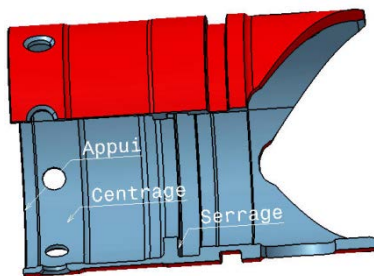


Montage M3



Pièce	Phase	Machine
Came supérieure	20	SOMAB 350

Mise en position :

Centrage intérieur et appui sur épaulement intérieur

Maintien en position :

Par rondelle placée à l'intérieur de la pièce (voir croquis)

Observations :

Utilisation d'un mandrin de reprise monté dans des mors doux.

Questions :

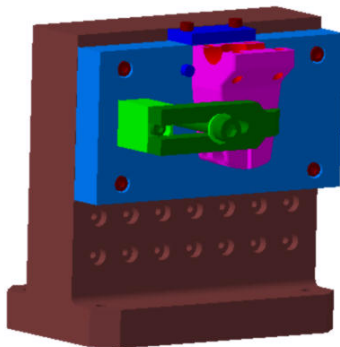
1.1- Repérer -en les coloriant- sur le dessin d'ensemble du montage (M2) :

- En bleu : les surfaces de contact entre le montage et la machine (entre le mandrin de reprise et les mors doux)
- En rouge : les surfaces de contact entre le montage et la pièce (entre le mandrin de reprise et la pièce)

1.2- Porter sur le dessin du montage (M3) la cotation d'aptitude à l'emploi du montage (sans quantifier les spécifications).

1.3- Le diamètre intérieur de la pièce (au niveau du centrage avec le mandrin est $\varnothing 60H9$ ($\varnothing 60^{+0,12}_0$). Le jeu entre la pièce et le centreur est évalué à $J = 0^{+0,12}_{+0,02}$. Après avoir réalisé un croquis et tracé une chaîne de cotes, calculer le diamètre du mandrin qui permet de respecter ce jeu.

Montage M2



Pièce	Phase	Machine
Corps Potence	20	B640 Fagor

Mise en position :

Sur équerre Norelem

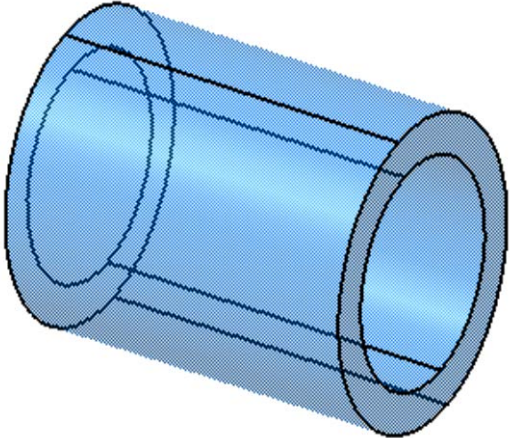
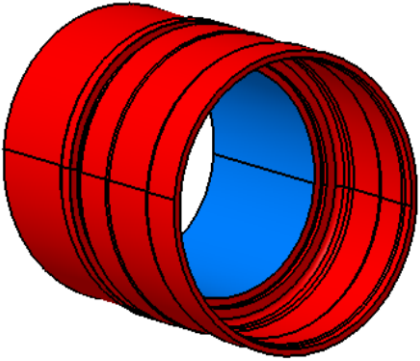
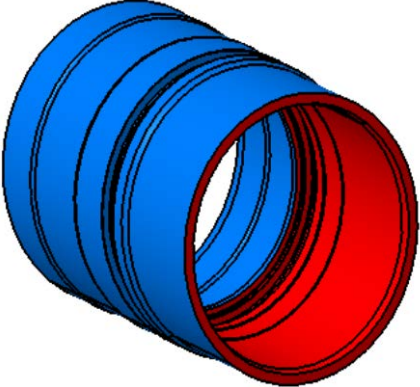
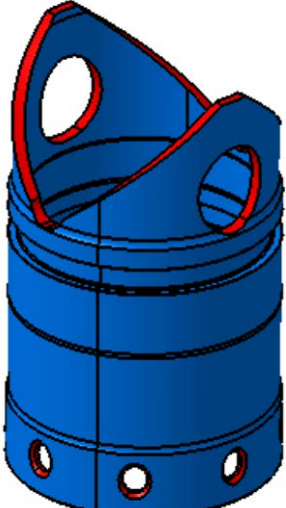
Questions :

