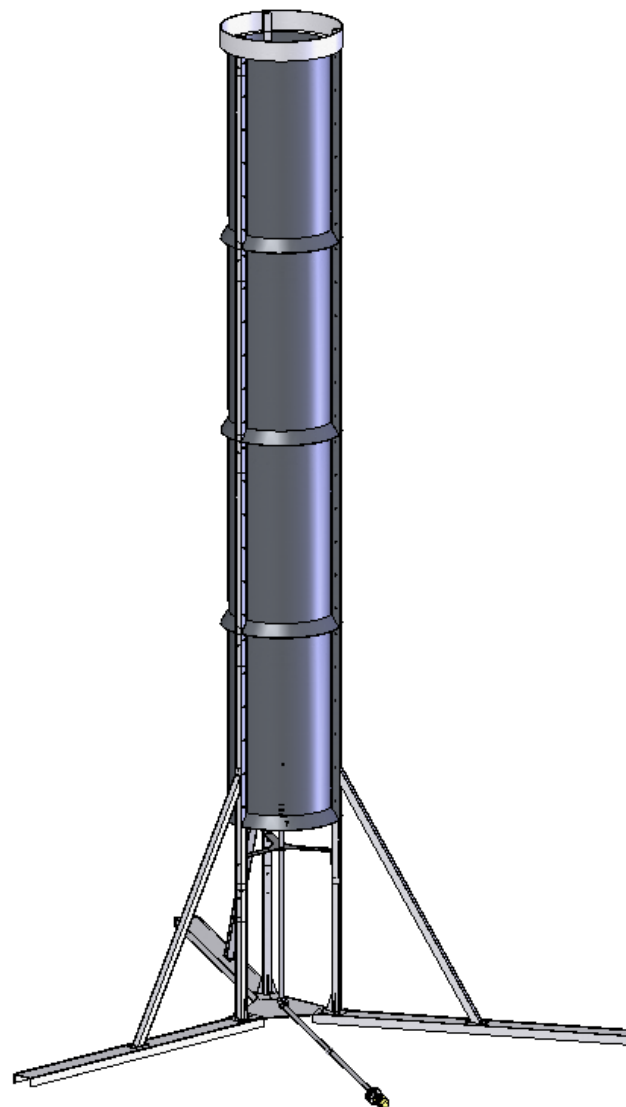


EQUIP-FLUIDES

NOTICE DE MONTAGE POUR TORCHERE TILO9



TILO9 FLARES - USER'S MANUAL

This user's manual refers to the TILO9 torches equipped with flame arrestor type EQF0625.

This manual does not cover all the safety measures that should be cry out for installation, use, and maintenance of equipments for LPG.

Warning: Please inspect the torch regularly and replace any defective part. PLEASE NEVER USE THE TORCH UP IN CONFIGURATION FOR VAPOR BURNING IF YOU WANT TO BURN LIQUID LPG.

Generalities :

TILO9 flares are designed to burn vapor and liquid phases of LPG bulk tanks.

TILO9 flares up in configuration for vapor burning are complying with the recommendation N° MAGV/RP02 issued by the French comity for Butane and propane (CFBP)

These flares could be equipped with an optional liquid firing head allowing complete burning of liquid LPG (part N° TILO7TL).

The flare up in configuration for vapor burning is equipped with :

- 1x flame arrestor with 2 security levels (part N°TILO7AF2): It prevents flashbacks to the tank.
- 1x flare with vapor firing head and complete flame hider.
- 1x ignition and permanent standby torch coupled to a standard 13kg cylinder with a flexible hose: Allows remote ignition of the flare.
- 1x anti-blowing system mounted on the firing head: Prevents blowing of the flame.
- 1x stainless steel flexible hose (overall lenght 20m): For permanent standby torch feeding.

Technical characteristics : working pressure= 3.5 bars (Flame arrestor)

Working temp.= -20/+60°C

Security :

PLEASE RESPECT ALL THE RULES AND SECURITY INFORMATIONS IN EFFECT DURING A BURNING OPERATION.

SYSTEMATICALLY ISOLATE THE REST OF THE INSTALLATION BEFORE ANY INTERVENTION.

WARNING: NEVER WORK ON THE FLARE DURING BURNING OPERATION.

PLEASE WAIT FOR COMPLETE COOLING OF THE FLARE BEFAORE ANY INTERVENTION.

NON REPECT OF THIS ADVERTISEMENT MAY CAUSE INJURY.

Routine maintenance :

- If the flare shall not be used for a long time. Please close the holes of the flame arrestor.

- Check the state of cleanliness of the vapor firing head. (Any dirties could obstruct the mesh of the anti-blowing system. If needed, please use an explosion proof brush to clean the mesh.

- The safety devices should be tested once a year.

- Only the manufacturer is able to do this tests.

- Any repair should be done only by the manufacturer.

- Please follow user's manual instructions of the flame arrestor.

When the user or his representative, decide on his own responsibility to proceed to the repair or to the modification, this may cause cancellation of the warranty and any liability of Equip'Fluides is excluded.

Assembly:

The TILO9 flare is supplied in kit ready to be mounted.

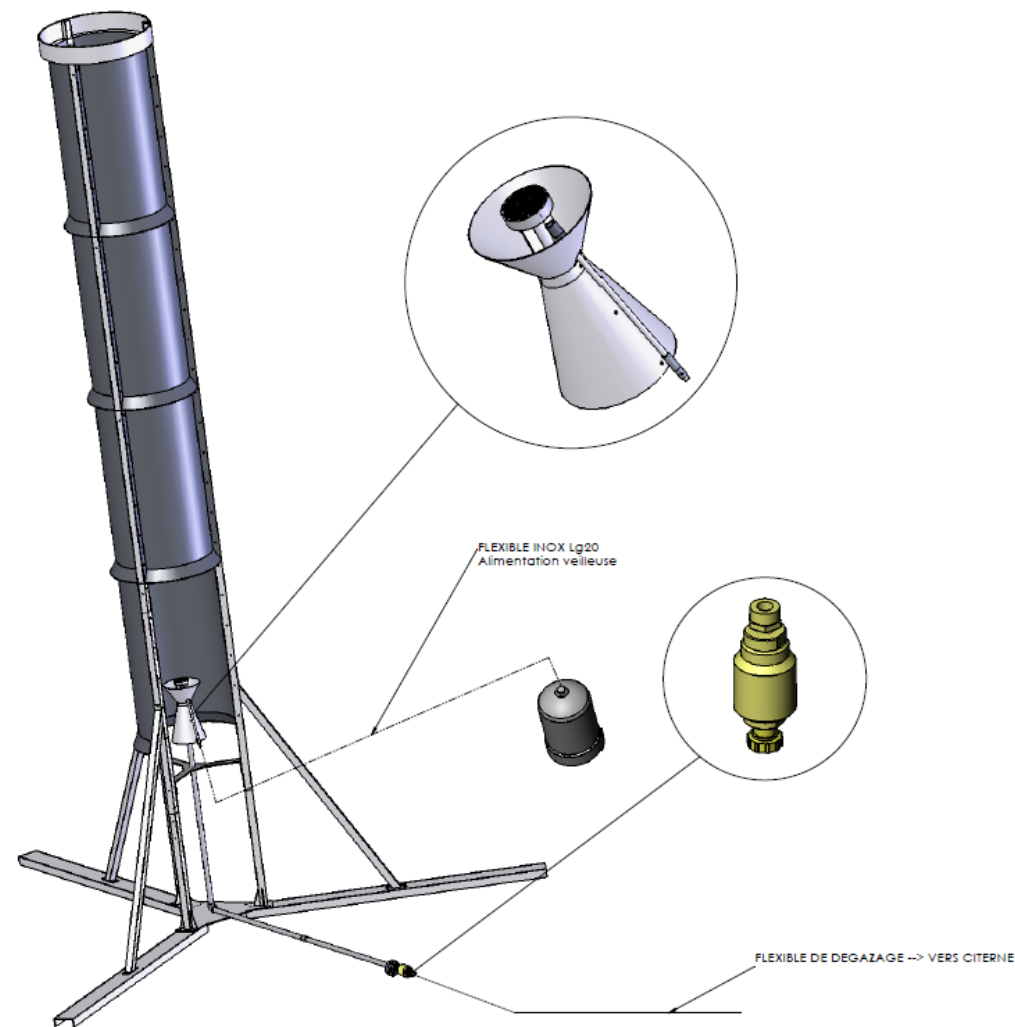
Please follow instructions on the assembly note.

RECOMMENDATION : Parts of the TILO9 flare are supplied without any treatment.

We recommend to the user to paint all the parts non submitted to the heat.

Installation :

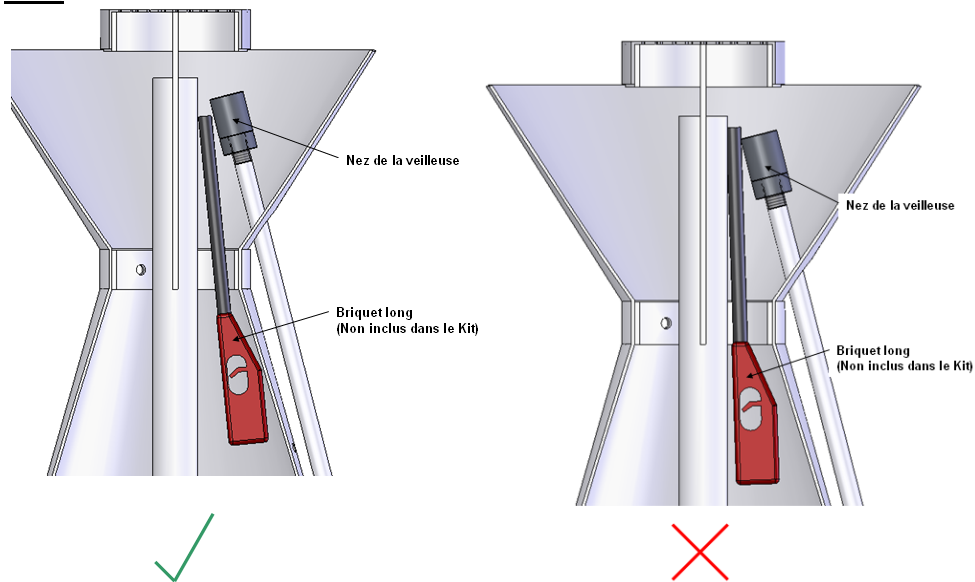
- Position the flare on a stable place at reasonable distance from any flammable product.
- We recommend to fix the flare on the ground (Use cables and/or screw the base on the ground).
- **Respect the rules and security informations in effect.**
- Mount the 2 horizontal extension tubes.
- Mount the flame arrestor on the male ACME coupling at the end of the extension.
- **RESPECT THE DIRECTION OF THE FLOW WRITTEN ON THE FLAME ARRESTOR (See flame arrestor user's manual)**
- **DO NOT USE THE FLAMME-ARRESTOR TO BURN LIQUID LPG (voir page suivante).**
- Mount liquid firing head.
- Connect the feeding flexible hose of the permanent standby torch to a standard 13 kg cylinder (20x150 threaded coupling).
- Connect the other end of the flexible hose to the permanent standby torch. (Quick coupling)
- Connect the main feeding flexible hose to the male acme coupling of the flame-arrestor.



