

# INSTALLATION MANUAL CONSTRUCT 2025

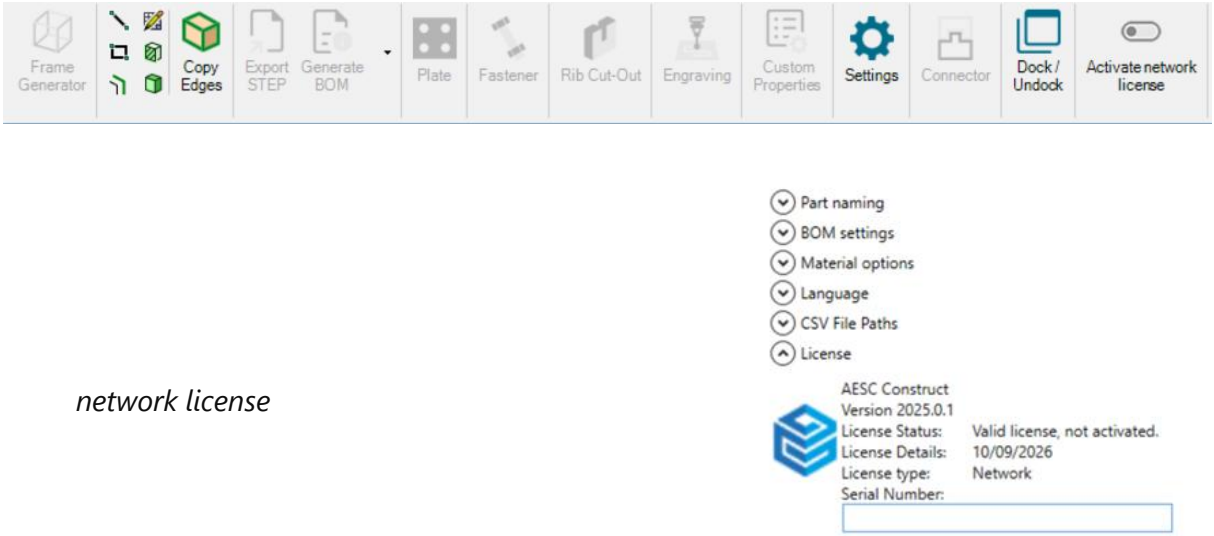
<b>Installation.....</b>	<b>2</b>
<b>License activation .....</b>	<b>2</b>
<b>Dock / Undock .....</b>	<b>2</b>
<b>Frame generator .....</b>	<b>3</b>
<b>Plates.....</b>	<b>6</b>
<b>Fasteners.....</b>	<b>7</b>
<b>Connector .....</b>	<b>10</b>
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# INSTALLATION

Yes

## LICENSE ACTIVATION



- 
- 
- 
- network license*

## DOCK / UNDOCK


## FRAME GENERATOR

- 
- 
- 
- 


### Generate Profile















☐ Solid Profile















☐ Update BOM

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### Generate Joint

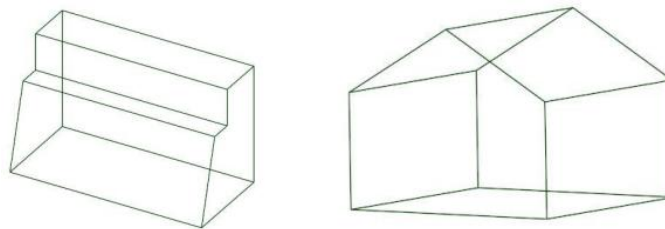


☐ Update BOM

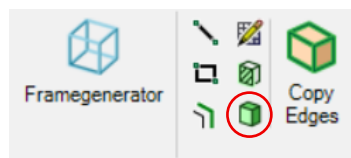









## WIREFRAME



Tip: The shortcut **Alt + D** switches the view mode to 3D without converting lines into surfaces. The circular 3D switch button also does not convert closed lines into surfaces.



