

# INSTALLATION MANUAL

## CONSTRUCT 2025

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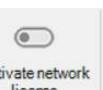


# INSTALLATION

Yes

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## LICENSE ACTIVATION

-  Frame Generator
  -  Copy Edges
  -  Export STEP
  -  Generate BOM
  -  Plate
  -  Fastener
  -  Rib Cut-Out
  -  Engraving
  -  Custom Properties
  -  Settings
  -  Connector
  -  Dock / Undock
  -  Activate network license
- 
-  Part naming
  -  BOM settings
  -  Material options
  -  Language
  -  CSV File Paths
  -  License
- AESC Construct  
Version 2025.0.1  
License Status: Valid license, not activated.  
License Details: 10/09/2026  
License type: Network  
Serial Number:

## DOCK / UNDOCK

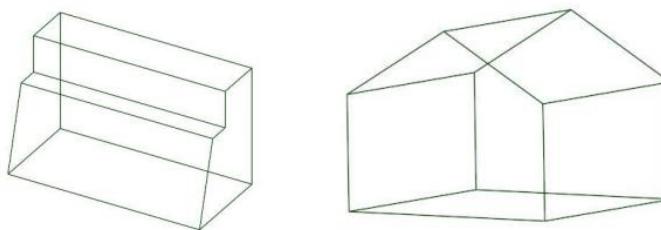


# FRAME GENERATOR

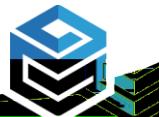
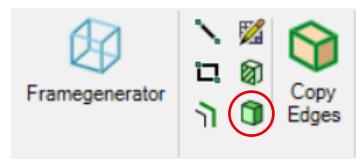
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## WIREFRAME



*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

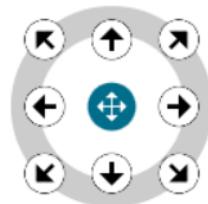


C:\ProgramData\AESCCConstruct\Profiles.

## CUSTOM PROFILE

ROTATION  0

## 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: Bolt1

Size: M14

Length: 35



### Washer Top

Include

Name: Washer1

Size: M14



### Washer Bottom

Include

Name: Washer1

Size: M14



### Nut

Include

Name: Nut1

Size: M14



File: Bolt - DIN931 - M6 x 30 .scdoc

Use custom part

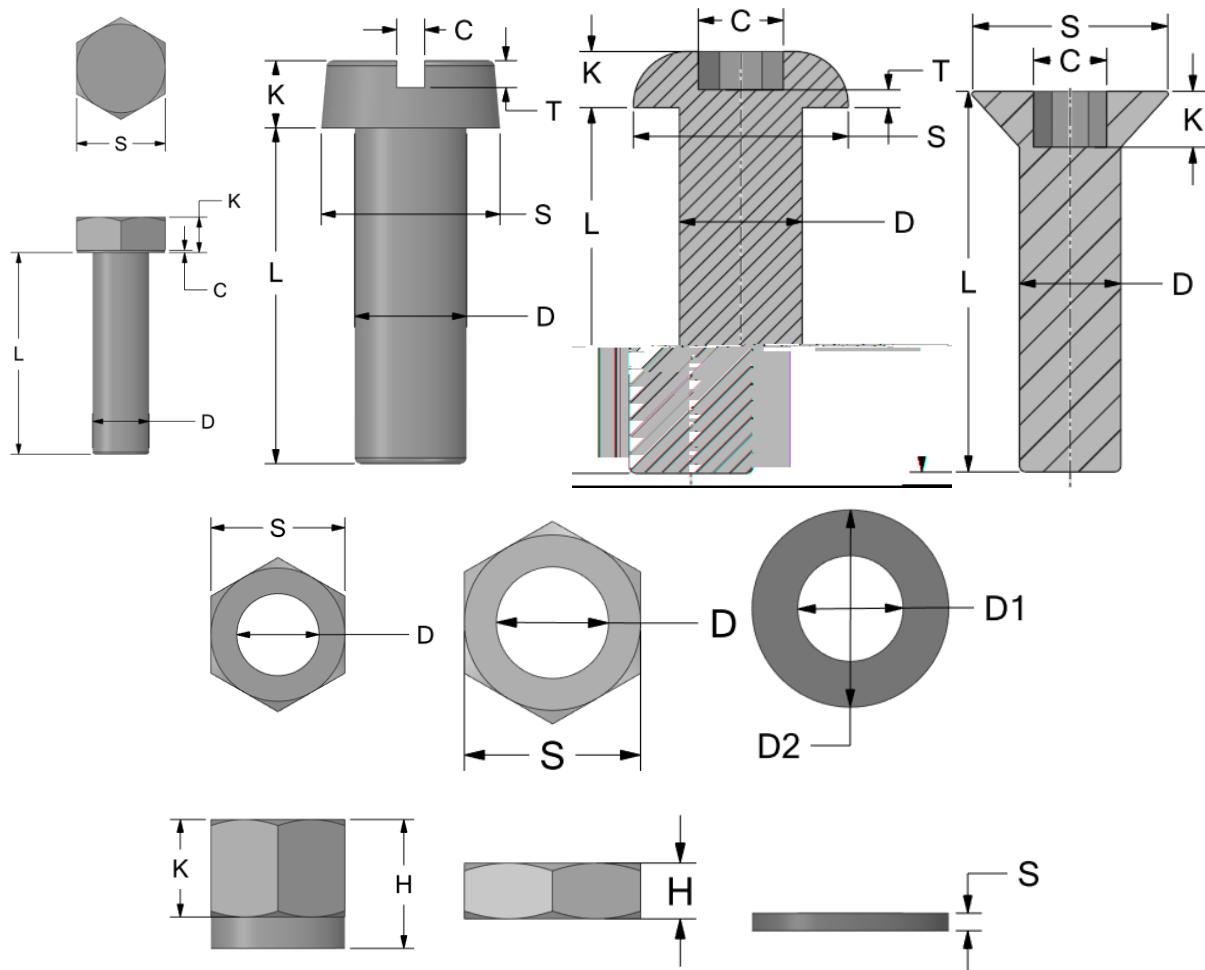
[Browse](#)

