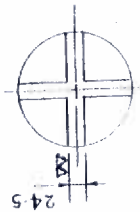
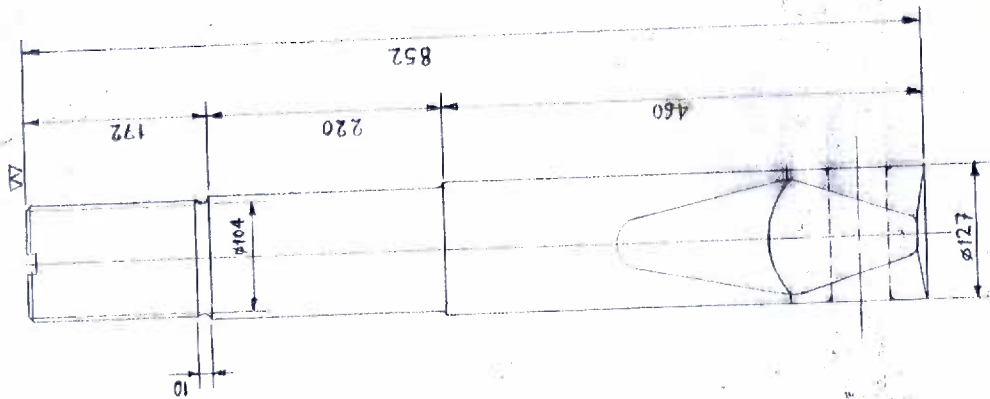
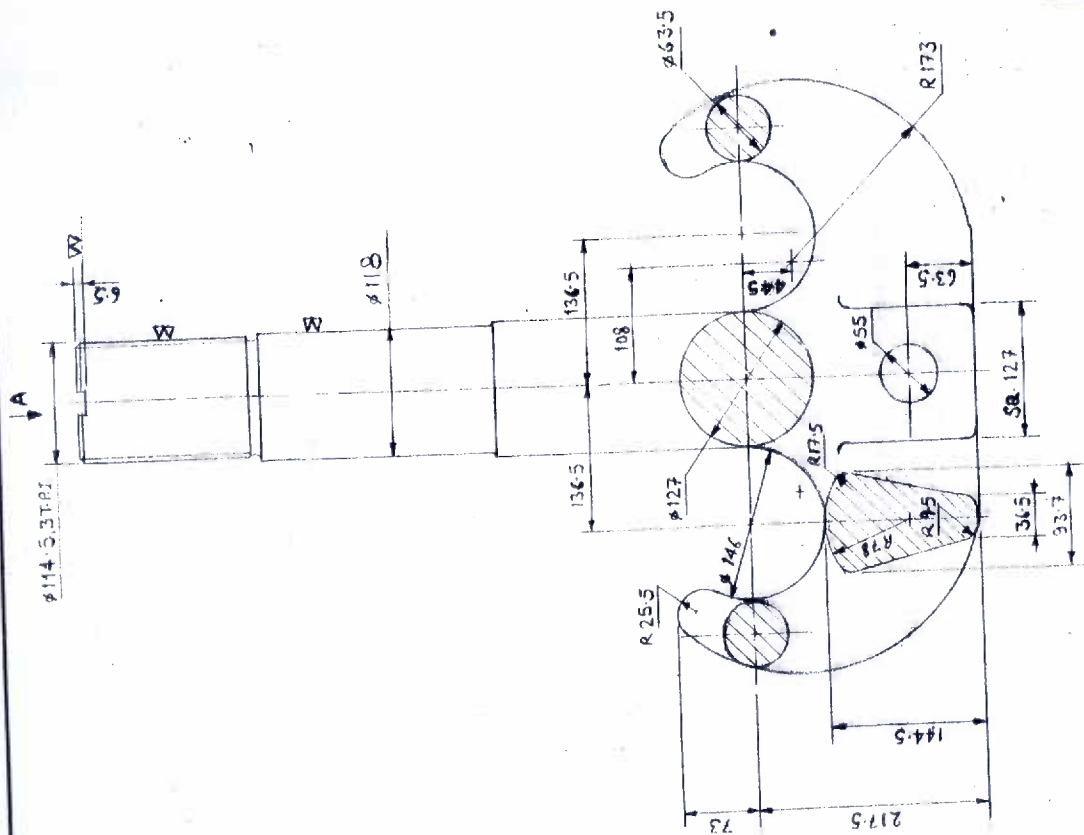


FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm.)



