

SUBJECT	BID SPECIFIC ATC - 20232417
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1.	BHEL Contact (Technical/Commercial):
	For any technical/commercial clarification , please contact Mr. Sandeep, Manager (PPX-TL). e-mail: kumar.sandeep@bhel.in and Mr. Manoj Gaurav , Sr. Manager (PPX-TL) Contact No. 01334-28-5182, e-mail : mgaurav@bhel.in
2.	Acceptance of Offer:
	Bidder's offer shall be considered for evaluation based on Technical and other commercial documents submitted along with bid. Bidder's offer shall be acceptable subject to final acceptance of offer by Indenter. Price bid of those bidders shall be opened whose offer is techno-commercially is acceptable to BHEL (HEEP) Haridwar as per drawing/Specification. Note 01: PO No. &/OR Vendor's emblem/seal shall be clearly punch marked/ETCHED on each item. Note 02: The material is required for Indian Navy Projects.
3.	Splitting of Quantities:
	Quantity of splitting shall be as per GeM (NIT)
4.	Inspection and Test Reports/Certificate
	Third Party/BHEL Inspection is required. Bidder to confirm supply as per TR/QP/General Enclosed
5.	Terms of Delivery:
	Delivery period shall be as per GeM. However, early delivery is also acceptable.
6.	Deviations:
	a) Technical Deviation: No Technical Deviation is envisaged. b) Commercial Deviation: No Commercial Deviation is envisaged. Item are required as per item description/specification mentioned against item. In case of any deviation offer shall be rejected.
7.	Terms of Payment:
	"For Non MSEs bidder: 100% of payment along with taxes, freight & insurance shall be made after receipt and acceptance of material and within 90 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. For Medium Enterprises bidder: 100% of payment along with taxes, freight & insurance shall be made after receipt and acceptance of material and within 60 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. For MSEs bidder: For MSEs (covered under MSME Act) which are registered and periodically renewed with BHEL, the payment shall be made within 45 days or as prescribed in the relevant act. Benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. MSE benefits shall not be provided to Agents / Stockists / Dealers / Traders etc. for the offered items if not manufactured by themselves."

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	Note 01: - Bills shall be submitted to BHEL HEEP Haridwar office for processing along with billing checklist. - It should be ensured that Tax Invoice complies with statutory requirements under GST law to enable BHEL to avail Input Tax Credit. - Payment of GST component shall be made only if vendor has deposited the Tax and credit for the same is reflected in GSTN (GST Network). - Copy of GST Registration Certificate(s) shall be also be attached with Tax Invoice.
8.	Prices: The quoted prices shall be on Firm basis . Price to be quoted as inclusive of GST, i.e., Ex-works including Packing & Forwarding Charges + F&I + GST.
9.	Reverse Auction: Bid to RA is applicable.
10.	Liquidated Damage for delayed Delivery: If the Seller/Service Provider fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever.
11.	Unpriced Bid: Vendor to furnish unpriced bid mentioning "Quoted" against each BOQ line item and % of GST quoted in tender as per Annexure-I .
12.	Details of Bidder: Bidder to submit their complete contact information details as per Annexure-II .
13.	Make in India: For this procurement, the local content to categorize a supplier as Class-I local supplier/ Class-II local supplier/ Non-local supplier and purchase preference to Class-I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 Dtd. 04.06.2020, issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT but before opening of part-II bids against this NIT. "Bidder to specify the percentage of local content as per the format of self-declaration for local content" as per Annexure-III .
14.	Evaluation Criteria: Evaluation shall be done on item wise.
15.	Conflict of Interest: "A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if: i) they have controlling partner (s) in common; - or

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	ii) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or iii) they have the same legal representative/agent for purposes of this bid; or iv) they have relationship with each other, directly or through common third parties, <u>that puts them in a position to have access to information about or influence on the bid of another Bidder;</u> or v) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. <u>However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from. one bidding manufacturer in more than one bid;</u> or vi) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following: 1. The principal manufacturer directly or through one Indian agent on his behalf; and 2. Indian/foreign agent on behalf of only one principal; or vii) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; or viii) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business”.
16.	Risk Purchase:
	In case of abnormal delays (beyond the maximum late delivery period as per LD clause) in supplies / defective supplies or non-fulfillment of any other terms and conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract or under General Law. Action against Bidders / vendor / supplier / contractor in case of default: In order to protect the commercial interests of BHEL, BHEL shall take action against supplies / contractors by way of suspension of business dealings, who either fail to perform or are in default without any reasonable cause, cause loss of business/ money/ reputation, indulge in malpractices, cheating, bribery, fraud or any other misconduct or formation of cartels so as to influence the bidding process or influence the price etc. Suspension of Business Dealings could be in the form of “Hold” or “Banning” a supplier/ contractor or a bidder and shall be as per “Guidelines for Suspension of Business Dealings with Suppliers/ Contractors” available at BHEL’s website “https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors”

