Chapter 10: Assembly
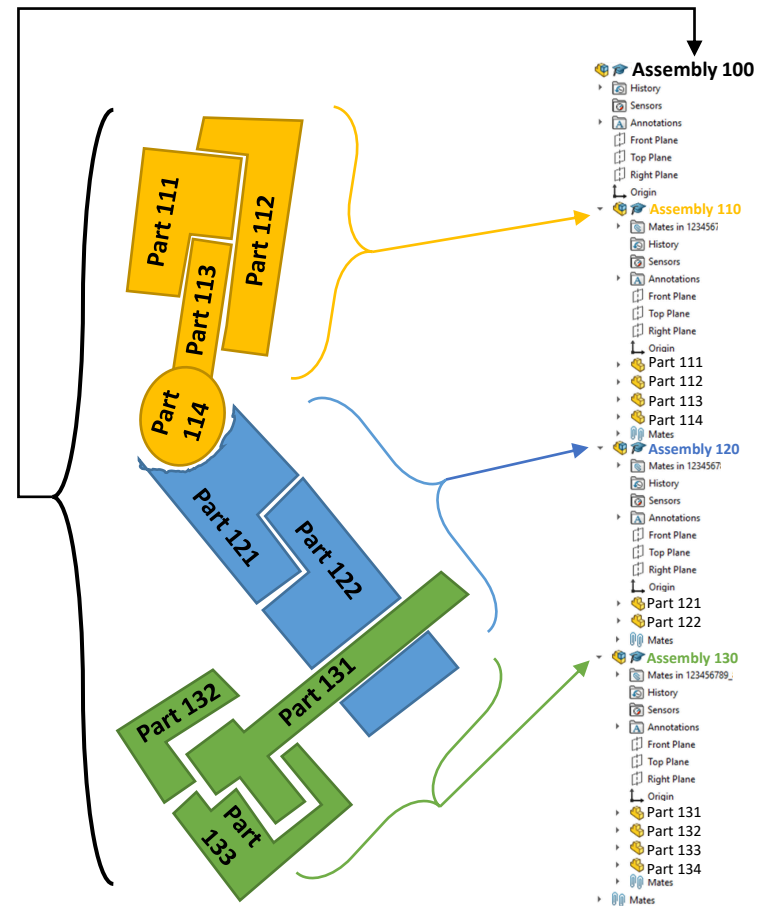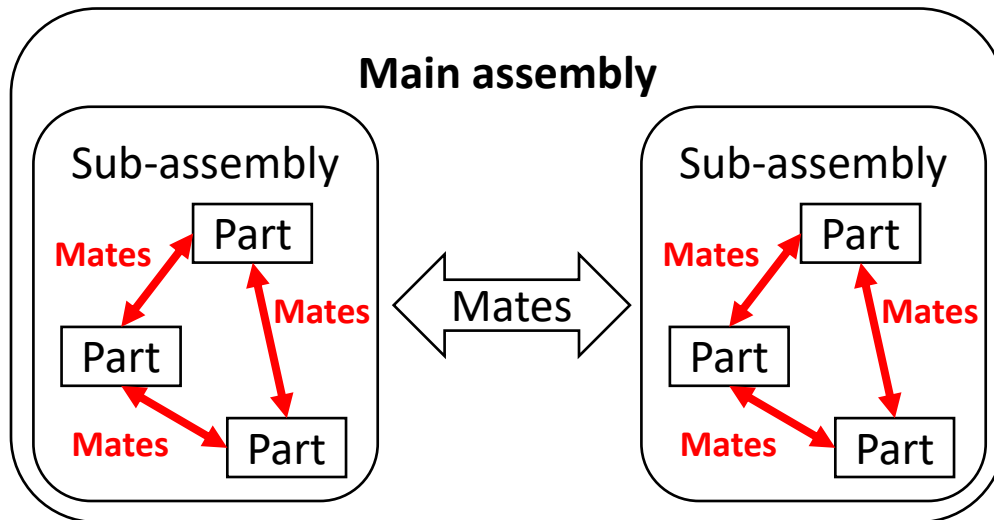
General method
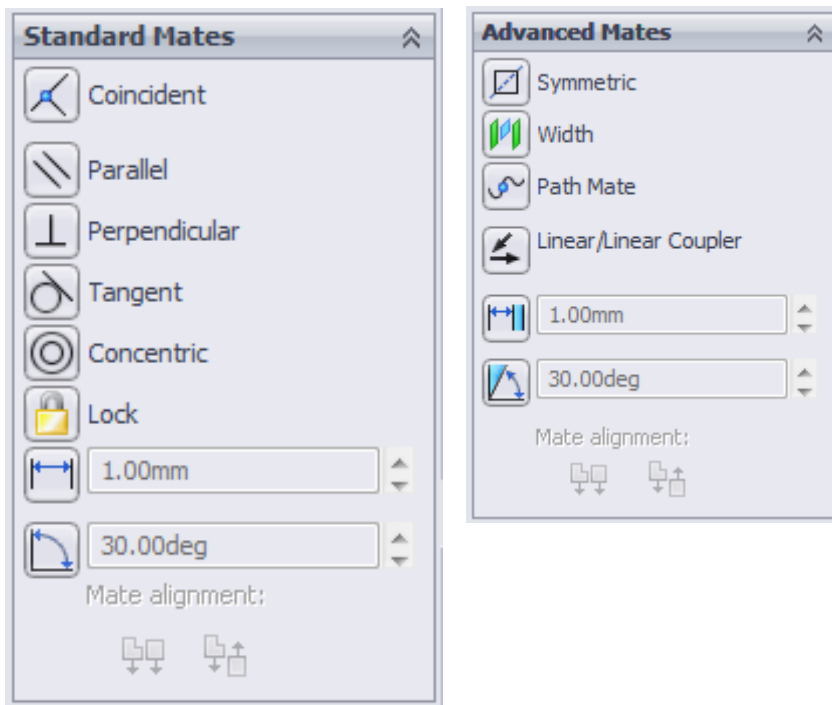
One assembly = one groups of immobile parts

