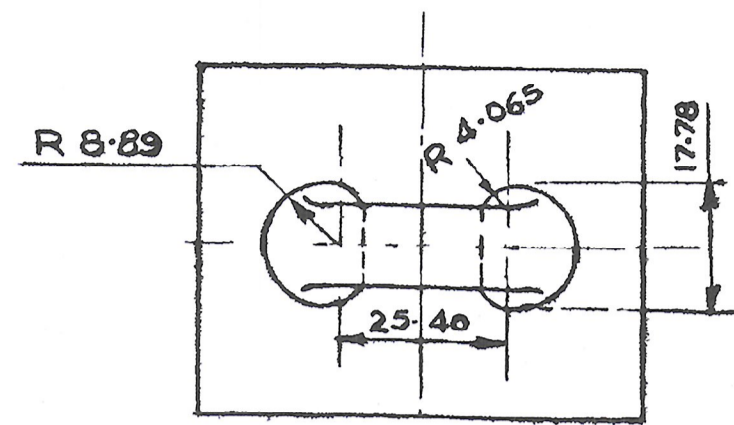
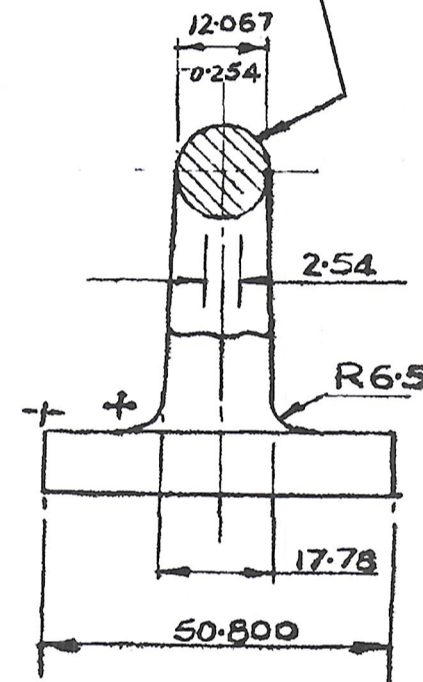
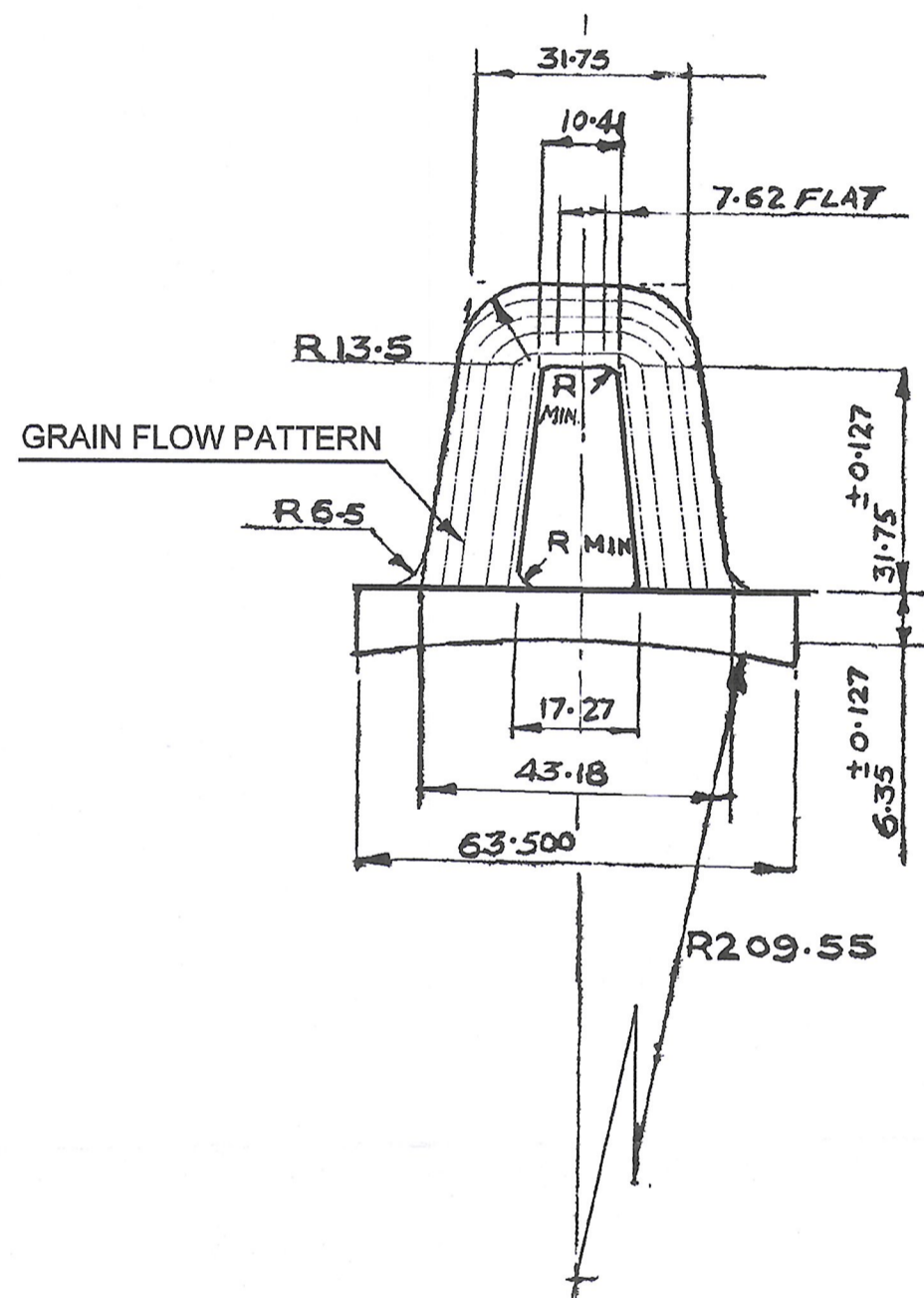


