

Prosthetics Research • Design • Manufacturing • Consulting

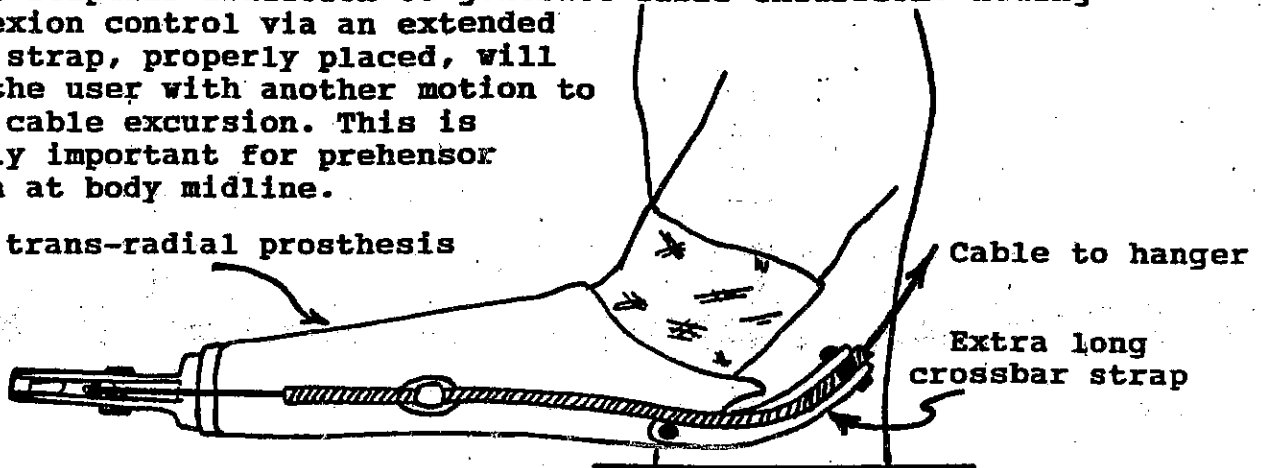
IMPORTANT !! PLEASE READ !!

CABLE ROUTING TO CAPTURE "ELBOW FLEXION" CONTROL MOTION

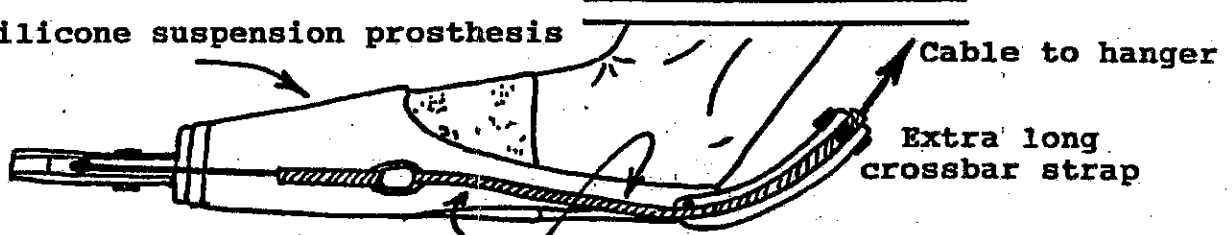
Optimal operation of TRS voluntary closing prehensors Grips/ADEPTs can be achieved by insuring that "Elbow-flexion" prosthetic motion control generates cable excursion, pulling the thumb closed.

Typically the prosthesis relies on humeral flexion and abduction and bilateral scapular abduction to generate cable excursion. Adding elbow flexion control via an extended crossbar strap, properly placed, will provide the user with another motion to generate cable excursion. This is especially important for prehensor operation at body midline.

Supracondylar trans-radial prosthesis



Trans-radial silicone suspension prosthesis



Create possible rigid lateral "lever" trim line to which the crossbar strap is attached.

Traditional trans-radial prosthesis using triceps cuff