Commissioning :

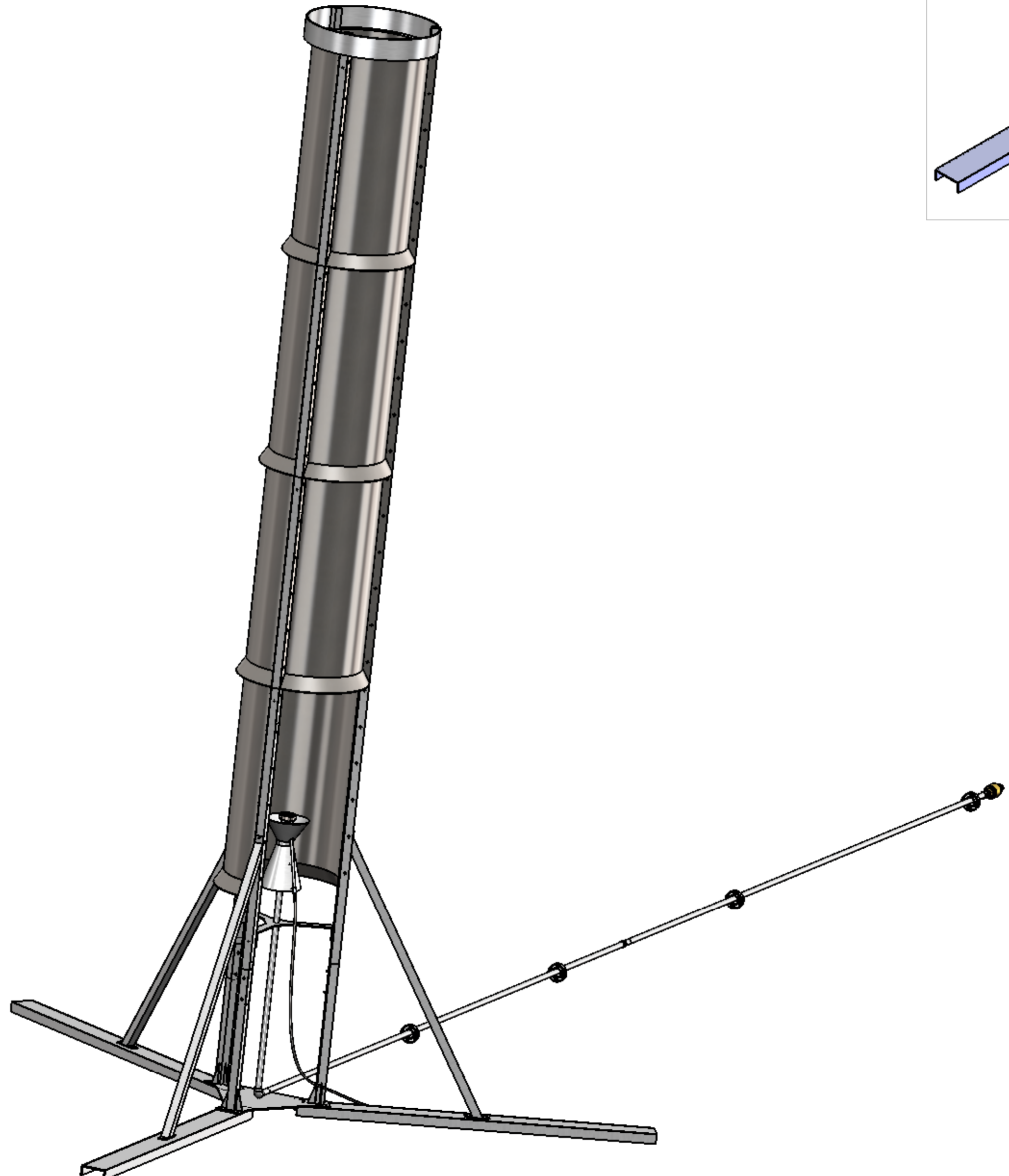
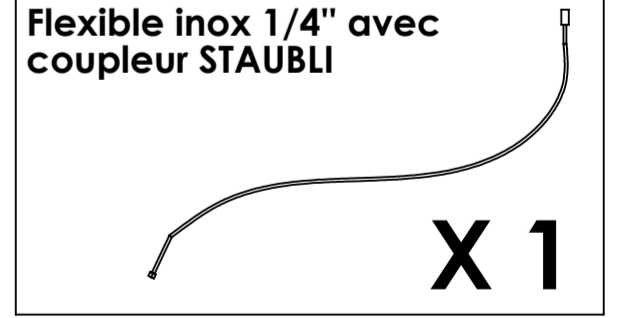
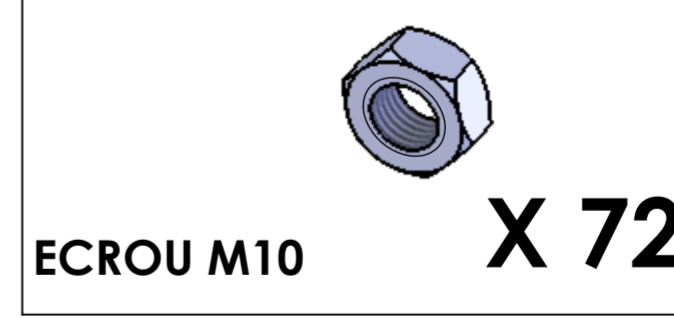
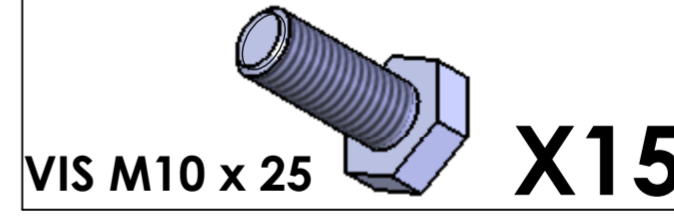
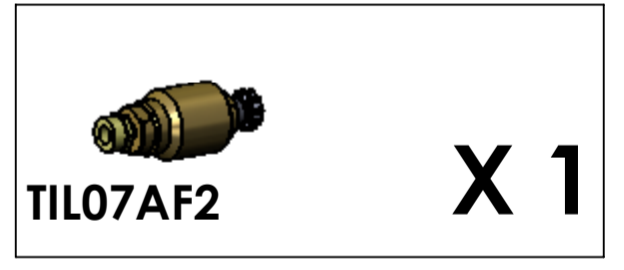
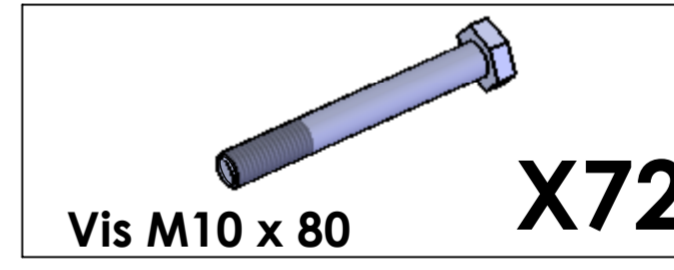
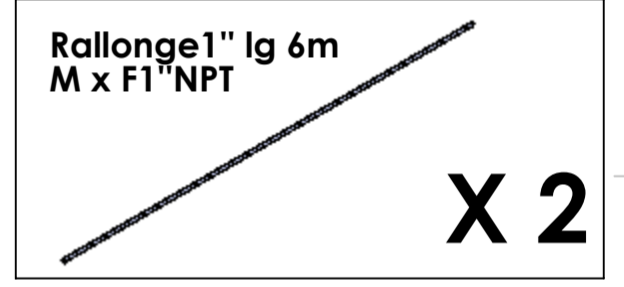
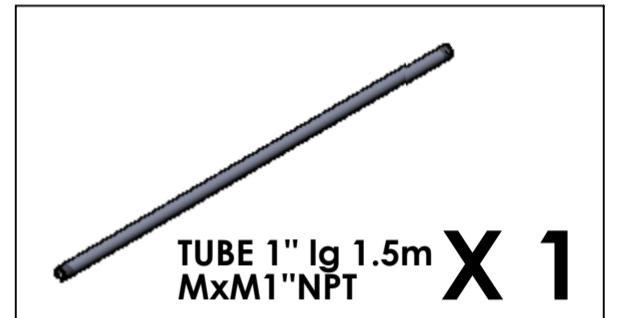
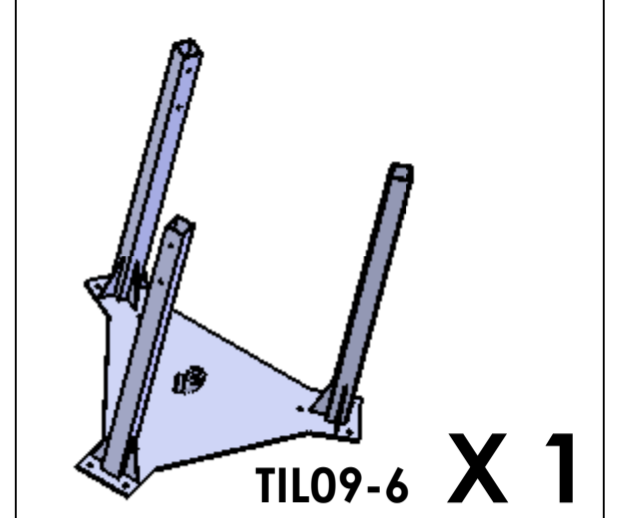
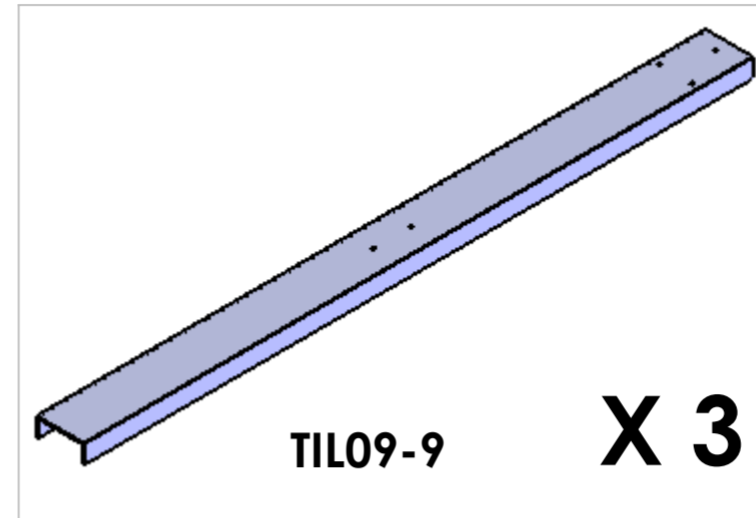
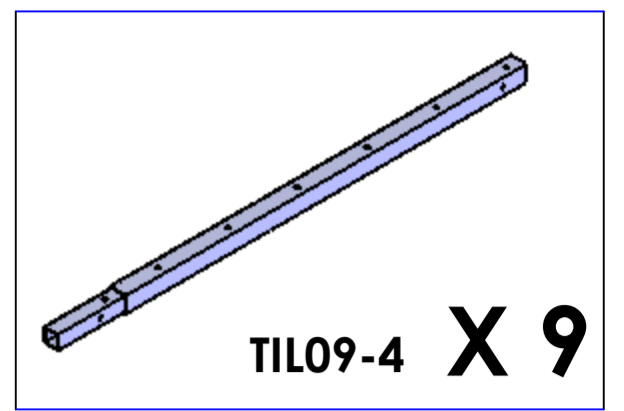
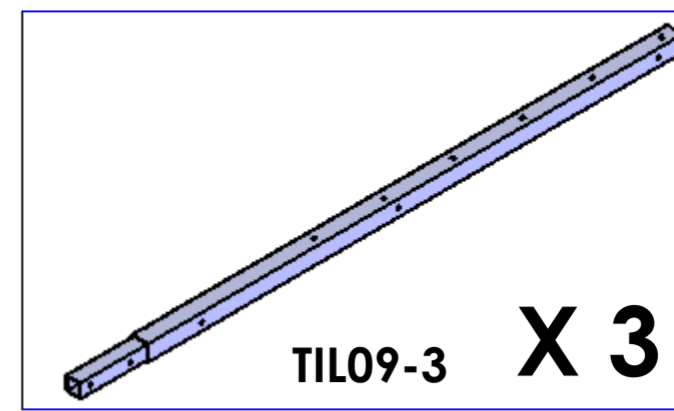
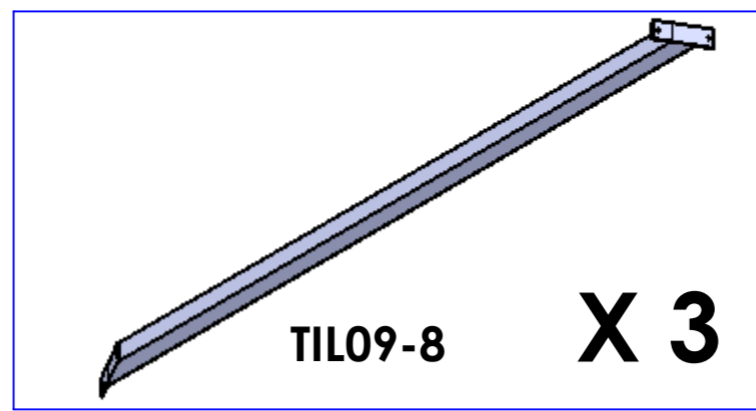
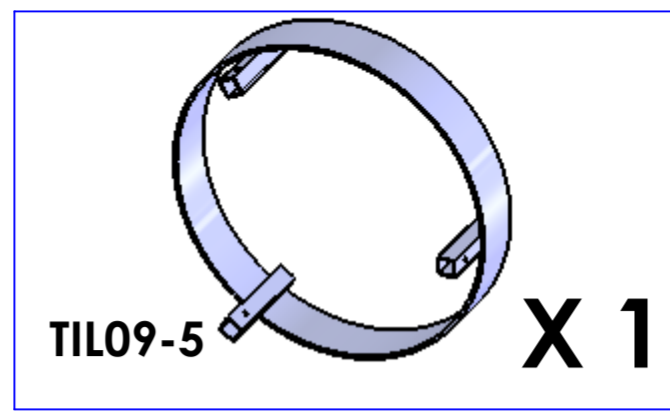
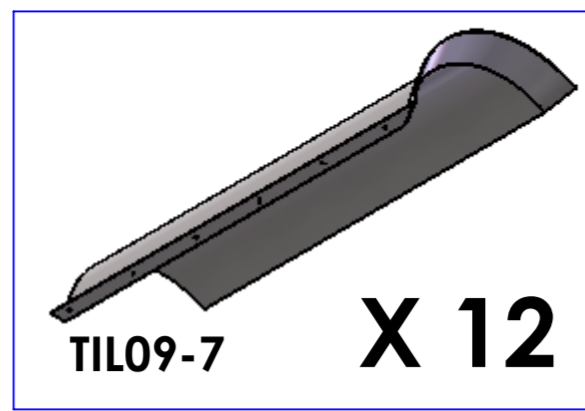
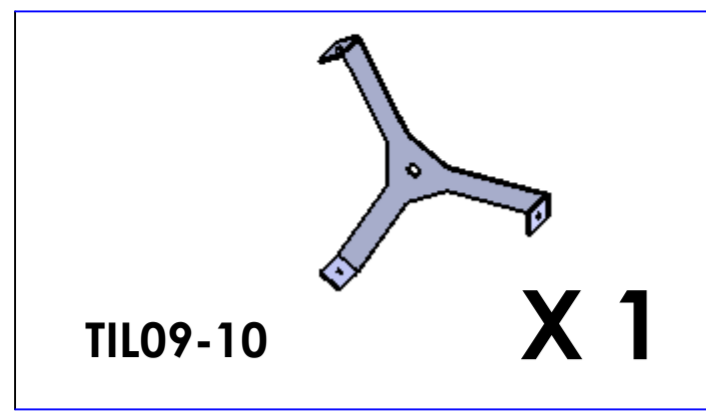
Open feeding valve on the permanent standby torch.

