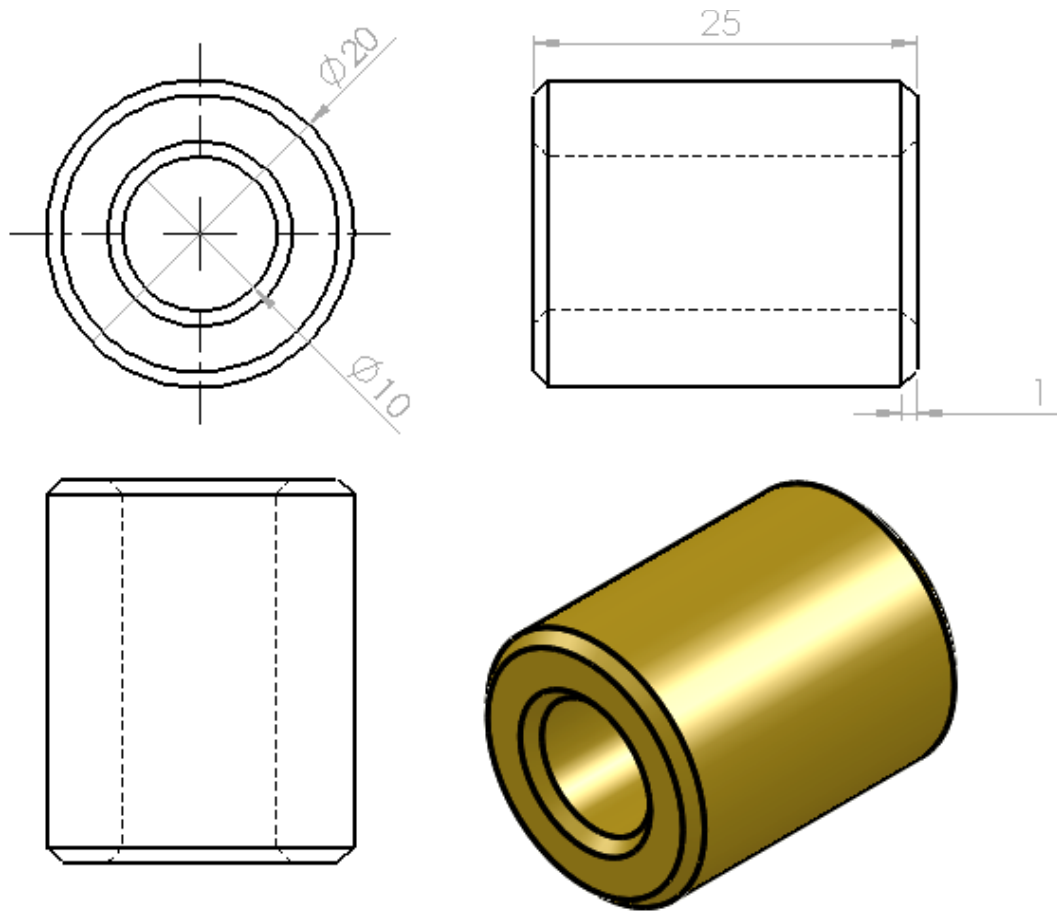


TP 02 : Dessin en 3D des pièces sur SOLIDWORKS

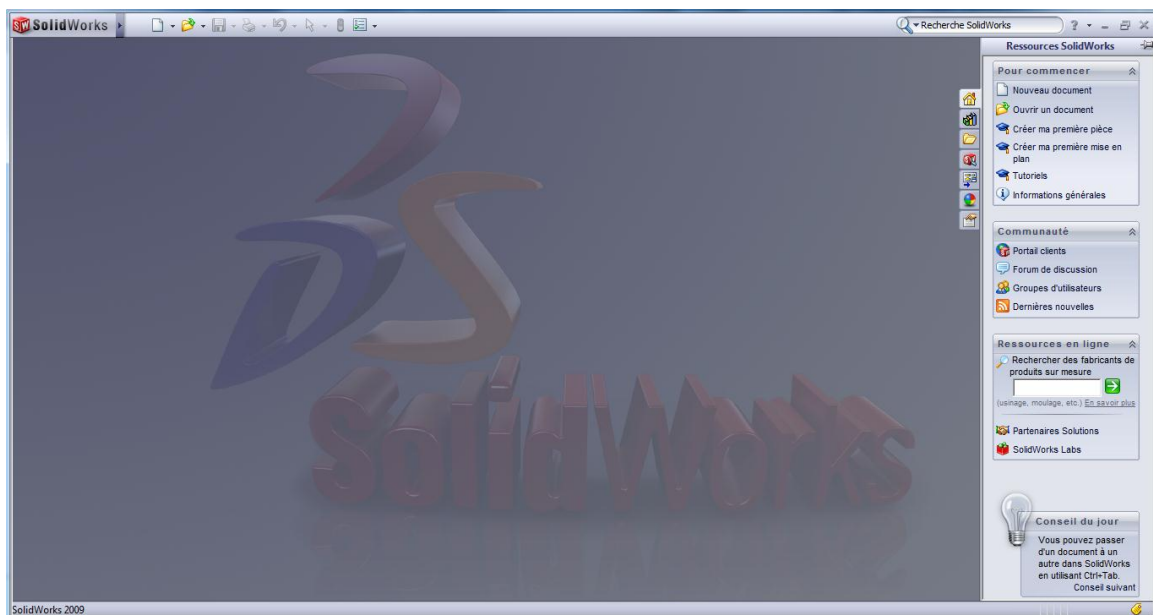
Pièce 01 :

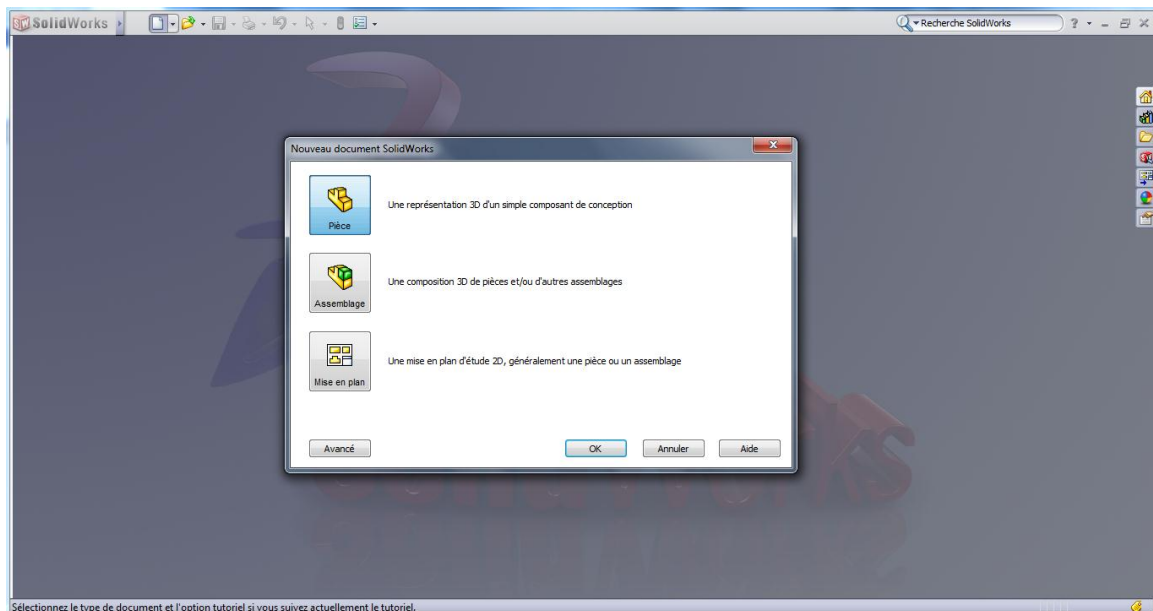


Suivez les étapes suivantes :

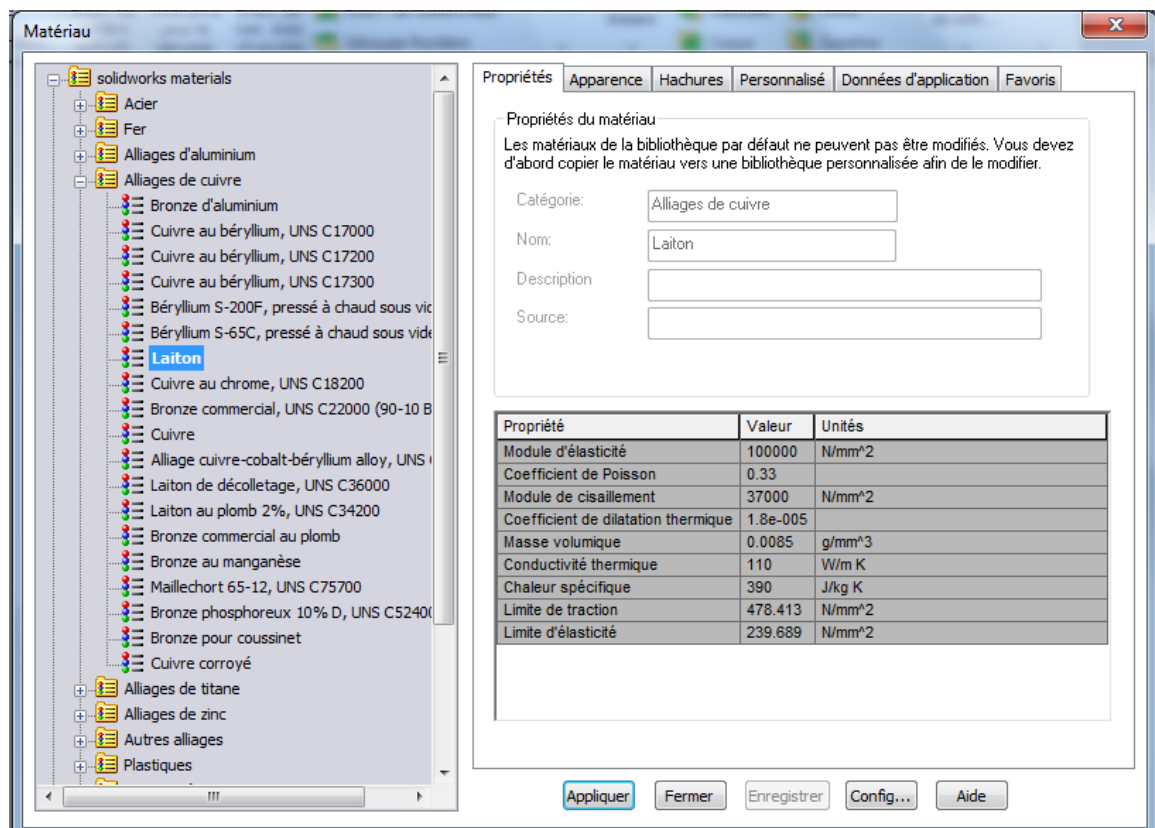
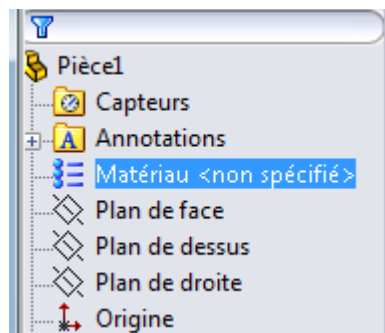
1- Ouvrir **SOLIDWORKS**

2- Cliquez : **Nouveau ----- Pièce**

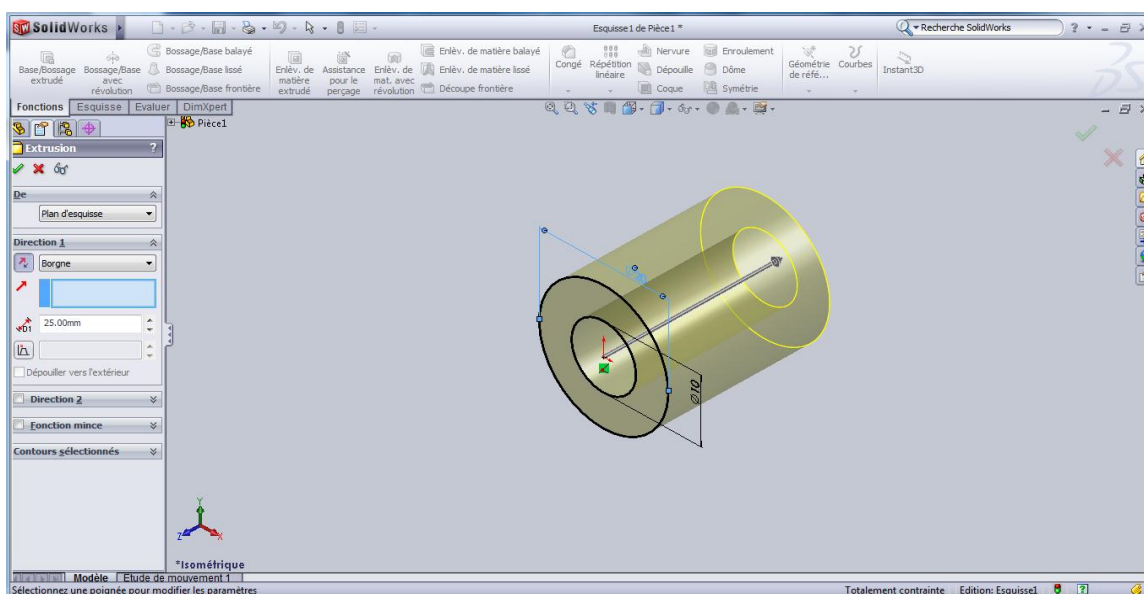
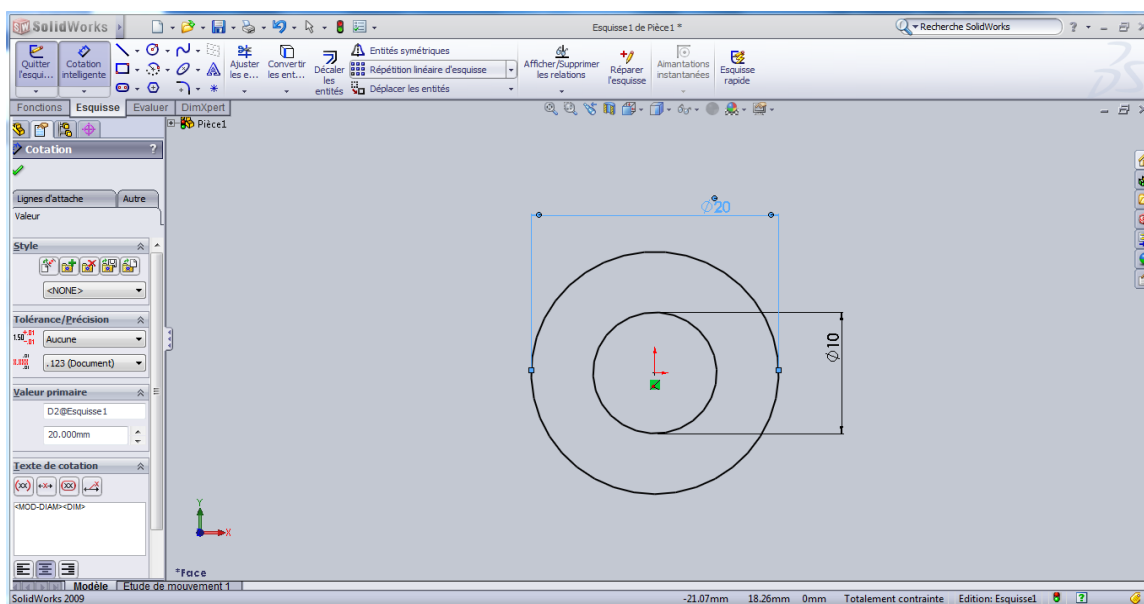




