal dimension: 40 mm
	Material: EN AB 46100
Weight: 15 g	

Panel

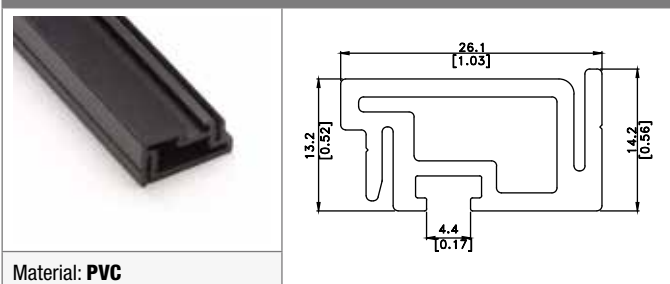
TH5010-000 Nylon corner



GUAR123600 Gasket corner



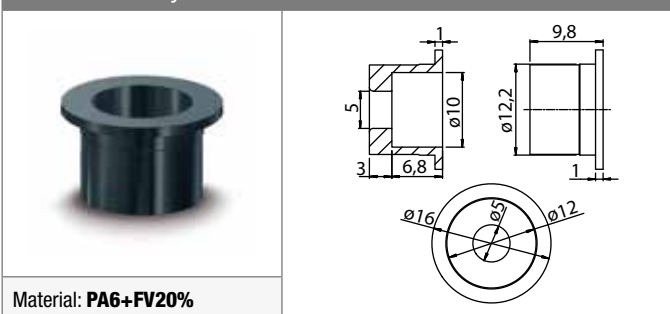
TH5060-000 Profile



GUAR.00008 Gasket profile



BFG.10THOR Nylon bush



Reference table

	Typology	Cold system
Accessories	Main corner	THFG503028
	Joining corner	THFG503128
	Omega joint	THFG503228
Profiles	Main profile	TH5050-000
	Joining profile	TH5051-000
	Omega profile	TH5052-000
	Main gasket	THGUAR-004
	Joining gasket	GUAR.020X4
	Handles	MFG140/044 - MFG140/045
	Hinge	CFG270RTH0
	Panel block	B390000000
	Unit connections	TH5009-000 - GU-9000000
Panel	Profile	TH5060-000
	Corner	TH5010-000
Panel gasket	Profile	GUAR.00008
	Corner	GUAR123600

