

DATA ITEM DESCRIPTION			Form Approved OMB No 0704-0188	
2. TITLE FORGING MANUFACTURING SKETCH		1. IDENTIFICATION NUMBER DI-FORG-80412		
3. DESCRIPTION/PURPOSE 3.1 The purpose of the sketch is to communicate certain manufacturing and inspection requirements between the contractor and the Government.				
4. APPROVAL DATE (YYMMDD) 870811	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) N/SEA-05M2	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE	
7. APPLICATION/INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format and content preparation instructions for a forging manufacturing sketch generated by the specific and discrete task requirement as delineated in the contract. 7.2 This DID is applicable to the acquisition of forgings for military equipment.				
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS		9b. AMSC NUMBER N4183
10. PREPARATION INSTRUCTIONS 10.1 <u>Format.</u> The data shall be in the form of an engineering sketch with sufficient clarity and detail to show the required content. 10.2 <u>Content.</u> a. Company trademark or symbol. b. Authority signature. c. Date. d. Part name or number. e. Drawing number of applicable part. f. Contract number. g. The shape of the forging at the principle steps in the forging process in sufficient detail to determine the direction of metal flow. h. The shape and dimensions of the as-forged forging showing: (1) The location from which test specimens will be taken. (2) The dimensions of the finished part superimposed on the sketches of the as-forged forging. (3) Location of marking. i. Shape and dimensions of the forging at time of ultrasonic inspection, if specified, and the direction of ultrasonic scanning to achieve coverage of 100 percent of the volume of the forging.				
11. DISTRIBUTION STATEMENT <u>DISTRIBUTION STATEMENT A:</u> Approved for public release; distribution unlimited				