Position the flame of the long lighter at the bottom of the outlet of the vapor firing head.

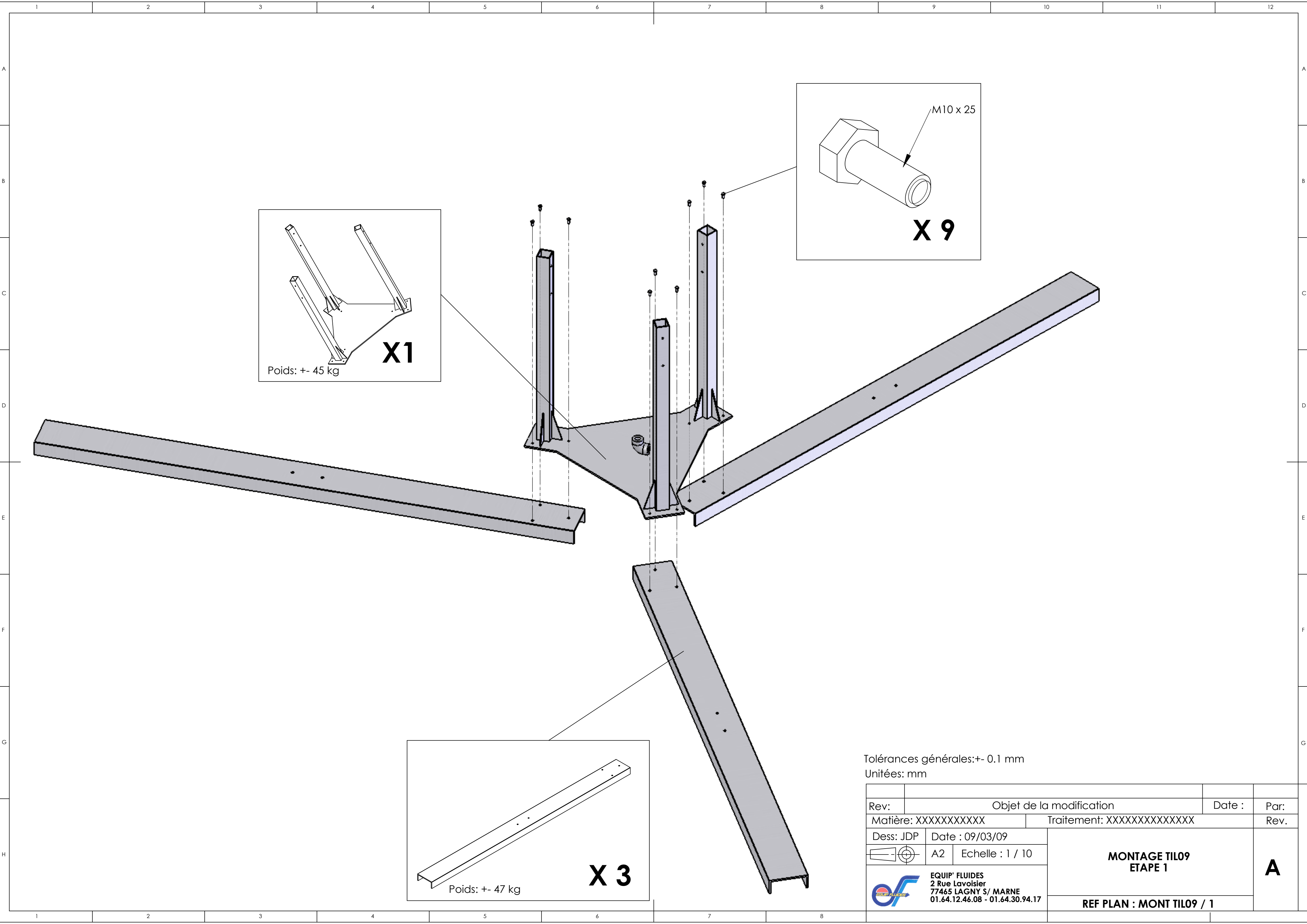


- To start burning, open the feeding valve of the flare (usually mounted on the main flexible hose, not supplied with the flare)

- Start the burning at a lower flowrate for 5 to 10 minutes, in order not to constrain the structure by a too rapid rise in temperature.



