

ANTHROPOMETRIC DATA

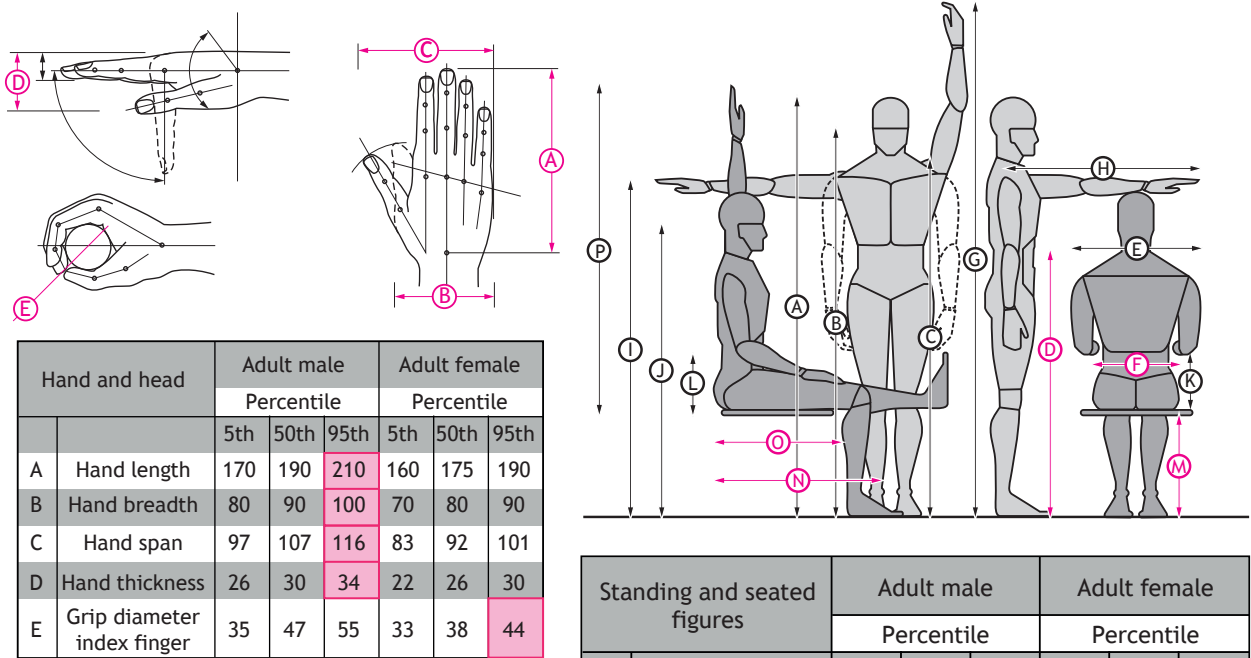
I am not exactly sure what the product will be like but I have selected a range of anthropometric sizes which I think are likely to be important.

I have taken a mid point for the elbow height so that it will be suitable for all users.

I have taken the 95%le for women of the hip width as this is the biggest and therefore will fit all users.

I have selected the leg sizes which I think will be important whether the user is sitting or kneeling. I have taken the largest female size for the popliteal dimension as this matches mid 50%le for men point and would be most suitable. I have chosen the 95%le men sizes for the other two leg dimensions as if product fits large men it will fit all users.

I have also taken key hand sizes to make sure that the product can be lifted or adjusted.

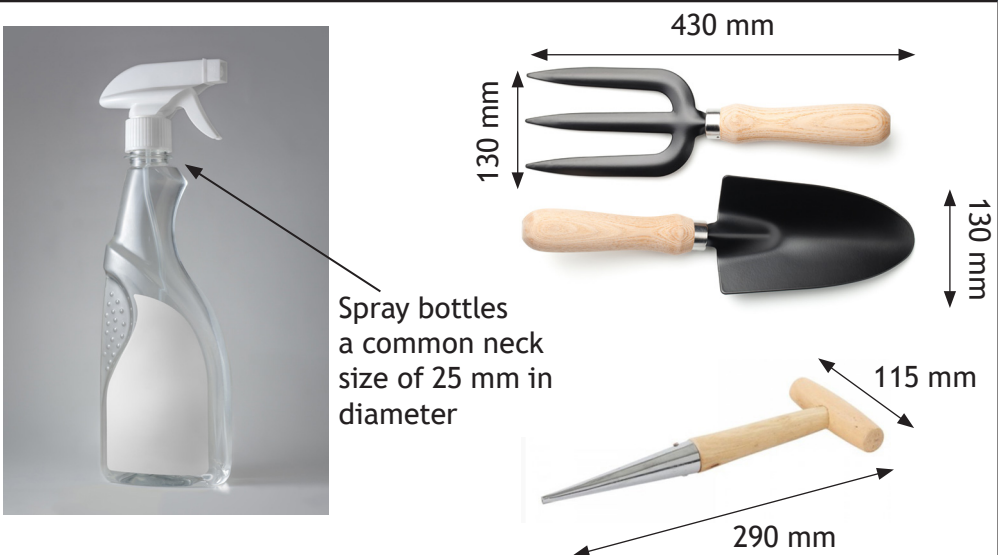


OBSERVATIONS FROM USER TRIALS

- 5 people in the target group were observed weeding their garden. The points I noted were:
1. All collected the weeding tools from a garden shed and carried them to the gardening area. Some of them had the tools in a bag, others carried them loose.
 2. All had a bag or a bucket to put the weeds in.
 3. There were 2 main gardening positions, kneeling or sitting. Sometimes all both positions were used, depending on how long the weeding went on.
 4. The time spent a any one spot was quite short (no more than 2 minutes) and then everything had to be moved.
 5. All people often rubbed their knees and backs.



SIZES OF EQUIPMENT



Specification

The specification should include key points from the brief and research to detail the requirements of the proposal.

It should clarify aspects such as aesthetics, function, ergonomics, performance, and cost.