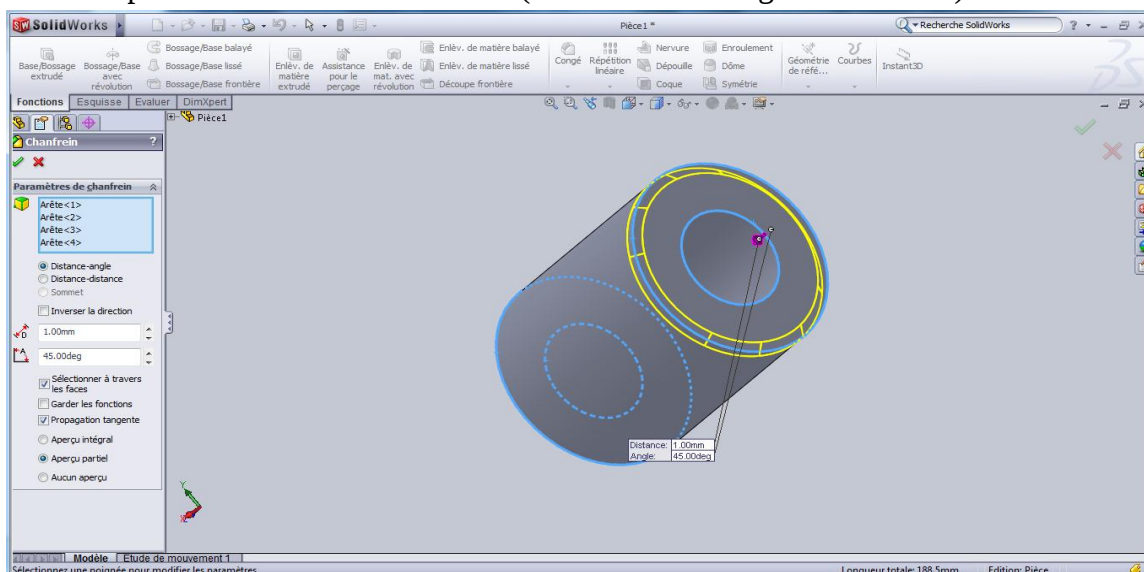
3- Choisissez le matériau de la pièce (Matériau – Editer le matériau – Alliages de cuivre -- Laiton)



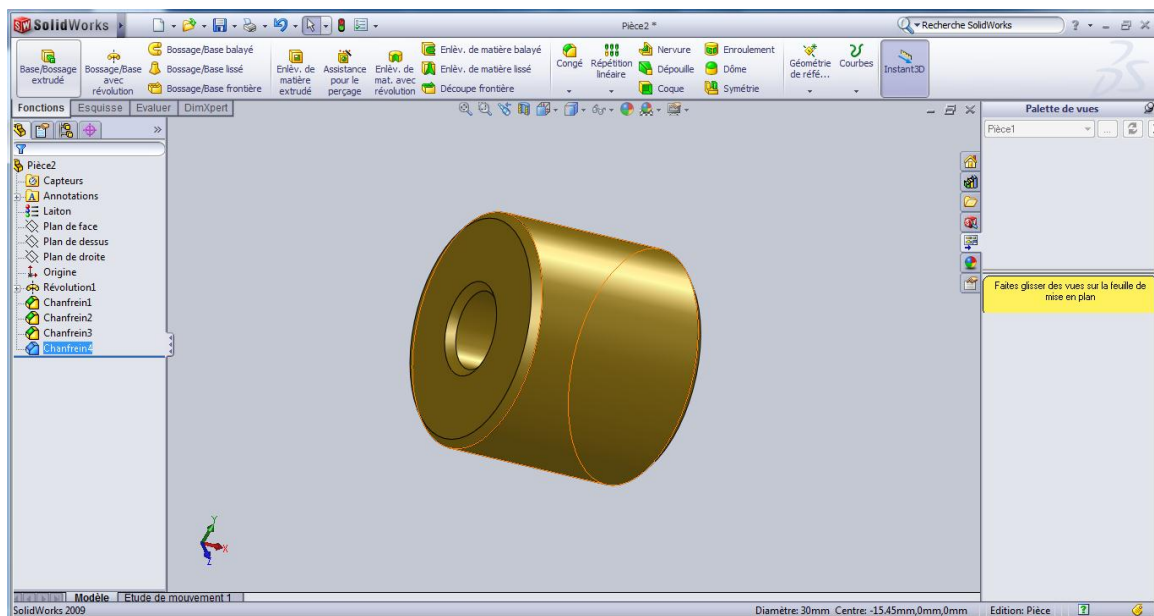
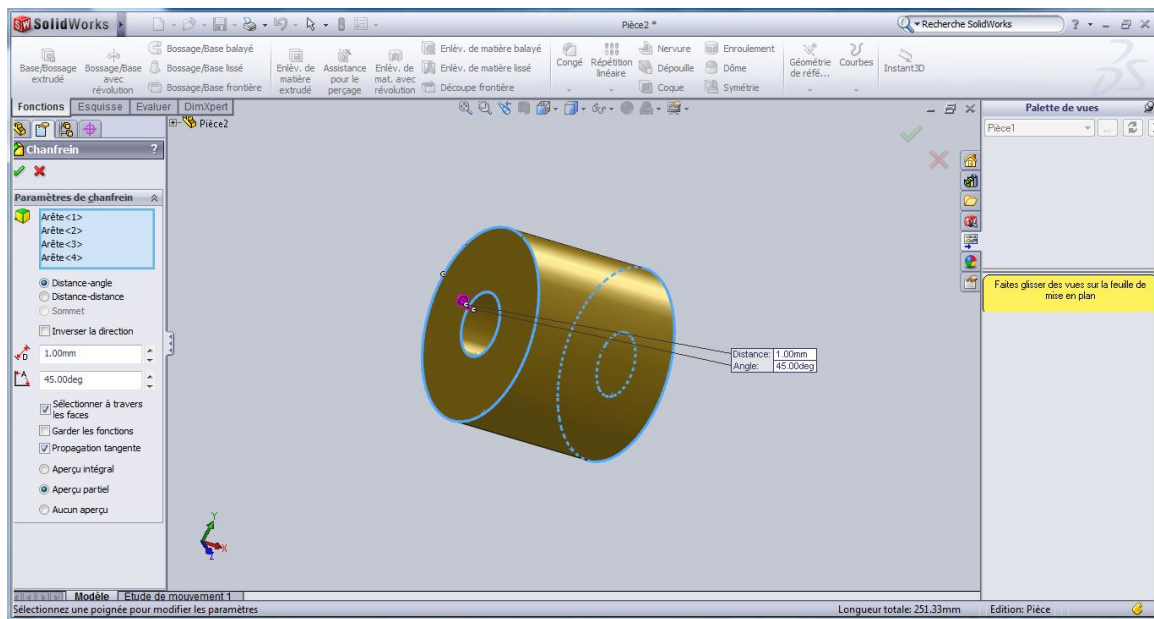
4- **Méthode 01** : Créez une esquisse (deux cercle de diamètre 10 et 20 mm) sur le plan de face, et extrudez la de 25mm (Fonctions --- Base/Bossage extrudé).



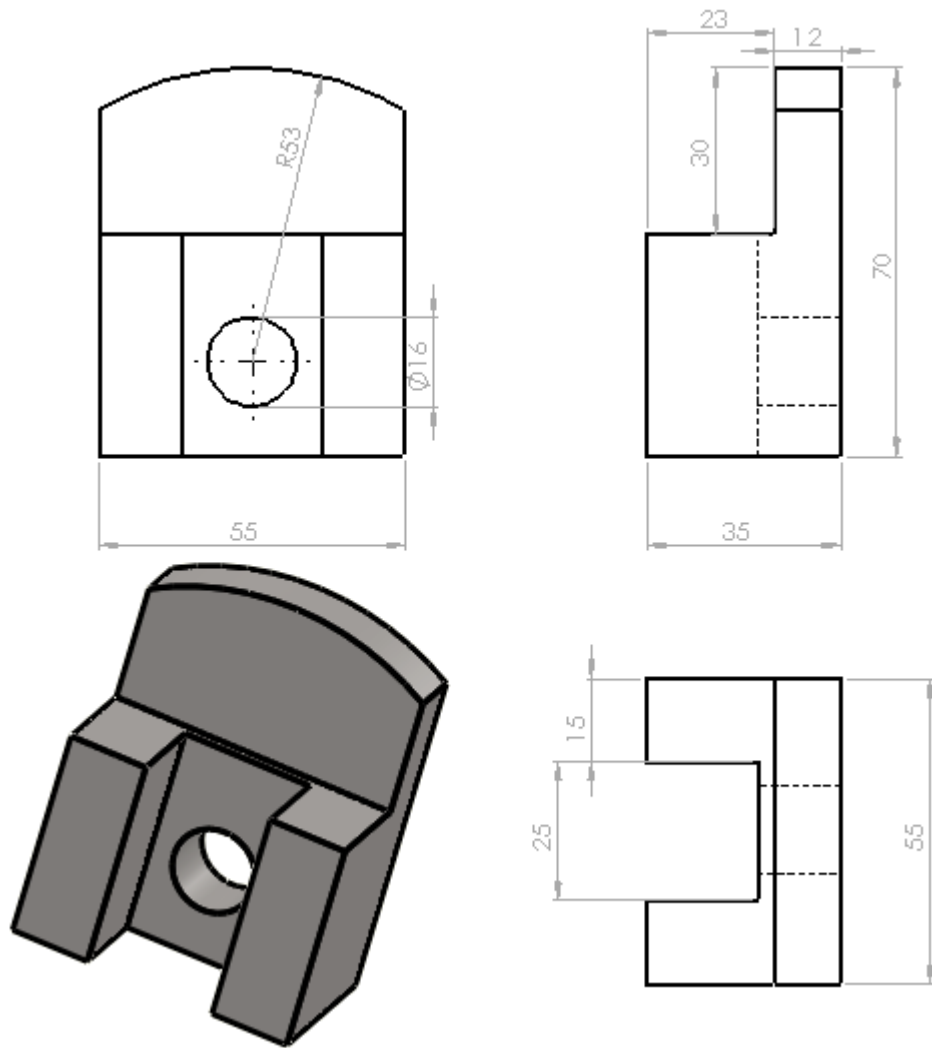
5- Chanfreinez les parties intérieure et extérieure (Fonctions --- Congé --- Chanfrein).



Chanfreinez les parties intérieure et extérieure (Fonctions --- Congé --- Chanfrein).



Pièce 02

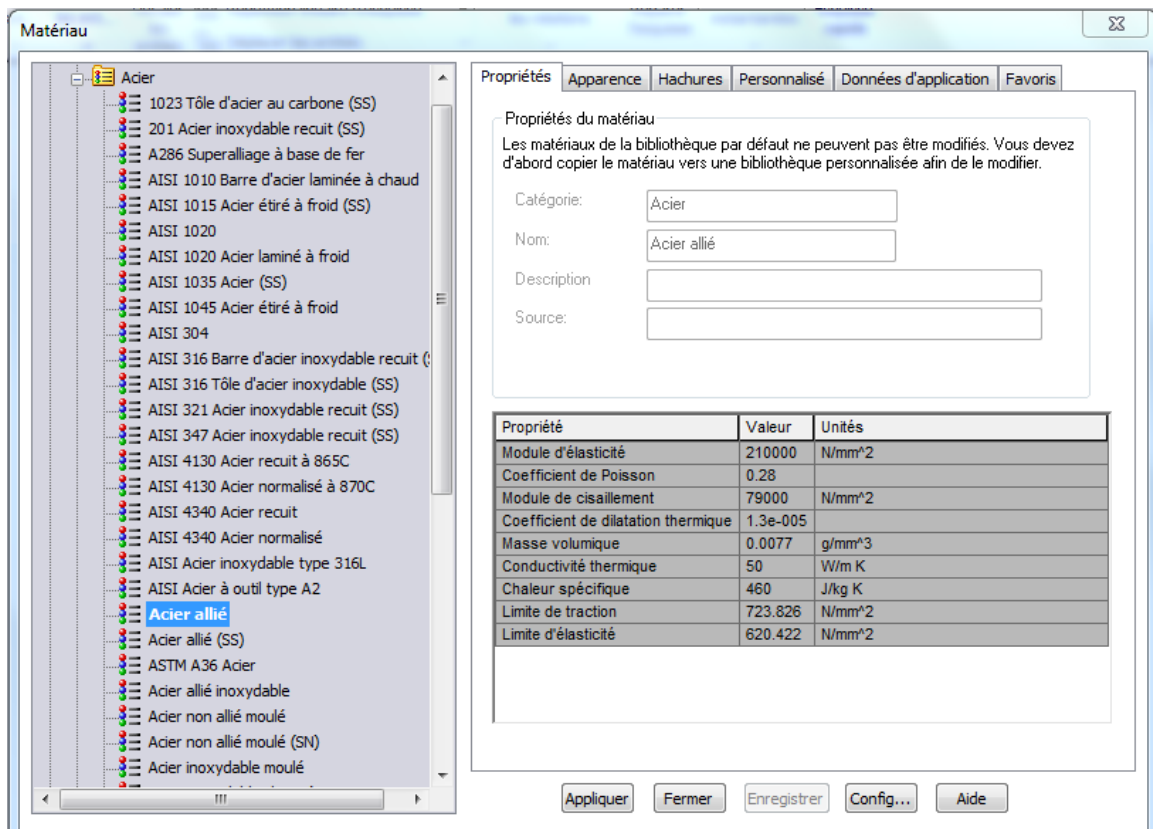


Suivez les étapes suivantes :