Rev:	Objet de la modification	Date :	Par:
Matière: XXXXXXXXXXXX	Traitement: XXXXXXXXXXXXXXXX		Rev.
Dess: JDP	Date : 09/03/09	MONTAGE TIL09 CONTENU DU KIT	
	A2 Echelle : 1 / 10		
		A	
EQUIP FLUIDES 2 Rue Lavoisier 77465 LAGNY S/ MARNE 01.64.12.46.08 - 01.64.30.94.17		REF PLAN : MONT TIL09 / KIT	



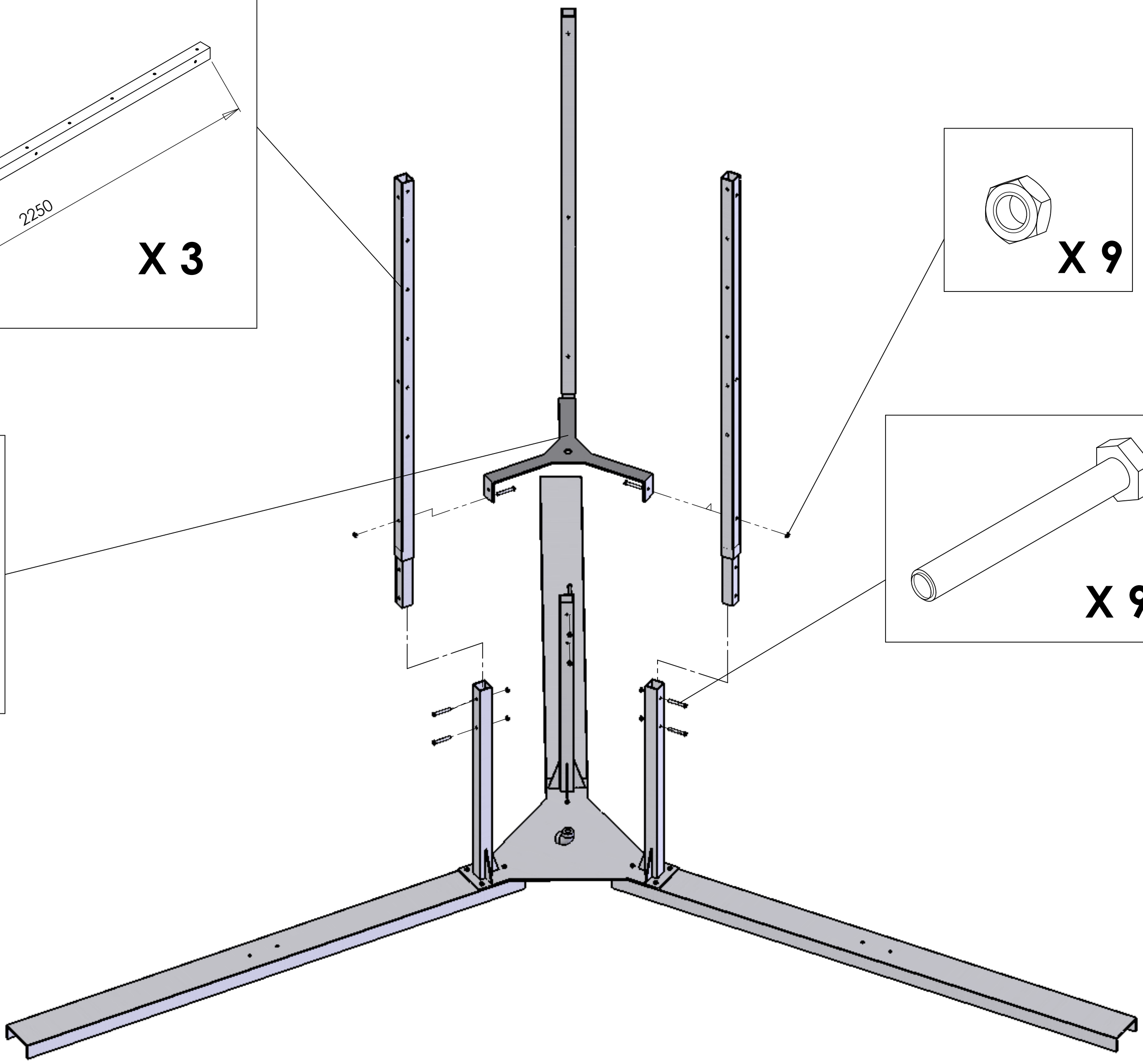
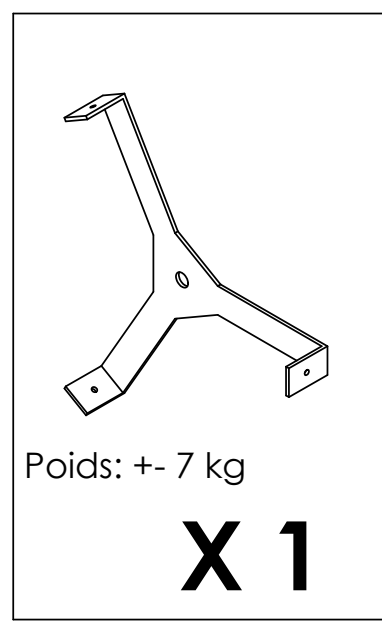
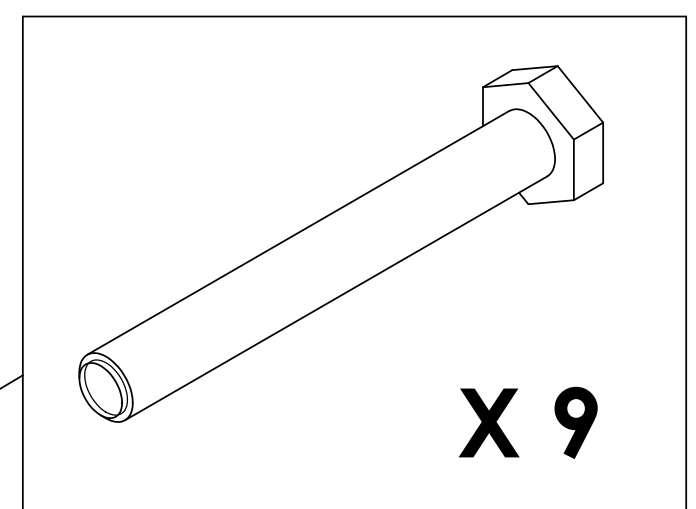
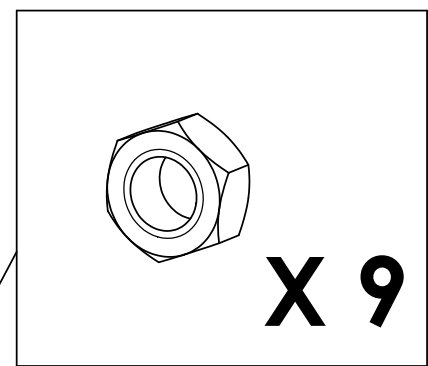
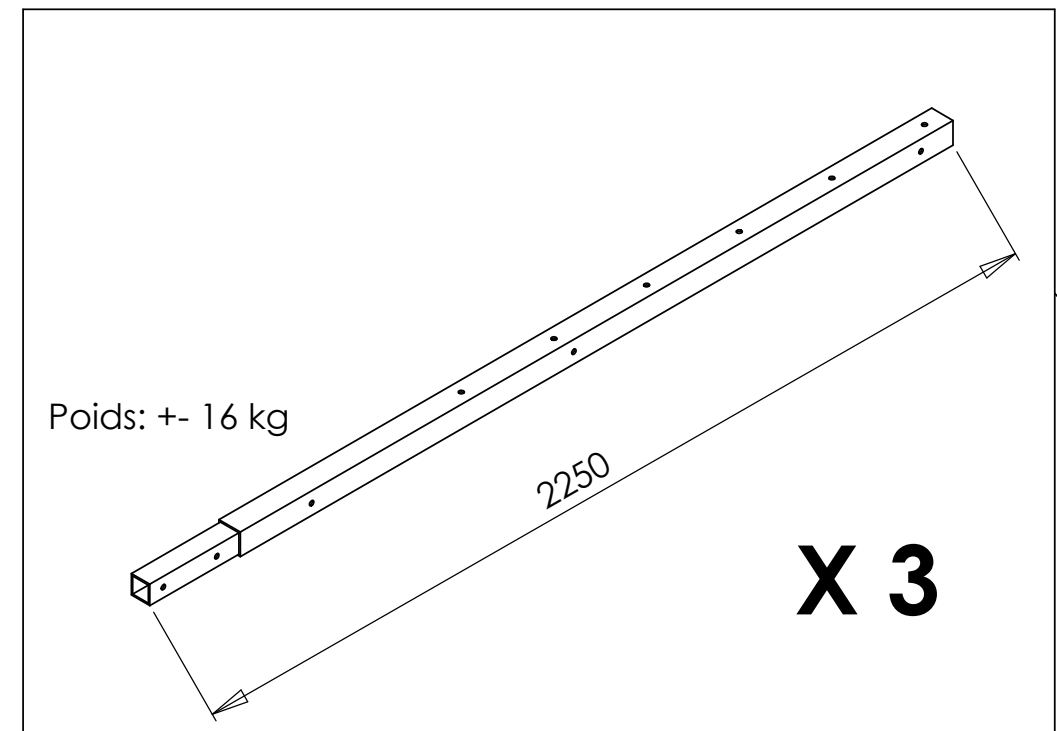
X1
Poids: +/- 45 kg