DRG. No
ARM 1302 C5

DRAWING CONVERSIONS ARE BASED ON IS: 696



JOURNAL CROSS SECTION
SHOULD NOT BE LESS
THAN 11.81 ANY WHERE.



NOTES

1. ITEM TO BE FORGED.
2. LUGS TO BE HARDENED & TEMPERED TO GIVE A HARDNESS OF 180 TO 250 V.P.N.
3. CRACK DETECTION :- ALL LUGS SHALL BE FINALLY INSPECTED FOR CRACKS WITH AN APPROVED CRACK DETECTION PROCESS.
4. LOAD TEST :- (a) 2% LUGS SHALL BE LOADED TO DESTRUCTION AND THAT THE MINIMUM FAILING LOAD SHALL BE NOT LESS THEN 6.2 TONNES APPLIED CENTRAL TO THE JOURNAL AND SPREAD OVER 10.41 OF ITS LENGTH IN A DIRECTION PERPENDICULAR TO ITS AXIS AFTER SUITABLY WELDING THE LUG ON TO A BOMB BODY.
- 5 (a) FATIGUE TESTING :- FROM ANY NEW CONTRACT OR NEW CONTRACTOR OR AFTER ANY CHANGE OF MATERIAL SPECIFICATION, DIMENSION, OF MANUFACTURING TECHNIQUE, THE FOLLOWING QUANTITIES OF LUG SHALL BE SUBJECTED TO THIS TEST. THIS FIRST LUG PRODUCED PLUS 2% FROM EACH HEAT TREATMENT (HT) BATCH (MINIMUM 5 FOR EACH OF INITIAL 4 HT BATCHES AND 4 CONSECUTIVE HT BATCHES AFTER ANY REJECTION) SHALL BE SUBJECTED TO A MEAN LOAD OF 2,000 da N WITH AN ALTERNATING LOAD OF ± 1000 da N (MAX. 3000 da N; MIN 1000 da N) AT A FREQUENCY OF 15 TO 25 Hz. RUPTURE MUST NOT OCCUR. MAXIMUM NUMBER OF REVERSALS 50000. THE LOAD SHALL BE APPLIED TO THE JOURNAL FLAT IN A PERPENDICULAR DIRECTION BY SUITABLE ADAPTOR.
(b) ALL LUGS THAT HAVE BEEN SUBJECTED TO FATIGUE TESTING SHALL BE RE-INSPECTED FOR FLAWS BY THE PROCESS DEFINED IN NOTE 2 PRIOR TO SUBMISSION TO DESTRUCTIVE TESTING.

लक्षित विनिर्देशन को निर्देशन के लिए उपयुक्त प्रमाणित
Certified Suitable To Quick Manufacture & Inspected
दिनांक: 19/02/23 Date
हस्ताक्षर: [Signature] Signature
पद: [Post] Rank
कर्मचारी: [Name] Sl. No.
मुख्य विमानिक प्रणाली आश्वासन महानिदेशालय
The Directorate General of Aeronautical Quality Assurance

MARKING TO BE STAMPED ON:-
 † CONTRACTOR'S INITIAL OR RECOGNISED TRADE MARK.
 † DATE OF MANUFACTURE, MONTH AND YEAR. (e.g. 11/71)

R.No.	DATED	AUTHORITY	BRIEF RECORD	ZONE	CD	GO
4	09.02.2023	PARA 7 OF OFM LETTER NO. OAC/24/AC Dt. 28.12.2022	DRG. AMENDED VIDE AL. NO. 01/2023	F-7		

3	21.09.21	CD-6.7	AMENDED VIDE AL. NO. 12/21			
2	27/3/21		RETRACED			
1	6-1-76		AMENDED VIDE AL No 263			
			SEALED	CDM	GO	

DATE	INITIAL	DIMN. ARE IN MM.	D G A Q A MIN OF DEF.
DGN	-	MATL SPEC.	
DRN	-	STEEL IS: 1570 20 Mn 2	
CHD	-	SEC REF NO	
TCD	16/8/21	N K Math's	
COMP	20/8/21	X 6/2	GAUGE SCHD NO
SCALE	1:1		DRG LIST NO ARM 1302
TOL- TOL EXCEPT WHERE OTHERWISE STATED ± 0.25			TITLE - LUG SUSPENSION
			APPROVED [Signature]
			DRG NO. NO 318
			ARM 1302 C5