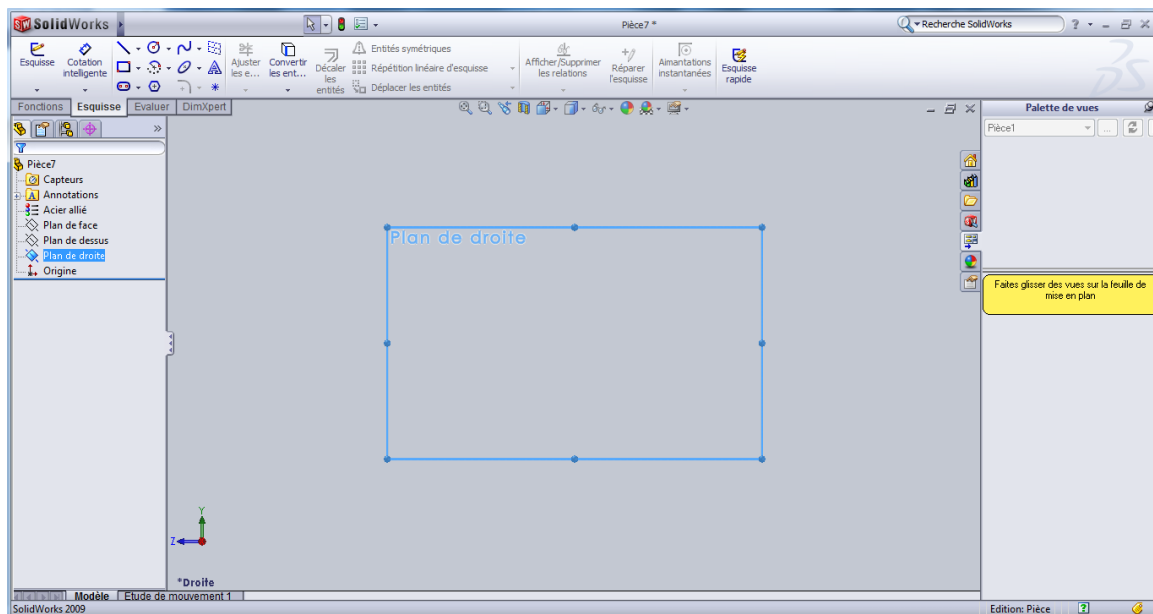
1- Ouvrir **SOLIDWORKS**

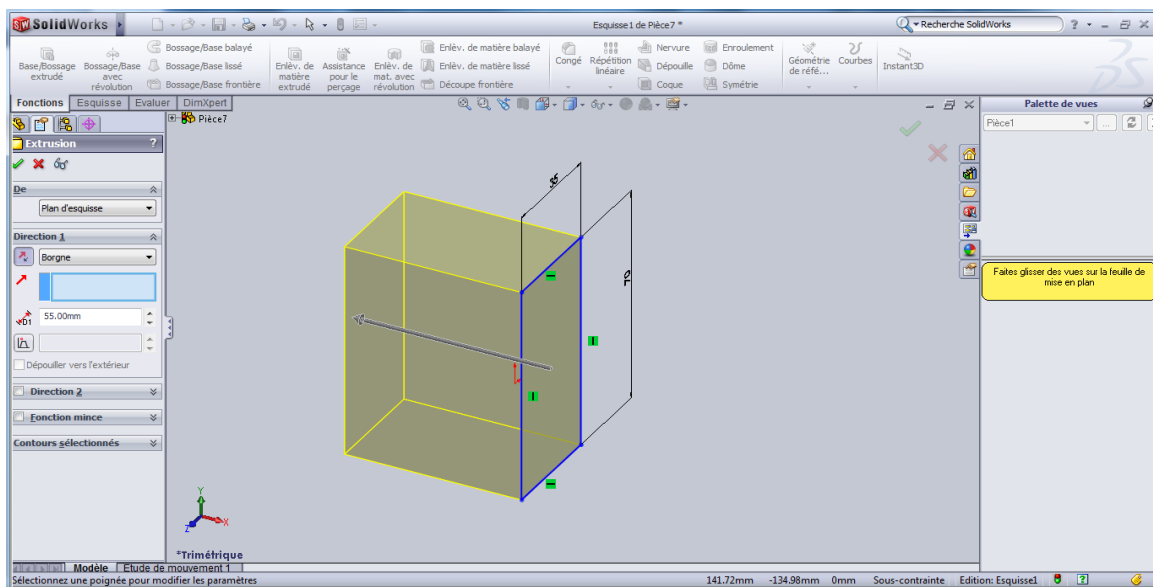
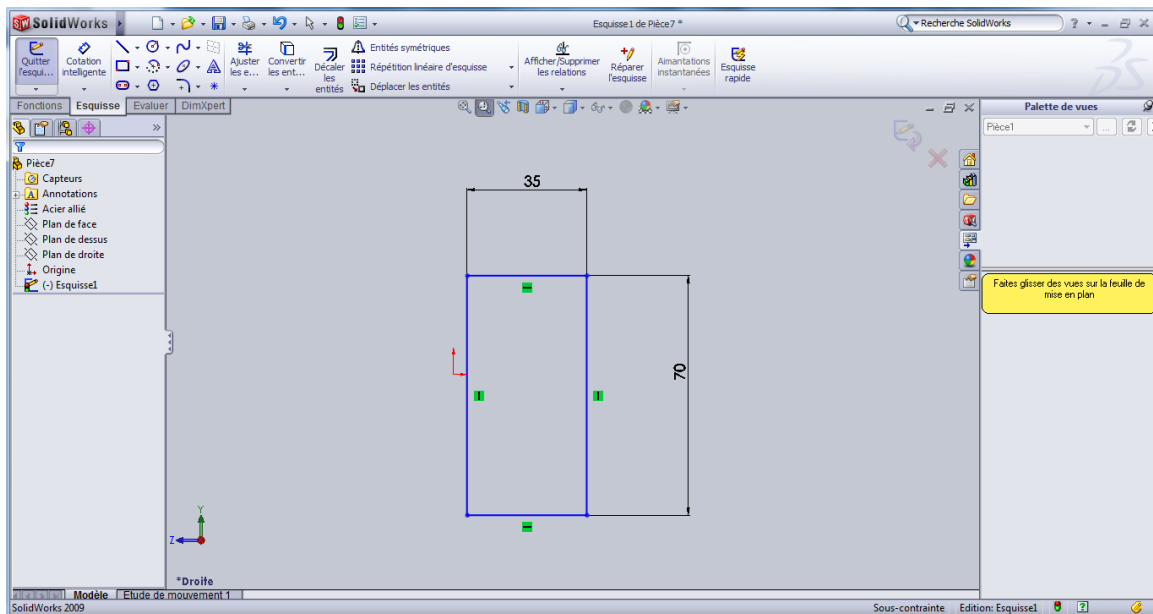
2- Cliquez : **Nouveau ----- Pièce**

3- Choisissez le matériau de la pièce (Acier allié)

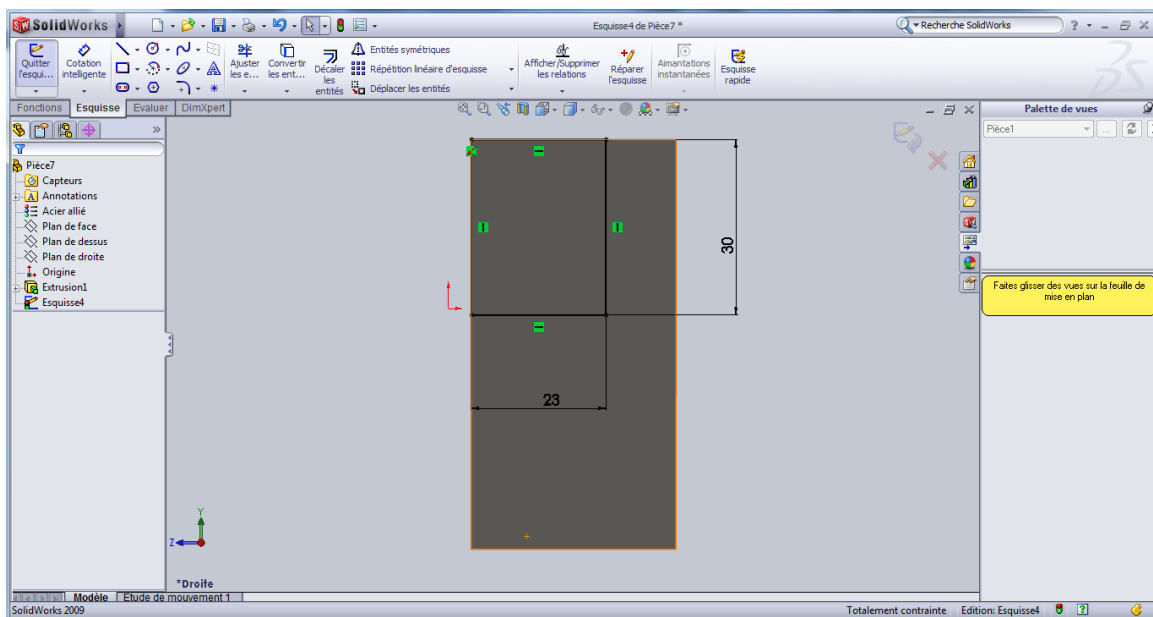


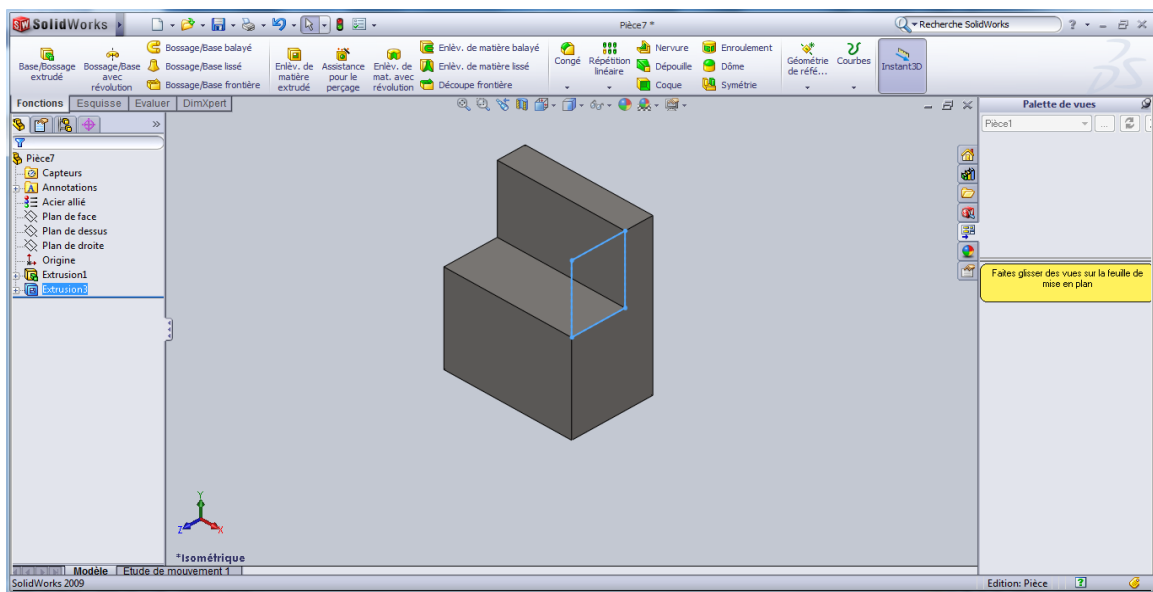
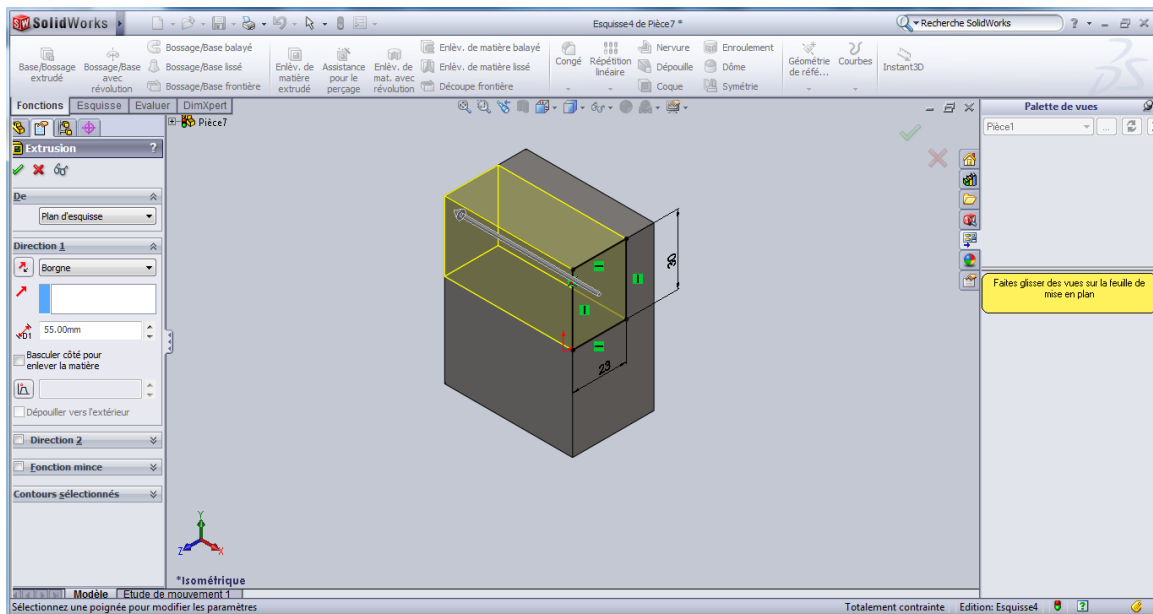
4- Créez une esquisse (rectangle) sur le plan de droite, et extrudez le de 55mm (Fonctions --- Base/Bossage extrudé).



