

OWEN EVANS

MATERIALS AND INTRODUCTION TO PROCESSES

ALMA4000

d. AS STRENGTH IS A KEY CONSIDERATION, JOINING PROCESSES SHOULD BE KEPT LOW AS EACH JOIN WEAKENS THE OVERALL STRENGTH OF THE MATERIAL. WHERE JOINING IS REQUIRED, BROWNE IS PREFERRED AS IT MAINTAINS THE MATERIALS STRUCTURAL INTEGRITY.

THE PART WILL BE TOO LARGE FOR POWDER SINTERING TO BE CONSIDERED. ALTHOUGH CASTING IS CHEAP, IT IS COMPLEX IN NATURE, SO FORGING OF THE PART IS THE MOST LOGICAL CHOICE, ESPECIALLY AS THE PART IS GOING TO BE A SHORT PRODUCTION RUN.

DEFECTS CAUSED DURING FORGING CAN BE