

## V41 Artificial Limb Socket Making



### 1. Final Task Assignment

The task consists in fabricating an orthosis using a pre-thermoformed basis.

Contestants will adjust and curve the orthosis' struts, cut the thermoplastic, install the hinges and fillings.

Assembly instructions describing the procedure to follow will be provided on the day of the competition.

- 2H210-D et 2H210-D Assembly instructions for the hinges
- 2H200-G et 2H200-D Assembly instructions for the fillings
- 2H230 Assembly instructions for the cover panel

Please read carefully the Assembling Instructions provided in English, French, german and Spanish :

- [Instructions 1](#)
- [Instructions 2](#)
- [Instructions 3](#)
- [Instructions 4](#)

### 2. Allocated time: 6h00

6 hours of competition.

### 3. Requirements

- As soon as contestants have polished the edges, they will notify members of the jury so they can proceed with the evaluation of this criterion.
- Contestants will keep their work station clean and will respect the rules of safety and hygiene for the duration of the competition.
- The use of PPE (personal protective equipment), mask, helmet, glasses and gloves is mandatory.

## 4. Procedure

**Day -1 (March 24<sup>th</sup>):** On the day before the competition, contestants will be welcomed on the contest stand by members of the jury. A briefing about the organization of the competition and the safety rules will be arranged. Due to the large number of registered contestants, the competition will be organized in two groups.

### Composition of the groups

Group 1: 4 contestants	Group 2: 4 contestants
France, 2 contestants	Japan, 2 contestants
Korea, 1 contestant	Rwanda, 1 contestant
Austria, 1 contestant	India, 1 contestant

**Day 1 (March 25<sup>th</sup>):** Contestants from group n°1 will have 6 hours to complete the task. Contestants from group n°2 will go on an organized trip.

**Day 2 (March 26<sup>th</sup>):** Contestants from group n°2 will have 6 hours to complete the task. Contestants from group n°1 will go on an organized trip.

N°	5. Evaluation criteria	Scoring Scale
01	Respect of the rules of safety and hygiene	5
02	Visual aspect of the edges	5
03	Finish quality of the thermoplastic (polishing of the edges)	8
04	Respect of dimension A = x - 3mm	5
05	Respect of dimension B = x - 3mm	5
06	Respect of dimension C = x - 3mm	5
07	Respect of dimension D = x - 3mm	5
08	Setting quality of the rivets	3
09	Setting quality of the velcros	2
10	Setting quality of the foam	2
11	General aspect of the filling	5
12	Precision of the curves (struts, calipers)	20
13	Precision of alignments	10
14	Quality and precision of the levelling	15
15	General aspect (respect of the provided support - thermoplastic)	5
<b>TOTAL POINTS</b>		<b>100</b>

**Abi wishes you a good competition!**

