

# GSCREW

Structural screw guide for 45° and 60° skewed installations

**SIMPSON**

**Strong-Tie**

**The GSCREW4560** screw guide assists with the installation of any structural screws with a diameter between 8 and 12 mm with a skew angle of 45° to 60°.

The screw guide is suitable for the installation of fully threaded screws or double threaded screws in structural timber, LVL, glulam or CLT applications or for fastening roof insulation, where 45° or 60° angled installations are common. However, it can also be used for any type of application as long as the screw is longer than 100 mm for a 45° configuration and longer than 140 mm for a 60° configuration.

This screw guide allows for easy installation of the screws at the required angle.

The guide is available in 2 models :

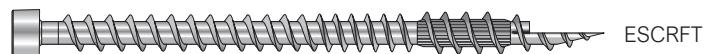
- GSCREW4560-R for right handed installer (right hand on screwdriver and left hand on screw guide)
- GSCREW4560-L for left handed installer (left hand on screwdriver and right hand on screw guide)



Example of skewed installation - GSCREW4560-R

## Compatible screws:

| Installation angle | Minimum screw length |         |
|--------------------|----------------------|---------|
|                    | Ø8, Ø10 and Ø12      | SSH Ø12 |
| 45°                | 100 mm               | 120 mm  |
| 60°                | 140 mm               | 160 mm  |