M10 x 25
X 9

X 3
Poids: +/- 47 kg

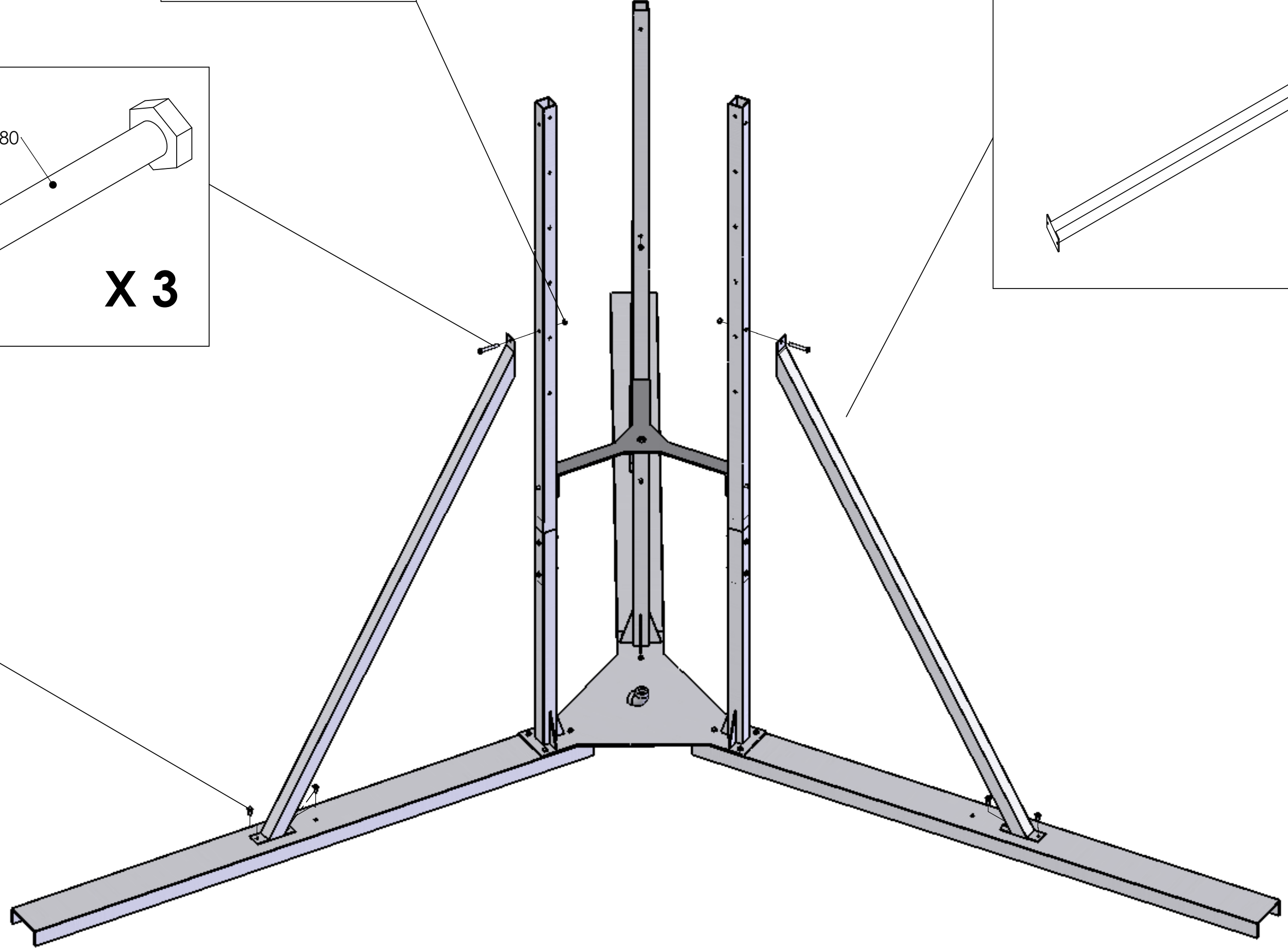
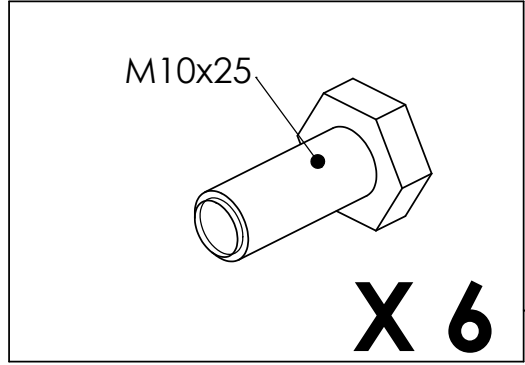
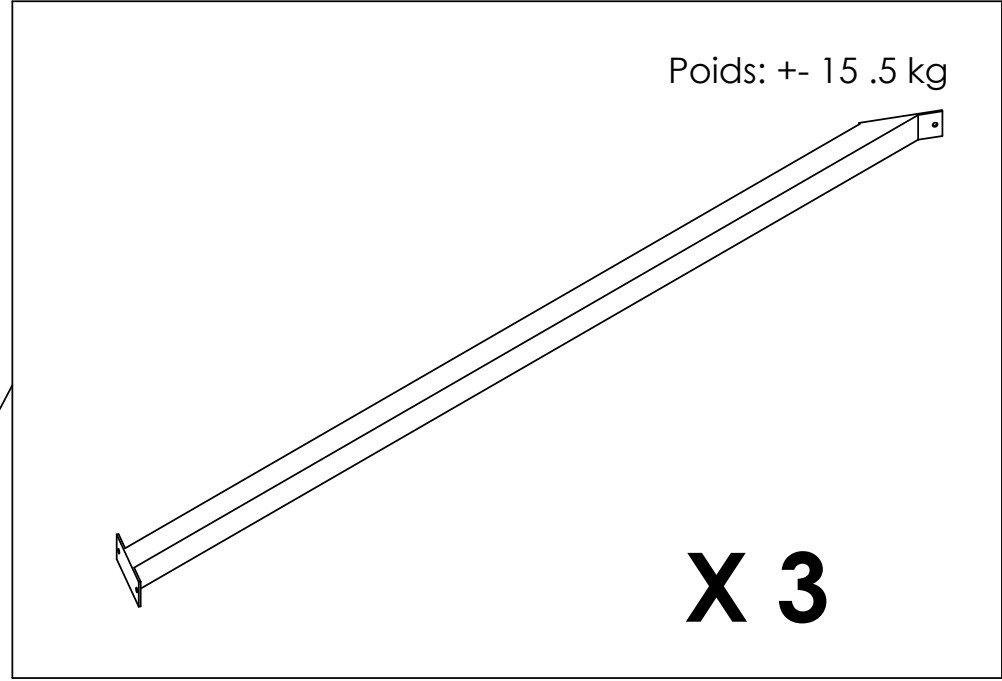
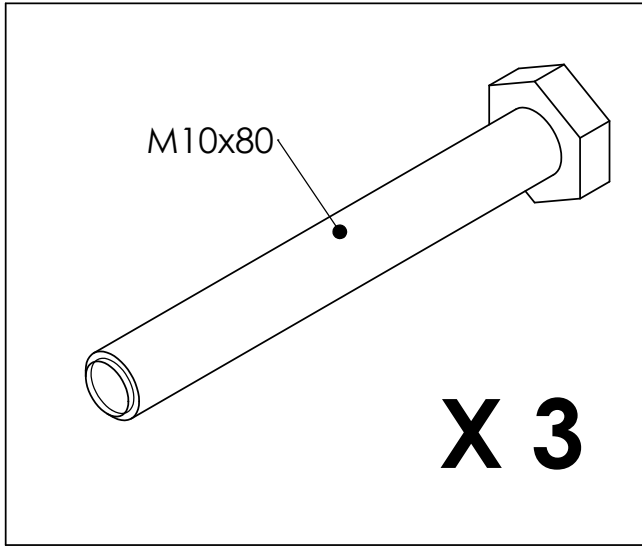
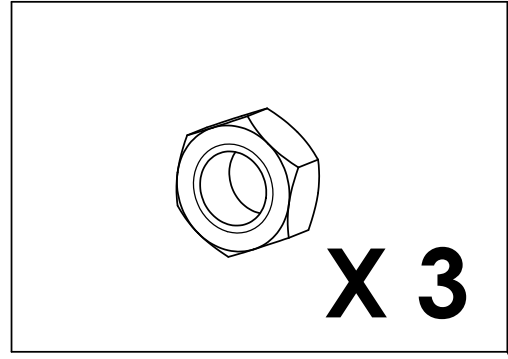
Tolérances générales: +/- 0.1 mm
Unités: mm

Rev:	Objet de la modification		Date :	Par:
Matière: XXXXXXXXXXXX	Traitement: XXXXXXXXXXXXXXXX		Rev.	
Dess: JDP	Date : 09/03/09	MONTAGE TIL09 ETAPE 1		
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		EQUIP FLUIDES 2 Rue Lavoisier 77465 LAGNY S/ MARNE 01.64.12.46.08 - 01.64.30.94.17		
REF PLAN : MONT TIL09 / 1		A		