Assembly commands

"Mate": Several kinds of geometric constraints

Standard Mates	Advanced Mates
Coincident	Symmetric
Parallel	Width
Perpendicular	Path Mate
Tangent	Linear/Linear Coupler
Concentric	1.00mm
Lock	30.00deg
1.00mm	Mate alignment:
30.00deg	
Mate alignment:	

Chapter 10: Assembly

Assembly and parts manipulation

Assembly:

References

Parts

Mates
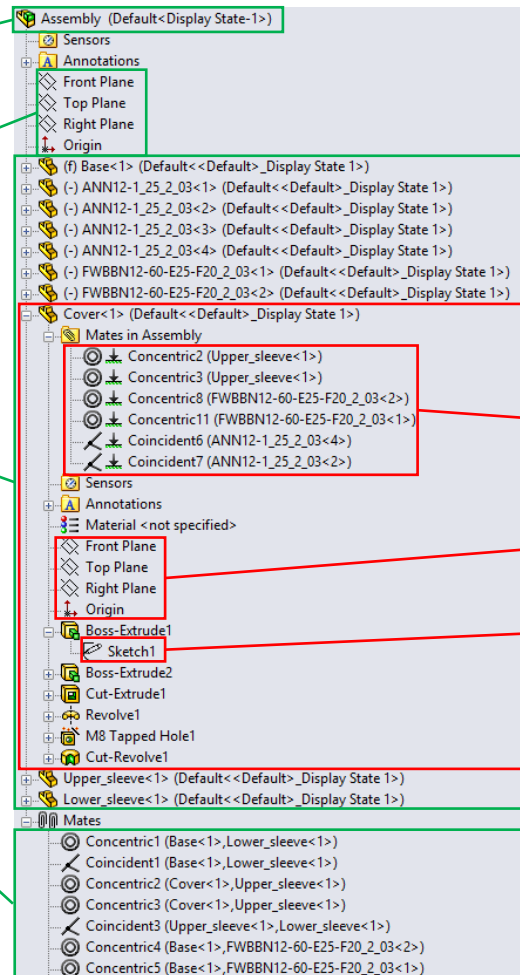
Parts:

