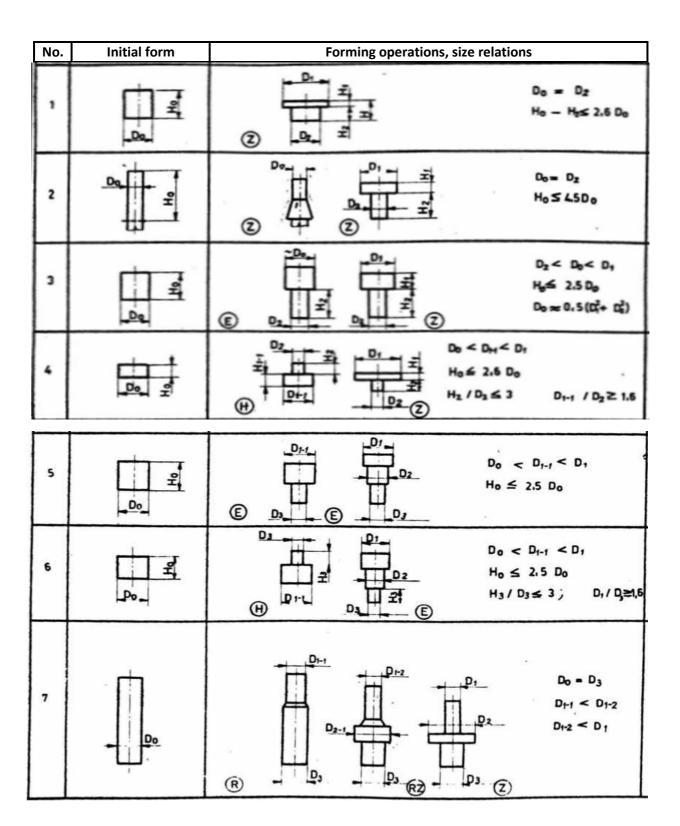
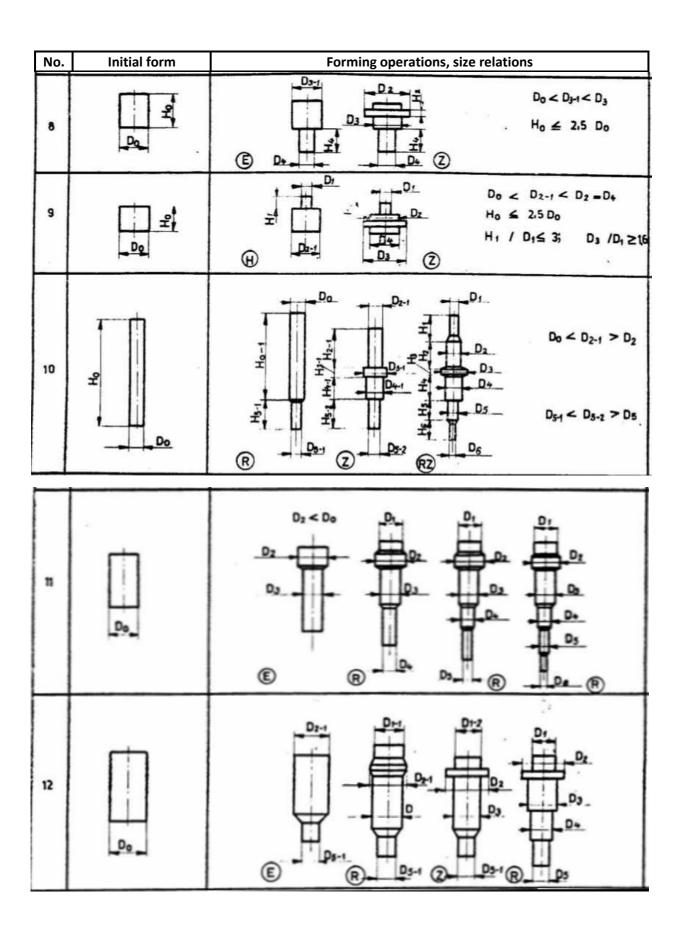
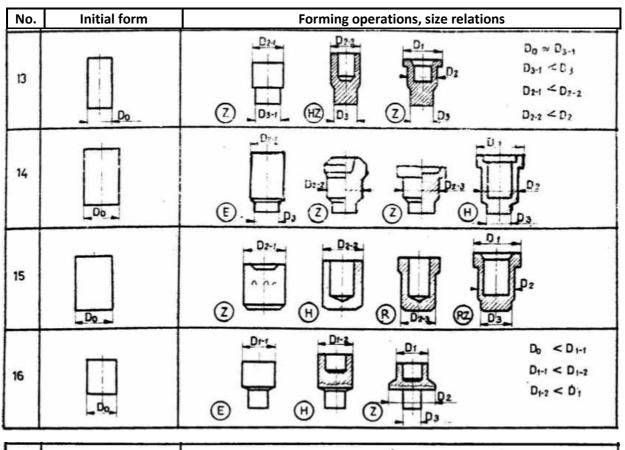
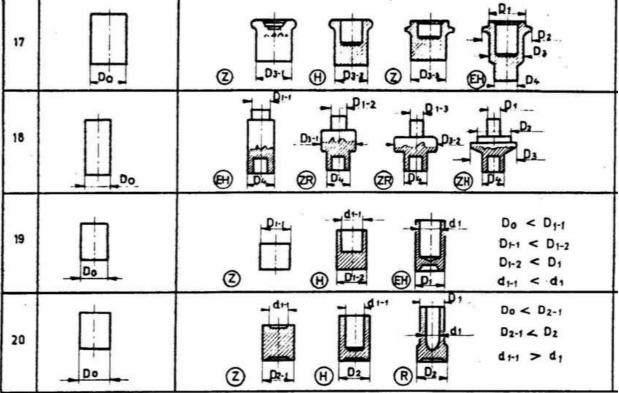
ASSISTANCE SHEET

to select bulk forming operation steps









No.	Initial form	Forming operations, size relations	
2	_0	$(E) = \begin{bmatrix} D_{2} + 1 & D_{2} & D_{2} + 1 \\ D_{2} + 1 & D_{2} & D_{2} & D_{2} + 2 \\ D_{2} + 1 & D_{2} & D_{2} + 2 \\ D_{2} + 1 & D_{2} + 2 \\ D_{2} + 2 & $	2
22	09	$(2) \qquad (2) \qquad (3) $	
23	2		3
24		$ \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array}\\ \end{array}\\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\$	• .
25		$ \begin{array}{c} \begin{array}{c} \\ \\ \\ \end{array} \end{array} \\ \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \end{array} \\ \begin{array}{c} \\ \\ \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	
26		$\begin{array}{c c} & D_1 \\ & D_{1-1} \\ & D_{2-1} \\ & D_{2-1} \\ & D_{2} \\ & D$)1 12
27	 Do	$(H) \qquad (E = 1)^{D_1} + (E = 1$	
28	Q		