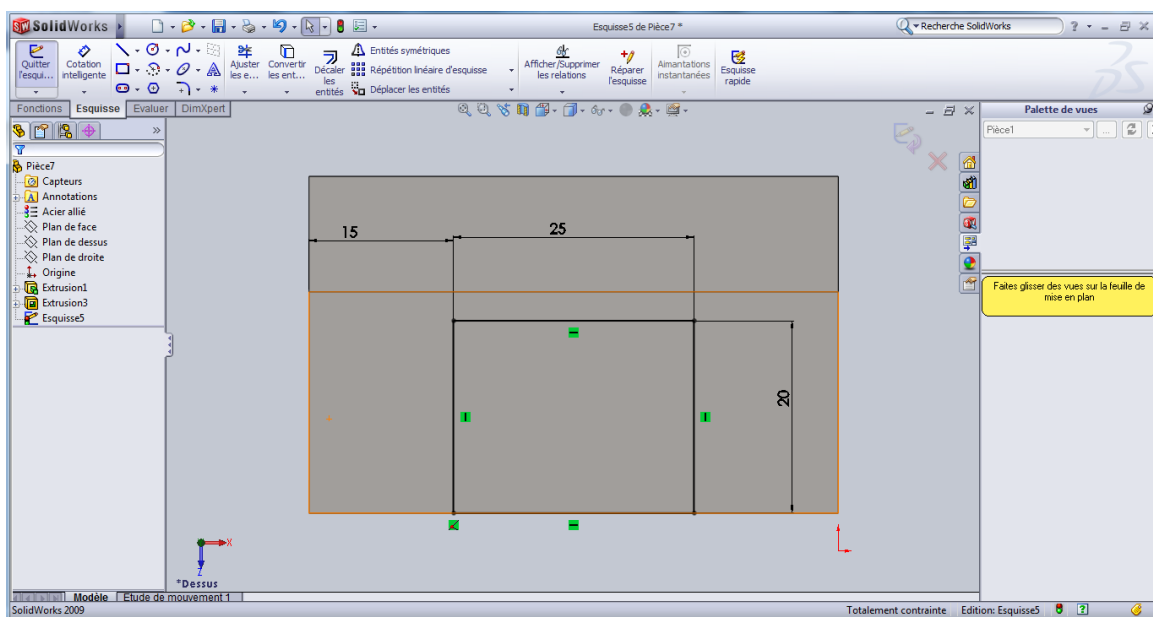


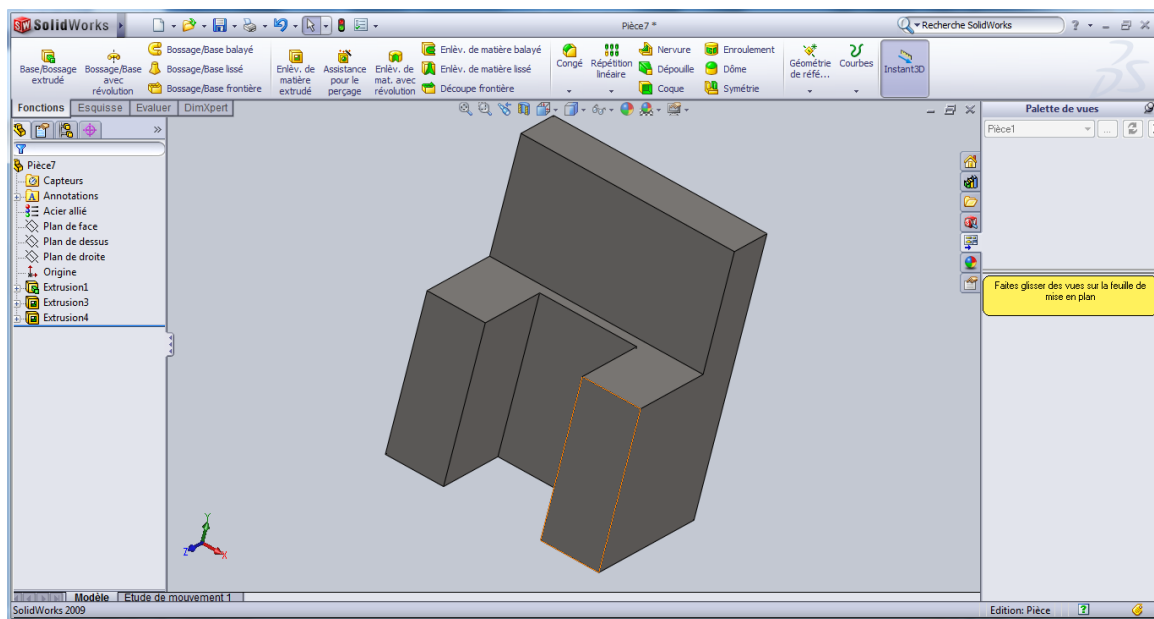
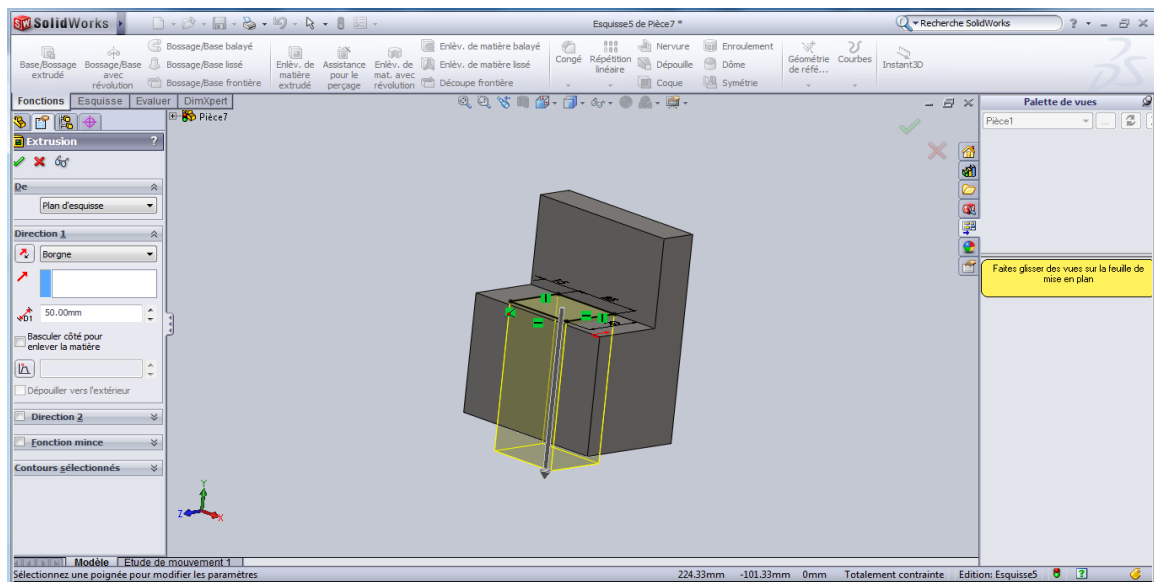
5- Créez une esquisse (rectangle) sur le plan de droite, et enlever la matière (Fonctions --- Enlèvement de matière extrudé).



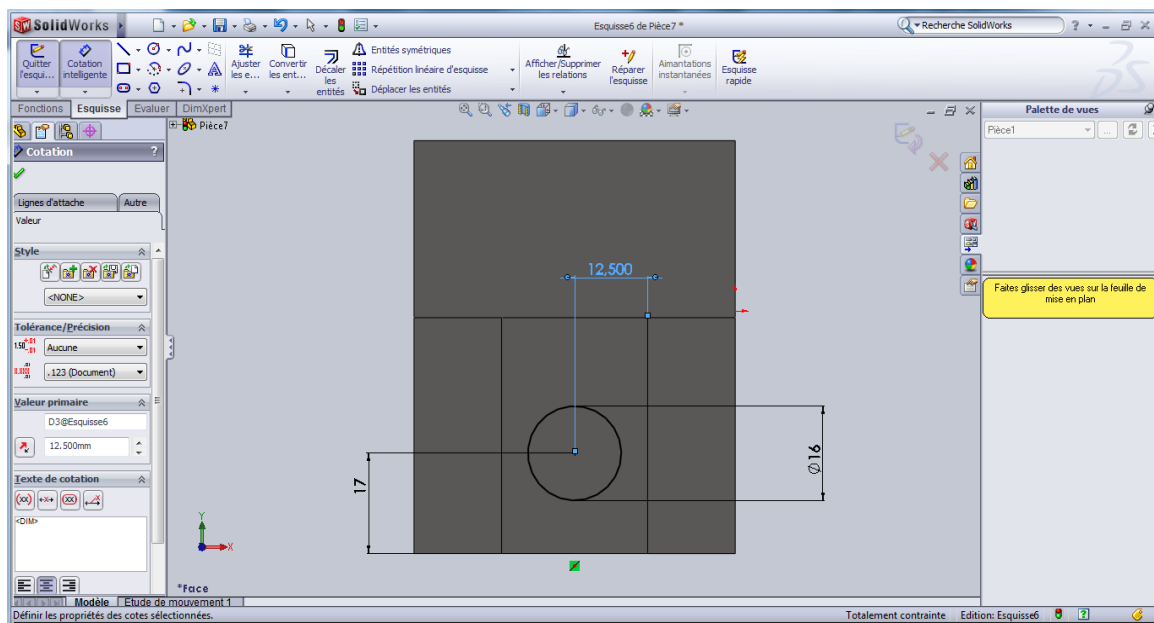


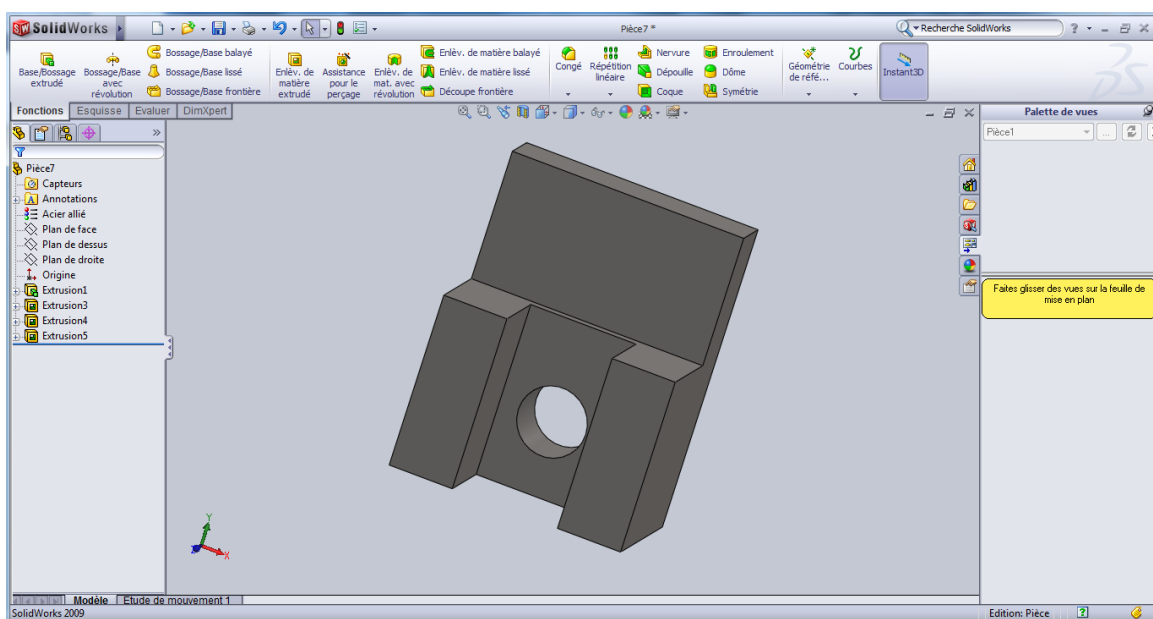
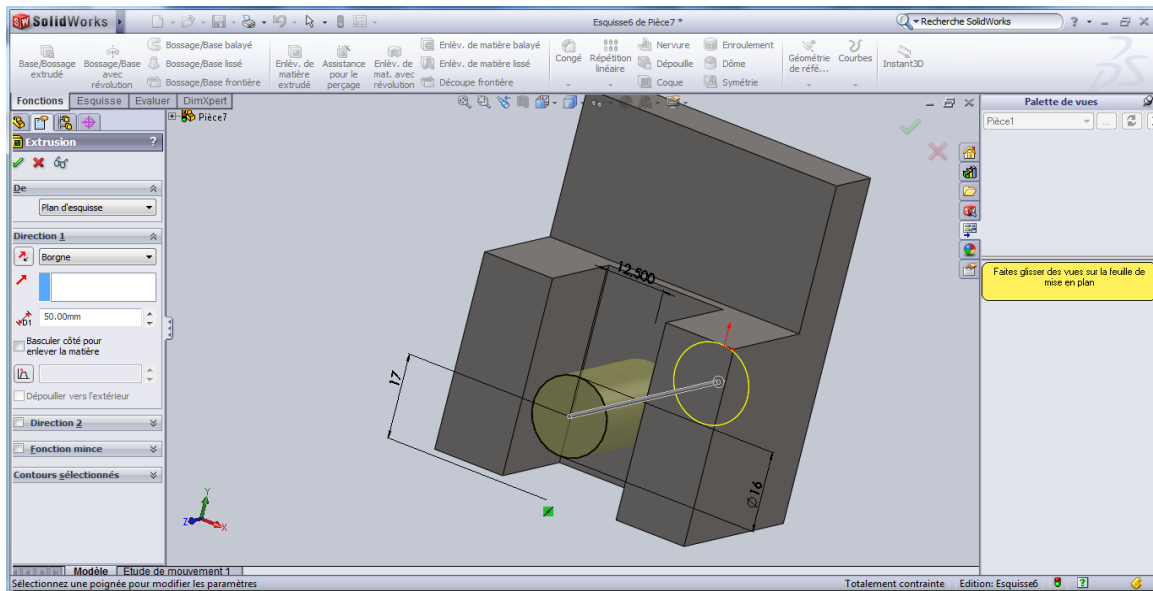
6- Créez une esquisse (rectangle) sur le plan de dessus, et enlever la matière (Fonctions --- Enlèvement de matière extrudé).



