SPECIFICATIONS
FOR THE CONCEPTION OF
A PROSTHESIS SIMILATING FINGERS

Global function (service function)

The prosthesis must reproduce as faithfully as possible the movements of the fingers, excluding the thumb.

In terms of the *physical aspect*, the fingers prosthesis must:

- Be affixed to the existing forearm without modifying it.

In terms of the *technical aspect*, the fingers prosthesis must:

- Be between 80mm. and 120 mm. in length;
- Have a maximum width of 90 mm;
- Be able to be disassembled;
- Allow for movement of between15^{o} and 20^{o} towards the top and between 25^{o} and 30^{o} towards the bottom;
- Be adjusted to the forearm prosthesis while respecting the tolerances set out in the technical guidelines;

In terms of the *industrial aspect*, the fingers prosthesis must:

- Be able to be entirely built in a science and technology laboratory of the 2nd cycle of secondary school;
- Be entirely built with the available materials and with the raw materials put at your disposal.
  Note: Pressure-tack, adhesive tape and elastics are not allowed as technical connections.

Working document