Distance: 20  Overwrite distance

Lock

[Insert](#)



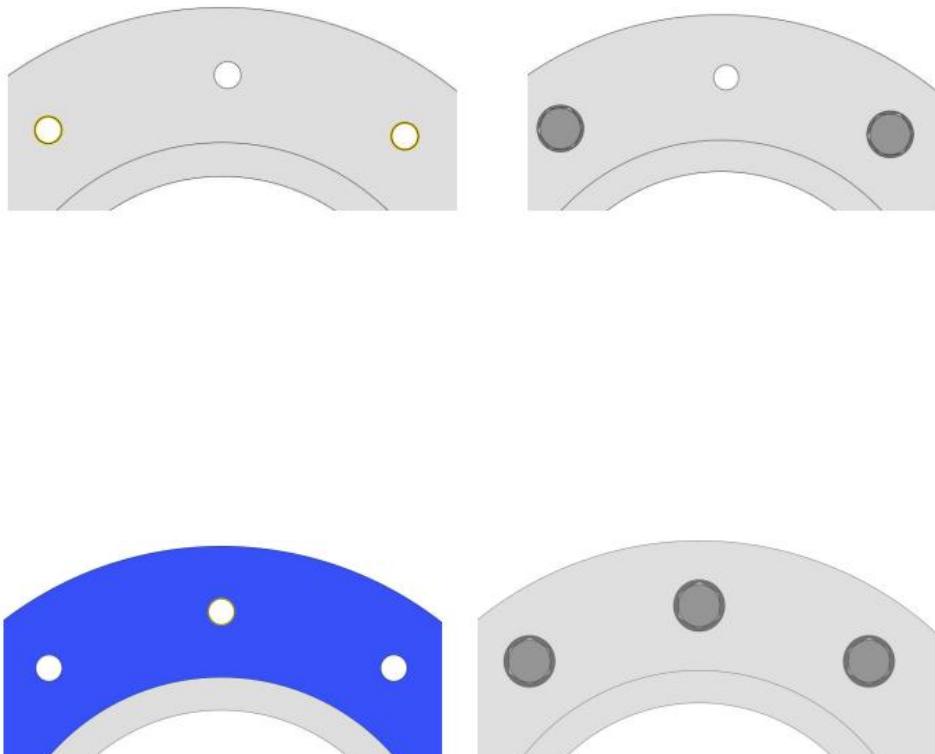


## CUSTOM PART

C:\ProgramData\AESCConstruct\Fasteners\Custom

## SELECTION

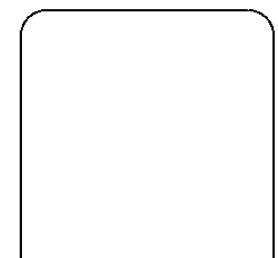




# CONNECTOR

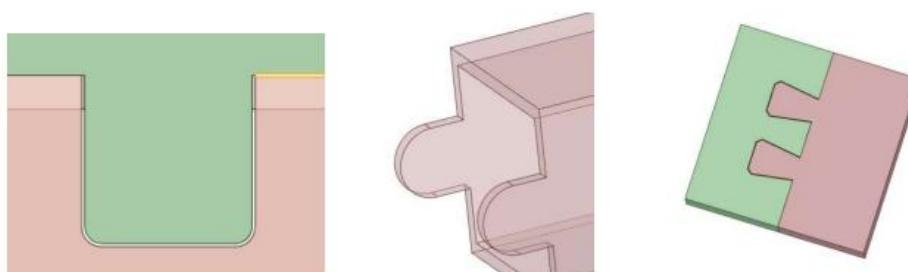
**Parameters**

Shape	Square 10x10	<input type="button" value="▼"/>
<input type="checkbox"/> Dynamic	Height	10
Width bottom		10
Width top		10
<input checked="" type="radio"/> Radius <input type="radio"/> Chamfer		
Radius / Chamfer		1
Tolerance		0.1
End Relief		0
Location		0
<input type="checkbox"/> Corner cutout		0
<input type="checkbox"/> Click location		
<input type="checkbox"/> Rectangular cut		
<input type="checkbox"/> Pattern		2


  
 Show tolerance

## 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   
 Size   
 Center

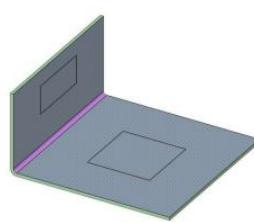
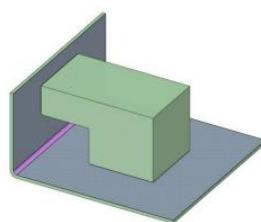
**Create**

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#### Imprint

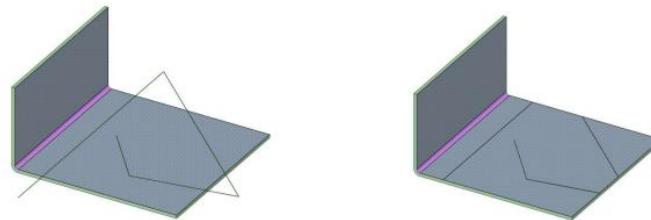
### SELECTION

### IMPRINT BODY

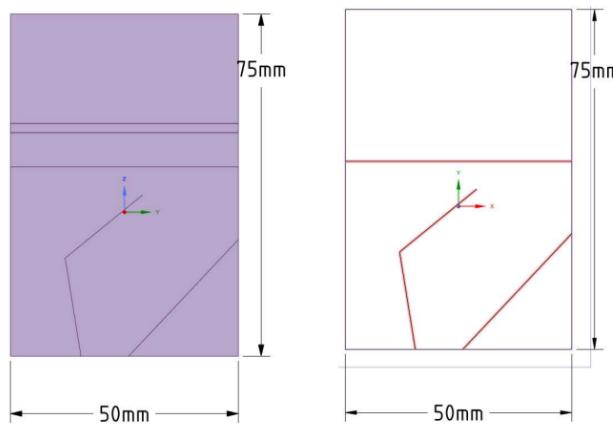


### IMPRINT LINES





## IMPRINT TO ENGRAVING



## RIB CUTOUT

Cutout

Reverse direction

