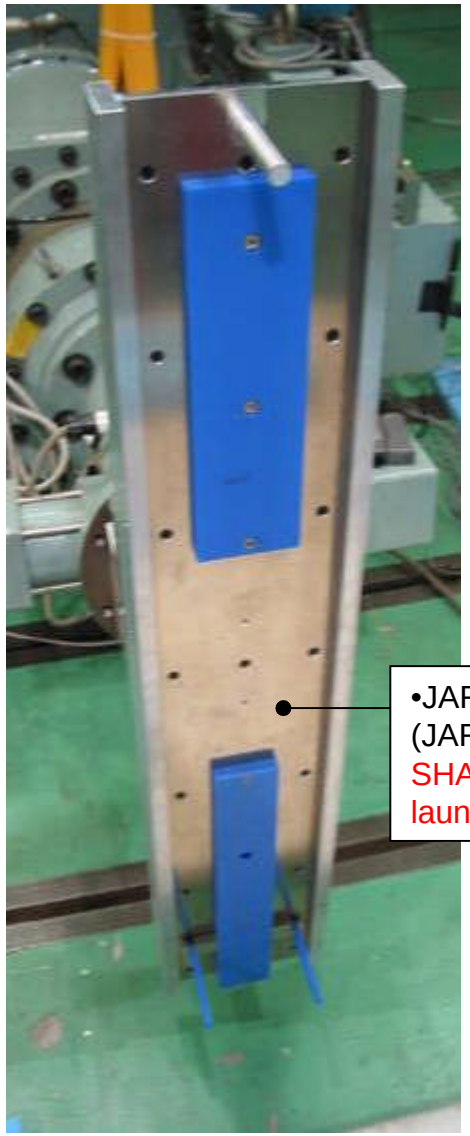
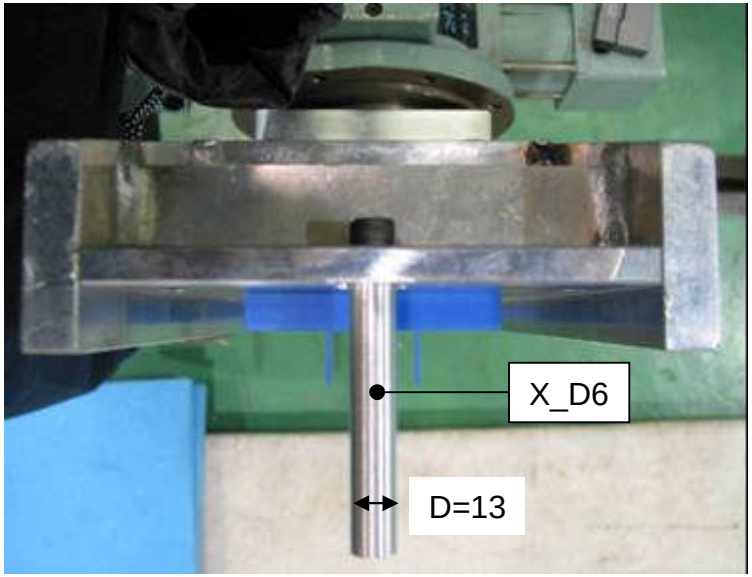
Pushing surface Information for Flex-GTR-prototype
for Flex-GTR-prototype