Mates
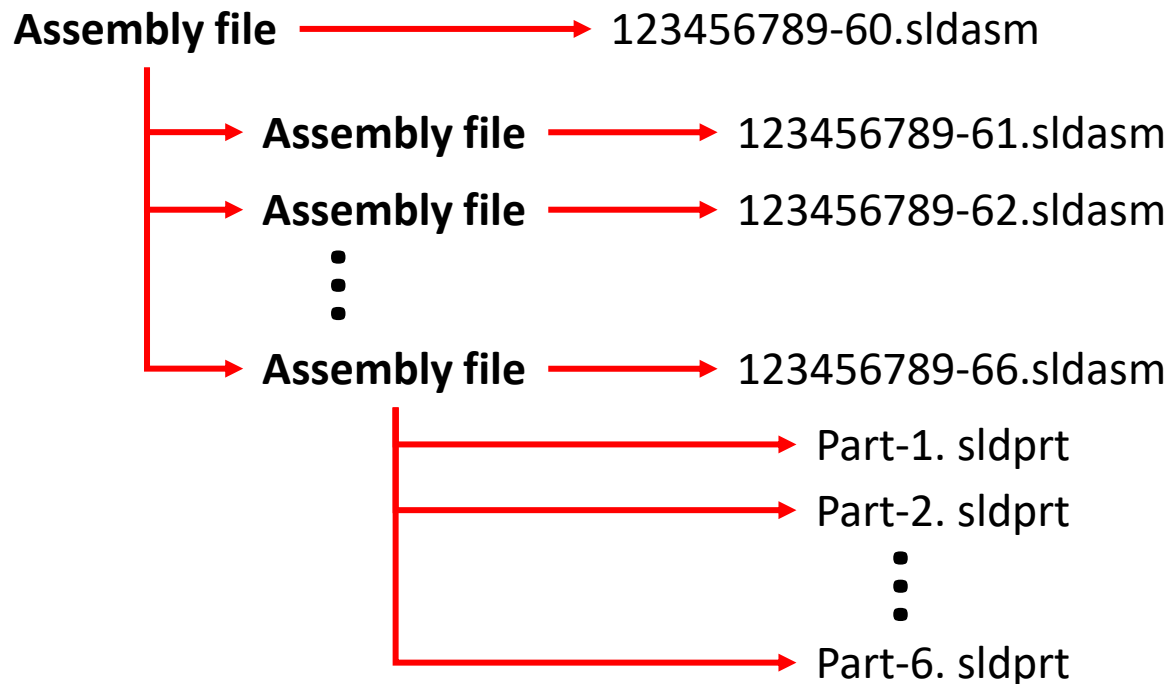
References

Sketch

Chapter 10: Assembly

Files management:

VERY IMPORTANT :
1 - Submit ALL the files !
2 - Do not rename files on "Explorer"
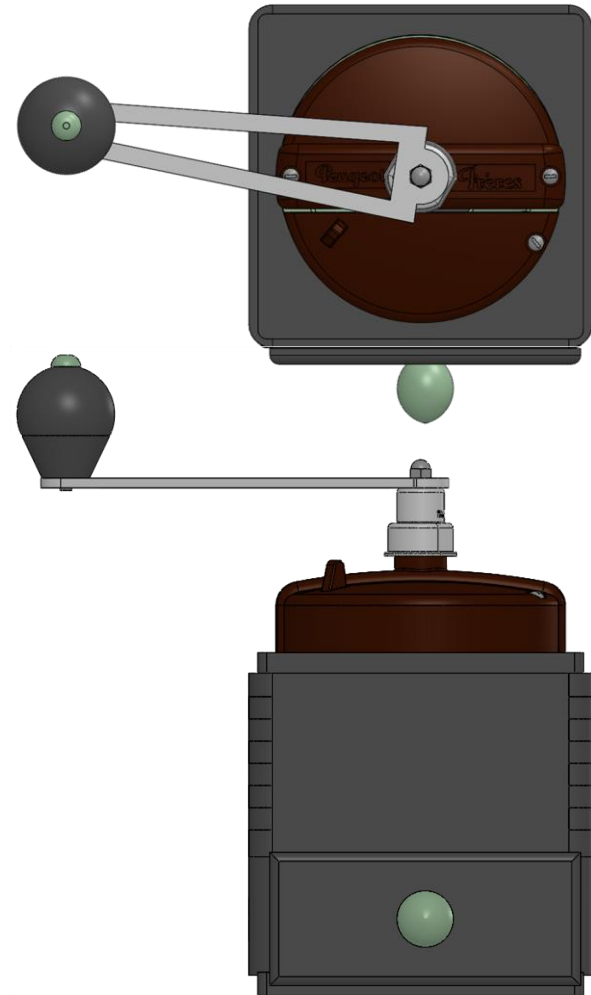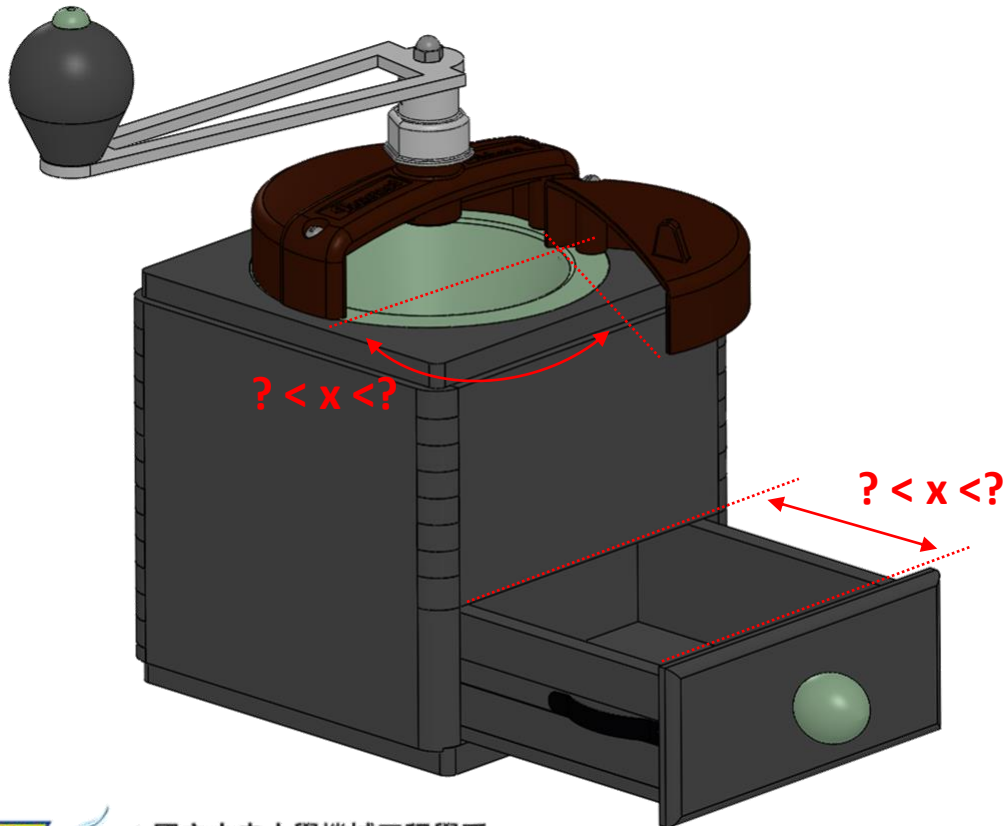**3 - No Chinese character**