VIEW-A



MATERIAL: EN-3A, BS 970

BHARAT HEAVY ELECTRICALS LTD.
UNIT : CENTRAL FOUNDRY FORGE PLANT.
HARDWAR.



DEPT. DESIGN SCALE 1:5 WEIGHT (KGS) 150.0

TITLE RAMSHORN HOOK 30t

FOR 30/10T W.M.I. EOT CRANE

M FORGE SHOP

DRG. NO. TO BE PUNCHED ON THE ITEM.

REV. DATE ALTERED CHECKED

DRAWN	CHECKED	APPROVED	DRAWING NO.	SHEET NO.	NO OF SHEETS
AMRESH	K. LAL	P. S. SINGH	09.04.011	1	2
DATE	23/6/18				

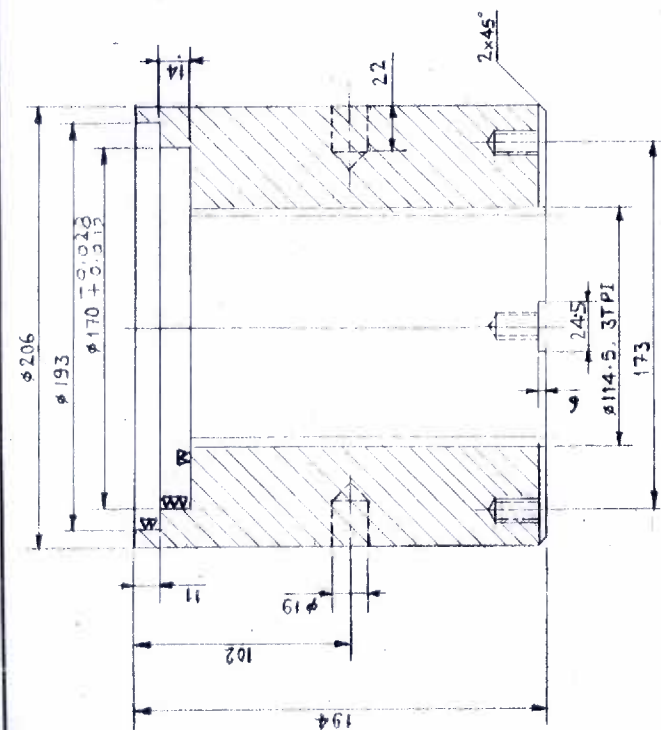
REF. DRG. NO. GC 104D/10 01A

SIGN & DATE

INVENTORY No. FF 8201040112

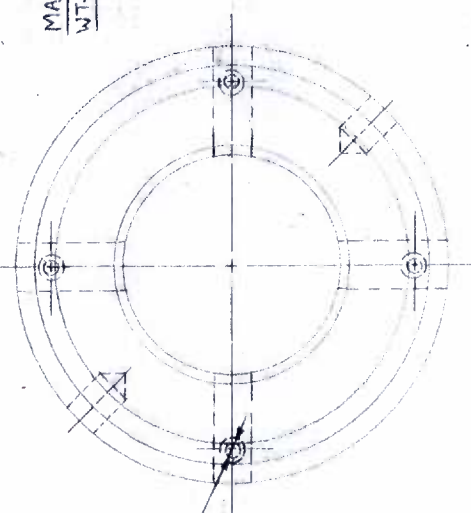
SIZE A3

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm.)



トコ

MATERIAL: STEEL CL2
WT. IN KG: 32.0 KG

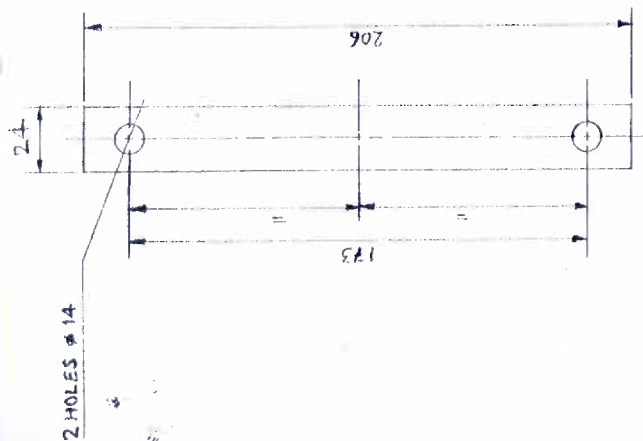
$$\Delta(\Delta, \Delta)$$


4 TAPPED HOLE NO. 12
DEEP 22

REF. DRG. No.
AC. 104D/10-07A

SIGN & DATE

INVENTORY NO. FF8201040112



LOCK PLATE

MATERIAL: ST42S, IS: 226

WT. IN KG. : 0.230

SCALE : 1:2



DOC NO. IS BE PINCHED ON THE ITEM.