ESCRFT



ESCRFTC



ESCRFTZ



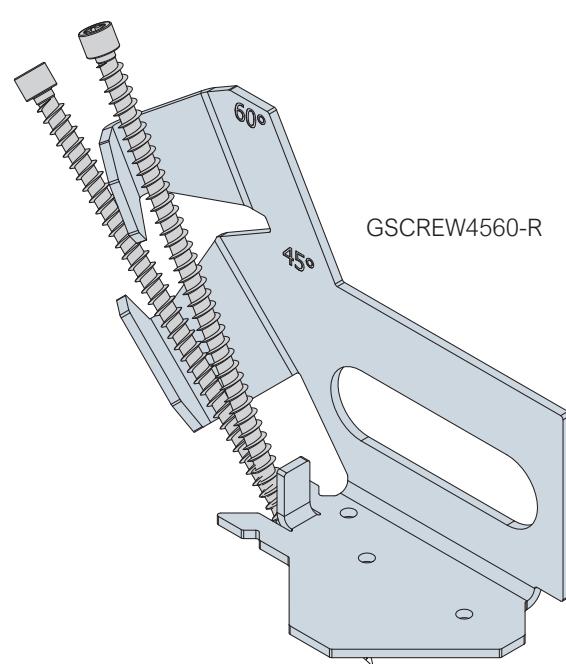
SWD



ESCRT2R

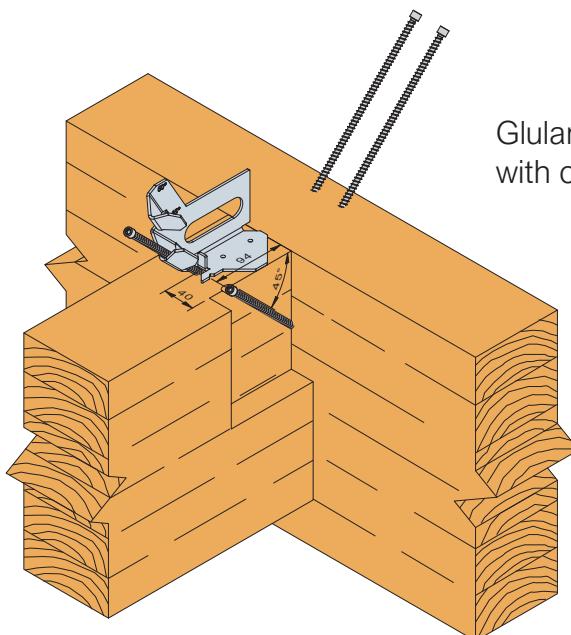


SSH

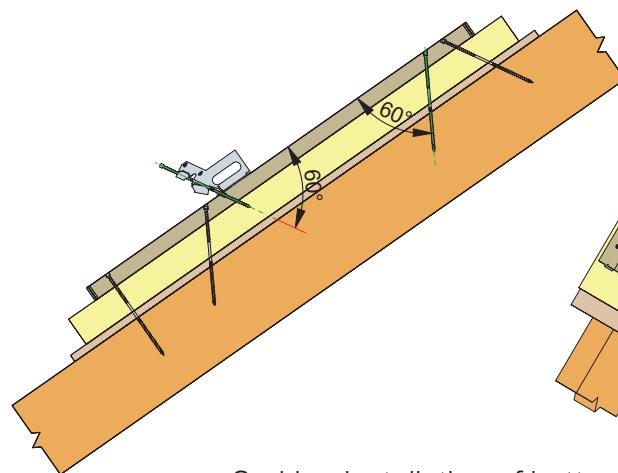


## Structural screw guide for 45° and 60° skewed installations

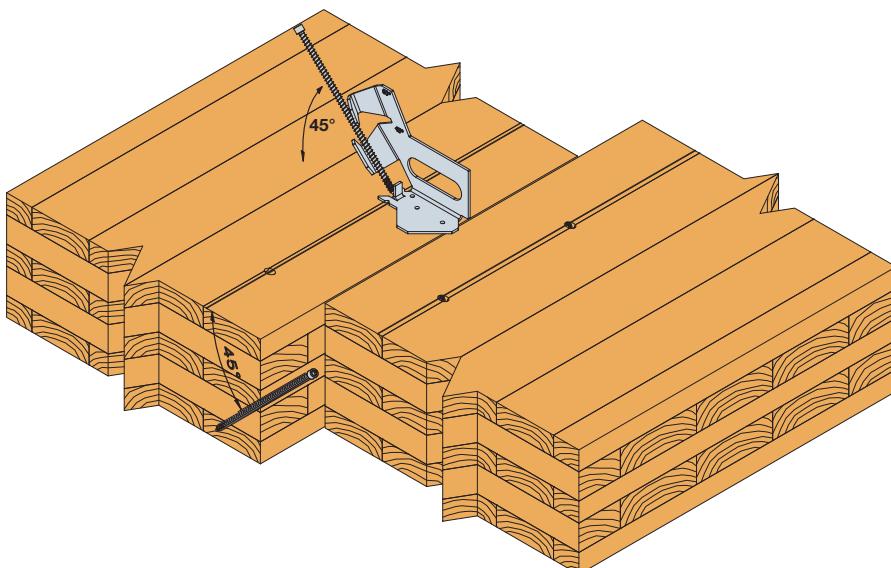
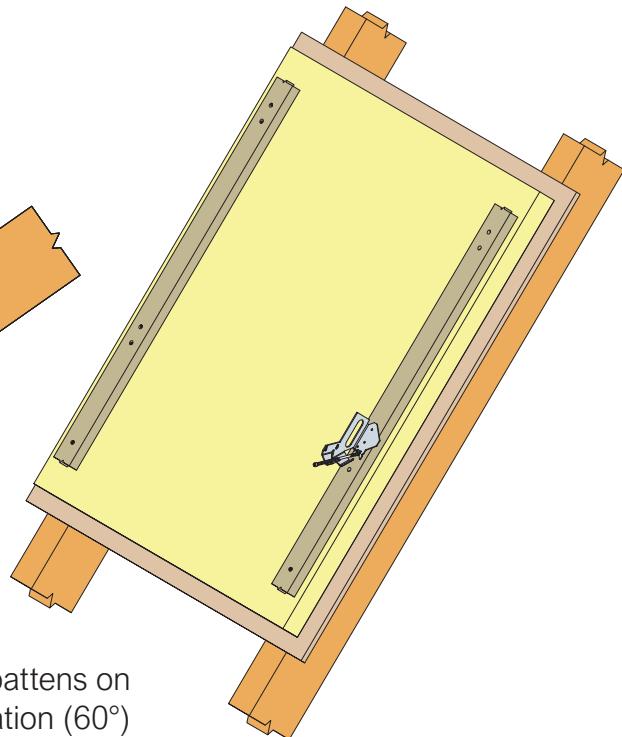
Installation examples:



Glulam joist on beam connection  
with crossed screws (45°)



Sarking installation of battens on  
roof insulation (60°)