## PROFILE SELECTION

- T** T-profile
-  Rectangular profile
-  Round profile
-  H/I-profile
-  L-profile
-  U-profile

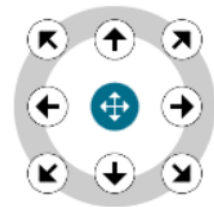


*C:\ProgramData\AESCConstruct\Profiles.*

## CUSTOM PROFILE

**ROTATION** 

## POSITION



## JOINTS

- 1st selection: Orange
- 2nd selection: Black



**Miter joint**



**Straight joint 1**



**Straight joint 2**



**T joint**



**No joint**



**Cut-out**



**Trim Body**



**BILL OF MATERIALS**

**EXPORT TO STEP**

**COMPARE**

**GENERATE / UPDATE / EXPORT BOM**

**PLATES**



**CREATE PLATE**

**CREATE WEB**



**FASTENERS**


[Get Sizes](#)

**Bolt**

Name

Size

Length




**Washer Top**

☒ Include

Name

Size




**Washer Bottom**

☒ Include

Name

Size




**Nut**

☒ Include

Name

Size



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File

☐ Use custom part

Browse

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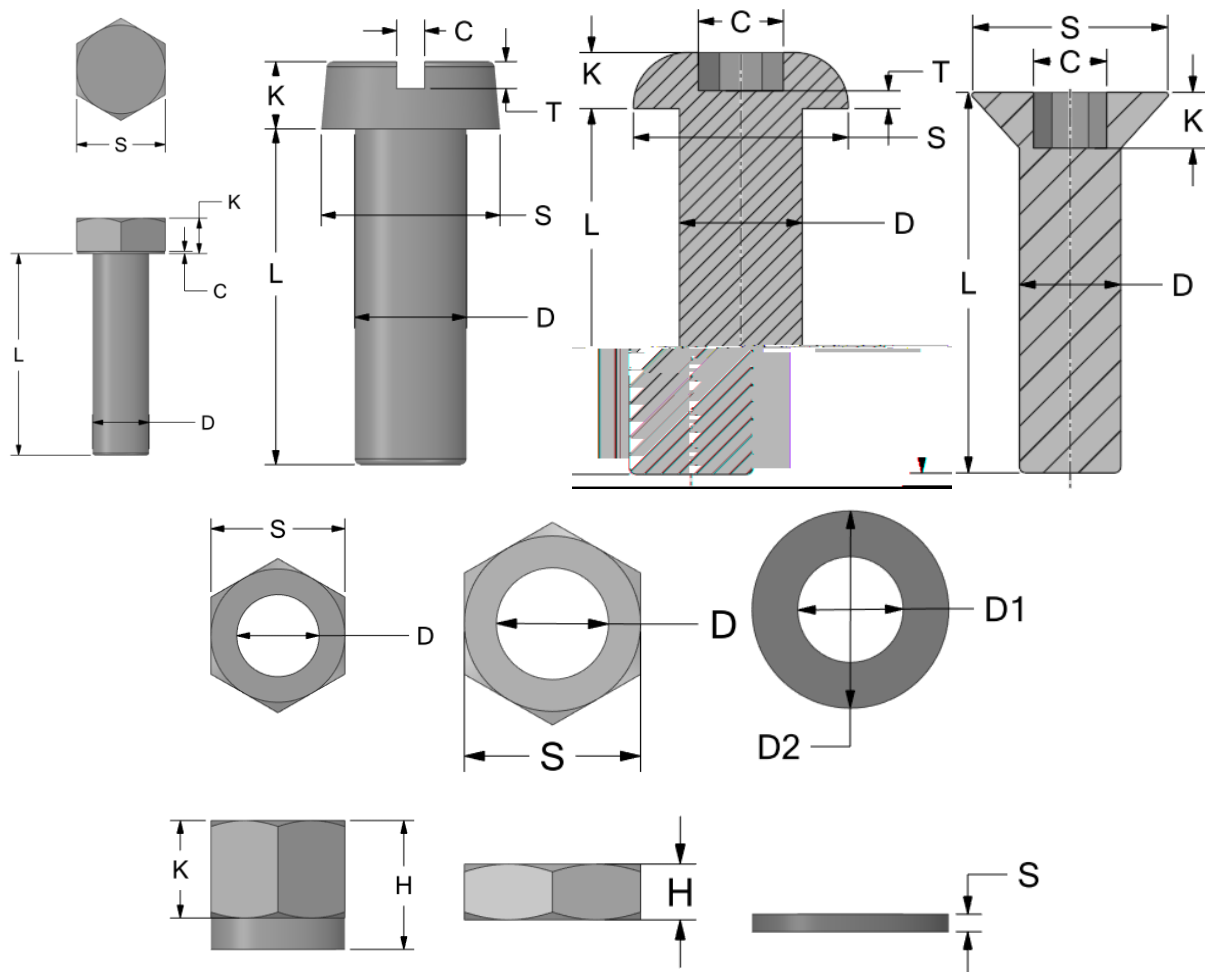
Distance

