

Part1

- xy plane
- yz plane
- zx plane
- PartBody

Object:

- Body
- Body in a Set...
- Geometrical Set...
- Ordered Geometrical Set...

Insert in new body

Annotations

Constraints

Sketcher

Axis System...

Sketch-Based Features

Dress-Up Features

Surface-Based Features

Transformation Features

Boolean Operations

Advanced Dress-Up Features

Knowledge Templates

Instantiate From Document...

Instantiate From Selection...

Pad...

Pocket...

Drafted Filleted Pad...

Drafted Filleted Pocket...

Shaft...

Groove...

Hole...

Rib...

Slot...

Stiffener...

Multi-sections Solid...

Removed Multi-sections Solid...

Multi-Pad...

Multi-Pocket...

Solid Combine...

Insert-> sketch based features-> drafted fileted pad

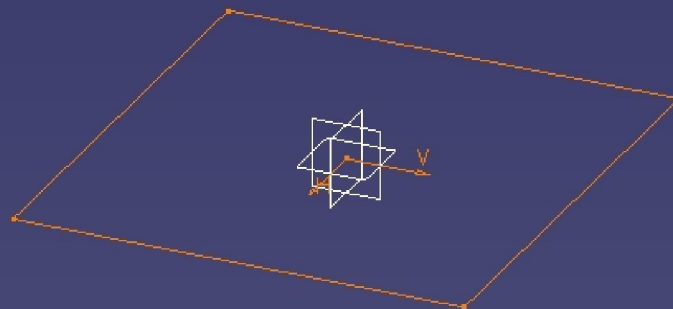
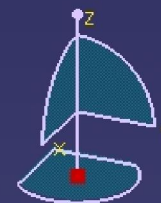


CATIA V5 - [Part1]

Start ENOVIA V5 VPM File Edit View Insert Tools Window Help

Part1
xy plane
yz plane
zx plane
PartBody

Or click on the arrow mark under the pad option in the tool bar to find the drafted filleted pad easily

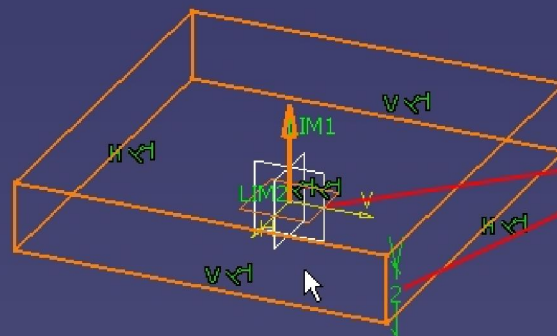


Drafted Filleted Pad

Creates a pad with draft and fillets. c:\Drafted Filleted Pad

Part1
xy plane
yz plane
zx plane
PartBody

Here the draft angle is given 5
pad length is given 2
limit is the xy-plane
For fillets choose the options as per your requirement



Drafted Filleted Pad Definition

First Limit
Length: 2cm

Second Limit
Limit: xy plane\Face.1

Draft
Angle: 5deg
Neutral element: ☒ First limit ☐ Second limit

Fillets
Lateral radius: 0.5cm
First limit radius: 0.5cm
Second limit radius: 0.5cm