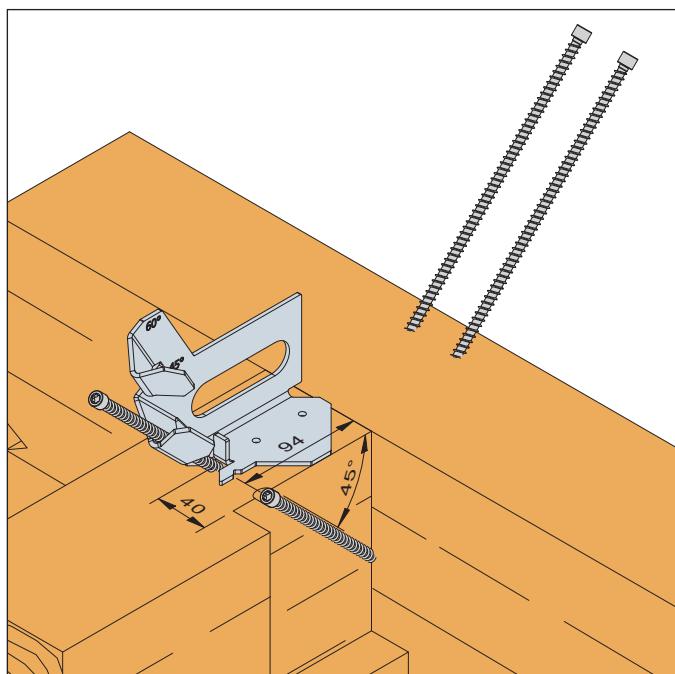
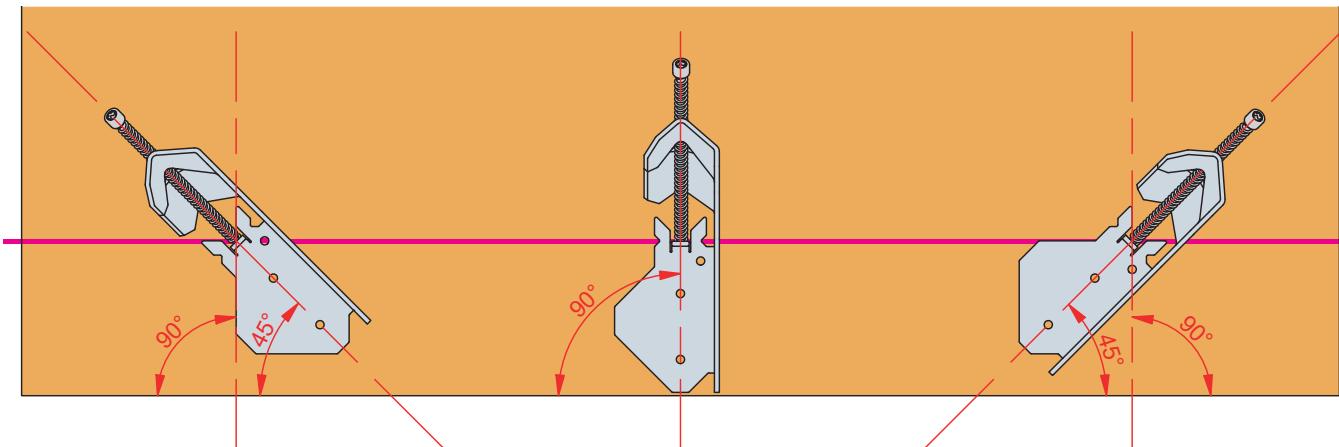
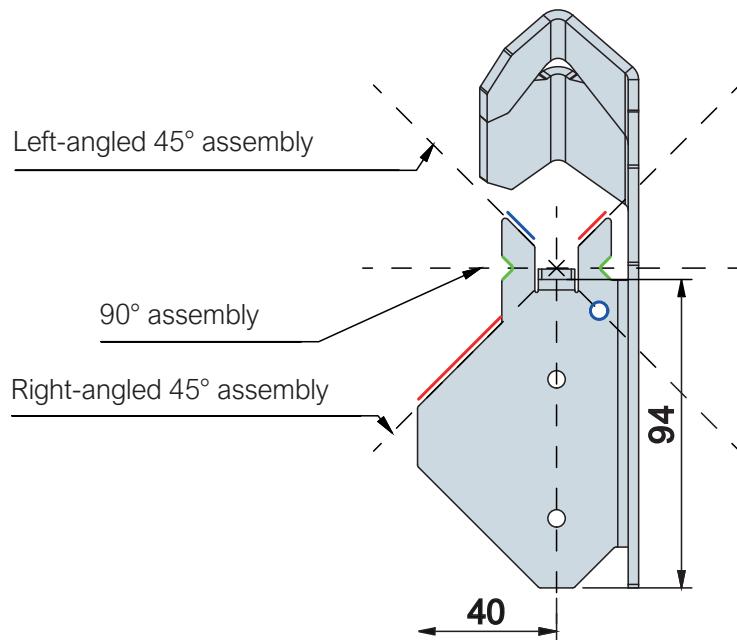