2.1- Repérer -en les coloriant- sur le dessin d'ensemble du montage (M2) :

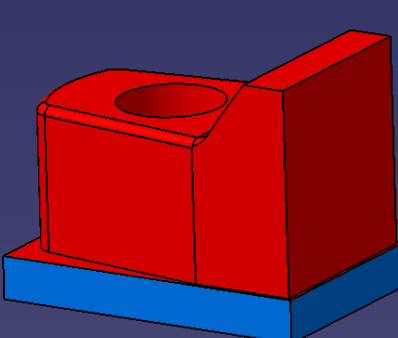
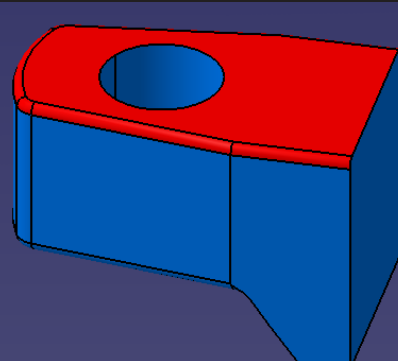
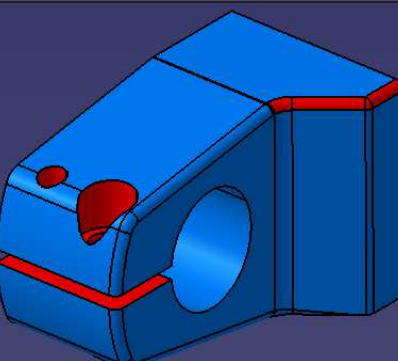
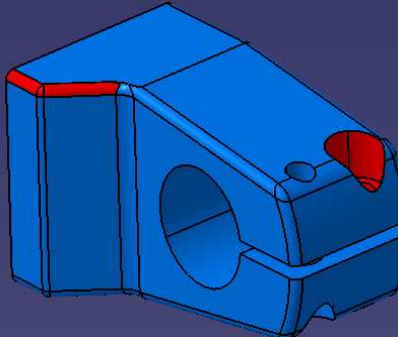
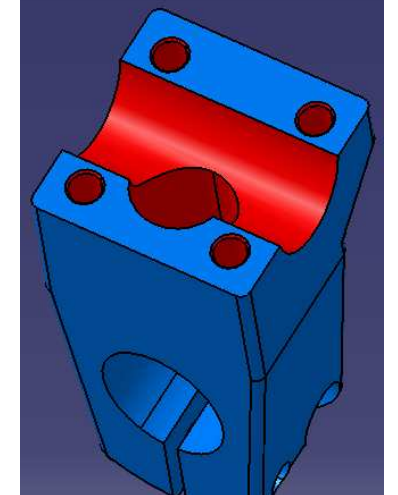
- En bleu : les surfaces de contact entre le montage et la machine (on considère que l'équerre fait partie du montage)
- En rouge : les surfaces de contact entre le montage et la pièce

2.2- Porter sur le dessin du montage (M3) la cotation d'aptitude à l'emploi du montage (sans quantifier les spécifications).

Avant projet d'étude de fabrication proposé de la : **CAME SUPERIEURE**

<p>Phase 00</p> <ul style="list-style-type: none">• Débit	
<p>Phase 10</p> <ul style="list-style-type: none">• Tournage CN	
<p>Phase 20</p> <ul style="list-style-type: none">• Tournage CN axe C	
<p>Phase 30</p> <ul style="list-style-type: none">• Fraisage CU 4 axes	