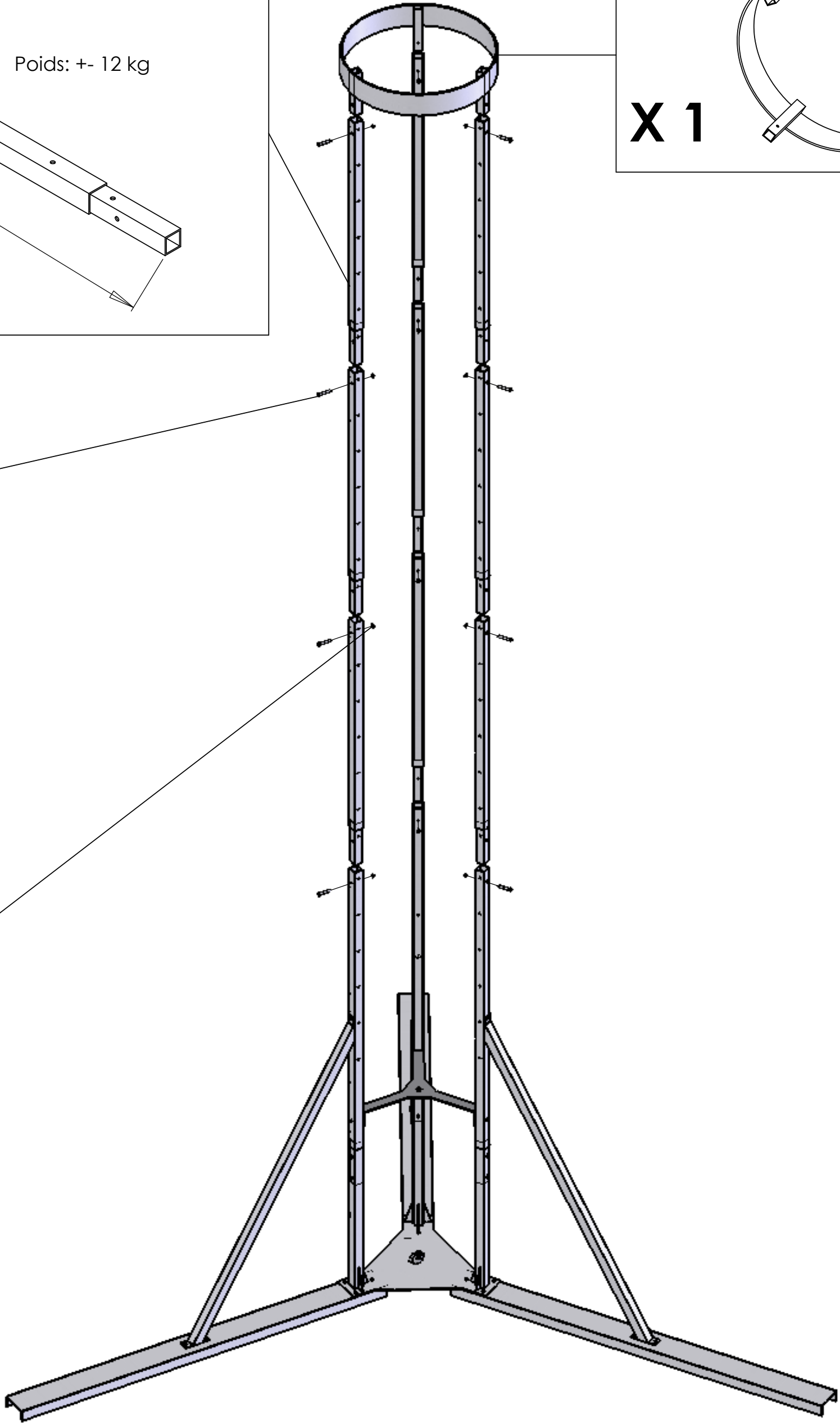
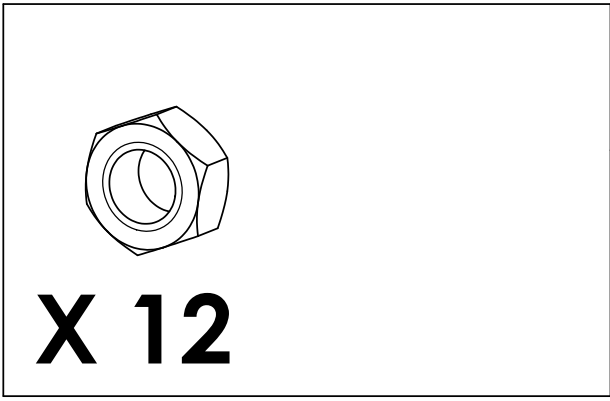
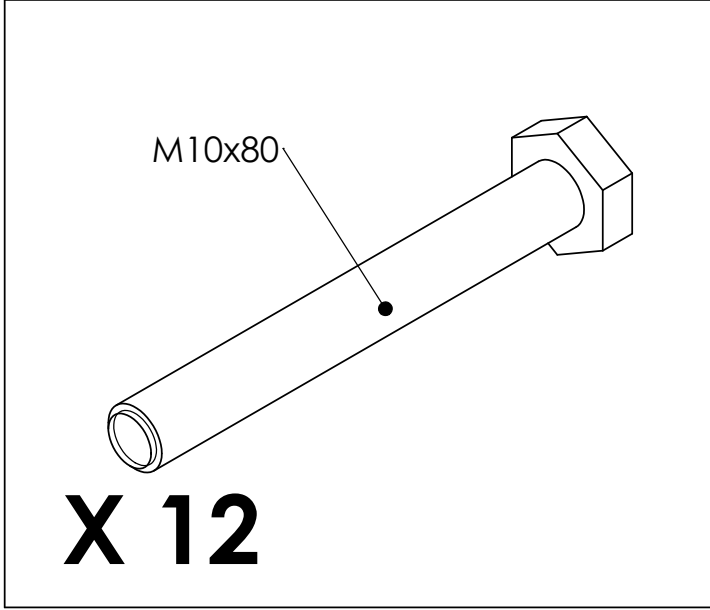
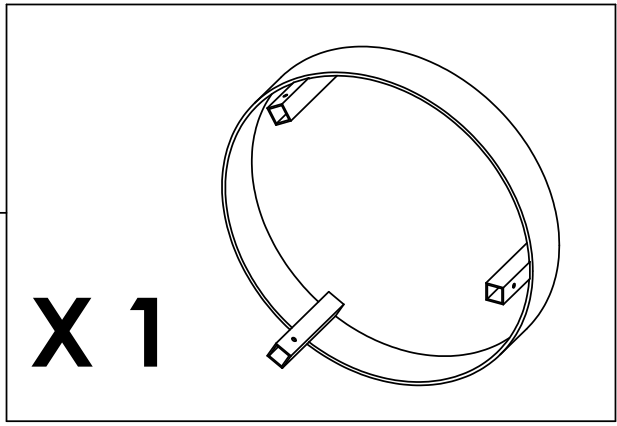
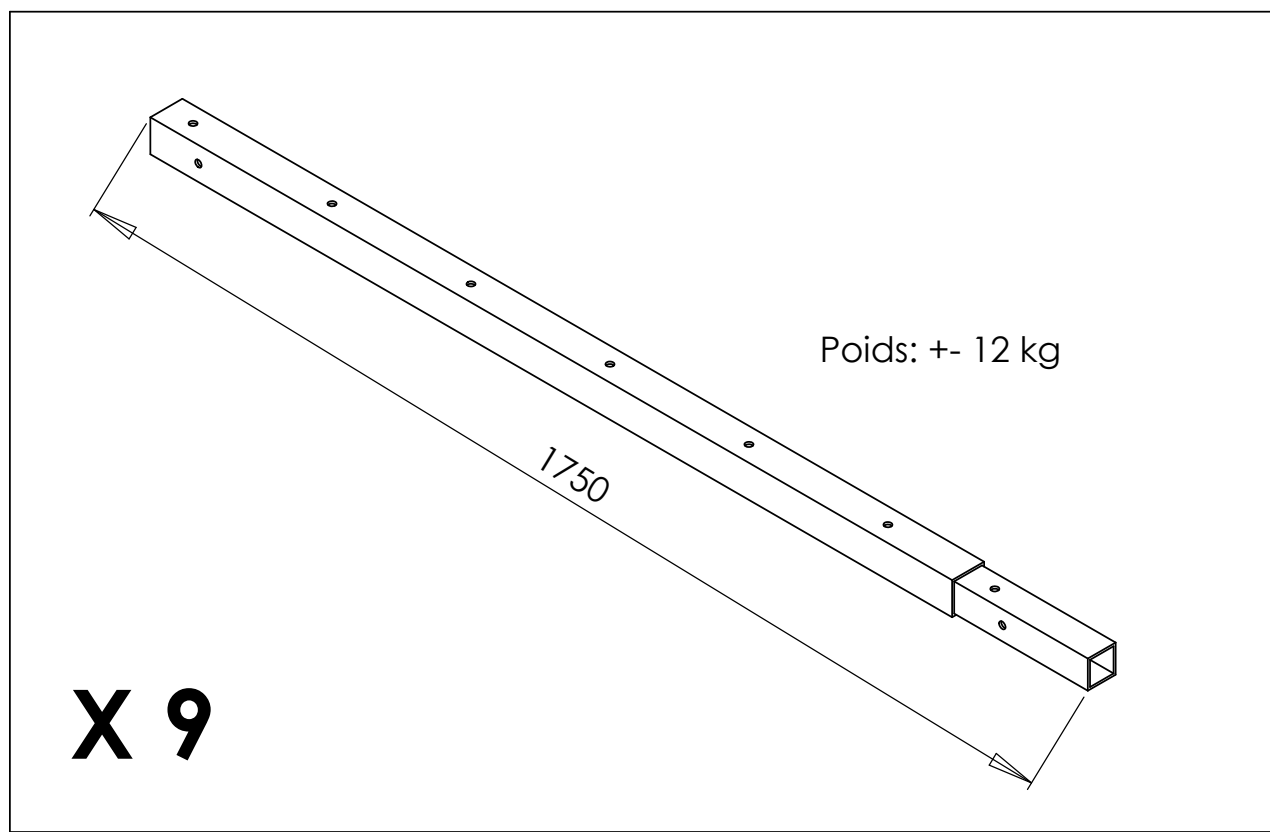
Tolérances générales: +/- 0.1 mm
Unités: mm

Rev:	Objet de la modification		Date :	Par:
Matière: XXXXXXXXXXXX	Traitement: XXXXXXXXXXXXXXXX		Rev.	
Dess: JDP	Date : 09/03/09	MONTAGE TIL09 ETAPE 2		
	A2 Echelle : 1 / 15			
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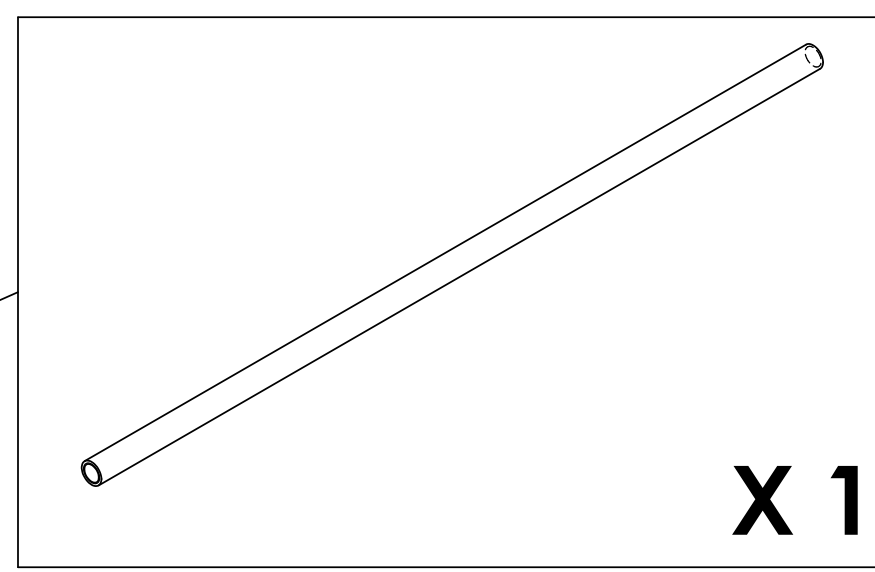
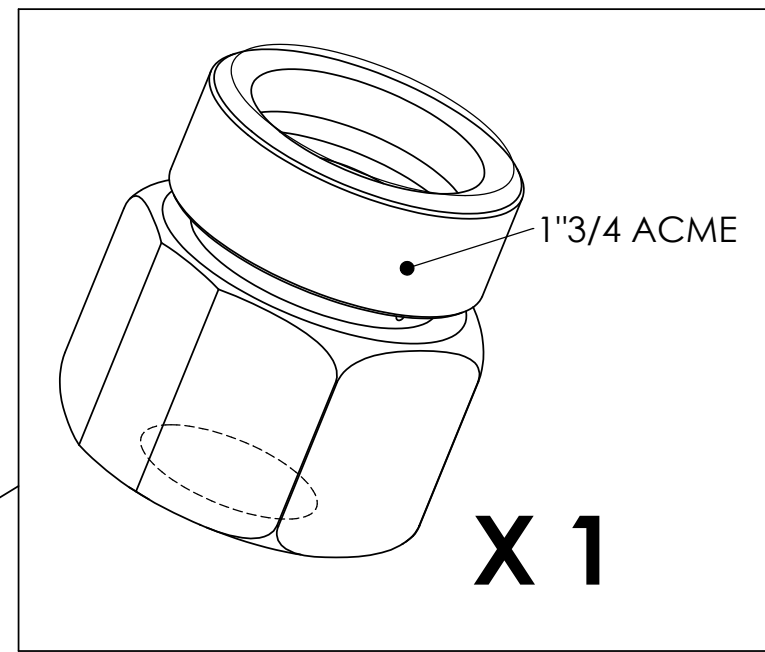
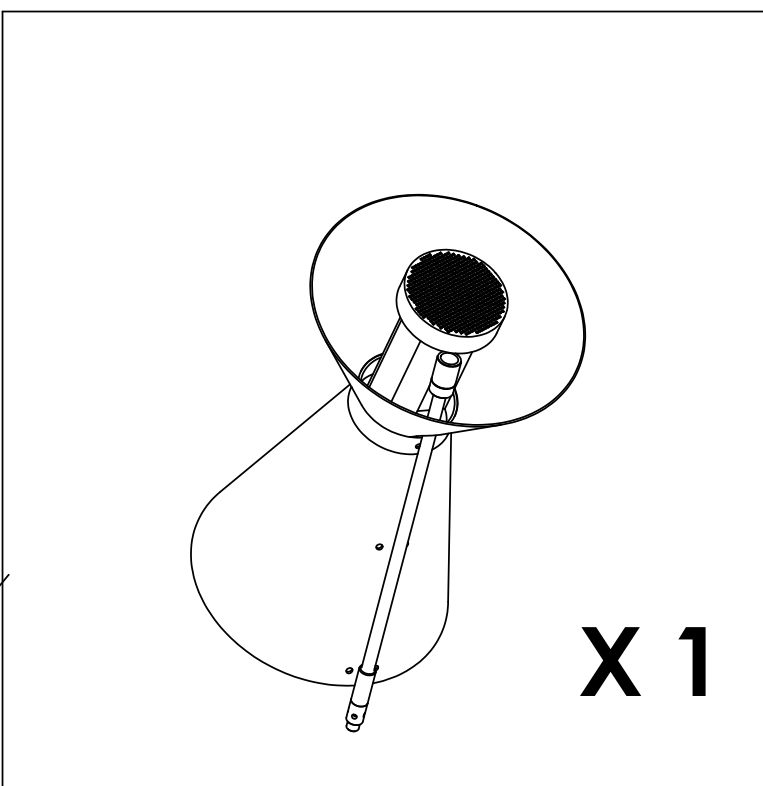
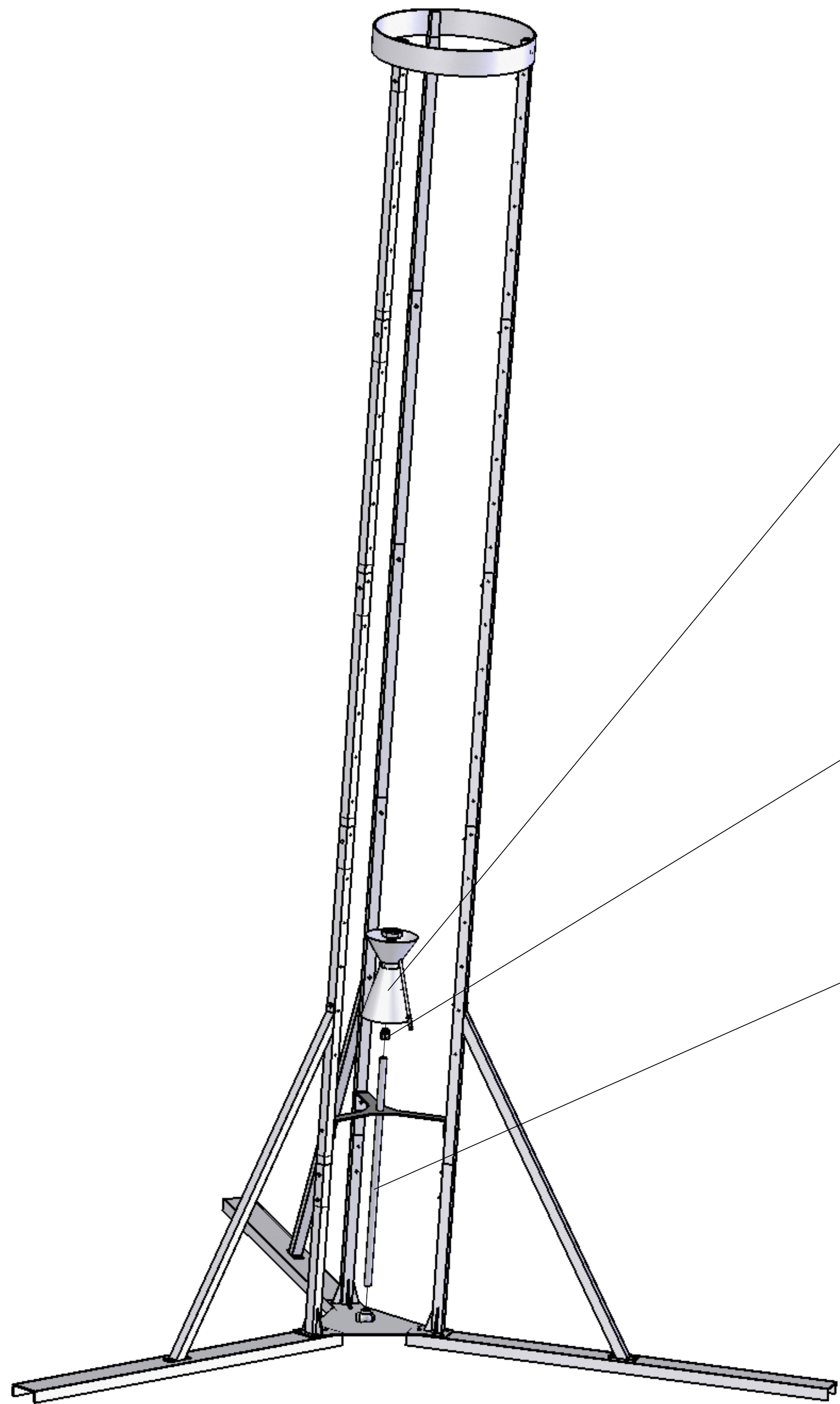
Tolérances générales: +- 0.1 mm
Unités: mm