CLT assembly of two  
floor panels (45°)

## Structural screw guide for 45° and 60° skewed installations

How to use:

The blue, green or red markers should be placed on the pink line «chalk line/plotter on site» parallel to the support.



For ESCRFTC8x240 and  
ESCRFTZ8X240 screws.

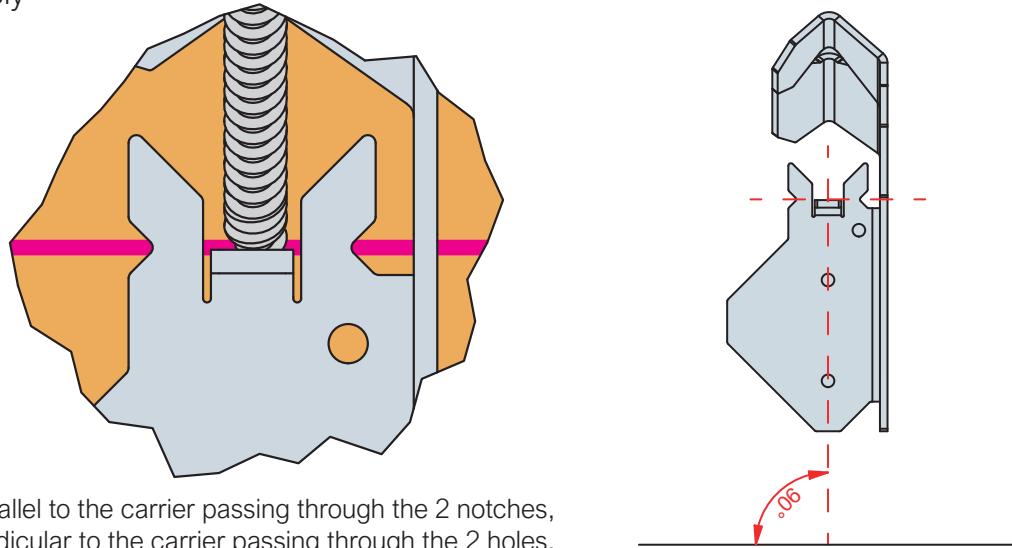
When the ESCRFTC8x240 or  
ESCRFTZ8x240 are used for joist  
to header 45° assembly with pair of  
screws, the edge of the screw guide  
(40 and 94 mm) are useful.

The lateral edge (40 mm) correspond  
to the space between 2 screws or to  
the edge of timber.

The longitudinal edge (94 mm)  
correspond to the distance between  
the screw insertion point and the end  
of the joist.

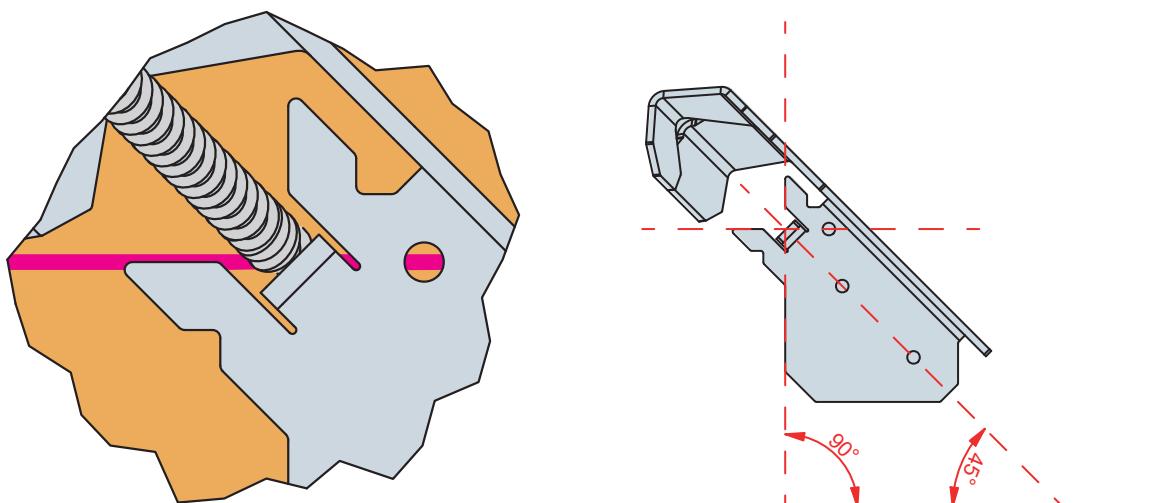
## Structural screw guide for 45° and 60° skewed installations