CORPS DE POTENCE BIKE : APEF

<p>PH10 A</p> <p>FRAISAGE CUV</p> <p>Contournage du profil / Perçage / alésage / rayonnage</p> <p>Montage en étau</p>		 A 3D CAD model of a mechanical part, PH10 A. The part is primarily blue with a red section on top. It has a rectangular base with a circular hole on the top surface. The red section is a raised, slightly curved plate on top of the blue base.	
<p>PH10 B</p> <p>FRAISAGE CUV</p> <p>Retrait du talon / rayonnage</p> <p>Montage en étau</p>		 A 3D CAD model of a mechanical part, PH10 B. The part is primarily blue with a red section on top. It has a rectangular base with a circular hole on the top surface. The red section is a raised, slightly curved plate on top of the blue base, similar to PH10 A but with a different profile.	
<p>PH20 A</p> <p>FRAISAGE CUV</p> <p>Perçage / Lamage / usinage fente / rayonnage</p> <p>Montage en équerre : posage 1</p>		 A 3D CAD model of a mechanical part, PH20 A. The part is primarily blue with a red section on top. It has a rectangular base with a circular hole on the top surface. The red section is a raised, slightly curved plate on top of the blue base, similar to PH10 A and PH10 B but with a different profile.	
<p>PH20 B</p> <p>FRAISAGE CUV</p> <p>Perçage / Lamage / rayonnage</p> <p>Montage en équerre : posage 2</p>		 A 3D CAD model of a mechanical part, PH20 B. The part is primarily blue with a red section on top. It has a rectangular base with a circular hole on the top surface. The red section is a raised, slightly curved plate on top of the blue base, similar to PH10 A, PH10 B, and PH20 A but with a different profile.	
<p>PH30 A</p> <p>FRAISAGE CUV</p> <p>Perçage / Perçage, alésage / balayage demi cylindre</p> <p>Montage en équerre : posage 3</p>		 A 3D CAD model of a mechanical part, PH30 A. The part is primarily blue with a red section on top. It has a rectangular base with a circular hole on the top surface. The red section is a raised, slightly curved plate on top of the blue base, similar to PH10 A, PH10 B, PH20 A, and PH20 B but with a different profile.	