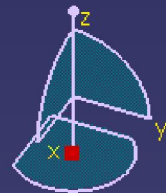
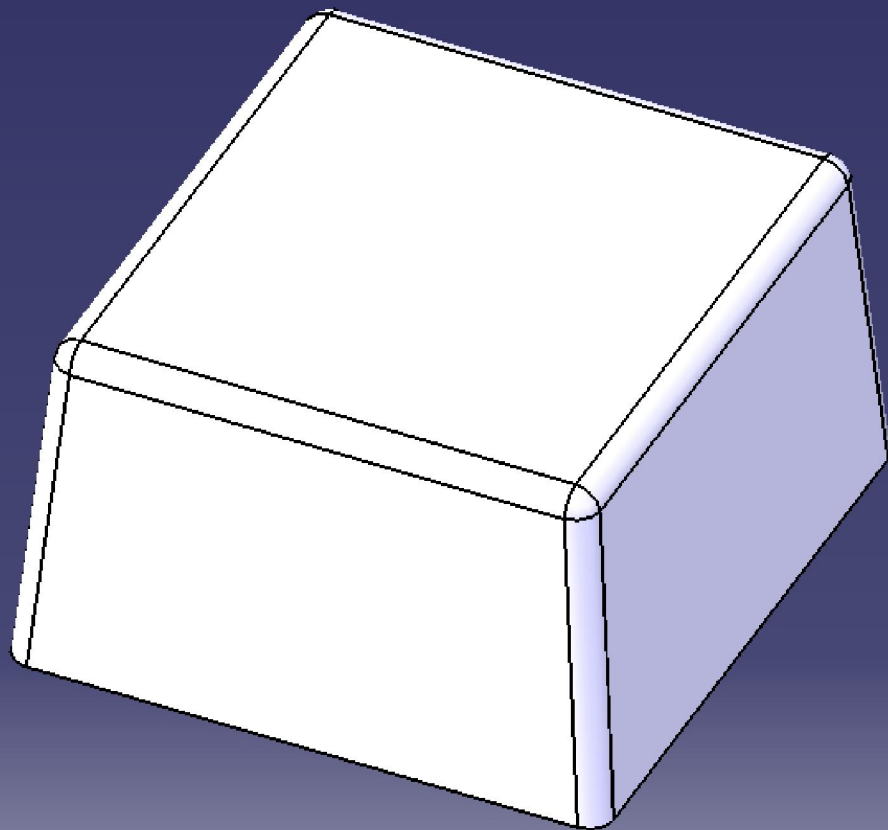
Reverse Direction

OK Cancel Preview

CATIA V5 - [Part1]

Start ENOVIA V5 VPM File Edit View Insert Tools Window Help

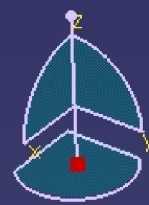
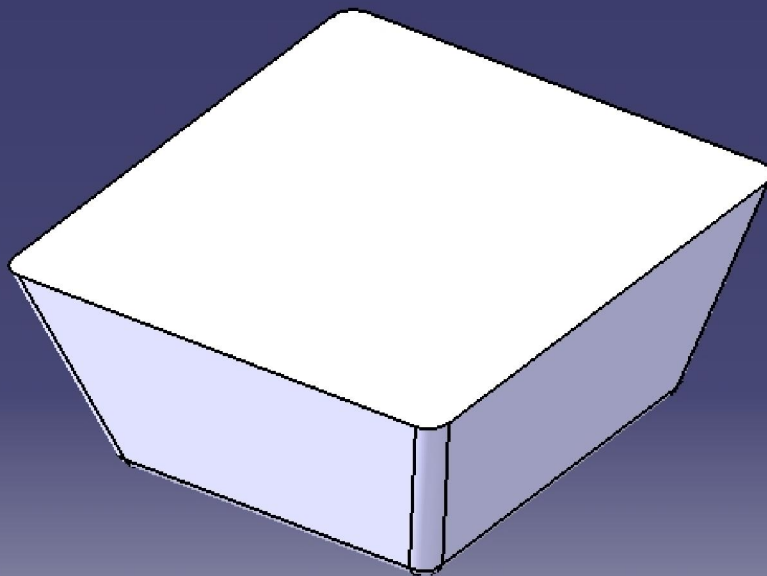
Part1
xy plane
yz plane
zx plane
PartBody



Select an object or a command

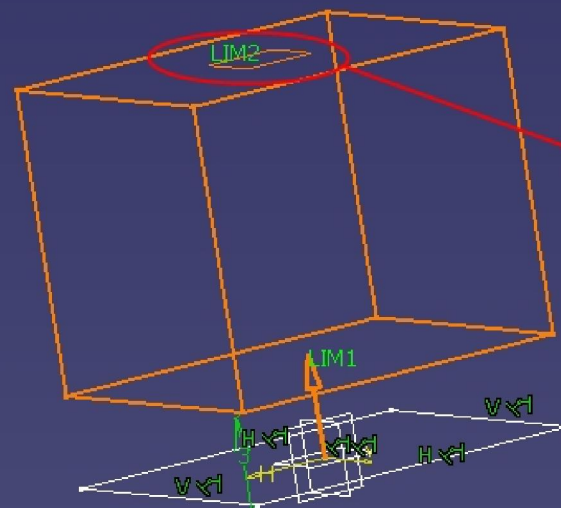
- Part1
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If the direction is reversed this is the result



Part1
xy plane
yz plane
zx plane
PartBody

If a plane is drawn and chosen as the limit then a clearance is provided as per the "length" given.