90° assembly

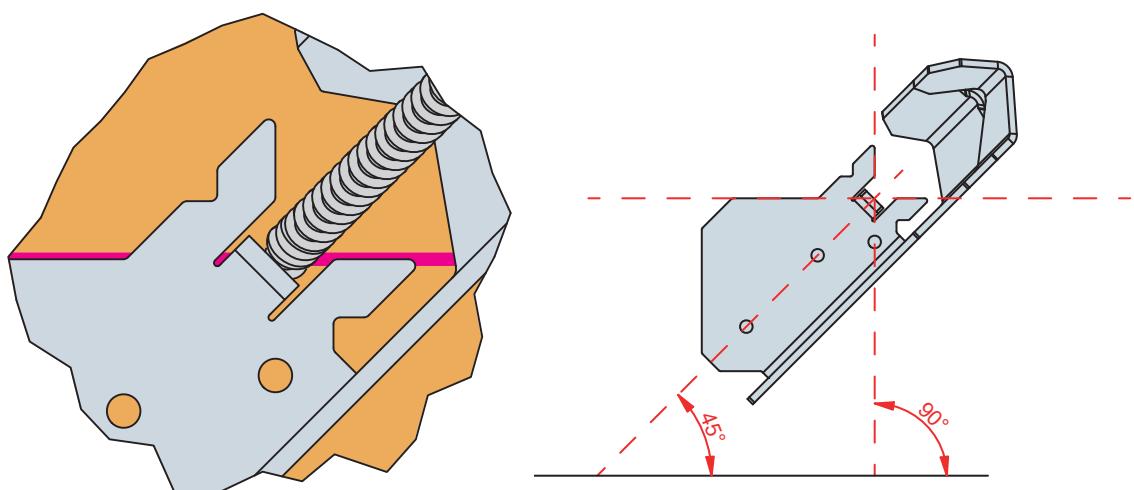


Parallel to the carrier passing through the 2 notches,  
Perpendicular to the carrier passing through the 2 holes.

Left-angled 45° assembly



Right-angled 45° assembly

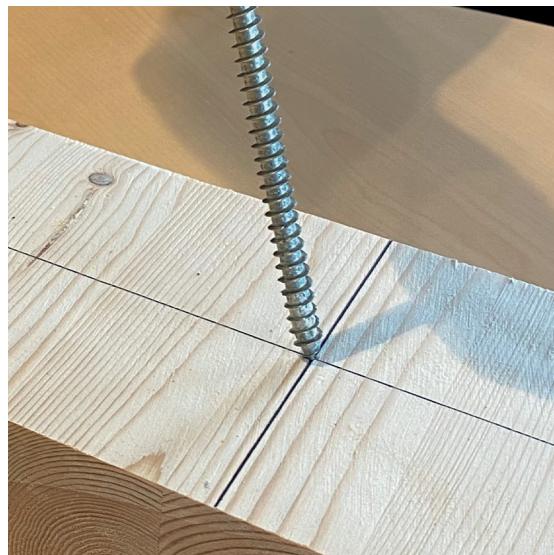


## Structural screw guide for 45° and 60° skewed installations

Installation steps:

1.

Manually place the screw at the required location.  
Embed the point of the screw into timber slightly to  
prevent screw from sliding.