H G F E D C B A

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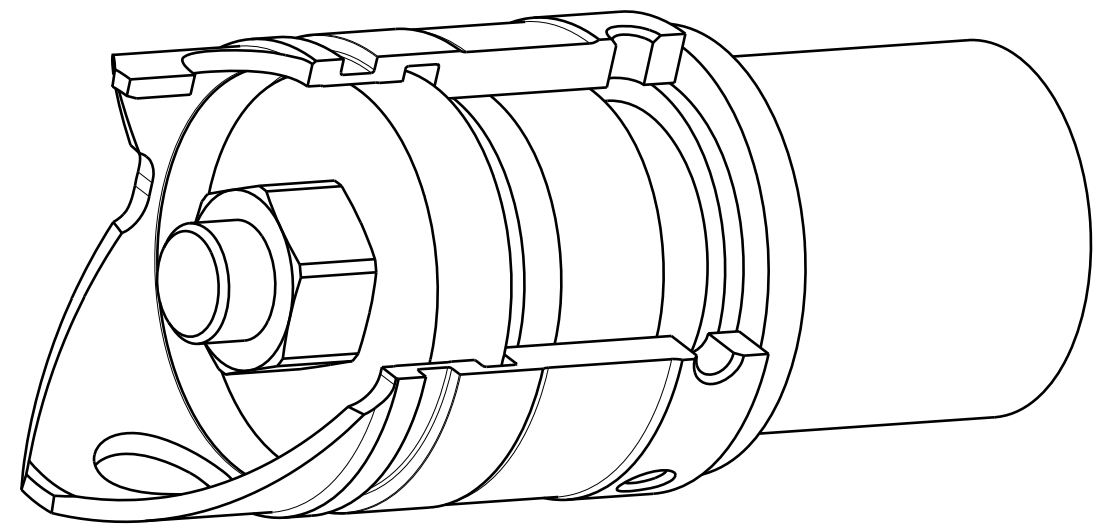
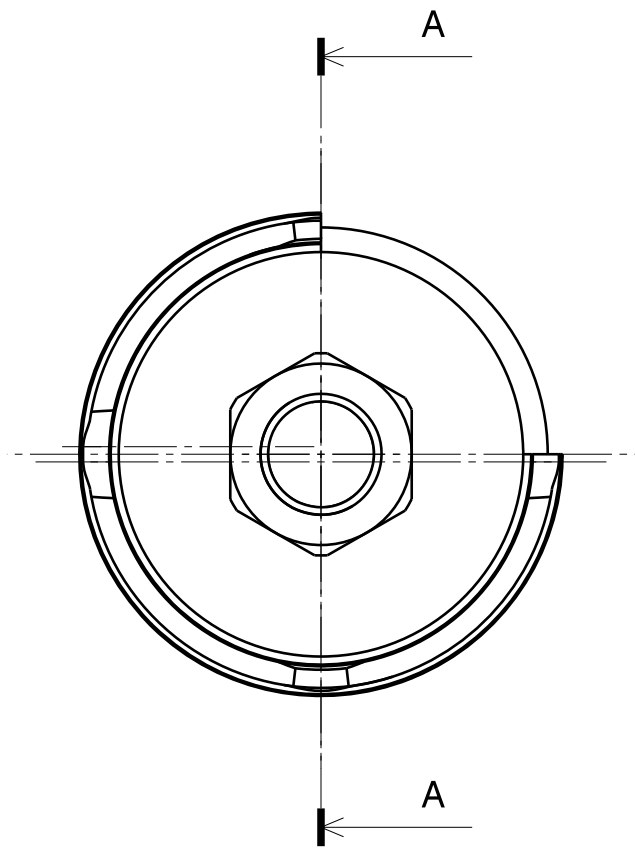
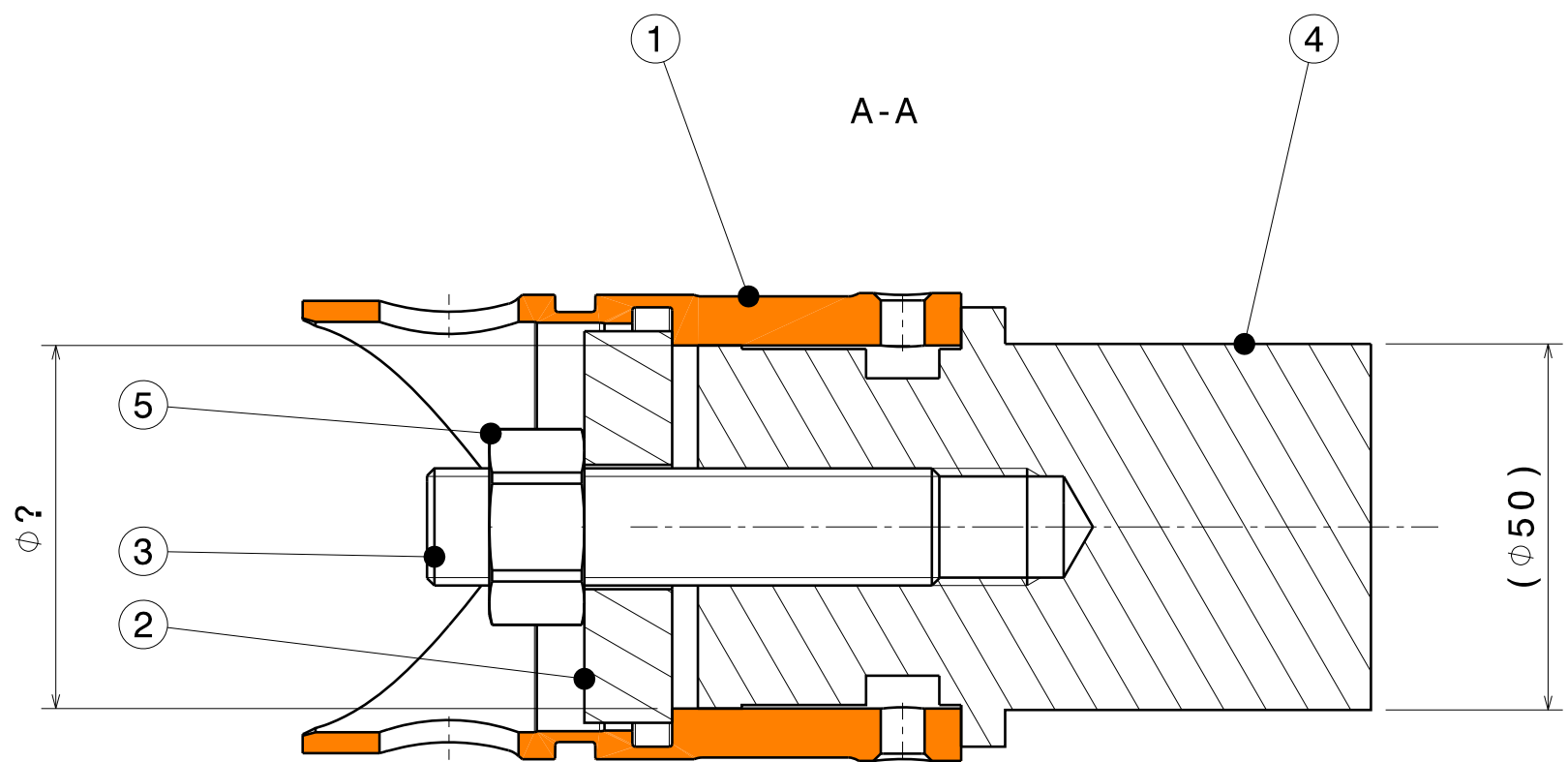
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