☐ Lock

☐ Overwrite distance

Insert



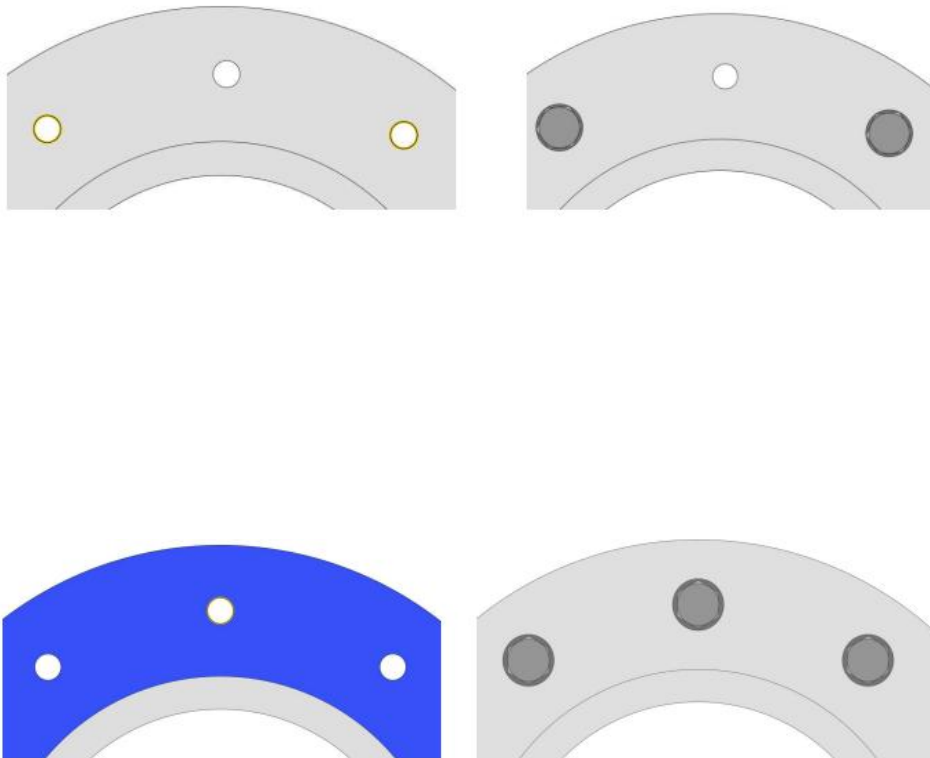


## CUSTOM PART

*C:\ProgramData\AESCConstruct\Fasteners\Custom*

## SELECTION





## CONNECTOR

### Parameters

Shape Square 10x10 ▼

☐ Dynamic Height 10

Width bottom 10

Width top 10

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☒ Radius ☐ Chamfer

Radius / Chamfer 1

Tolerance 0.1

End Relief 0

Location 0

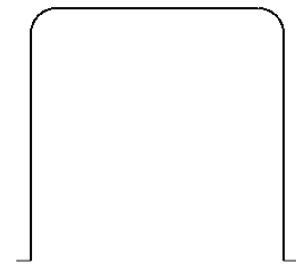
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☐ Corner cutout 0

☐ Click location

☐ Rectangular cut

☐ Pattern 2

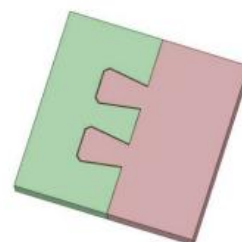
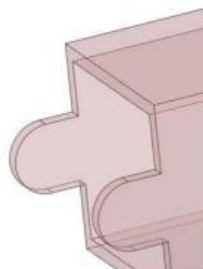
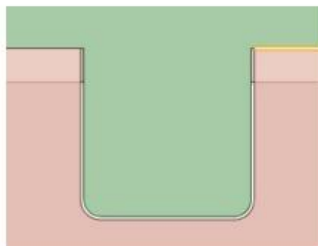


☐ Show tolerance

Create

### OTHER FUNCTIONS:

- **Dynamic Height:**
- **End relief:**
- **Corner cutout:**
- **Rectangular cut:**





