

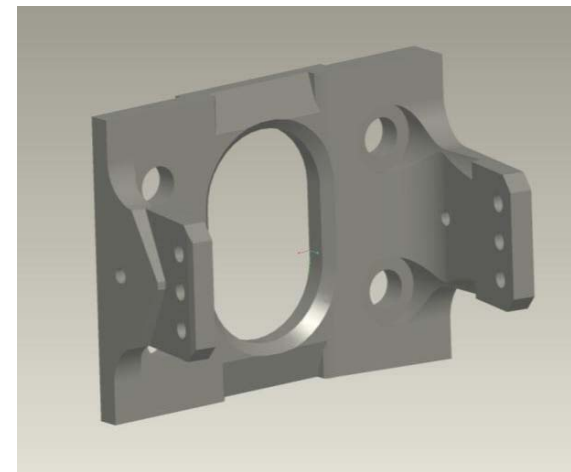
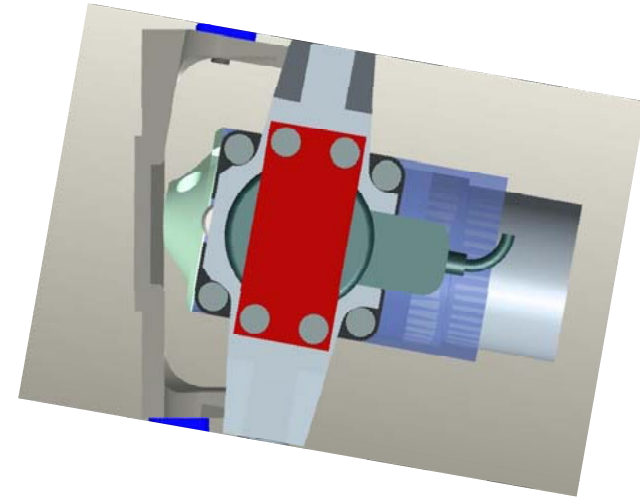
Update on 2D-IR-Tracc for WorldSID 50M



Bernard Been
September 2010

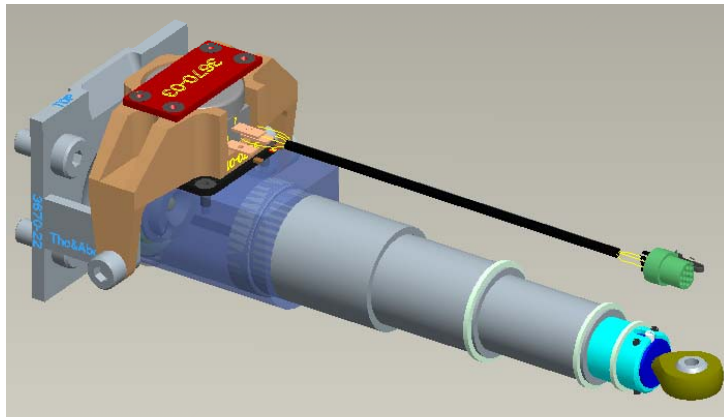
Previous status: oblique axis

- ▶ 4 versions necessary
- ▶ Left struck side
 - 1x part IF 368-1 shoulder
 - 5x Part IF 367-1 thorax & abdomen ribs
- ▶ Right struck side
 - 1x part IF 368-2 shoulder
 - 5x Part IF 367-2 thorax & abdomen ribs