Drafted Filleted Pad Definition

First Limit
Length: 3cm

Second Limit
Limit: Plane.1\Face.1

Draft
Angle: 5deg
Neutral element: ☐ First limit ☒ Second limit

Fillets
Lateral radius: 0.5cm
First limit radius: 0.5cm
Second limit radius: 0.5cm

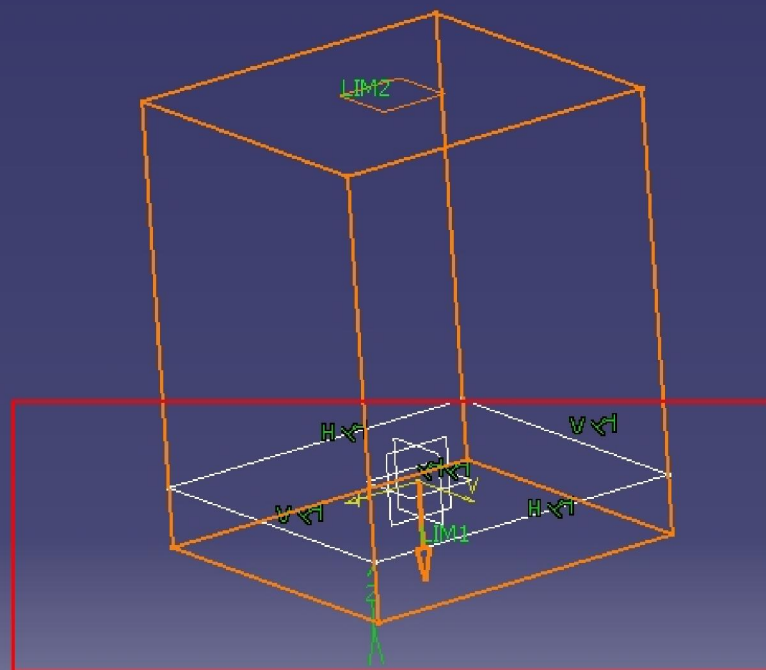
Reverse Direction

OK Cancel Preview

Part1

- xy plane
- yz plane
- zx plane
- PartBody

If the direction is reversed in the previous case then the clearance is not provided, instead an extension is made in the other direction



Drafted Filleted Pad Definition

First Limit
Length: 2cm

Second Limit
Limit: Plane.1\Face.1

Draft
Angle: 5deg
Neutral element: ☒ First limit ☐ Second limit

Fillets
Lateral radius: 0.5cm
First limit radius: 0.5cm
Second limit radius: 0.5cm

Reverse Direction

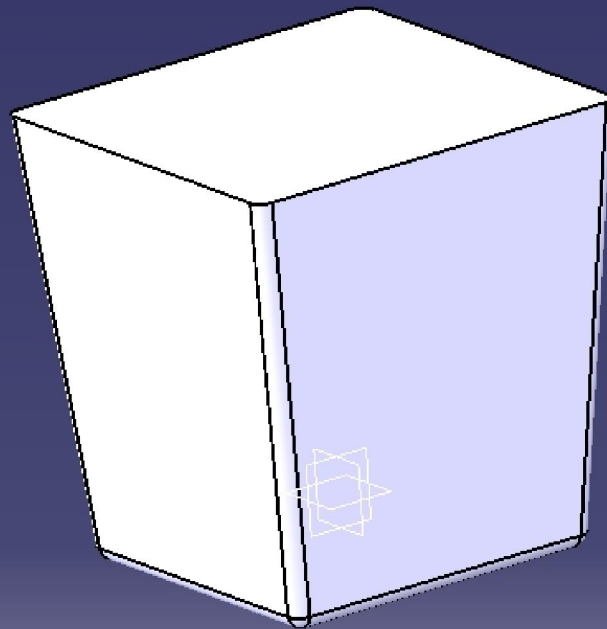
OK Cancel Preview

CATIA V5 - [Part1]

Start ENOVIA V5 VPM File Edit View Insert Tools Window Help

Part1
xy plane
yz plane
zx plane
PartBody

This is the result of the previous selections in "drafted filleted pad"



Select an object or a command

10:1
10:0

D3
CATIA