BHARAT HEAVY ELECTRICALS LTD.
UNIT : CENTRAL FOUNDRY FORGE PLANT.
HARDWAR.

DEPT.	DESIGN	SCALE	1:5, 1:2	WEIGHT (KGS.)	32.0
TITLE	NUT WITH LOCK PLATE FOR RAMSHORN HOOK 30t FOR 30/101 WMI EOT CRANE				
DRAWN		NAME		SIGN.	DATE
WORKED		ANIREEM		ANIREEM	25/01/06
CHECKED		K LAL		[Signature]	
APPROVED		P S SULTA		[Signature]	25-1-06
DRAWING NO.		09,04,011		REV.	0
SHEET NO.		5		NO OF SHEETS: 7	

SIZE: A3.

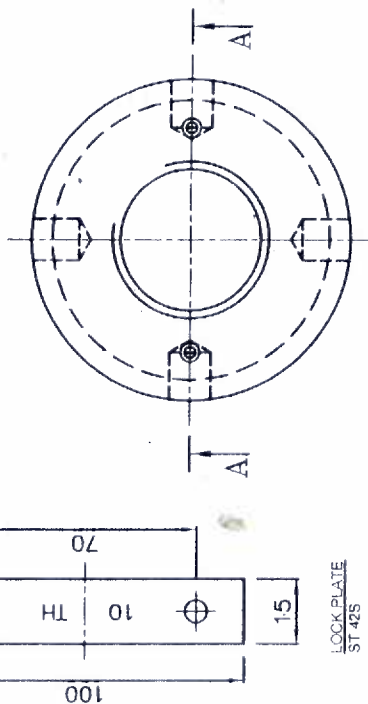
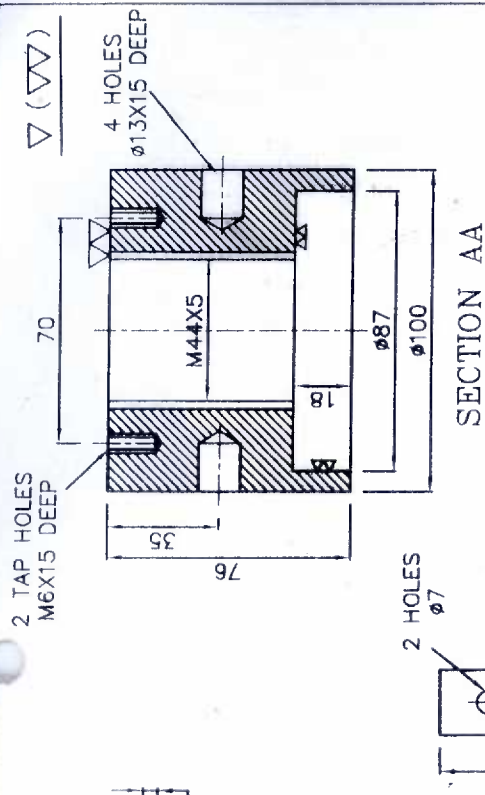
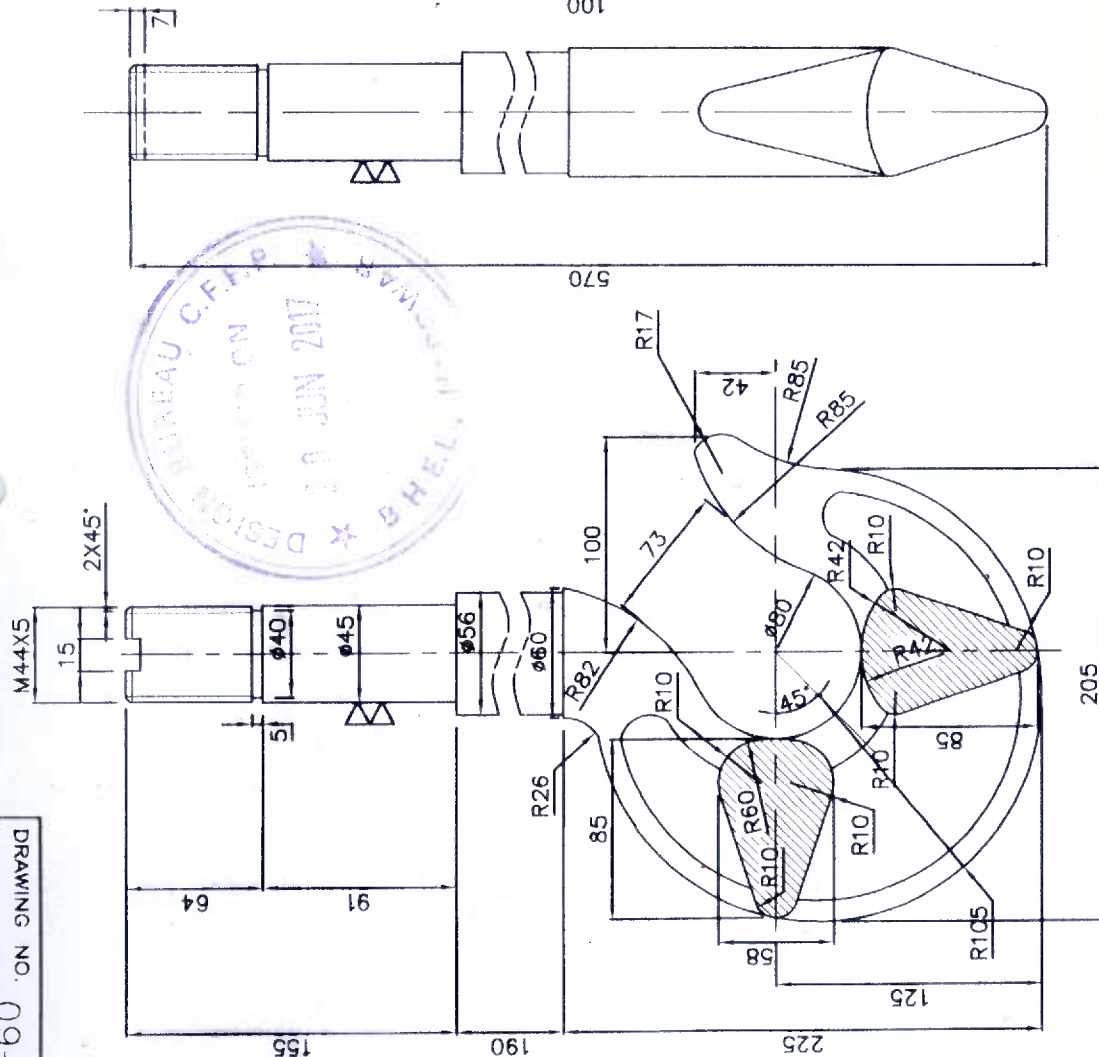
DRAWING NO. 09-23-011

