





Kinematic parameter of SDH2

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- The figure to the left shows all axes in zero position. The lengths are in mm.
- The positive direction of the rotation about an axis is determined by the right hand rule, where
 -  indicates „thumb pointing out of paper“ (tip of arrow)
 -  indicates „thumb pointing into paper“ (back of arrow)
- => For axes indicated with  positive direction is clockwise
- => For axes indicated with  positive direction is counterclockwise
- Each finger x has 2 Axes: Ax.1 and Ax.2
- Additionally fingers F1 and F3 can be rotated about axis A0.
(This is only 1 degree of freedom as the movements of F1 about A0 and F3 about A0 are mechanically coupled).
- Mechanical axis limits:
 - A0: $0^{\circ} - 90^{\circ}$
 - Ax.1: $-90^{\circ} - +90^{\circ}$
 - Ax.2: $-90^{\circ} - +90^{\circ}$
- Depending on the actual axis configuration parts of the axis ranges can be blocked due to internal collisions of the fingers (Finger Fx with Finger Fy, with $x \neq y$).