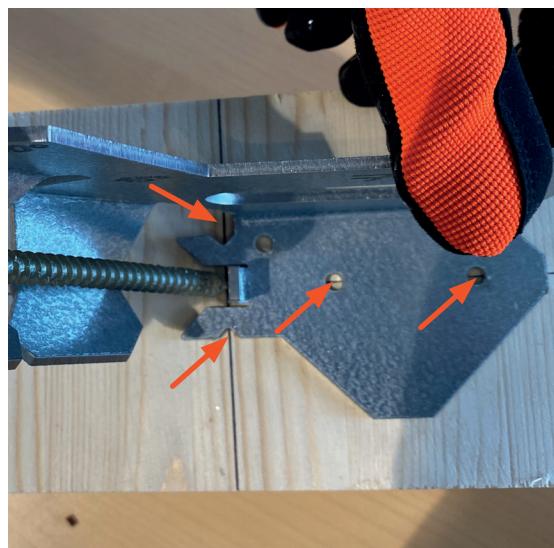


2.

Position the screw guide on the element to be fixed.  
The guide is equipped with several geometrical  
marks which allow you to make your skewed installa-  
tions with a 45° angle as well.

Optional: The guide can be temporarily fixed on the  
support with Ø5 mm screws to stabilize it before  
inserting your Ø8 mm to Ø12 mm screws.

(example of a 90° installation)



3.

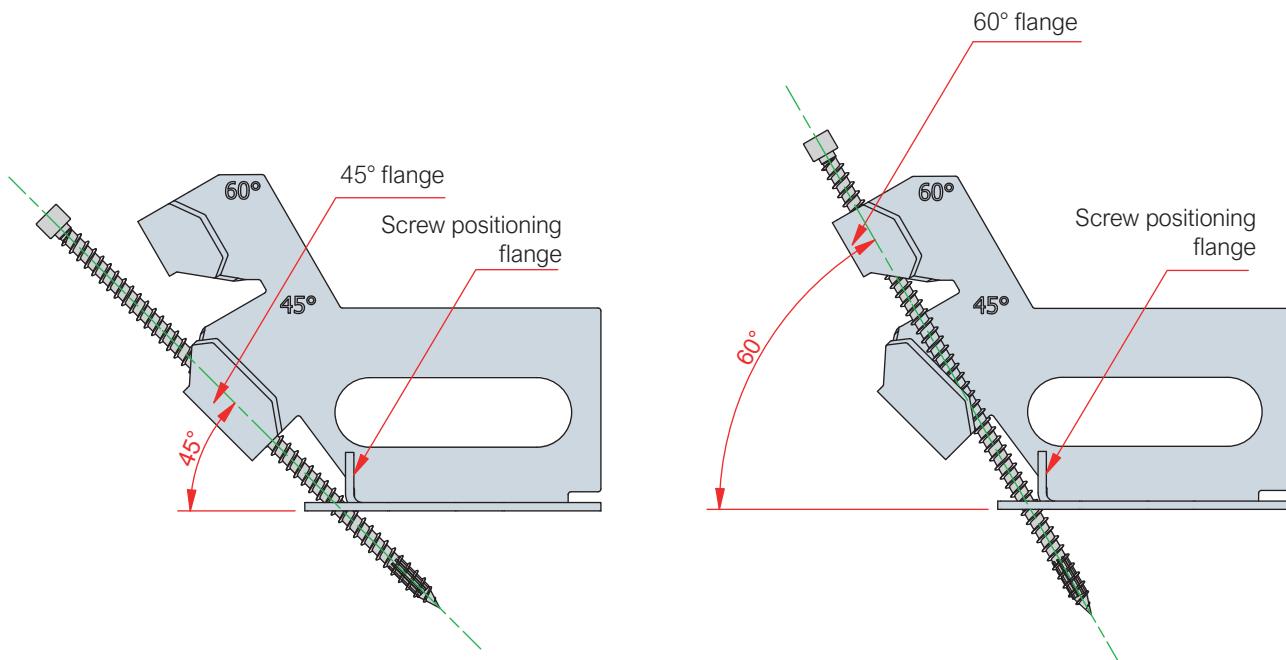
Place the screw in the guide at the required angle,  
45° or 60°.



## Structural screw guide for 45° and 60° skewed installations

4.

Fasten the screw with a screwdriver. Make sure that the tip of the screw is touching the screw guide and that the threaded part is resting in either the 45° or 60° flange to get the most precise angle.



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