Rev:	Objet de la modification		Date :	Par:
Matière: XXXXXXXXXXXX	Traitement: XXXXXXXXXXXXXXXX		Rev.	
Dess: JDP	Date : 09/03/09	MONTAGE TIL09 ETAPE 3		
	A2 Echelle : 1 / 10			
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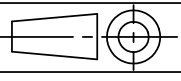



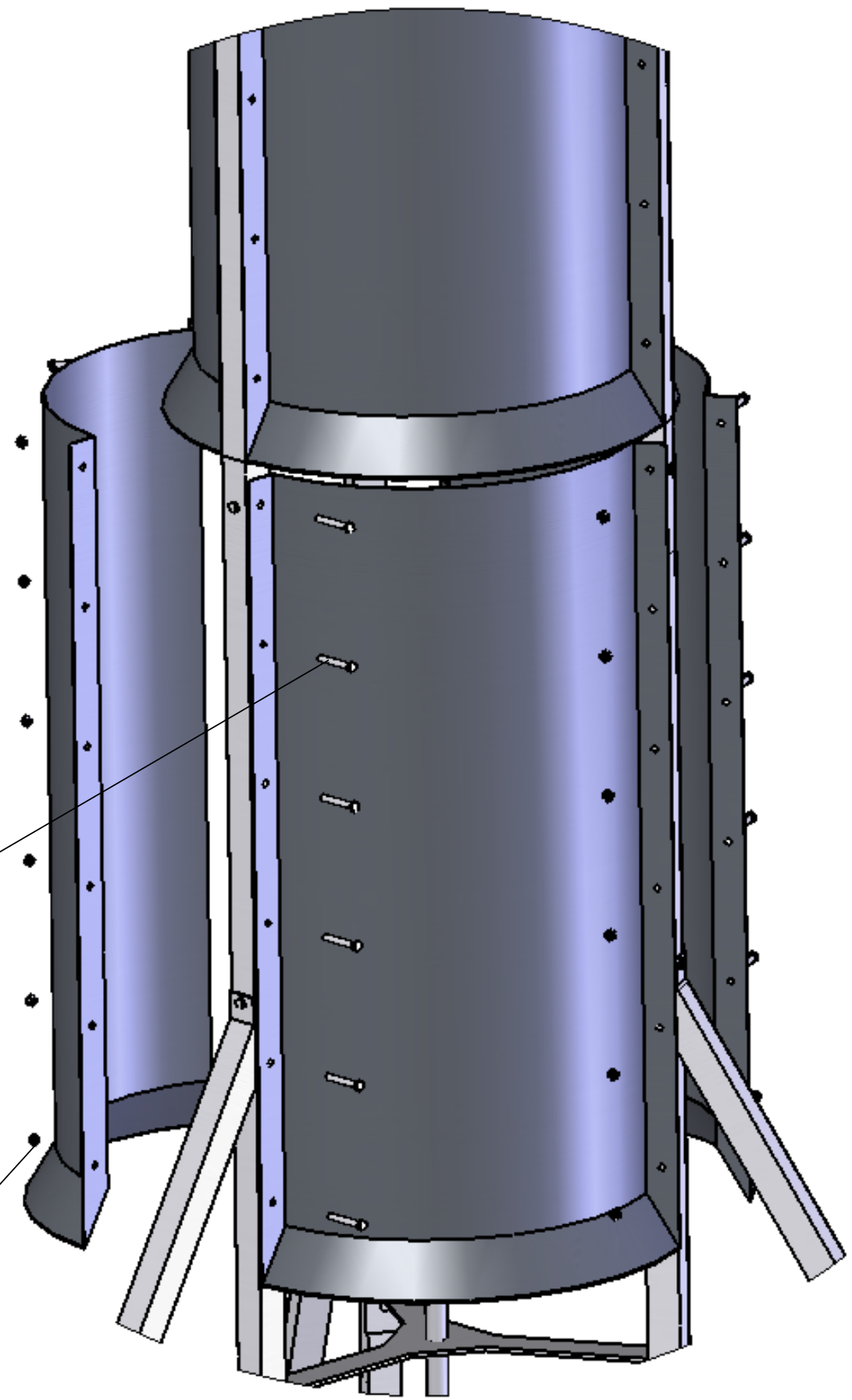
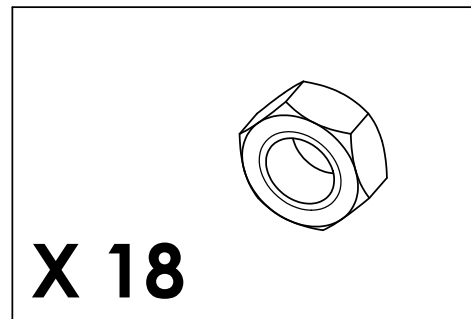
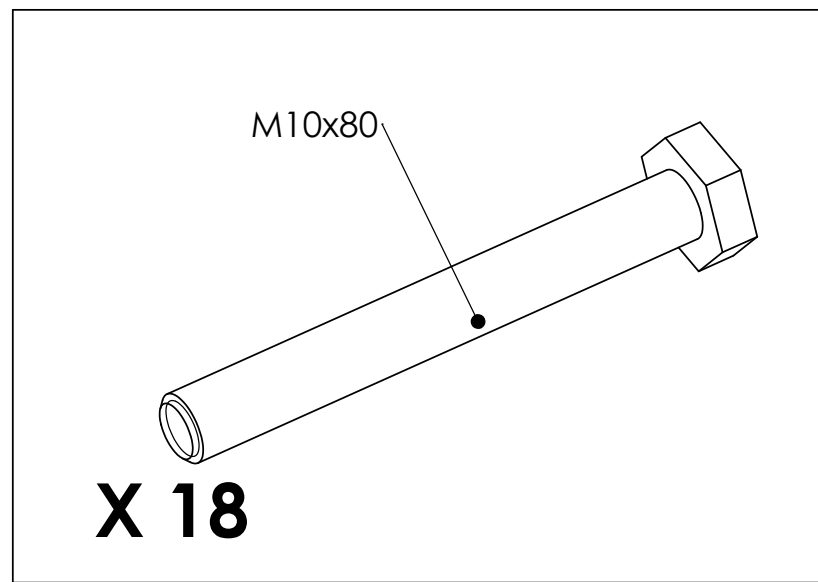
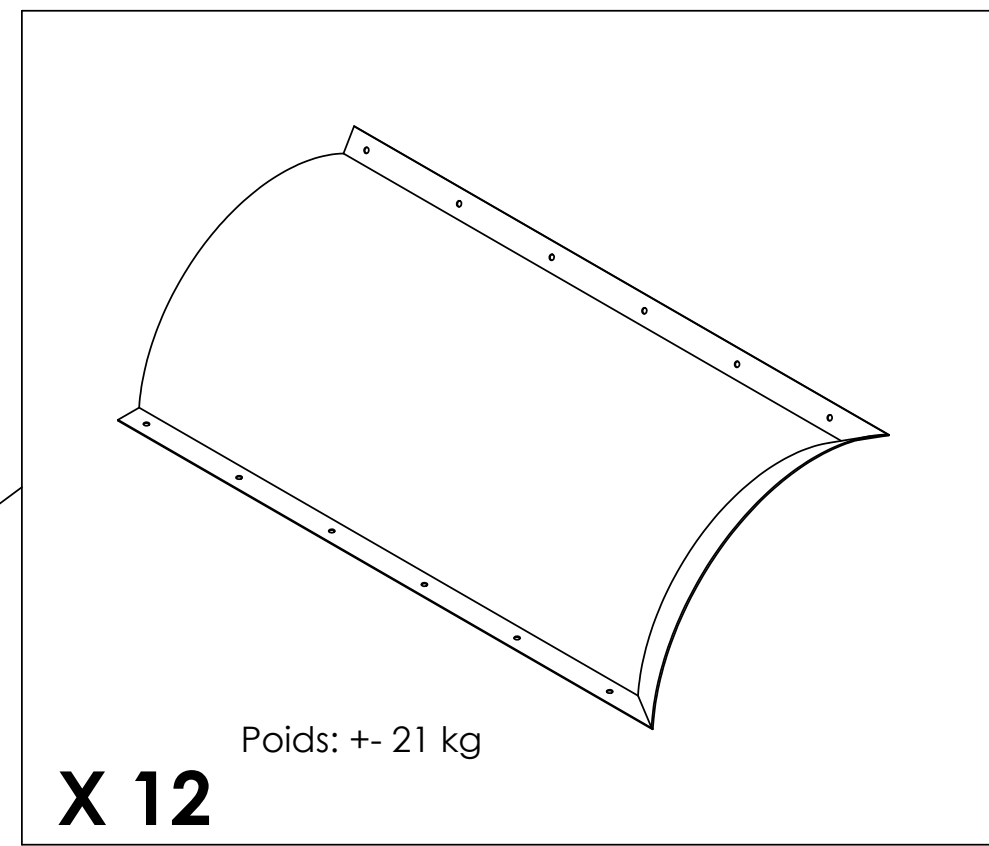
Tolérances générales: +/- 0.1 mm
Unités: mm