Assembly file ⟶ 123456789-60.sldasm

  Assembly file ⟶ 123456789-61.sldasm

  Assembly file ⟶ 123456789-62.sldasm
     ⋮

  Assembly file ⟶ 123456789-66.sldasm

       ⟶ Part-1. sldprt

       ⟶ Part-2. sldprt
          ⋮

       ⟶ Part-6. sldprt

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Exercise:

Main assembly number: 100
Sub-assembly number: 101, 102, …

? < x <?

? < x <?

Chapter 10: Assembly

Exercise:

Back panel
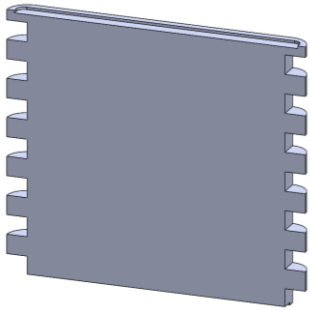
allow adjuster
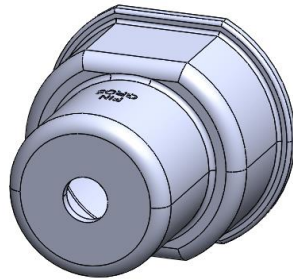
643023x20 (x3)
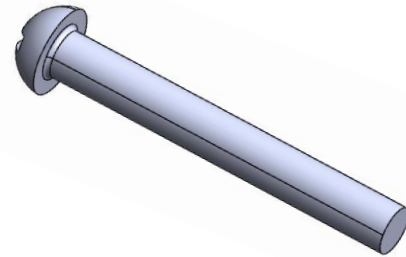
Wooden top

Wooden base

turn knob

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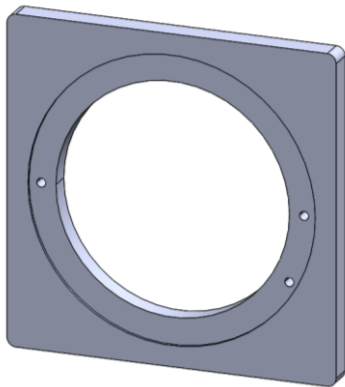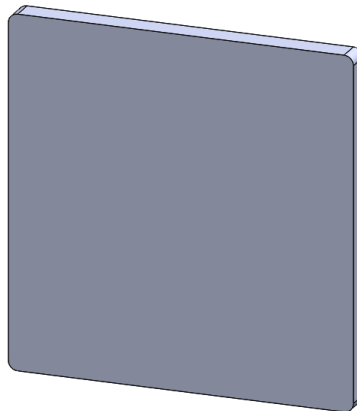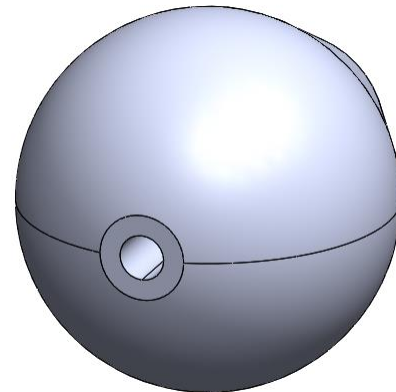
Chapter 10: Assembly

