

ILLUSTRATIONS (Concl'd)

Figure A-10 Punch Assembly Number 1	80
A-11 Punch Assembly Number 2	80
A-12 Die Assembly Interface Diagram	81

TABLES

Table I. Stress Distribution for 1×10^6 psi Punch Assembly	5
II. Stress Distribution for 3×10^6 psi Die Assembly	6
III. Cubic Boron Nitride Preparations	14
IV. Sm_2O_3 Runs	18
V. X-ray Diffraction Results $\beta \text{ SmOOH}$	21
VI. X-ray Diffraction Results $\text{Sm}(\text{OH})_3$	23
VII. MgO Samples Sent to AFCRL	31
VIII. NiO Preparations	33
IX. Cr_2O_3 Preparations	36