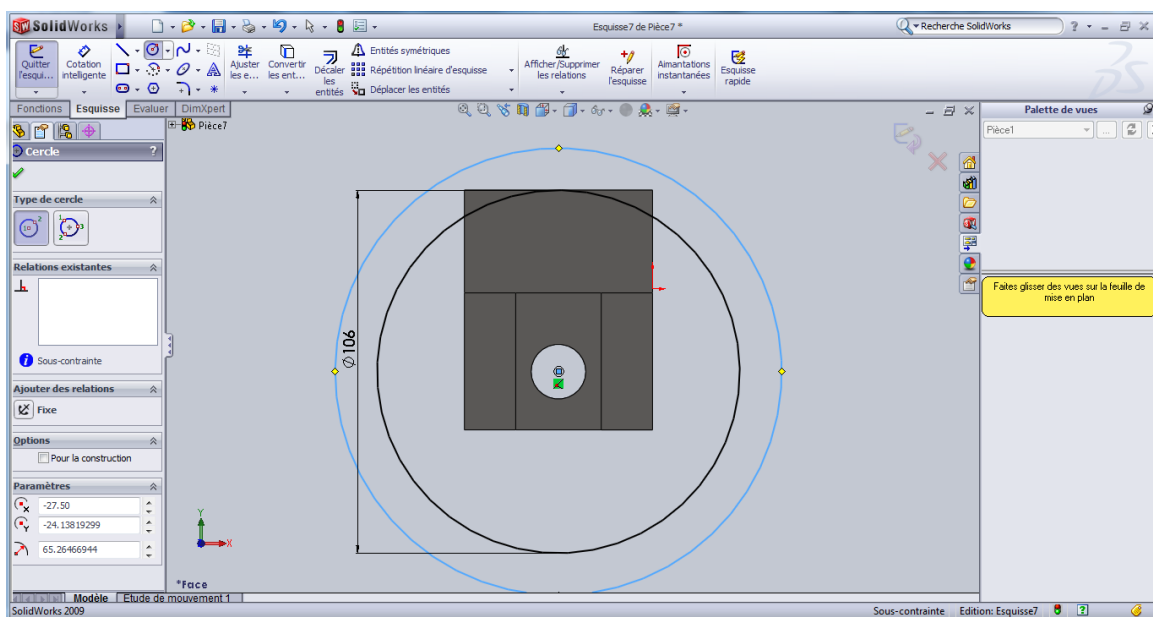


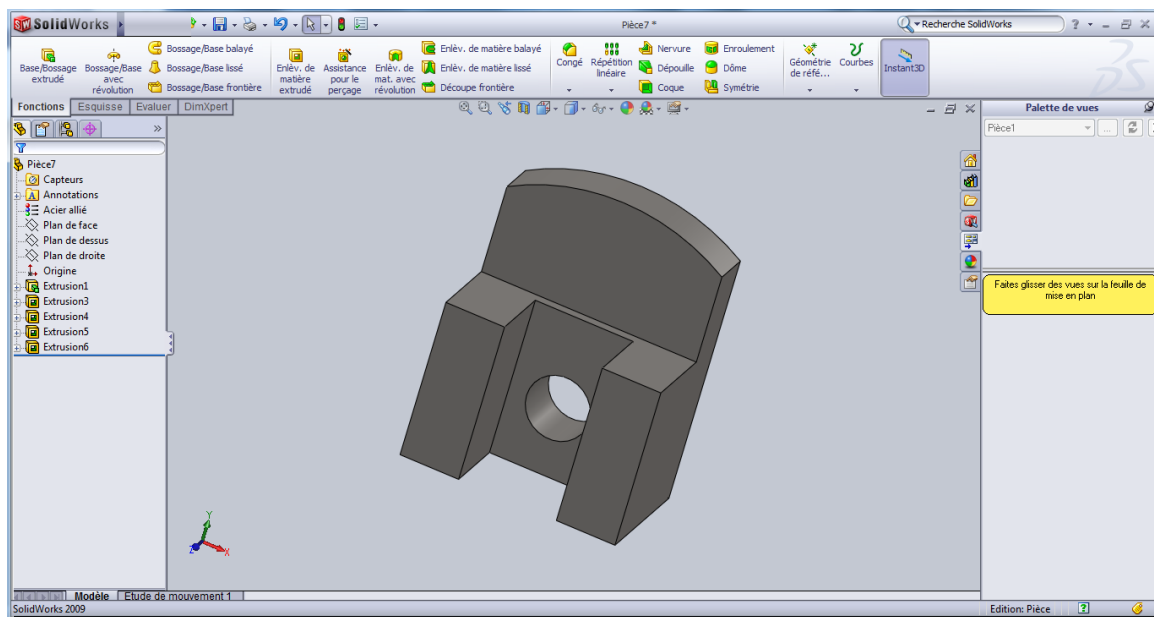
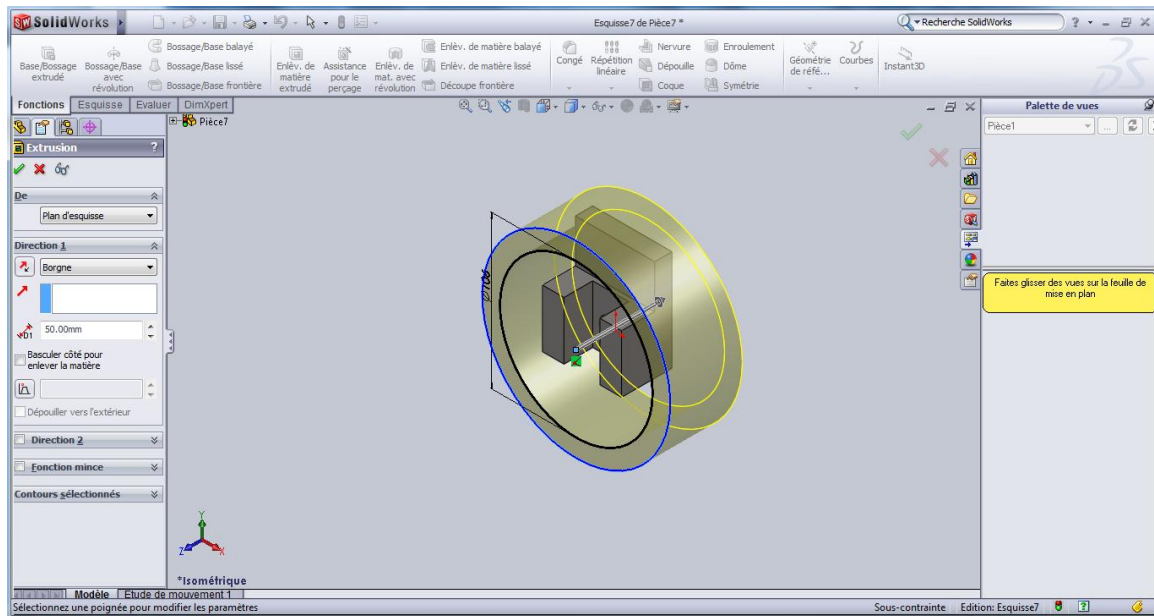
7- Créez une esquisse (cercle) sur le plan de face, et enlever la matière (Fonctions --- Enlèvement de matière extrudé).



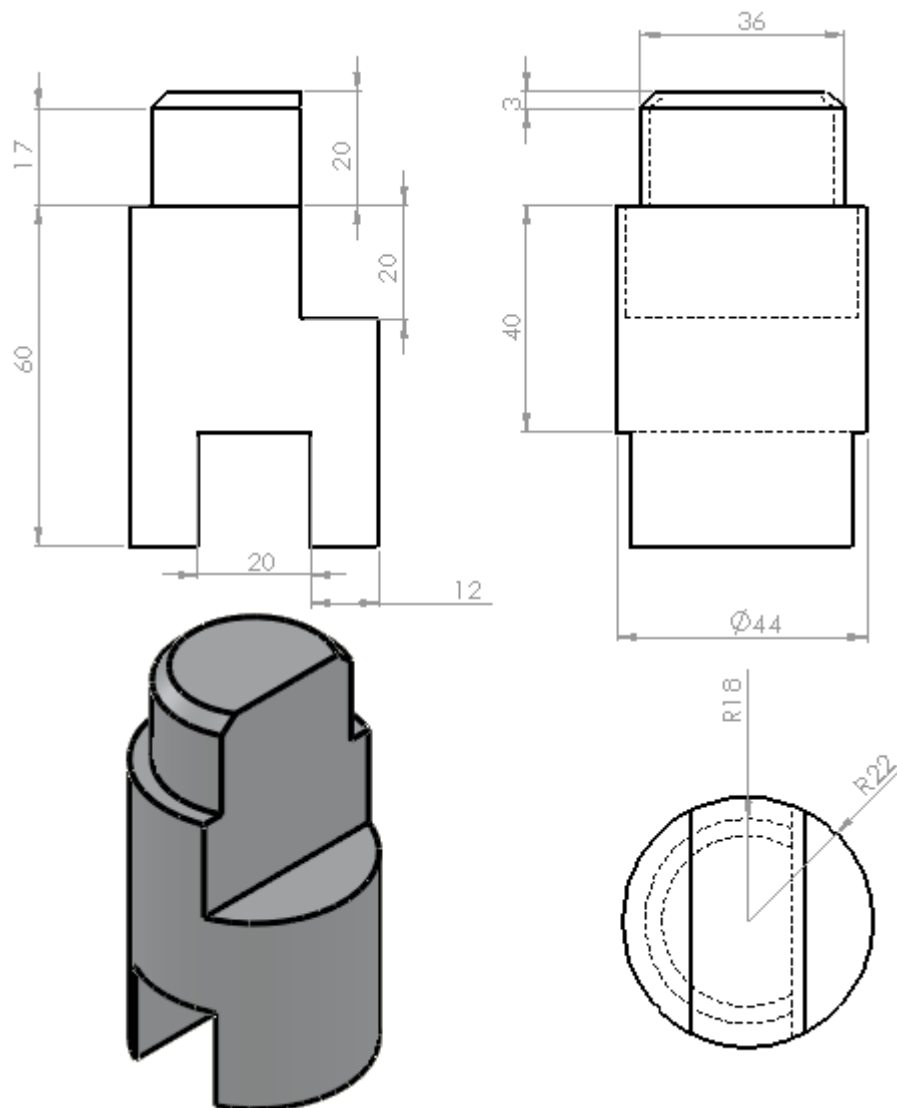


7- Créez une esquisse (deux cercle) sur le plan de face, et enlever la matière (Fonctions --- Enlèvement de matière extrudé).





Pièce 03

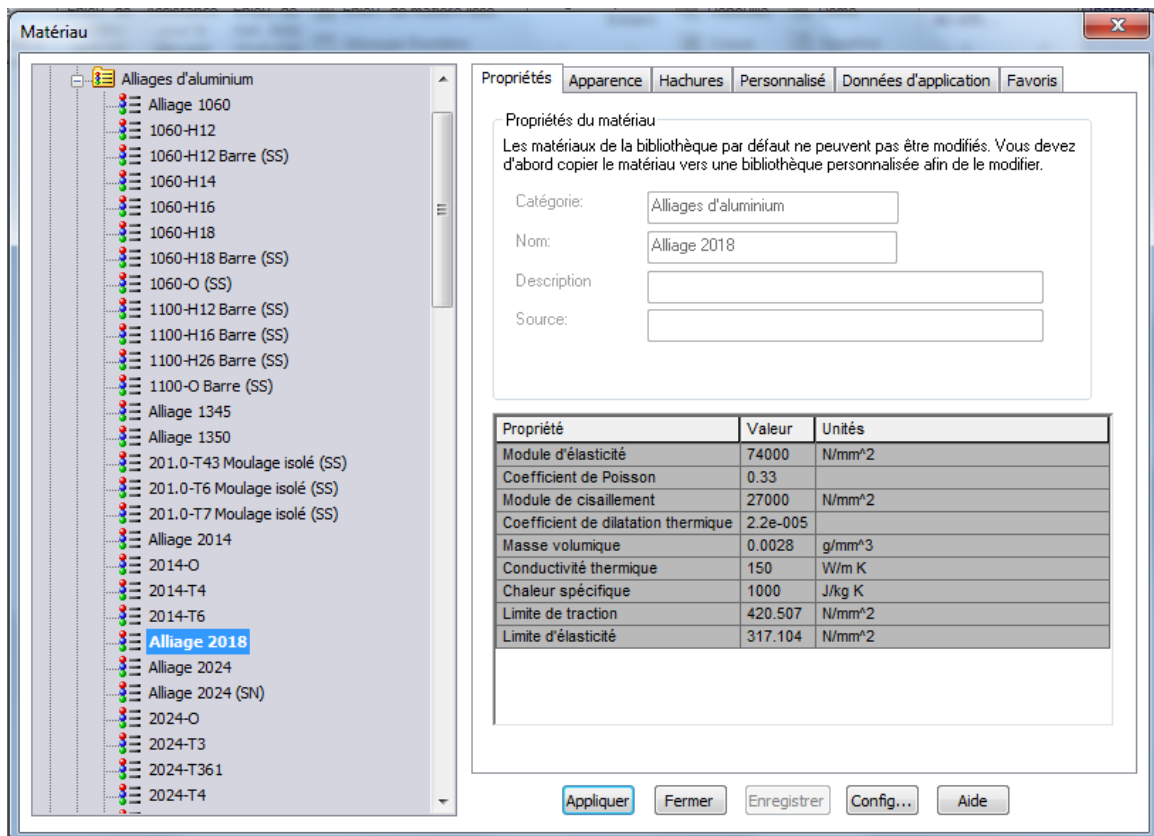


Suivez les étapes suivantes :