Rev:	Objet de la modification		Date :	Par:
Matière: XXXXXXXXXXXX	Traitement: XXXXXXXXXXXXXXXX		Rev.	
Dess: JDP	Date : 15/07/09	MONTAGE TIL09 ETAPE 4		
	A2 Echelle : 1 / 21			
 EQUIP FLUIDES 2 Rue Lavoisier 77465 LAGNY S/ MARNE 01.64.12.46.08 - 01.64.30.94.17		A		
		REF PLAN : MONT TIL09 / 4		



Tolérances générales: +/- 0.1 mm
Unités: mm

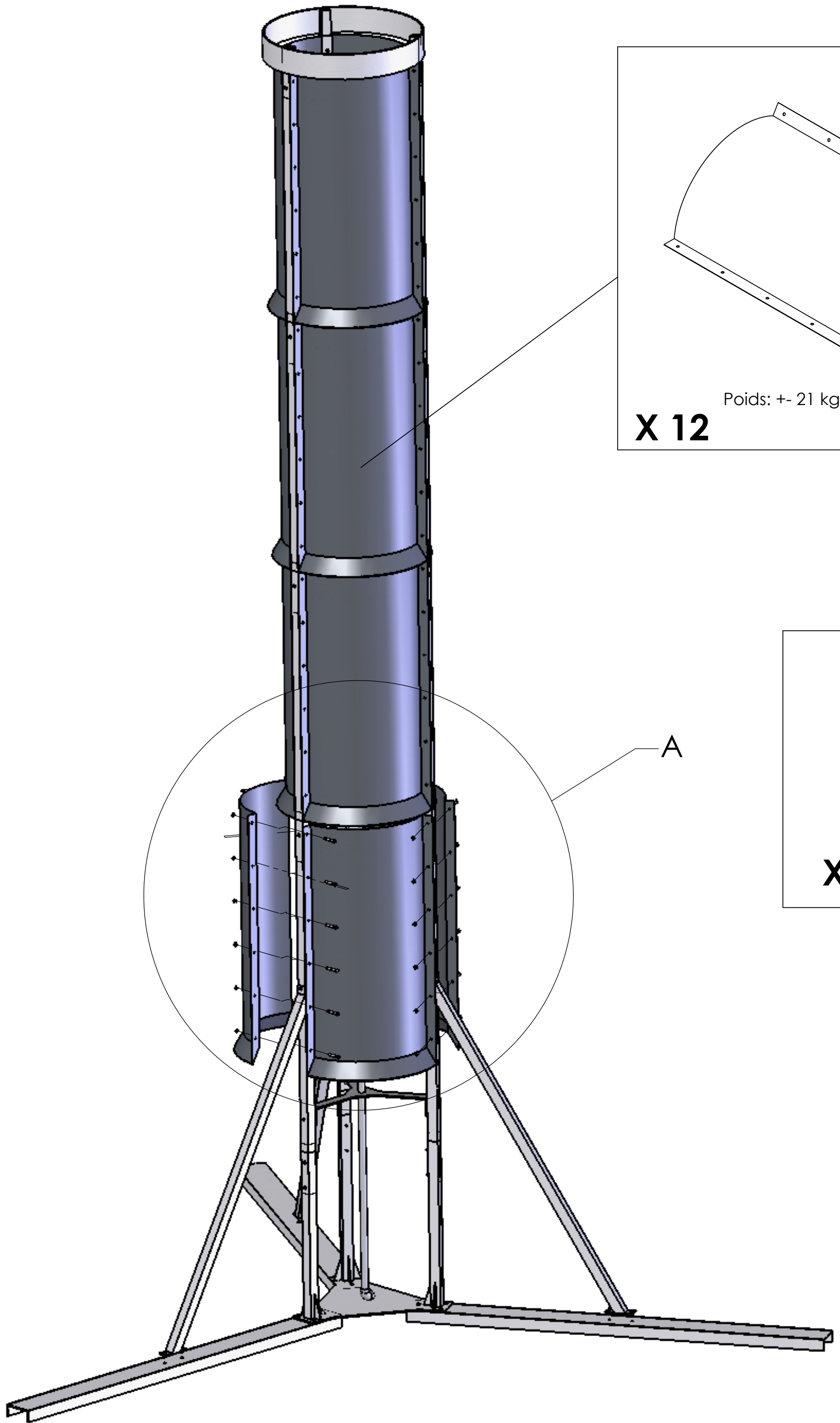
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Dess: JDP	Date : 15/07/09	MONTAGE TIL09 ETAPE 5		
 A2	Echelle : 1 / 21			
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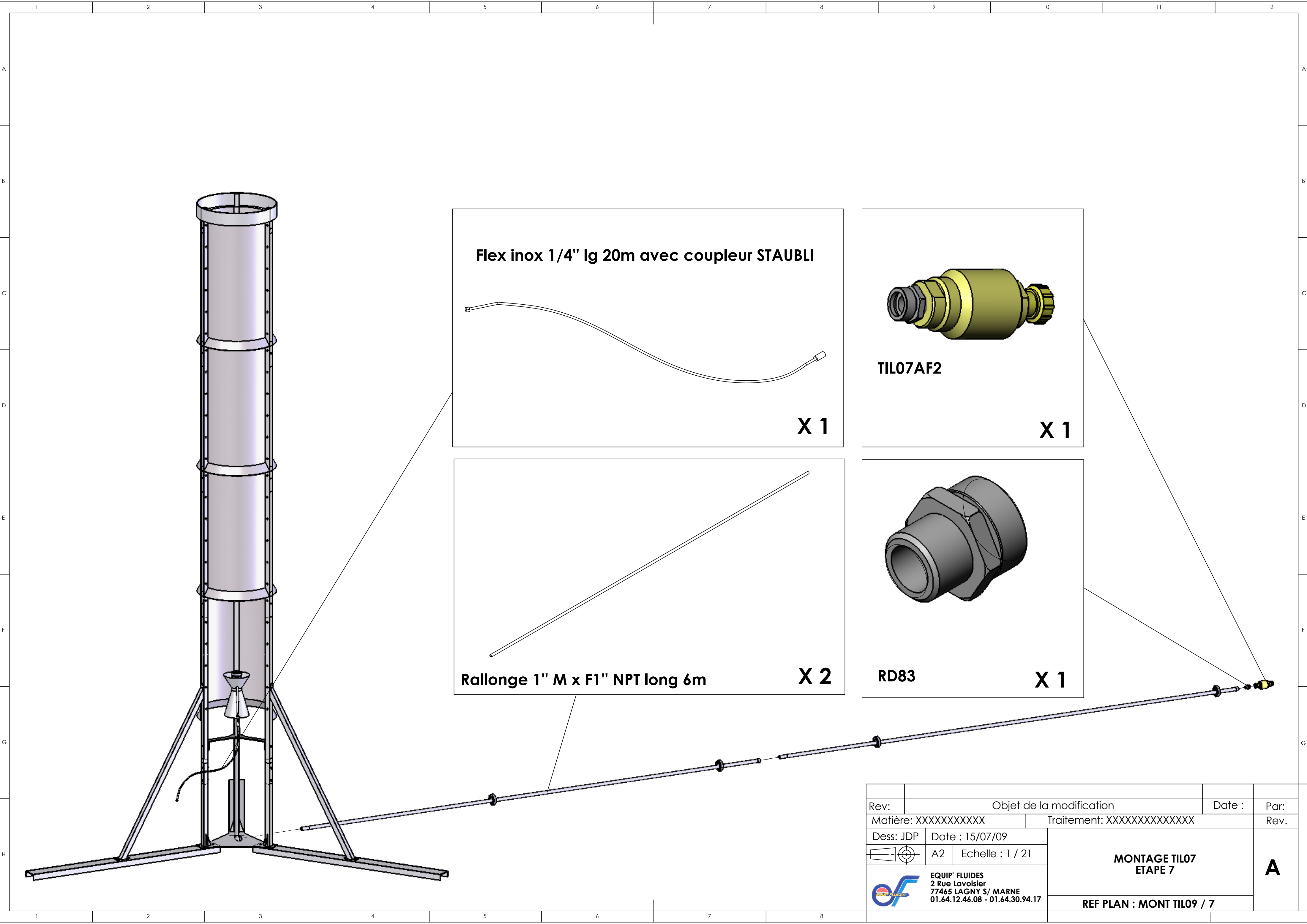


DÉTAIL A
ECHELLE 2 : 21

Tolérances générales: +/- 0.1 mm
Unités: mm

Rev:	Objet de la modification		Date :	Par:
Matière: XXXXXXXXXXXX	Traitement: XXXXXXXXXXXXXXXX		Rev.	
Dess: JDP	Date : 15/07/09	MONTAGE TIL07 ETAPE 6		
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Flex inox 1/4" lg 20m avec coupleur STAUBLI

X 1

TIL07AF2

X 1

Rallonge 1" M x F1" NPT long 6m

X 2

RD83

X 1

Rev:	Objet de la modification		Date :	Par:
Matière: XXXXXXXXXXXX	Traitement: XXXXXXXXXXXXXXXX		Rev.	
Dess: JDP	Date : 15/07/09	MONTAGE TIL07 ETAPE 7		
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