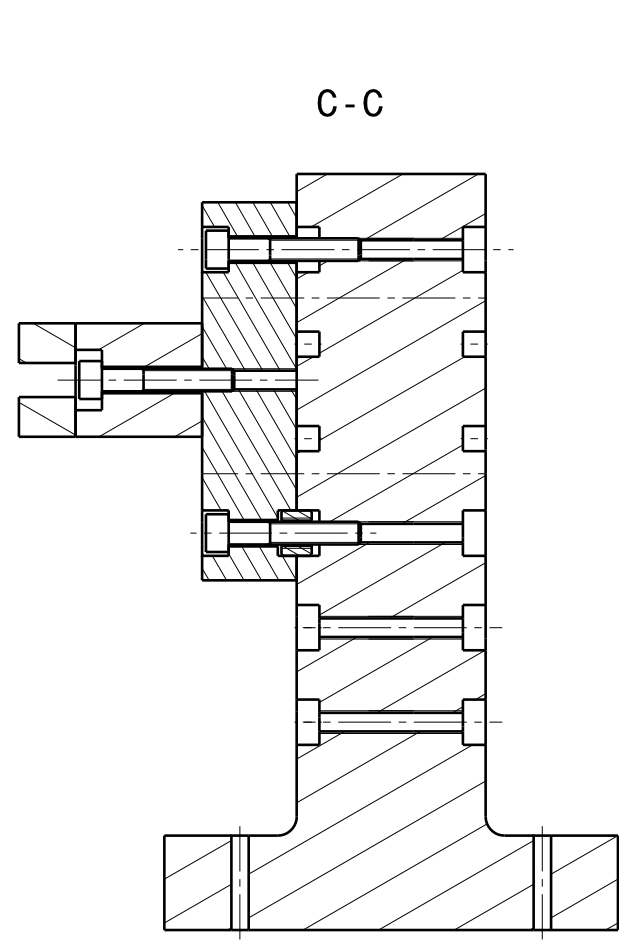
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1	1	Came supérieure	
2	1	Rondelle	2008-M3-02
3	1	Tige filetée M16	2008-M3-03
4	1	Mandrin	2008-M3-04
5	1	07210-116	

