

# dV Large Needle Driver 420006

$${}_{\text{base}}^{\text{rotation}} T = \begin{bmatrix} 0 & 0 & 1 & 0,467 \\ 0 & -1 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$${}_{\text{rotation}}^{\text{wrist}} T = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$${}_{\text{wrist}}^{\text{jaw}_1} T = \begin{bmatrix} 1 & 0 & 0 & 0,0091 \\ 0 & 0 & -1 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

$${}_{\text{wrist}}^{\text{jaw}_2} T = \begin{bmatrix} 1 & 0 & 0 & 0,0091 \\ 0 & 0 & 1 & 0 \\ 0 & -1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