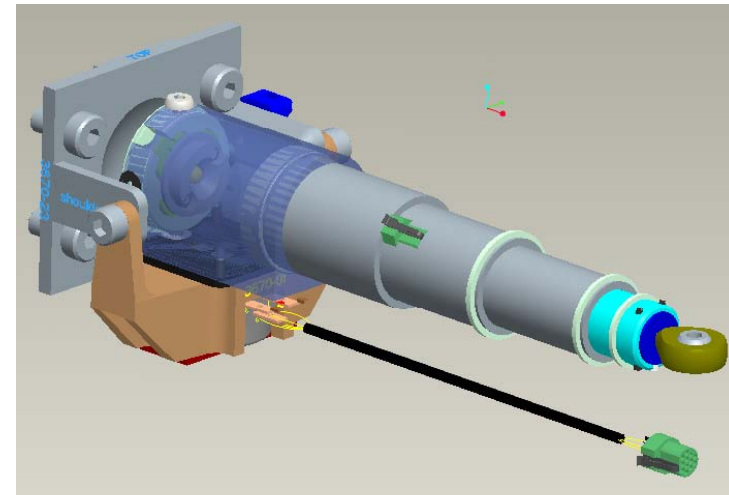


Update straight axis used left and/or right struck side

▶ Part IF-367 for thorax
and abdomen



▶ Part IF-368 for shoulder



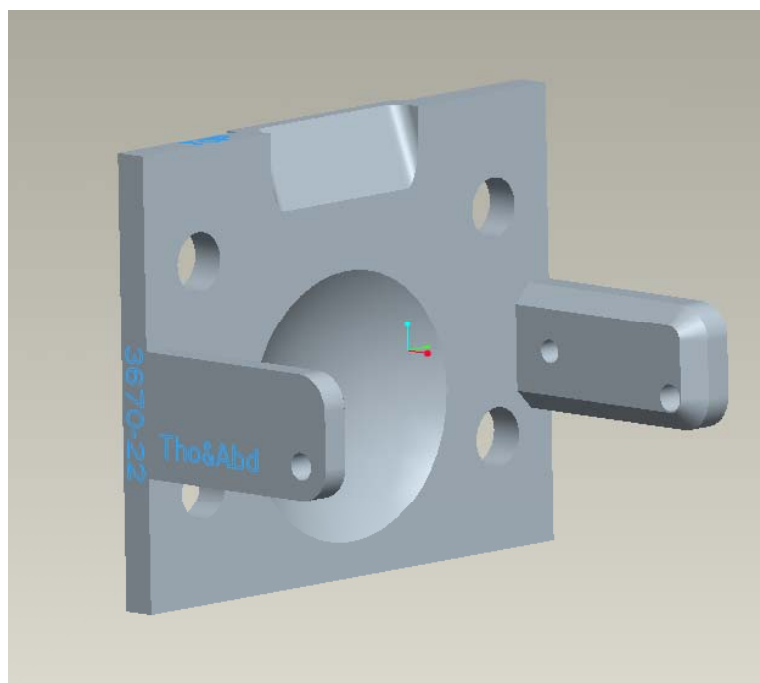
Quant	Part NR	Description
1	IF-368	2D-IR-Tracc for shoulder WorldSID 50M
5	IF-367	2D-IR-Tracc thorax & abdomen ribs WorldSID 50M
6	3670-08	Non struck side ballast rib clamps

Specifications

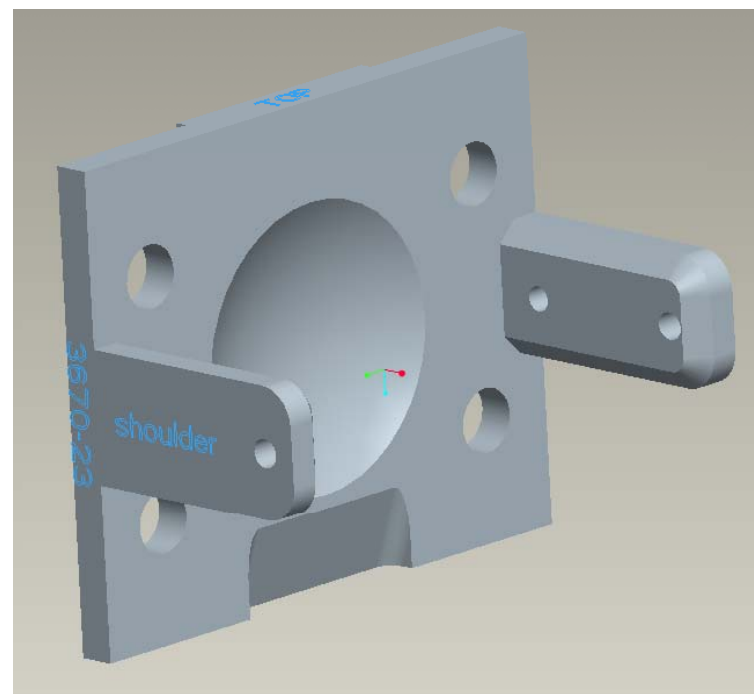
- ▶ Single struck side use in combination with non struck side ballast
- ▶ Dual struck side use without ballast
- ▶ Compression range identical 75mm
- ▶ Up to 45° forward and backward motion
 - Larger ROM than standard IR-Tracc (~±30°)
- ▶ Implementation without modifications
 - 2D-IR-Traccs replace standard IR-traccs and rib clamps