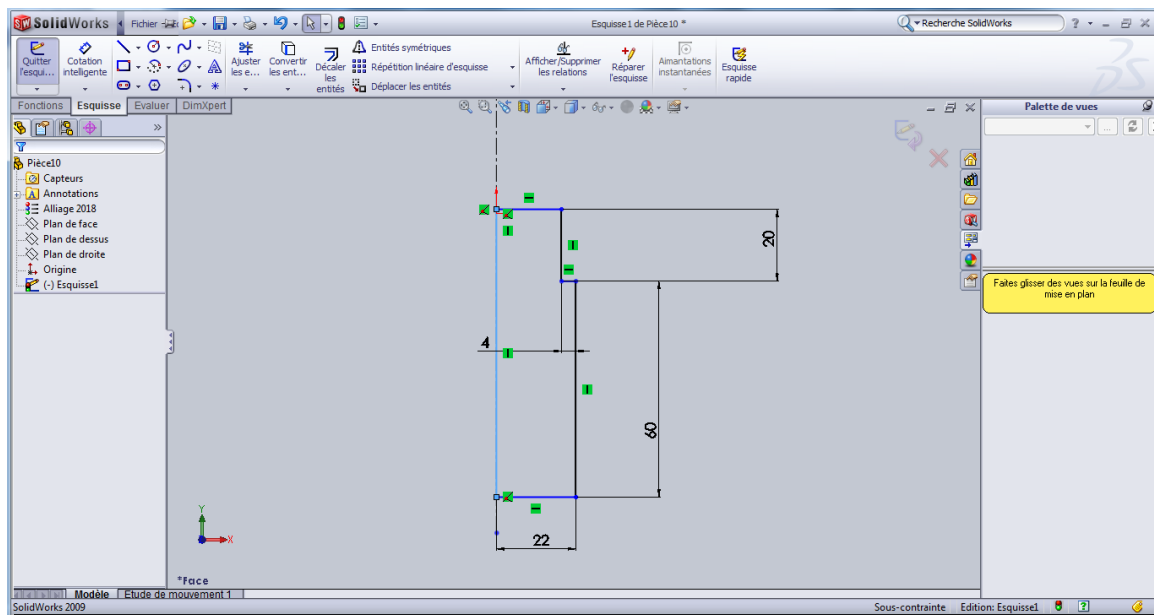
1- Ouvrir **SOLIDWORKS**

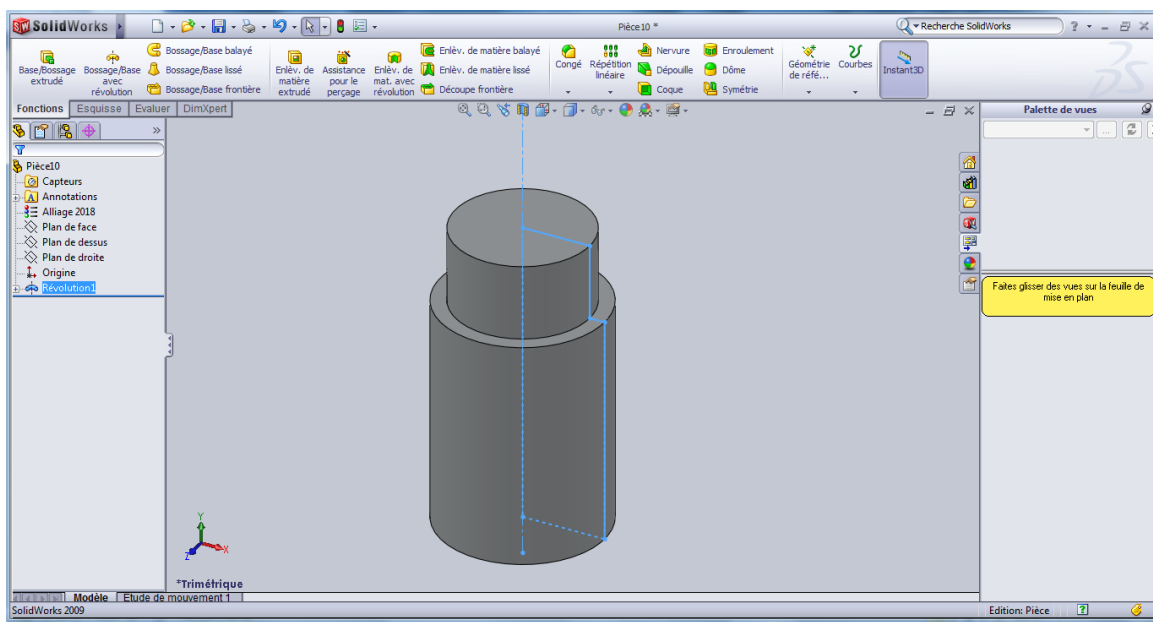
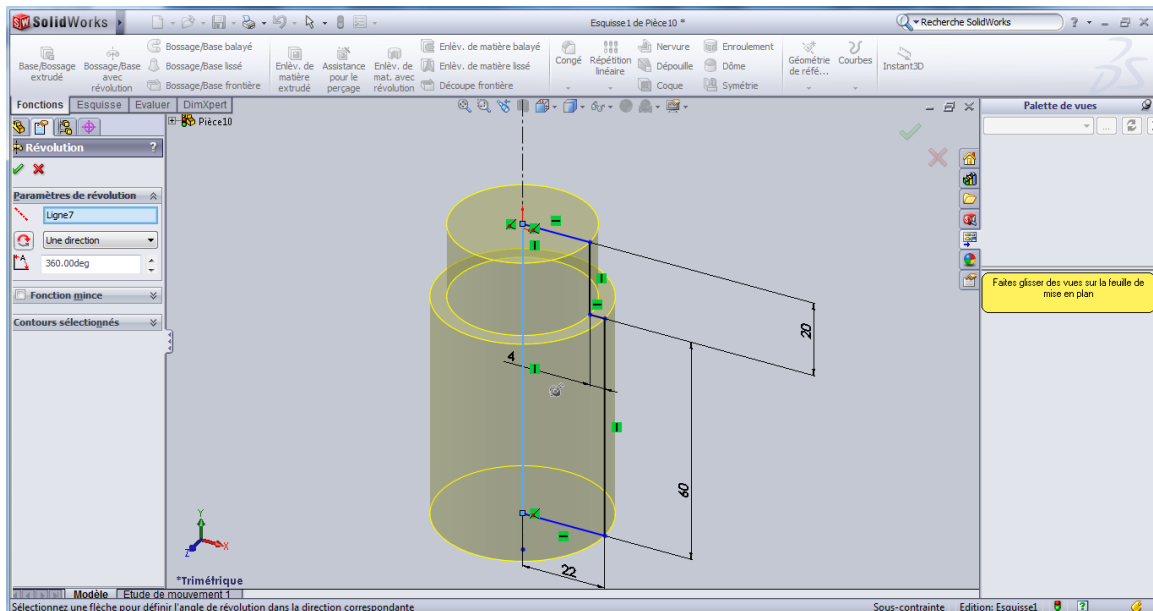
2- Cliquez : **Nouveau ----- Pièce**

3- Choisissez le matériau de la pièce (Alliage d'Aluminium 2018)

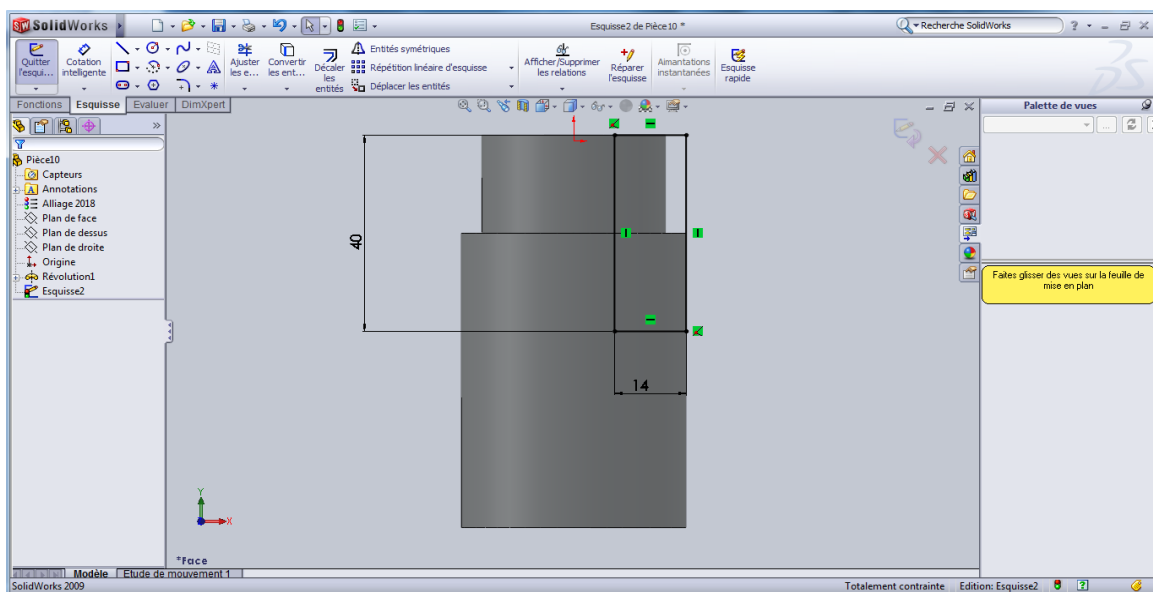


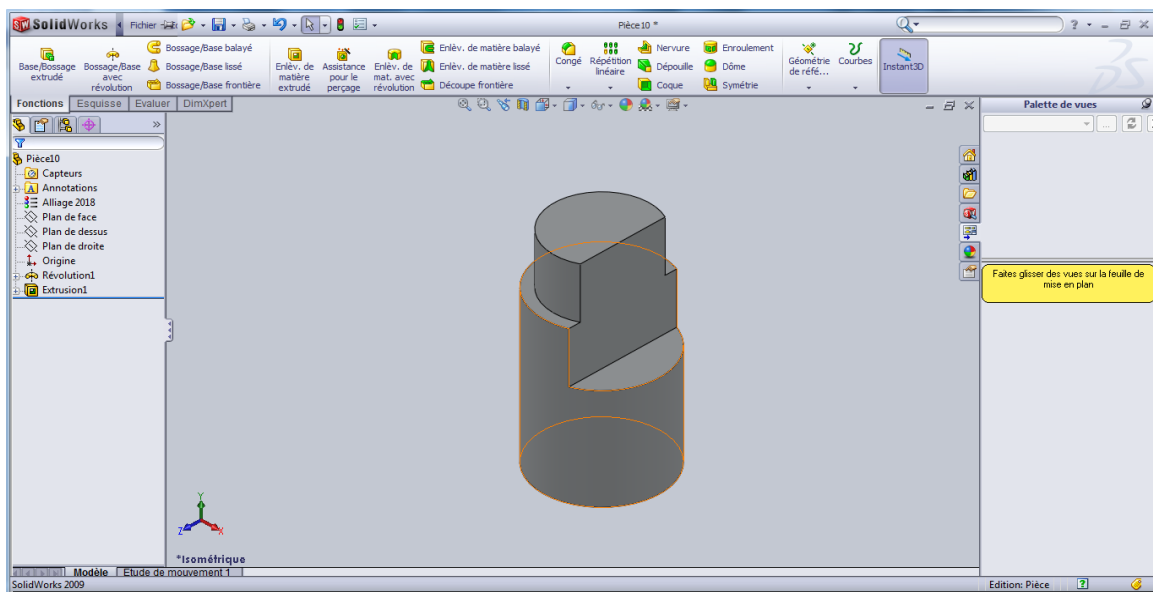
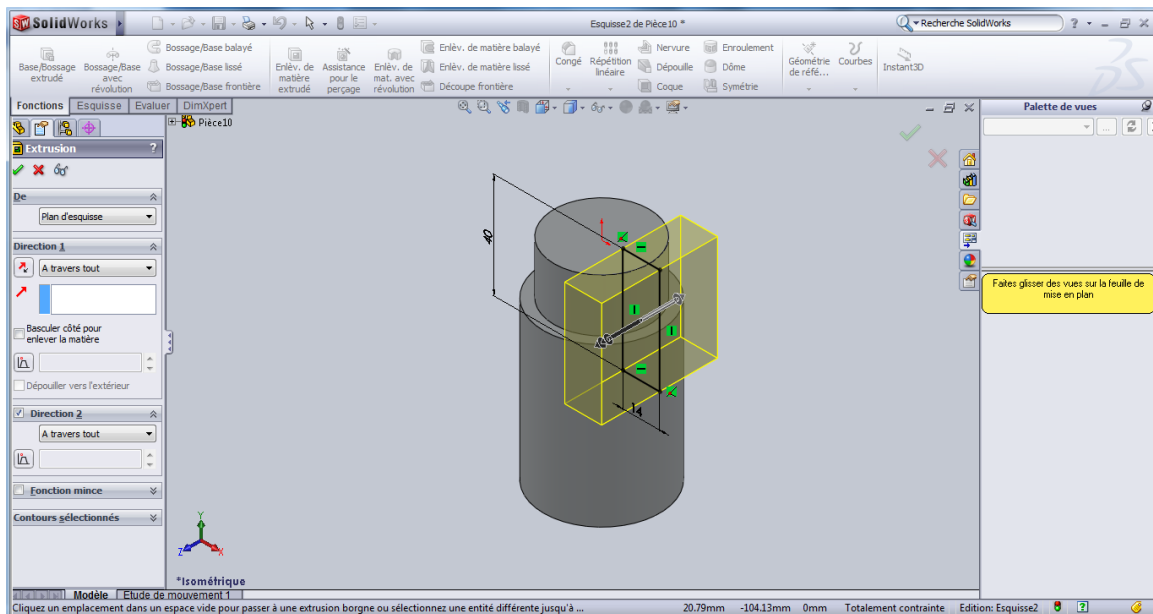
4- Tracer une ligne de construction, et dessiner l'esquisse, et extrudez-la avec la fonction Bossage/Base avec révolution.



