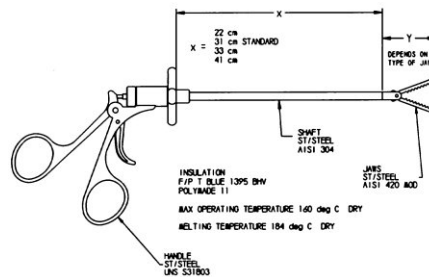
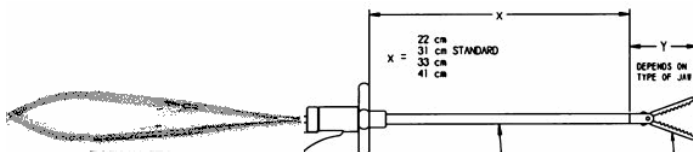


Transdisciplinary research project

1. Title
Handle endoscopic surgery instrument
2. Proposer
Dr Wan Shah Jihan Wan Din
Department of ORL-HNS, PPSP
wsjihhan@kb.usm.my
3. Who do you think could join you
?Mechanical Engineer
4. Problem statement
Current endoscopic equipments handle are designed as 'pistol grip' shape. It not natural finger movement especially in fine movement and also not the most comfortable position. The most natural finger movement is manoeuvre is between index finger and thumb as in pencil and chop stick holding.
5. What is the objective
To design instrument handle which base on pencil holding position.
6. Brief methodology/design



to something like this



Need lock and rotatable mechanism

7. The outcome of the projects [ie the usefulness of the products] marketable product but the design must liaise with international surgical instrument such as Karl Storz for manufacturing and marketing purpose.