DESIGNED BY: TISS/NAJAI	Montage Came Supérieure PH 20		I	-	
DATE: 25/09/2008			H	-	
CHECKED BY: jgb	Lycée Jean Moulin - Béziers		G	-	
DATE: 01/10/2008			F	-	
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SCALE: 1:1				WEIGHT (kg): XXX	SHEET: 1/1
This drawing is our property; it can't be reproduced or communicated without our written agreement.				C	-
				B	-
				A	-

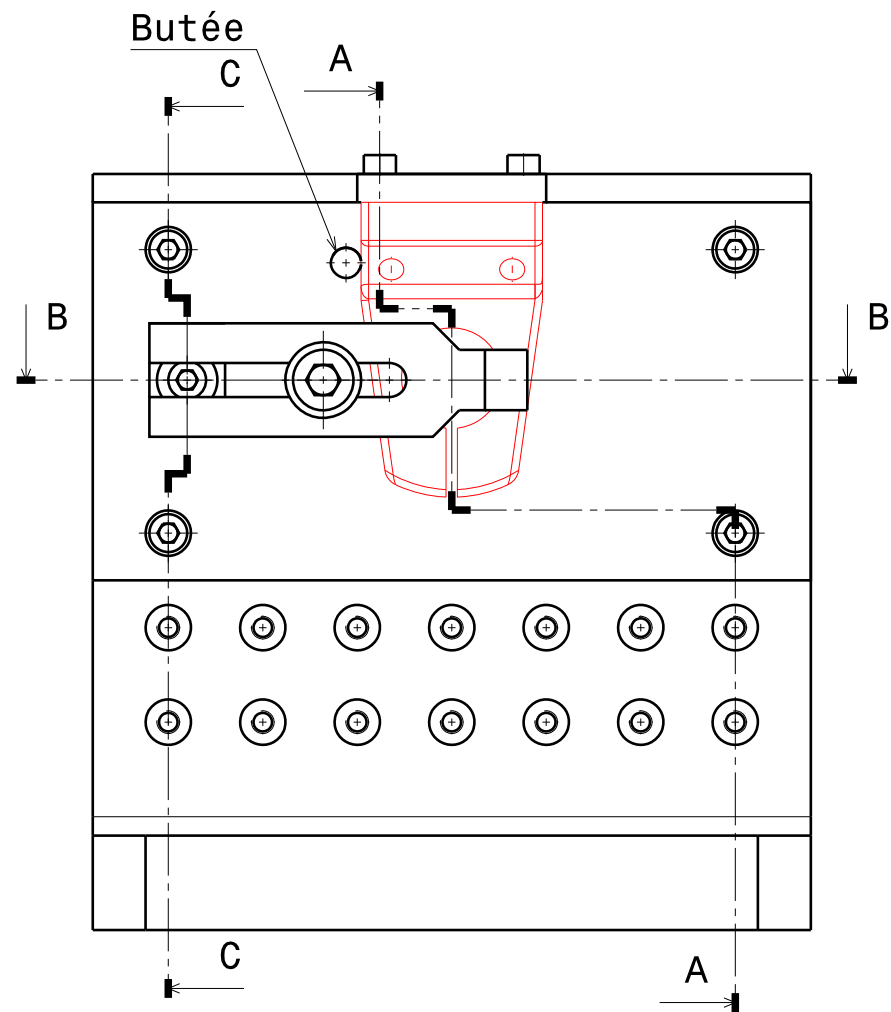
H G B A

H G F E D C B A

4



C-C



Butée

B

B

C

A

Equerre

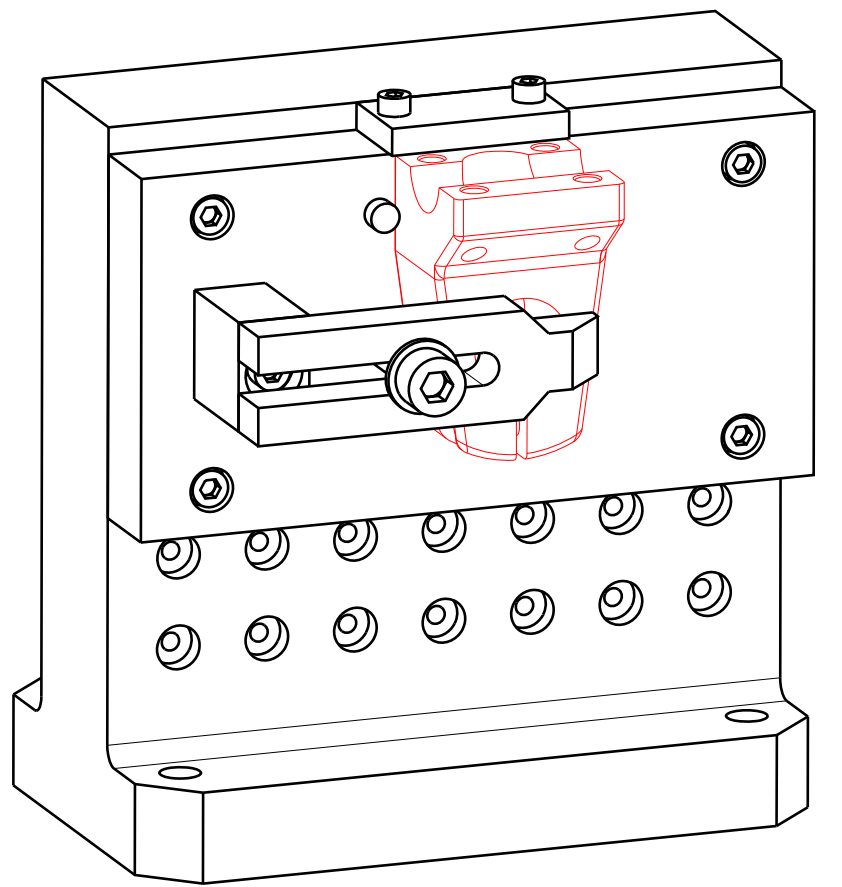