Exercise:

Tray spring

tray sides
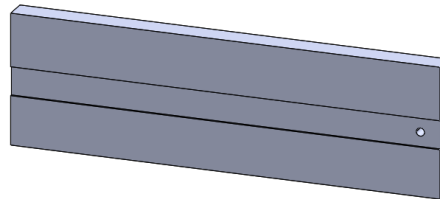
tray front
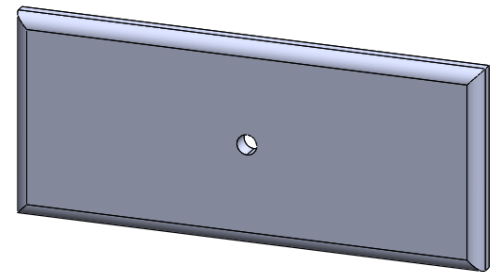
Tray base

tray back

top test

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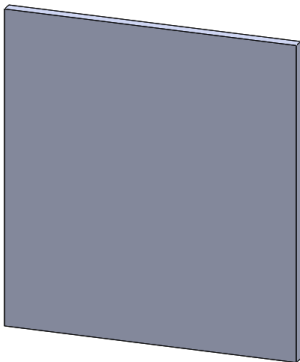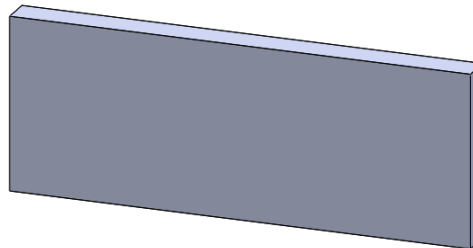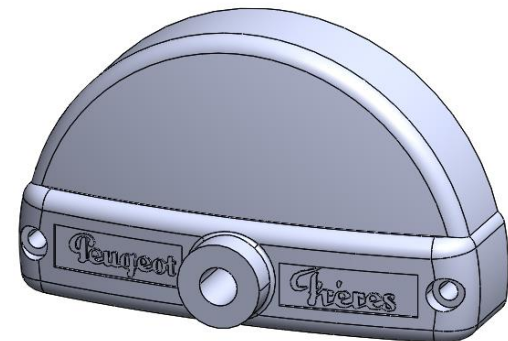
Chapter 10: Assembly

Exercise:

Svivel piece
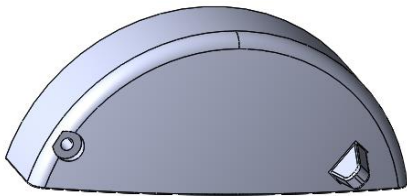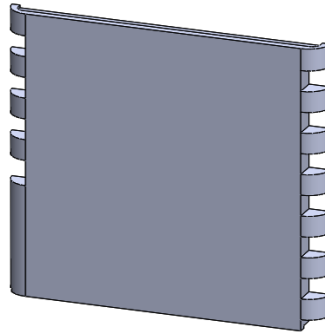
side panel

side panel left
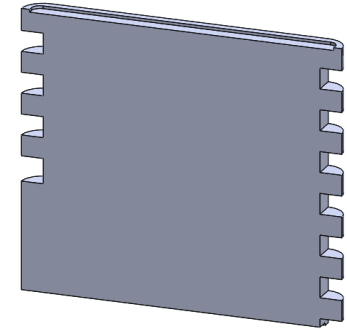
nut
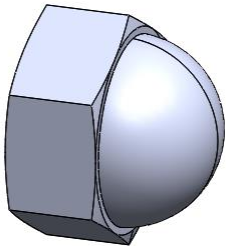
knob pin (x1)
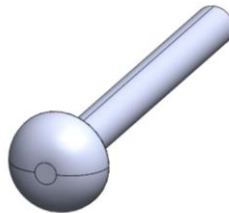
handle
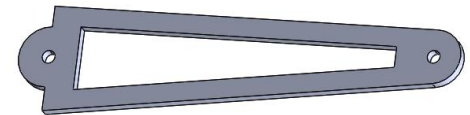
Exercise:

Front panel   **crank**   **bean funnel**