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OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

REF. DRG. NO.

SIGN & DATE

INVENTORY NO. F8201040163



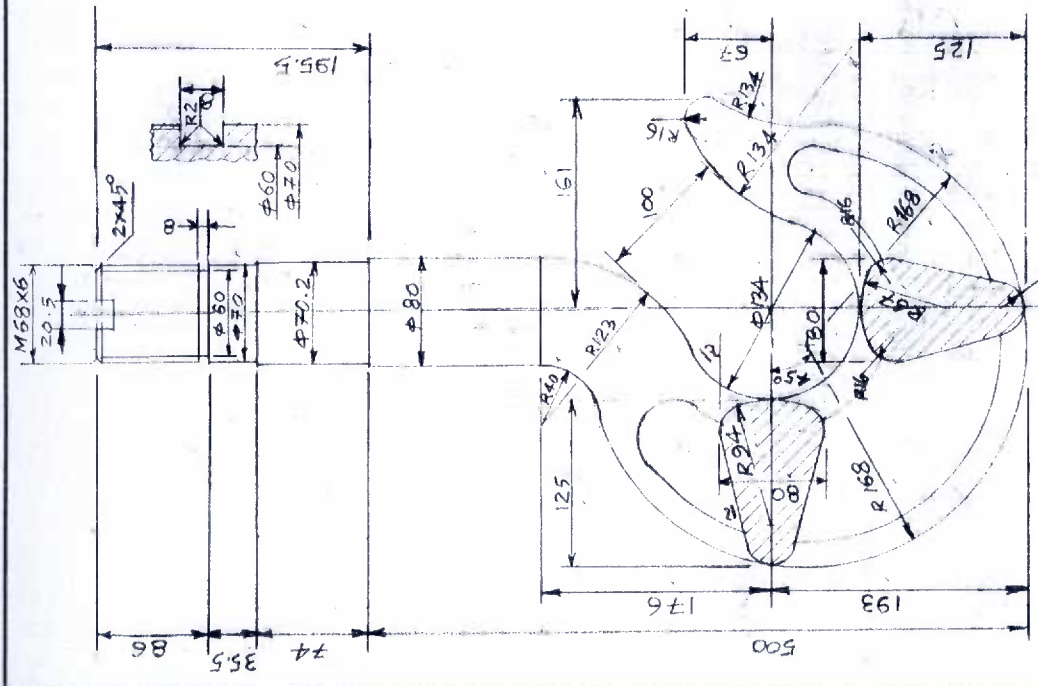
NOTES: —

1. HOOK TO CONFIRM IS : 3815-1969.
2. MATERIAL: -STEEL EN3A/Bs: 970.
3. HOOK TO BE FREE FROM PATENT DEFECTS
& TO BE CLEANLY SHAPED FROM: INGOT/BILLET/BLOOM.
4. HEAT TREATMENT -AS PER IS : 3815-1969.
5. PROOF TESTING AS PER IS : 3815-1969.

[illegible]

SIZE A3

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM)

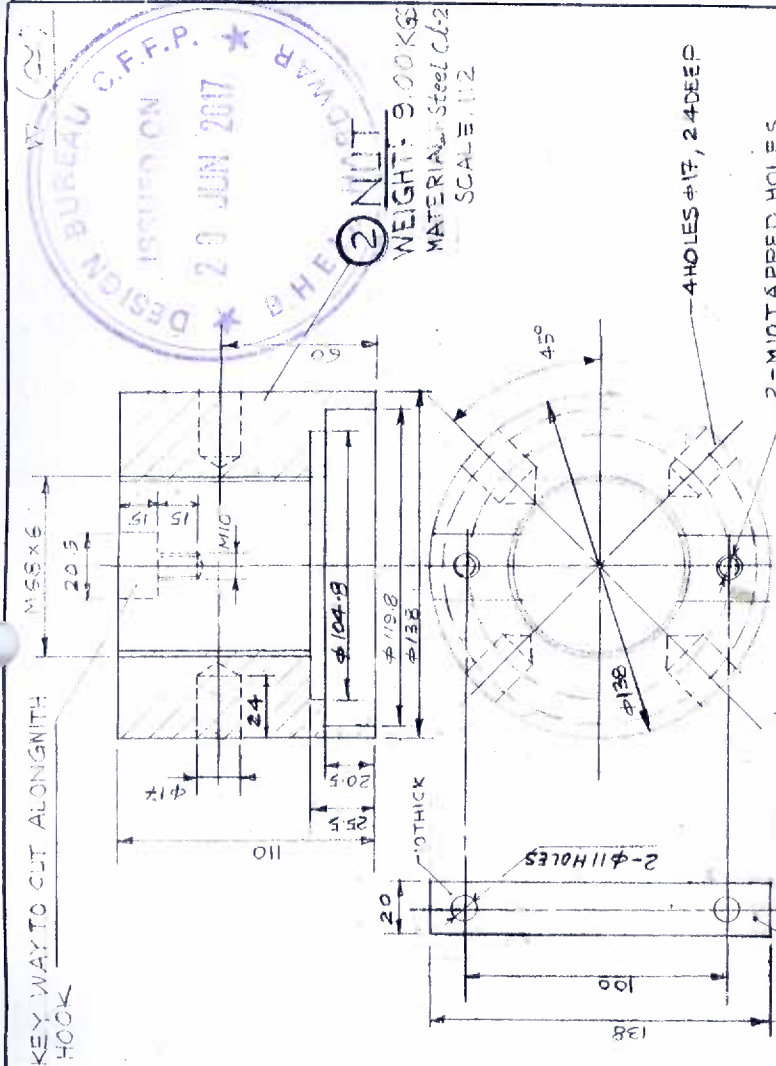


① HOOK

WEIGHT = 35.00 KGS.