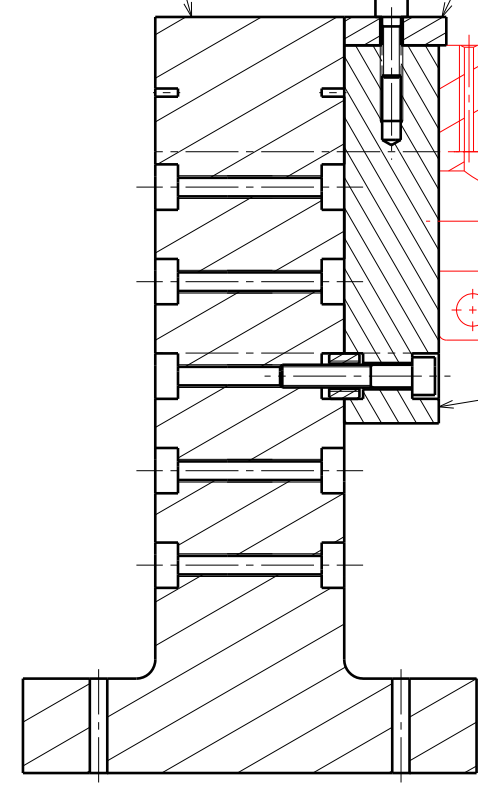
A-A

Réglette avant

Pièce

Bride

Plaque support



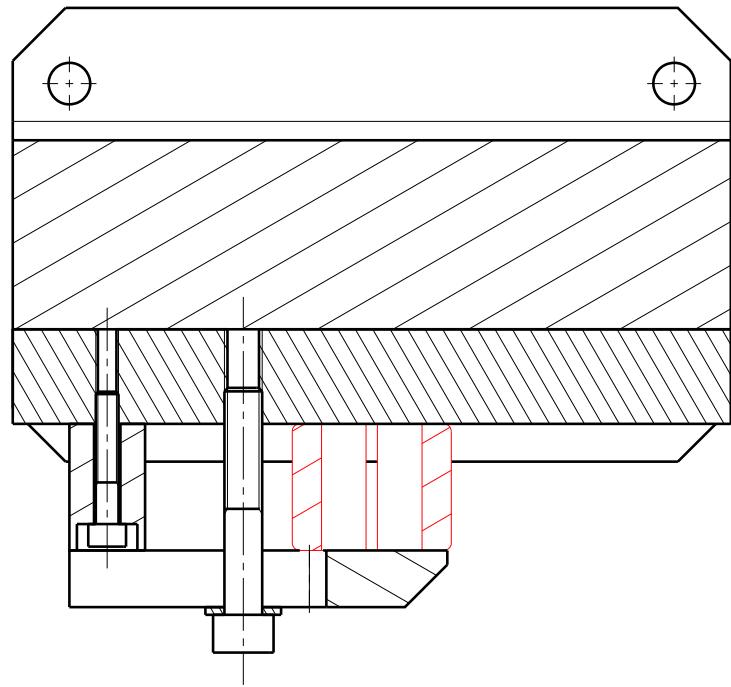
4

3

3

2

B-B



2

1

DESIGNED BY: gs	<h1>Montage corps Potence BMX Ph 30</h1>		I	-
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CHECKED BY: jgb	<h2>Lycée Jean Moulin - Béziers</h2>		G	-
DATE: 09/10/2008			F	-
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			C	-
			B	-
			A	-

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H G B A