## ENGRAVING

### NOTE / MARKING / CUT OUT

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Engraving

☒ Component Name  
☐ Body Name  
☐ Custom

☒ Engraving  
☐ CutOut

Font
 

Agency FB

Size
 

5

☒ Center

Create

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Imprint

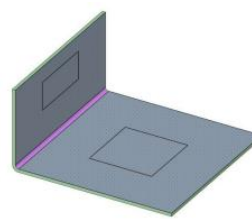
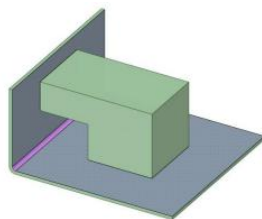
Imprint Body

Imprint Lines

Imprint to Engraving

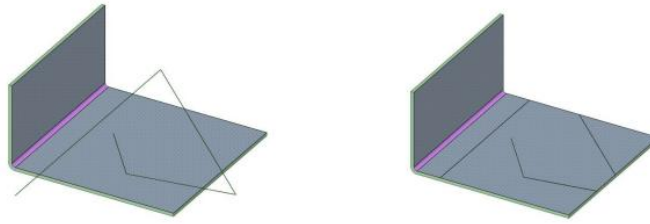
### SELECTION

### IMPRINT BODY

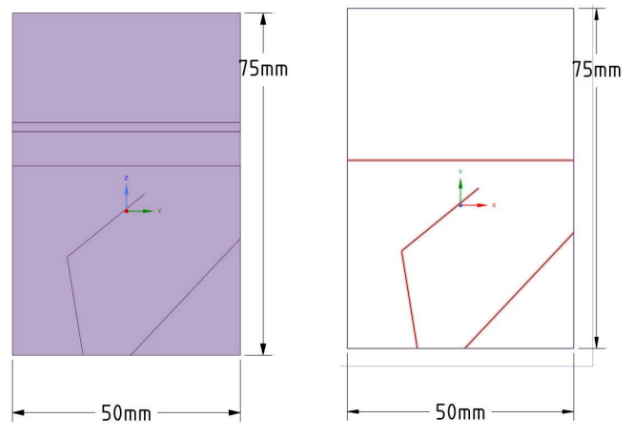


### IMPRINT LINES





## IMPRINT TO ENGRAVING



## RIB CUTOUT

**Cutout**

Tolerance

☐ Reverse direction  
☐ Middle Tolerance  
☐ Perpendicular Cut

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**Weld Round**

☐ Add Weld Round

Create

- **Reverse direction.**
- **Middle tolerance**
- **Perpendicular cut.**
- **Add weld rounds.**
- **Reverse Direction.**





## CUSTOM PROPERTIES

*C:\ProgramData\AESCConstruct\CustomProperty*

Select Template  
CompProperties.csv

Document Properties  
Add properties  
Delete properties

Component Properties  
Add to Selection...  
Delete from Selection  
Add to All  
Delete from All

## DOCUMENT PROPERTIES

- Add properties:
- Delete properties:

## COMPONENT PROPERTIES

- Add to selection:
- Selete from selection:
- Add to all:
- Delete from all:

**Example:**

- Design:
- CSV:

**Design**

Name	

**CSV**

Name	



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## Design

Name	

## SETTINGS

### PART NAMES

### PART LIST SETTINGS

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- 
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### Example:



Part naming

Naming scheme

Part naming: [Name]\_[p1]x[p2]\_[length]

Type	Name
Rectangular	RECT
Circular	O
H Profile	
L Profile	L
T Profile	T
U Profile	U-profile

BOM settings

Coordinates and origin

Anchor X: 50 Corner: BottomLeftCor

Anchor Y: 55

Drawing sheet anchor BottomLeft

Units

Unit length inch

## MATERIAL OPTIONS

## CSV FILE PATHS



## IMPORT/EXPORT SETTINGS

### Material options

#### Material Inclusion

- ☒ Include material in Excel
- ☒ Include material in BOM
- ☒ Include material in STEP filename

#### Connector properties

C:\ProgramData\AESCConstruct\Conne



#### Component properties

C:\ProgramData\AESCConstruct\Custom



#### Bolts

C:\ProgramData\AESCConstruct\Fastene



#### Nuts

### Note



## RELEASE NOTES

### FRAME GENERATOR

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### FASTENERS

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### PLATES

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### ENGRAVING

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### CONNECTOR

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### INSTELLINGEN

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## ALGEMEEN

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