LOCK PLATE
MATERIAL - ST 425

IS: 226
WEIGHT = 0.22 KGS
SCALE = 1:2



NOTES:-

- 1. HOOK TO CONFORM IS: 3815-1969
- 2. MATERIAL:- STEEL EN 3A, BS: 970
- 3. HOOK TO BE FREE FROM PATENT DEFECTS & TO BE CLEANLY SHAPED FROM INGOT/BILLET/BLOOM.
- 4. HEAT TREATMENT AS PER IS: 3815-1969.
- 5. PROOF TESTING AS PER AS PER IS: 3815-1969.

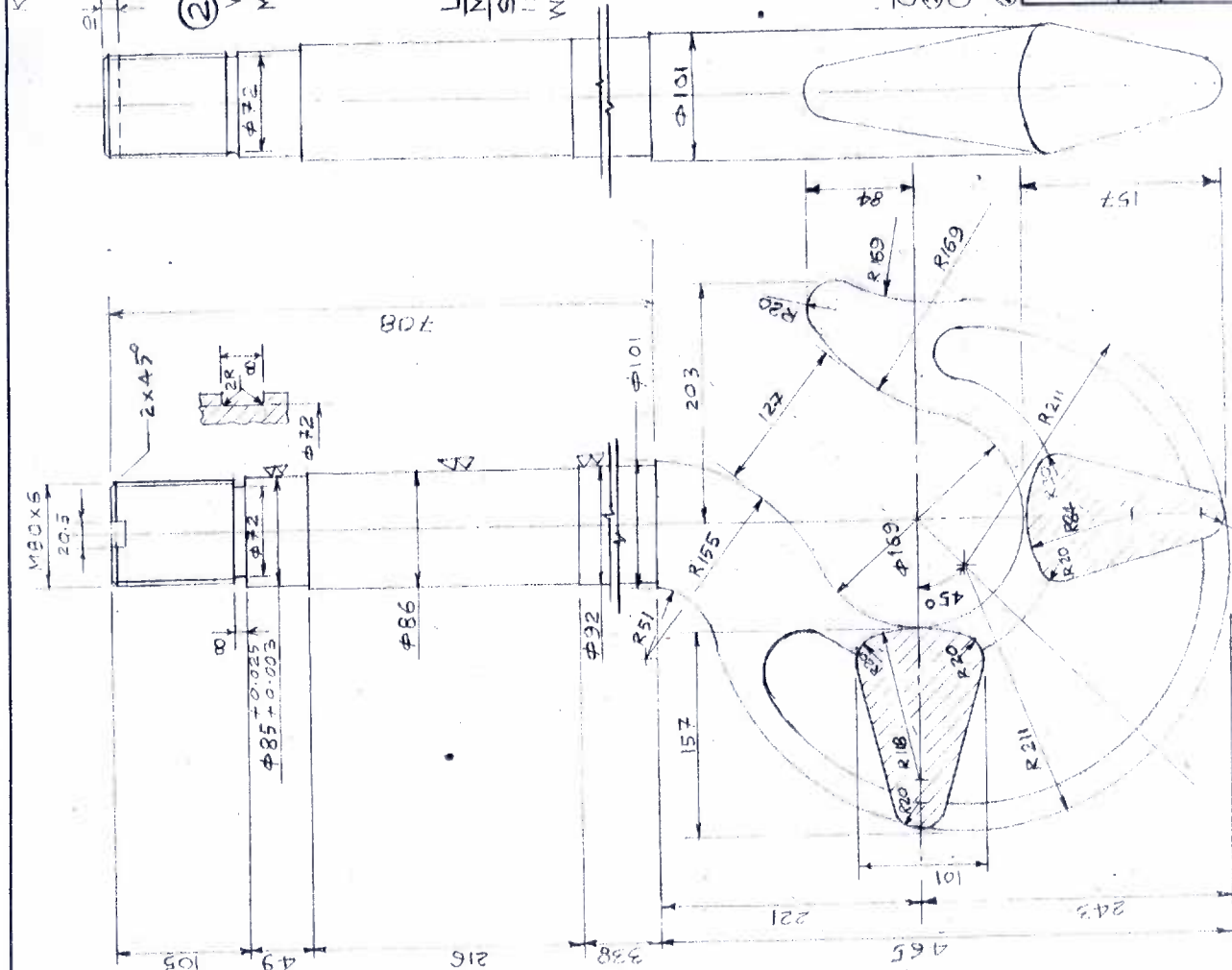
BHARAT HEAVY ELECTRICALS LTD.
UNIT : CENTRAL FOUNDRY FORGE PLANT.