Oblique view

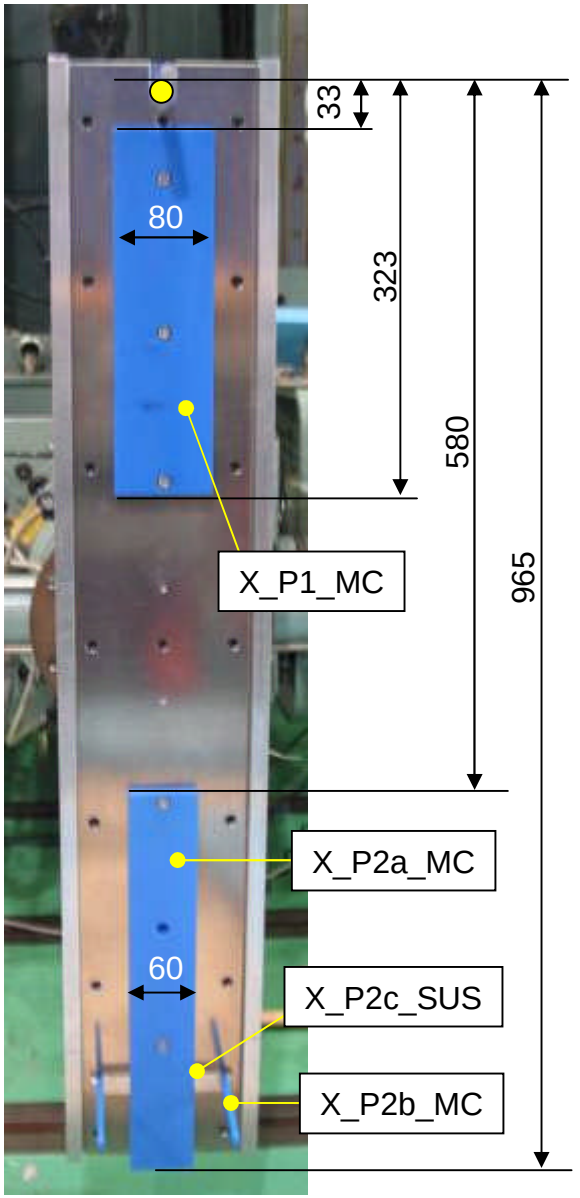


Top view



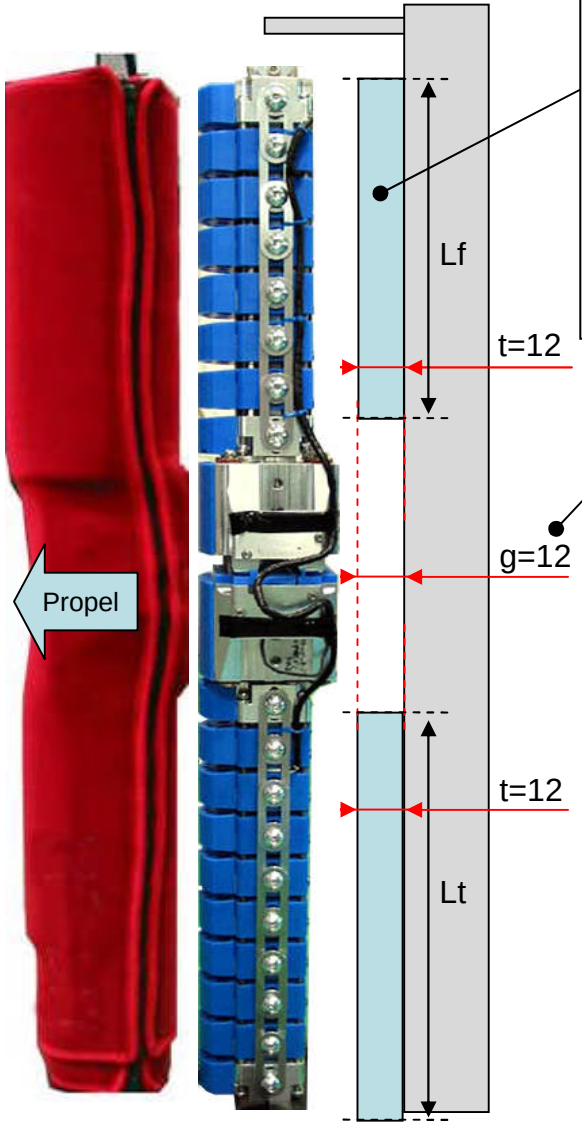
•JARI purchased this flat body parts from S-Tech.
(JARI does not have any drawings)
SHALL BE RIGID ENOUGH, i.e. shall not be bent during the launch of the impactor to the car

Frontal view



Pushing surface Information for Flex-GTR-prototype, contd.
for Flex-GTR-prototype

Side view



unit: mm

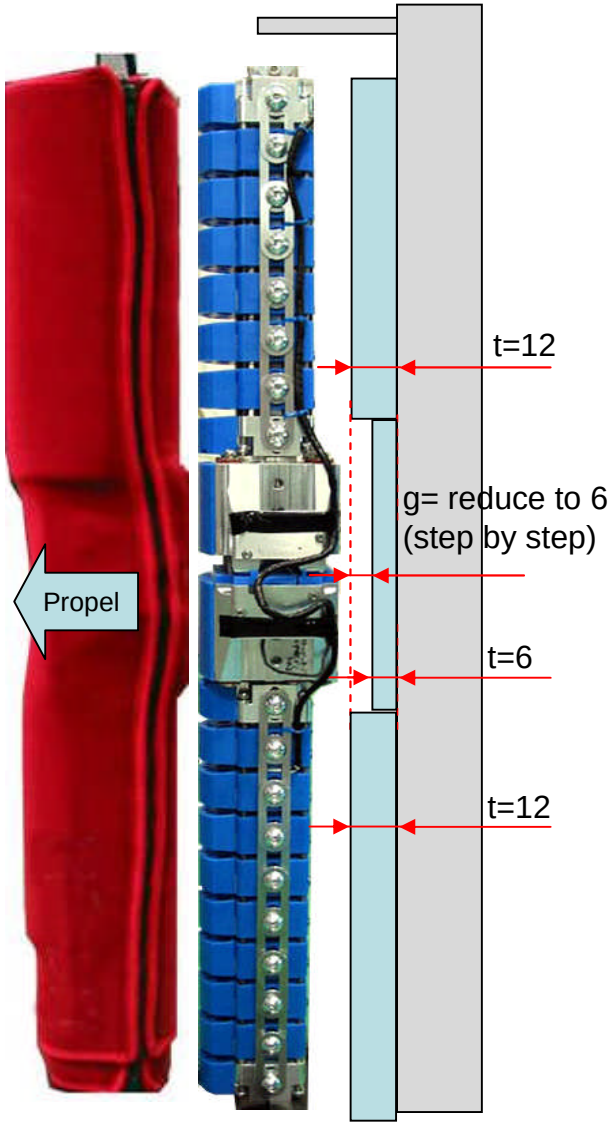
Size
- t = 12 mm
- Lf = 290 mm (for Femur),
- Lt = 385 mm (for Tibia)
- Wf = 80 mm (for Femur)
- Wt = 60 mm (for Tibia)