Middle Tolerance

Perpendicular Cut

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Weld Round

Add Weld Round
 0

Create

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





## CUSTOM PROPERTIES

C:\ProgramData\AESCCConstruct\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:
- Select 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 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

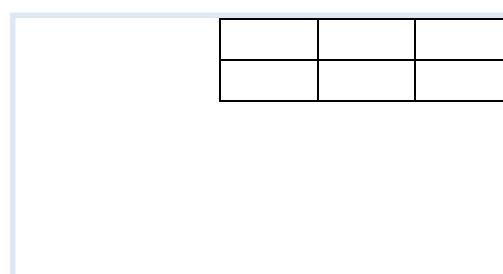
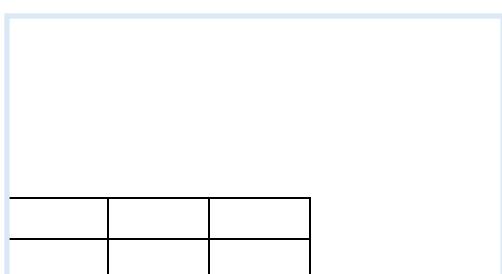
##### Units

Unit length inch

### PART LIST SETTINGS

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- 
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### Example:



## MATERIAL OPTIONS

### Material options

#### Material Inclusion

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

## CSV FILE PATHS



### Connector properties

C:\ProgramData\AESCConstruct\Connector



### Component properties

C:\ProgramData\AESCConstruct\Component



### Bolts

C:\ProgramData\AESCConstruct\Fasteners



### Nuts

C:\ProgramData\AESCConstruct\Nuts



## IMPORT/EXPORT SETTINGS

### 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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