DEPT. DESIGN	SCALE 1:4 (1:2)	WEIGHT (KGS.)	REF. IS: 3815-1969
TITLE	HOOK (1) (2) GARLICK 30/10 TONNE E.O.T. CRANE MACHINE SHOP		
DRAWN	GUPTA M.K.	DATE	01.02.97
WORKED	GUPTA M.K.		
CHECKED	GUPTA P.B.		
APPROVED	GUPTA P.B.		
DRAWING NO.	09.21.021 R0		
SHEET NO.	NO OF SHEETS		

INVENTORY NO
FF8201040155

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②NUT
WEIGHT: 20.00
MAT: STEELCL-2

LOCK PLATE ③
MATERIAL: W
St. 42 S.
15:22 G.
WEIGHT: 0.30

NOTES: 25

① HOOK TO CONFIRM 15:3815-1969

② MATERIAL - STEEL E N 3A, BS:1970.

③ HOOK TO BE FREE FROM PATENT DEFECTS

④ TO BE CLEANLY SHAPED FROM MINGOT/BULLET/BLOOM.

⑤ PROVE TESTING AS PER 15:3815-1969

⑥ TREATMENT AS PER 15:3815-1969

⑦ 4 HOLES PH

⑧ - 20 DEEP

⑨ - 2-MIO TAPPED HOLES

⑩ 15 DEER

BHARAT HEAVY ELECTRICALS LTD.
UNIT : CENTRAL FOUNDRY FORGE PLANT.
HARDWAR.

DEPT. DESIGN BUREAU	SCALE 1:2.5(1:4)	WEIGHT (KGS.)	REF. DRG. JESSOP 22420 LTD PRG. NO. 93366
TITLE HOOK (20 TON) JESSOP 80/20 TONNE E.O.T. CRANE STEEL FOUNDRY			DATE 08.08.57
DIMENSION TO BE CONTROLLED WITHIN LIMITS AS SHOWN, MACHINING TOLERANCE ± 0.25 MM UNLESS OTHERWISE SHOWN, NON MACHINING TOLERANCE $\pm$			DRAWN GUPTA, M.K.
			WORKED GUPTA, M.K.
			CHECKED GUPTA, P.E.
			APPROVED GUPTA, P.E.
			DRAWING NO. 09.15.008
			SHEET NO. 01
			NO. OF SHEETS 01

① Hook WEIGHT = 50 KGS.

15. 5:4:4

SIZE · A3.

INVENTORY NO. FF8201040171

[illegible]

5470

1. REFER DRG. NO. 09.16.007 FOR 10 TONNE
LOCK NUT
2. HOOK GENERALLY TO CONFIRM BS: 3017
3. HOOK TO BE FREE FROM PATENT DEFECTS & TO BE CLEARLY SHAPED
FROM INGOT/BILLET/BLOOM.
4. HEAT TREATMENT AS PER BS: 3017
5. PROOF TESTING AS PER BS: 3017
6. DRG. NO. TO BE PUNCHED ON THE ITEM.

TYPE OF PRODUCT

CR

NAME OF CUSTOMER / PROJECT



BHARAT HEAVY ELECTRICALS LTD.

UNIT: C.F.F.P., HARDWARE.

DEPT.	CODE		SCALE N.T.S.	WEIGHT (KG)	REF. TO ASSY. DRG.	SIGN.	DATE	ITEM NO.
STANDARD SWANK HOOK 10.TONNE								
50/107. JESSOP CRANE ST. FDY.					DRAWN	NAME ASTROK	30-8-72	
					CHECKED			
					APPROVED			
				CARD CODE	DRAWING NO. 09.16.001	1515 REV. 1		
Dimensions to be Controlled Within Limits as Shown							1	
Machining Tolerance + .25 mm Unless Otherwise							4	
Shown, Non Machining Tolerance +								
				SHEET NO. 01			NO. OF SHEETS 1	

MATERIAL ADDED

FF82010078
Inventory No.