Bracket designs

Part 3670-22
thorax and abdomen bracket

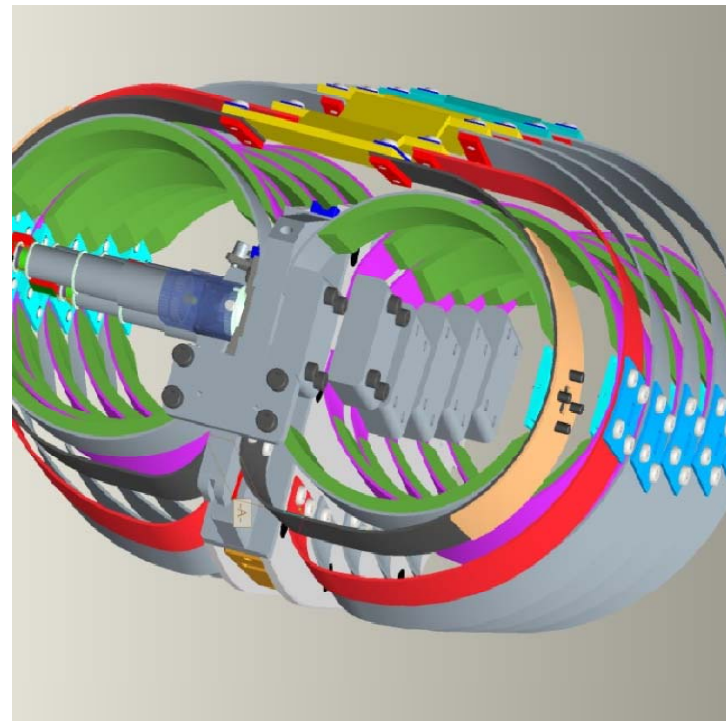
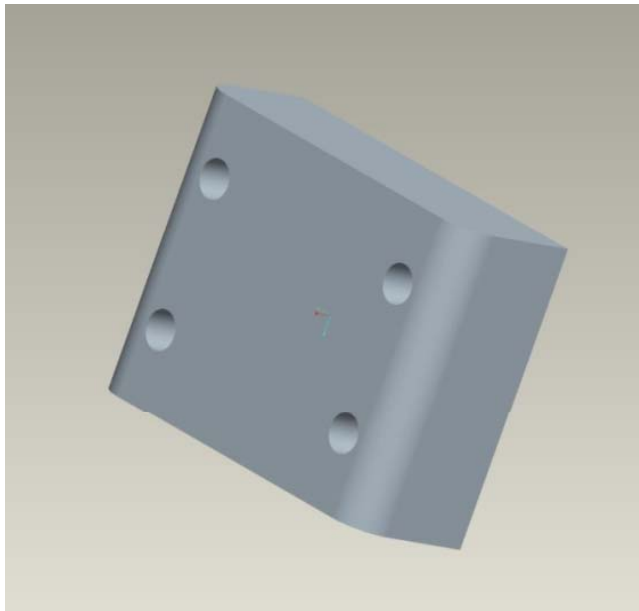


Part 3670-23 shoulder bracket



Single struck side use

- ▶ Part 3670-08 Ballast rib clamp in non struck side chest cavity
- ▶ Remove existing ballast or battery box



Instrumented left and right struck side simultaneously

- ▶ Research occupant to occupant interaction in side impact
- ▶ Replace ballast rib clamps by IF-367 and IF-368



Quantity	Part NR	Description
2	IF-368	2D-IR-Tracc for shoulder WorldSID 50M
10	IF-367	2D-IR-Tracc for thorax & abdomen ribs WorldSID 50M

Thank you for your attention