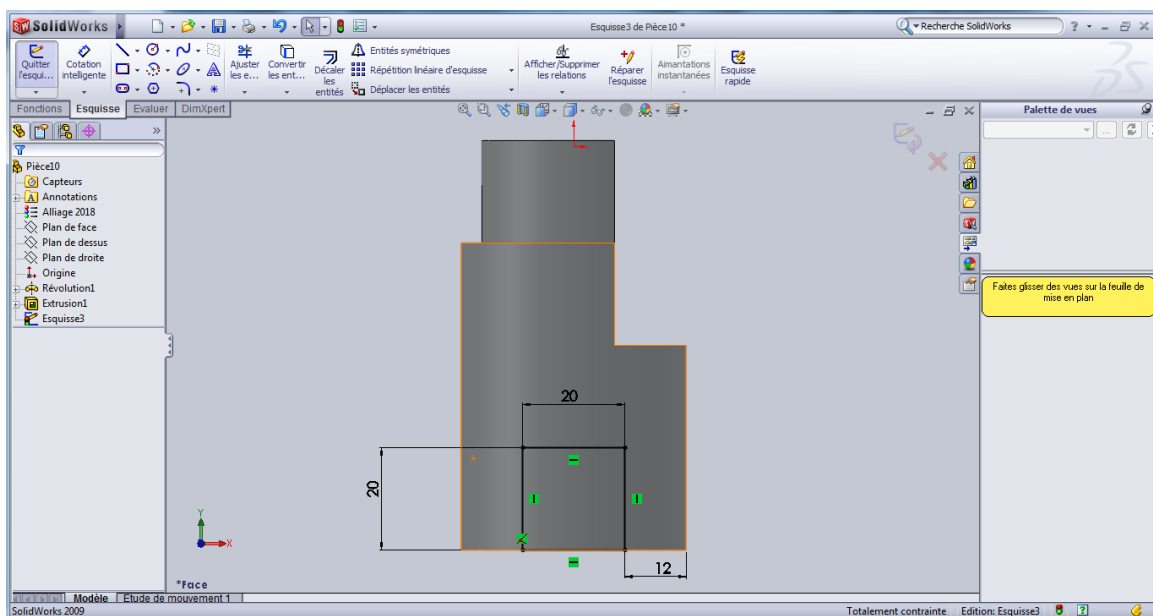


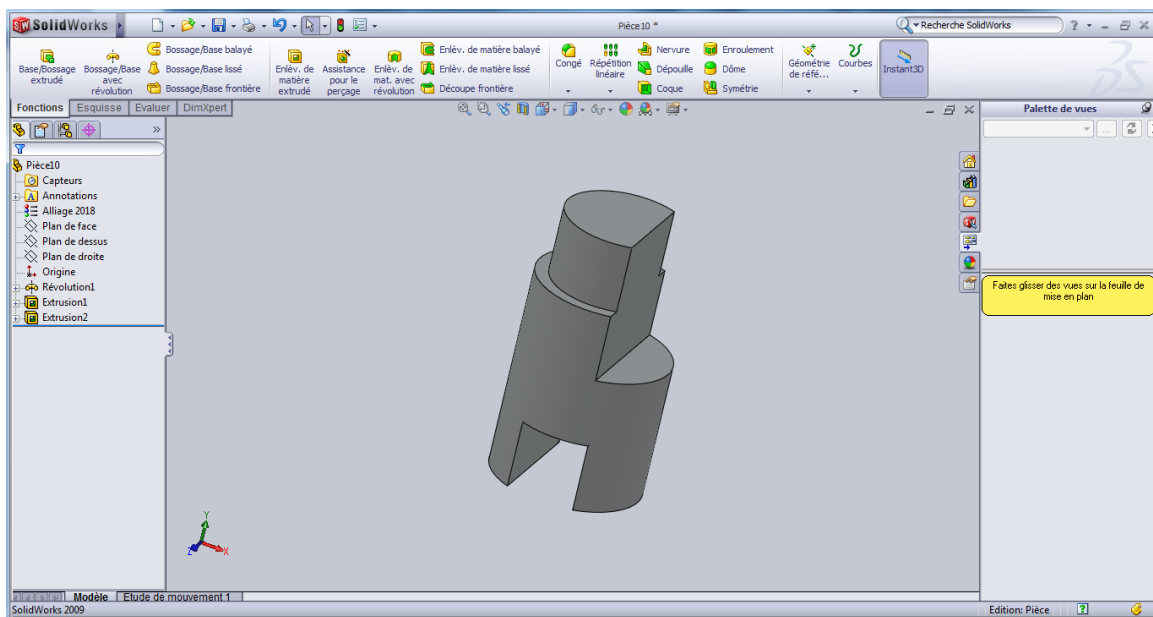
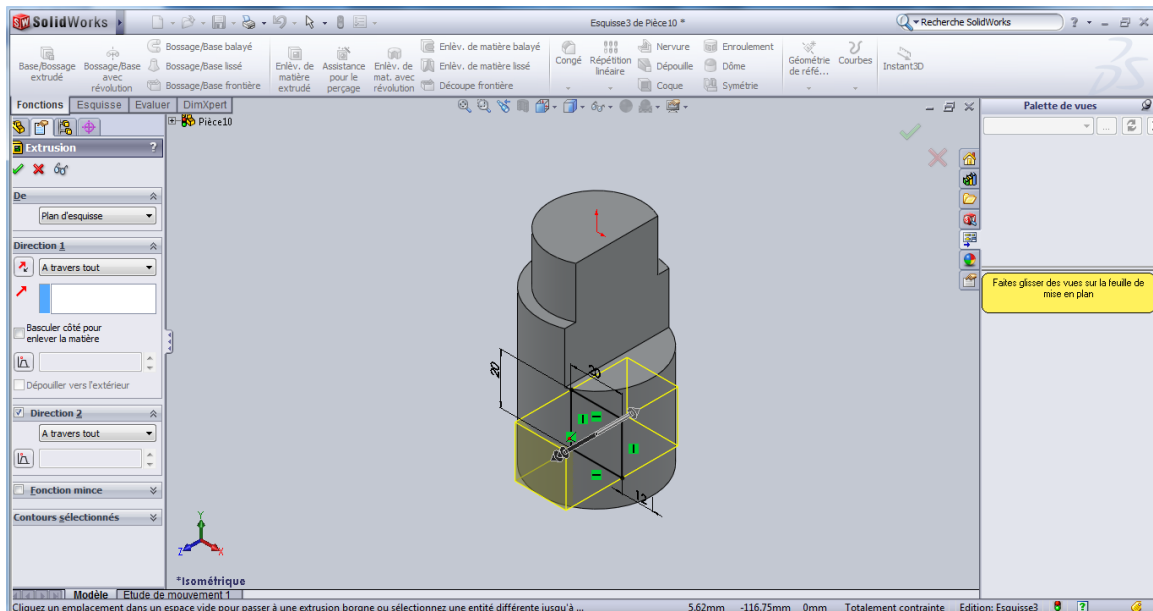
5- Créez une esquisse (rectangle) sur le plan de face, et enlever la matière (Fonctions --- Enlèvement de matière extrudé).



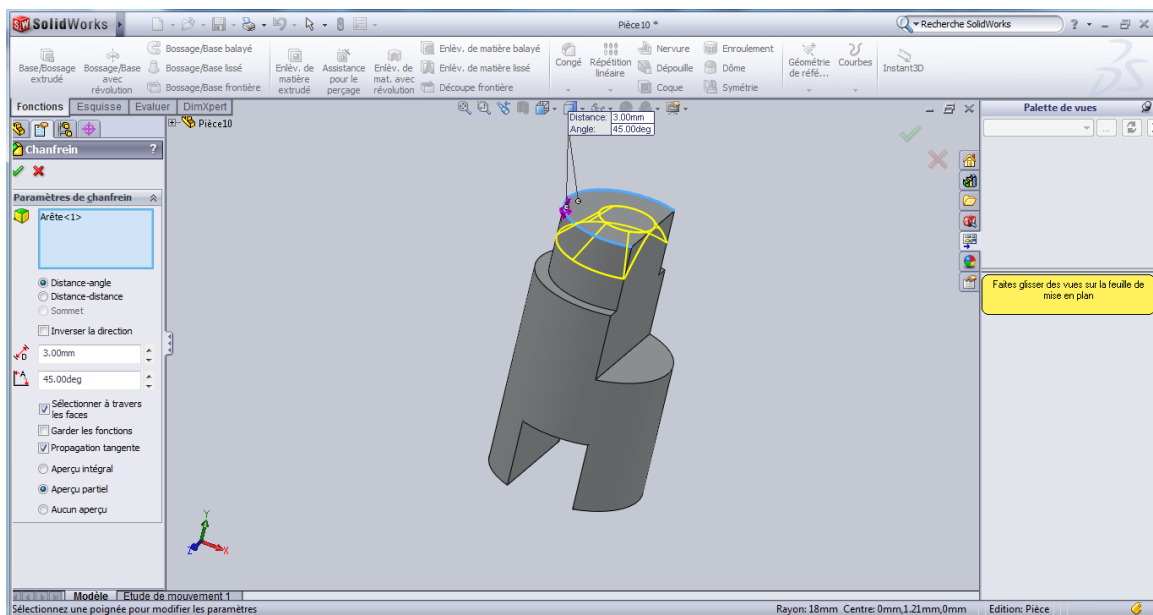


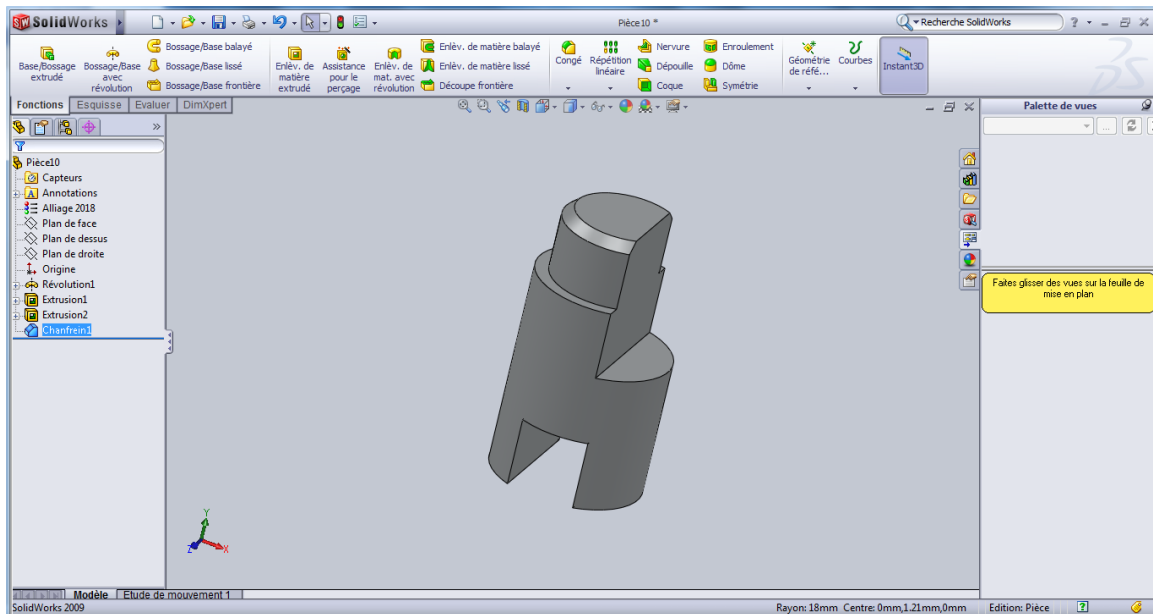
6- Créez une esquisse (rectangle) sur le plan de face, et enlever la matière (Fonctions --- Enlèvement de matière extrudé).



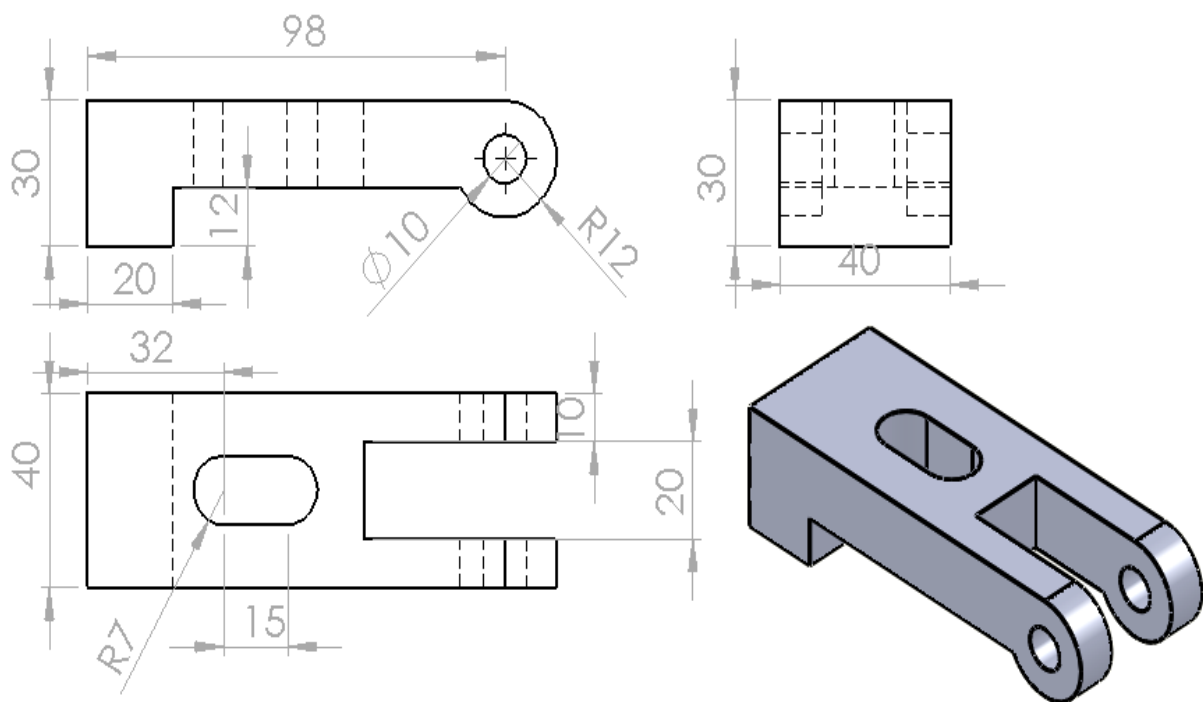


7- Chanfreinez les parties intérieure et extérieure (Fonctions --- Congé --- Chanfrein).