Sign. & Date

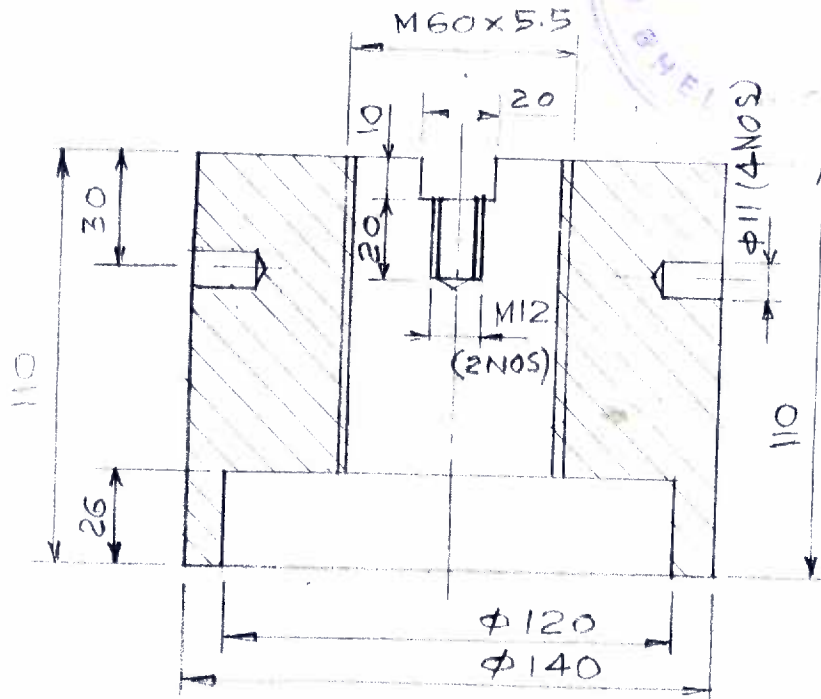
Ref. Drg. No.

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SAMPLE

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm)

REV	DATE	ALTERED	REV	DATE	ALTERED
		CHECKED			CHECKED



7 ALL OVER

Φ13 (TWO HOLES)

10 THICK

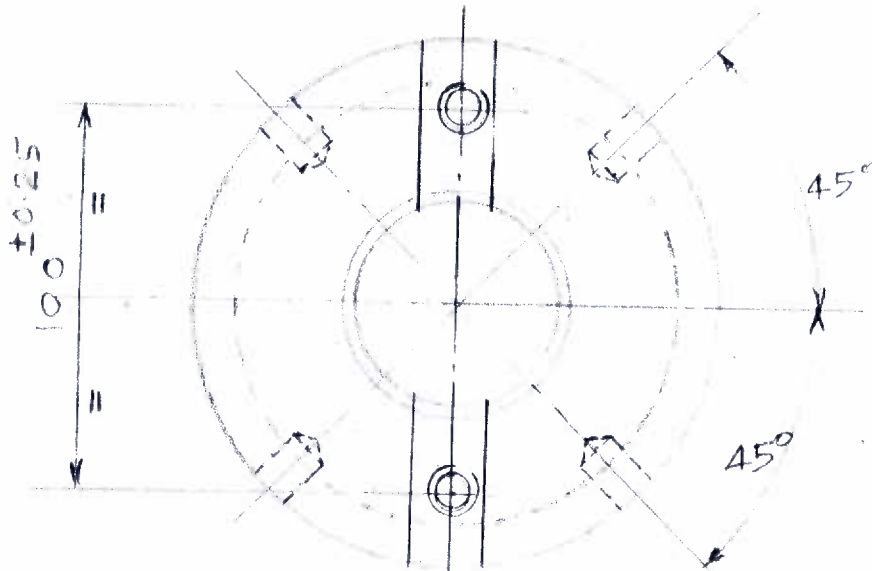
100 ± 0.25

140

20 ± 0.0

② LOCK PLATE
WT. :- 0.22

MATERIAL :-
ST. 42 S, IS: 226



① NUT
WT. :- 9.40

NOTE :- (1) DRG NO. TO BE PUNCHED ON THE ITEM
(2) REFER DRG. NO. 09.16.001 FOR 10 TONNE
HOOK (50/10 TONNE JESSOP CRANE)



BHARAT HEAVY ELECTRICALS LTD.

UNIT: C.F.F.P., HARDWAR.

DEPT.	CODE	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.
DESIGN		1:2	9.40 & 0.22		

NAME	SIGN.	DATE
DRAWN	GUPTA	22.07.99
CHECKED	GUPTA	
APPROVED	GUPTA	31.7.99

Dimensions to be Controlled Within Limits as Shown	CARD CODE	DRAWING NO.	15 16 REV. 17
Machining Tolerance + .25 mm Unless Otherwise Shown. Non Machining Tolerance ±		09.16.007	
	SHEET NO. 01	NO. OF SHEETS. 01	

SAMPLE
Ref. Drg. No.

Sign. & Date

Inventory No.
FF2201010078

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