W: wide

Material
Relatively hard material is required.
(JARI uses MC-Nylon or Aluminum)

- This gap (g) size depends on the acceleration level of pushing surface at each test lab.
- If the acceleration which is applied to the pushing surface during the launch the impactor to the car is around 30G as well as JARI, 12 mm gap will be OK.
- If the launch acceleration level is higher than the JARI one, it will be recommended to reduce the gap size up to 6 mm step by step (gradually decrease the gap is recommended) by adding a flat plate at the knee pushing area (see right figures).

Side view



unit: mm

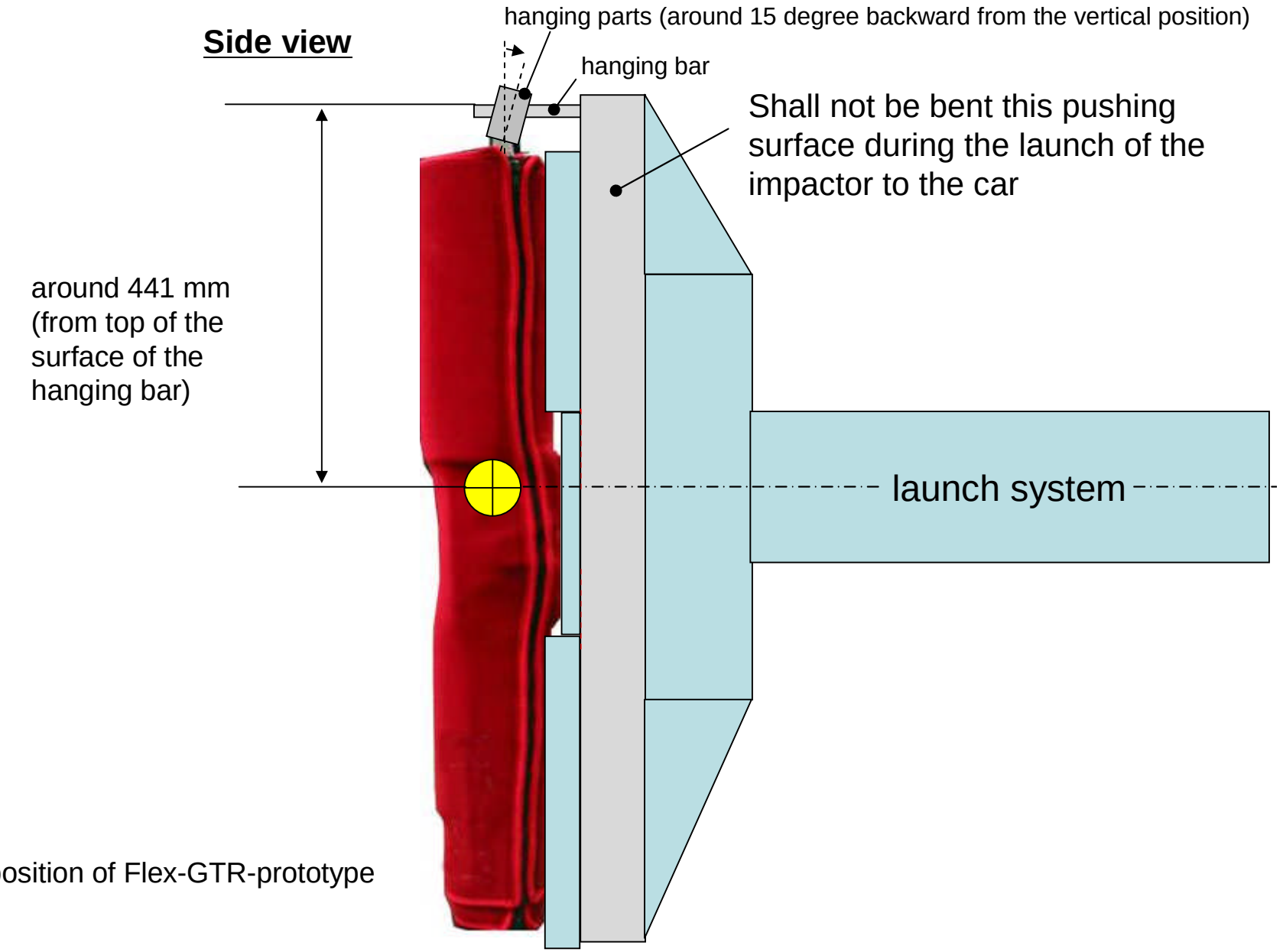
Pushing surface Information for Flex-GTR-prototype, contd.
for Flex-GTR-prototype

Frontal view

unit: mm

Pushing surface Information for Flex-GTR-prototype, contd.
for Flex-GTR-prototype

Side view



C.G. position of Flex-GTR-prototype