Pièce 04

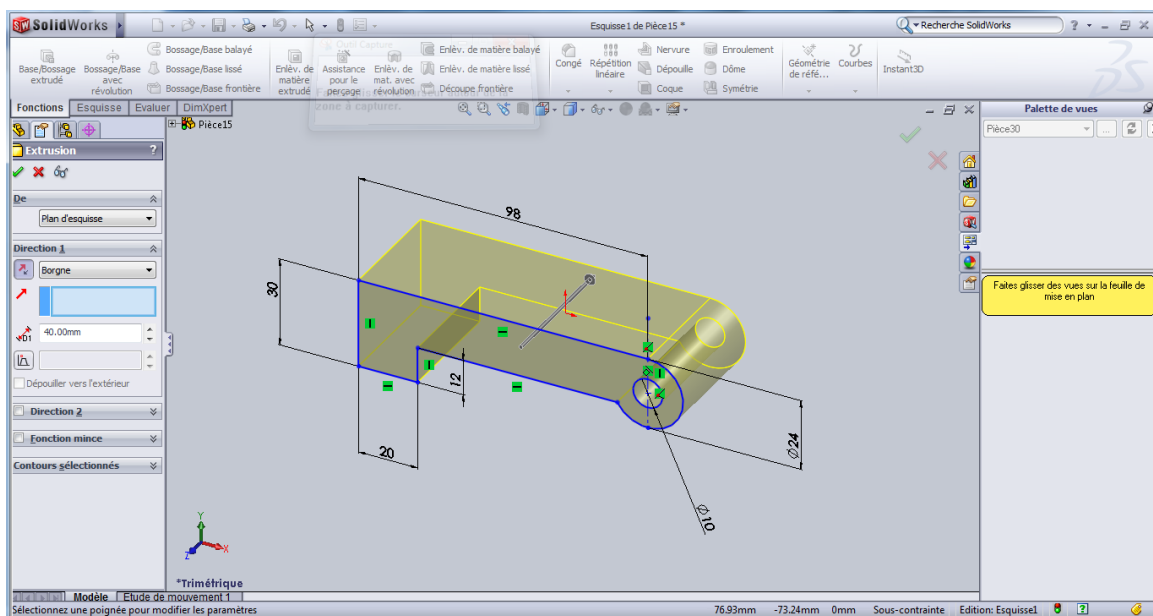
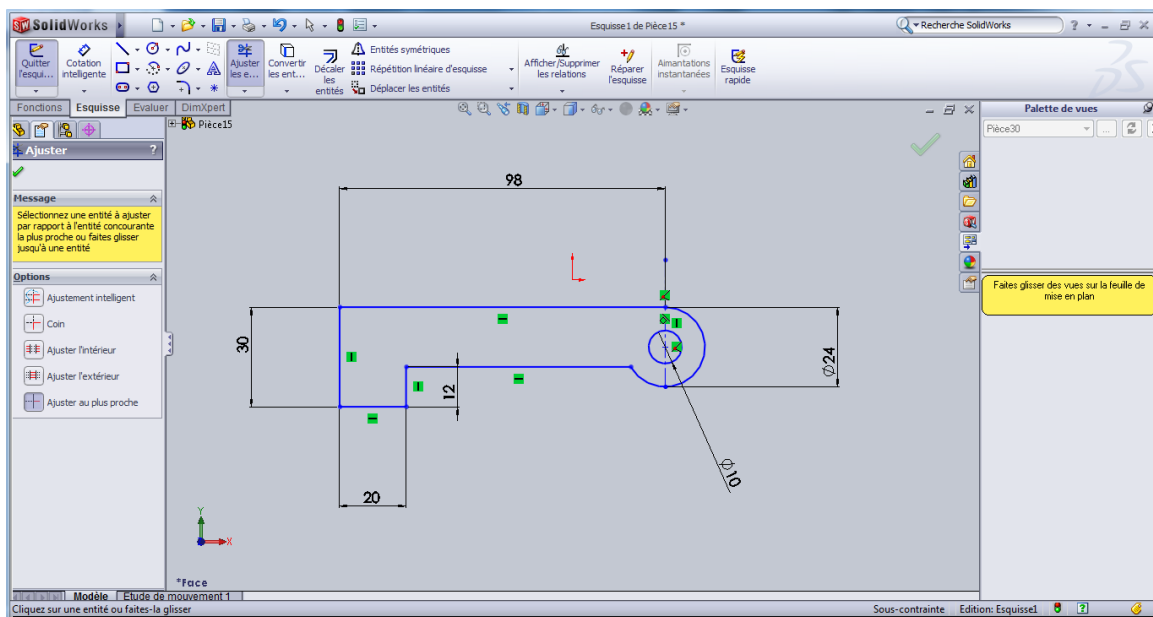
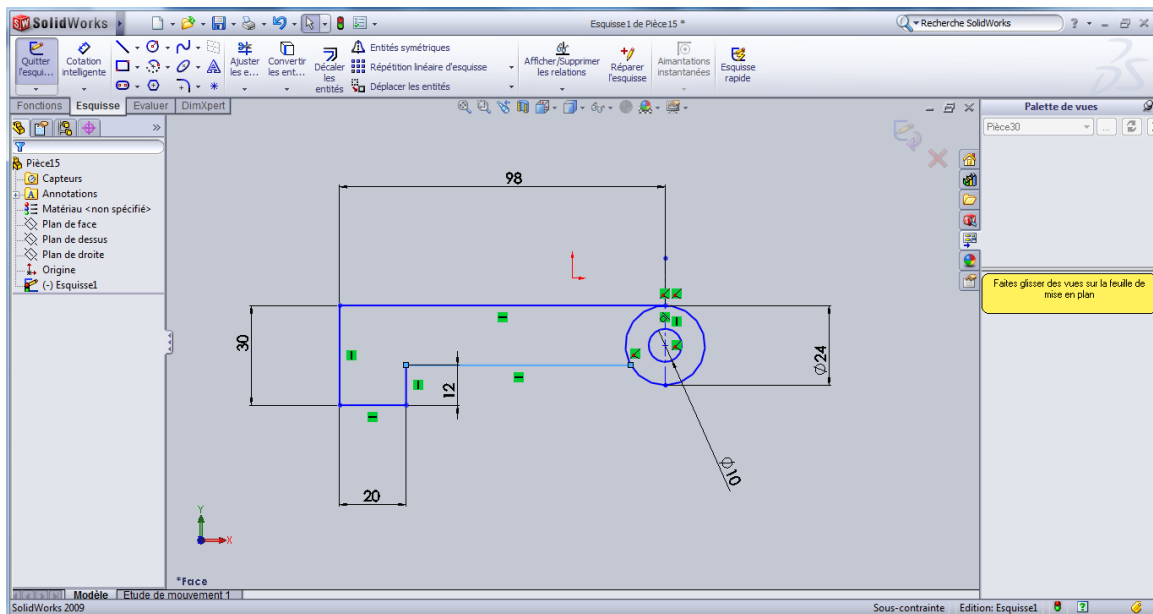


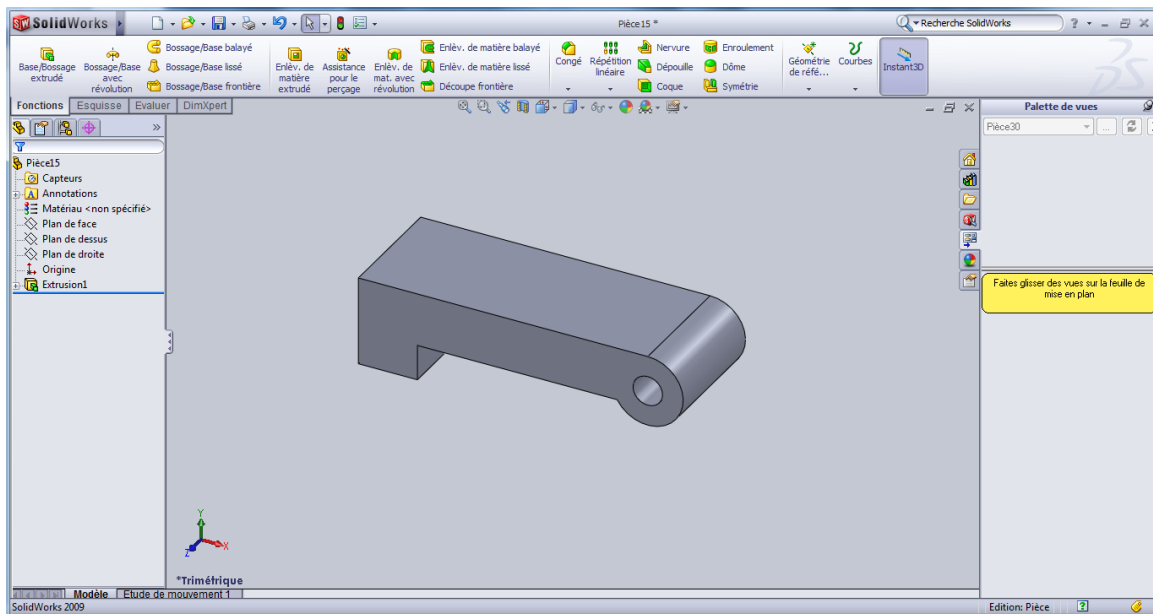
Suivez les étapes suivantes :

1- Ouvrir **SOLIDWORKS**

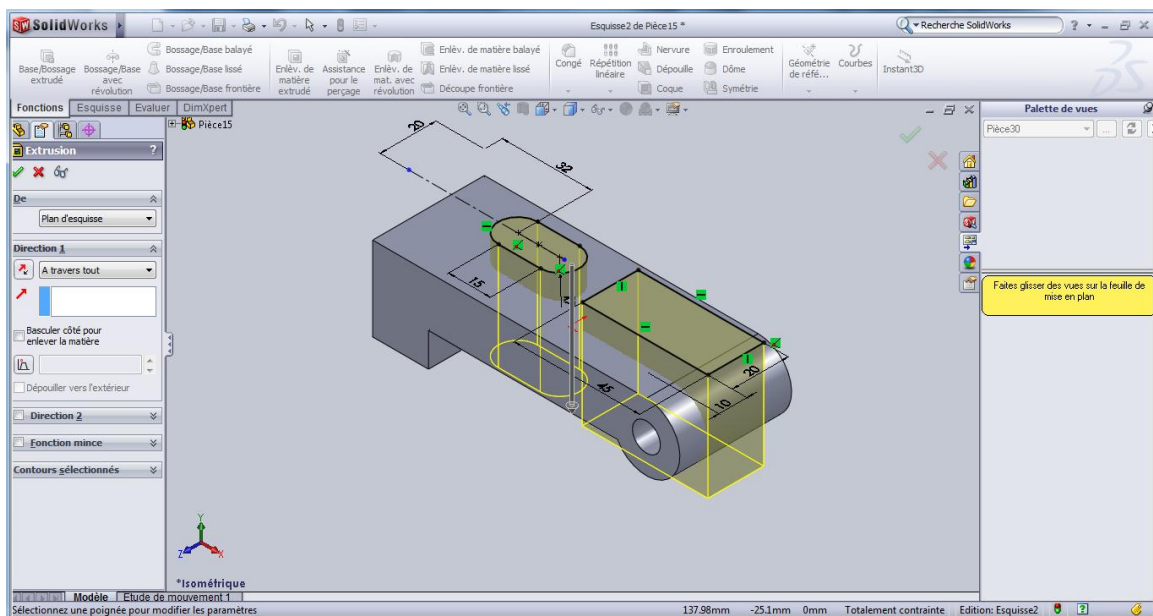
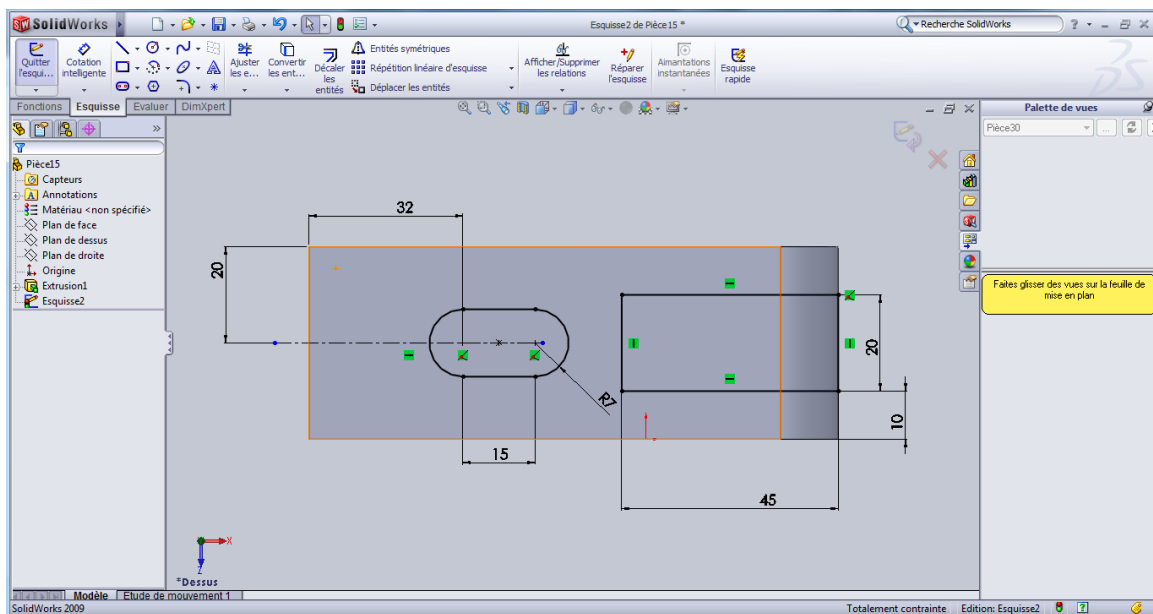
2- Cliquez : **Nouveau ----- Pièce**

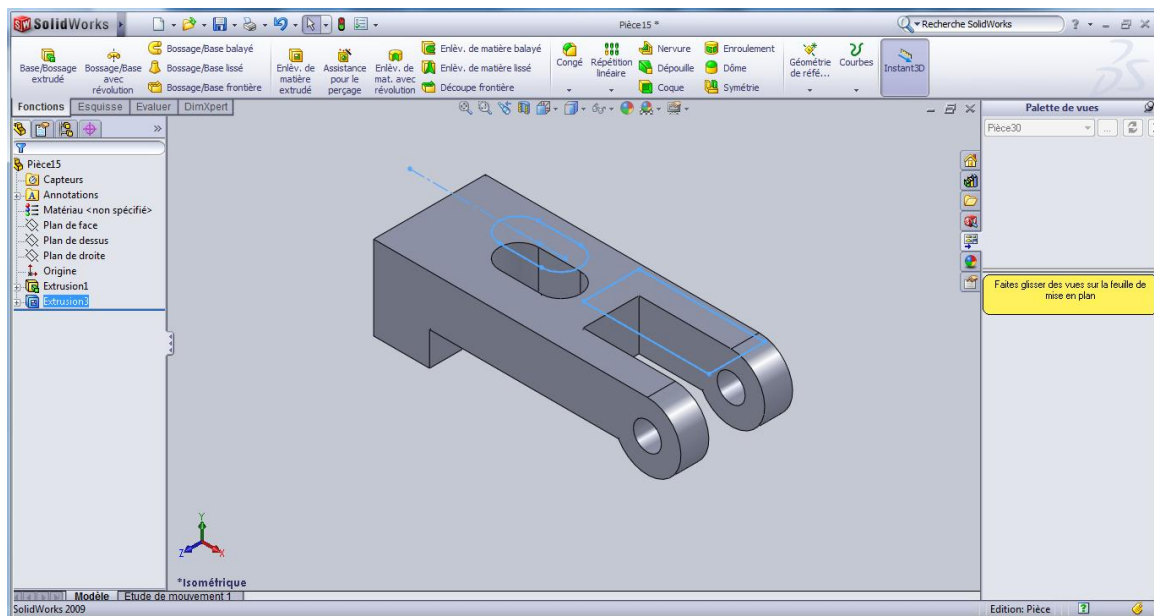
5- Créez une esquisse sur le plan de face en ajustant les entités, et extrudez la de 40 mm (Fonctions --- Base/Bossage extrudé).





5- Créez une esquisse sur le plan de dessus (rectangle et rainure droite), et enlever la matière.





Pièce 05