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	"The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the firms debarred across BHEL, shall be rejected. The list of firms debarred across BHEL is available on BHEL web site www.bhel.com. 1.0 Integrity commitment, performance of the contract and punitive action thereof: 1.1. Commitment by BHEL: BHEL commits to take all measures necessary to prevent corruption in connection with the tender process and execution of the contract. BHEL will during the tender process treat all Bidder(s) in a transparent and fair manner, and with equity. 1.2. Commitment by Bidder/ Supplier/ Contractor: 1.2.1. The bidder/ supplier/ contractor commits to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India. 1.2.2. The bidder/ supplier/ contractor will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL. 1.2.3. The bidder/ supplier/ contractor will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL. If any bidder/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in malpractices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such bidder/ supplier/ contractor as per extant guidelines of the company available on www. bhel.com and/or under applicable legal provisions".
17.	RXIL (TReDS) Platform:
	BHEL is registered with RXIL (TReDS) platform. MSME bidders are requested to get registered with RXIL (TReDS) platform to avail the facility as per Gol guidelines.
18.	Bidder to submit sealed and signed copy of the following while uploading bid in GeM portal: a) Bid Specific ATC: This document. b) Annexure-I: Unpriced Bid c) Annexure-II: Contact Details of Bidder d) Annexure-III: Local Content Self-Certification e) Annexure-IV: Schedule of Commercial Deviation f) Annexure-V: Schedule of Technical Deviation g) Annexure-VI: PRE-QUALIFYING CONDITIONS h) Annexure-VII: Manufacturing Quality Plan Note: In case of non-receipt of above documents, the bidder is liable for rejection.
19.	All other terms & conditions shall be as per GTC of GeM.

Signature of the authorized representative of

Place :

Date :

Bidder's Name :

Designation :

Company Seal :

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ANNEXURE-I

UNPRICED BID

Sl. No.	Item Description	Unit	Quantity	Item	GST
1.	AAA783000863 DRG: - REV:00 FIXTURE FOR ASSEMBLY OF ACCUMULATOR DRG.NO.-R7830-0086	NO	01	Quoted (Inclusive of GST and Freight & Insurance)	18%
2.	AAA784609918 FIXTURE FOR LOADING TRAY DRG.NO.-R7846-0991	NO	01	Quoted (Inclusive of GST and Freight & Insurance)	18%
3.	AAA787008249 TOOL FOR HOLDING GUN IN RECOILED POSITION DRG.NO.-R7870-0824 REV.-02	NO	01	Quoted (Inclusive of GST and Freight & Insurance)	18%
4.	AAA787008362 TOOL FOR ROUND REMOVAL FROM THE LOADER DRUM DRG.NO.-R7870-0836	NO	04	Quoted (Inclusive of GST and Freight & Insurance)	18%

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5.	AAA787008419 RETAINING PAWLS SPRING ASSEMBLING TOOL. DRG.NO.R7870-0841 REV. 02	NO	01	Quoted (Inclusive of GST and Freight & Insurance)	18%
6.	AAA787008427 BREECH RING INSTALLING & REMOVAL EQUIPMENT. DRG.NO.R7870-0842.	NO	02	Quoted (Inclusive of GST and Freight & Insurance)	18%

Signature of the authorized representative of

Place :

Date :

Bidder's Name :

Designation :

Company Seal :

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ANNEXURE-II

CONTACT DETAILS OF BIDDER

Work Address	
Correspondence Address	
PAN NO.	
GST No.	
Details of contact person for clarification regarding bid:	
Contact Person Name	
Designation	
email ID	
Mobile No.	
Landline No.	

Signature of the authorized representative of

Place :
Date :

Bidder's Name :
Designation :
Company Seal :

ANNEXURE-III

Self-certification as per Government Public procurement order no. P-45021/2/2017-BE-II dt.15.06.2017 & P-45021/2/2017-PP(BE-II) dated 28.05.2018,29.5.2019 & 04.6.2020, it is hereby certifying that we

.....
(supplier name) are(Class-I/Class-II) local supplier and will meet the requirement
of minimum local content of (50%/20%) as defined in public procurement order dated
04.6.2020 for material against Enquiry no.
..... Details of location at which local value
addition will be made is as follows: -
.....

.....
We also understand, false declarations will be in breach of the code of integrity under Rule 175(1) (i)
(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two
years as per Rule 151 (iii) of the general financial rules along with such other actions as may be
permissible under law. Seal & Signature of Supplier

Seal & Signature of Supplier

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ANNEXURE-IV

SCHEDULE OF COMMERCIAL DEVIATION

The following are the deviations/ variations exception from the General Terms and Conditions:

Sl. No.	Clause No. of Terms and Conditions	Statement of Deviation
	Nil Deviation	Nil Deviation

In case, this schedule is not submitted, it will be presumed that the equipment/ material to be supplied under this contract is deemed to be in compliance with the latest General Terms and Conditions of GeM & Bid specific ATC.

If there is **Nil Deviation**, even then the format to be filled as **Nil Deviation**.

Note:

1. Continuation sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.
2. Deviation mentioned in this schedule shall only be considered.

Signature of the authorized representative of

Place :
Date :

Bidder's Name :
Designation :
Company Seal :

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ANNEXURE-V

SCHEDULE OF TECHNICAL DEVIATION

The following are the deviations/ variations exception from the Technical Specifications:

Sl. No.	Clause No. of Technical Specifications	Statement of Deviation
	Nil Deviation	Nil Deviation

In case, this schedule is not submitted, it will be presumed that the equipment/ material to be supplied under this contract is deemed to be in compliance with the Technical Specifications.

If there is **Nil Deviation**, even then the format to be filled as **Nil Deviation**.

Note:

- Continuation sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.
- Deviation mentioned in this schedule shall only be considered.

Signature of the authorized representative of

Place :

Date :

Bidder's Name :

Designation :

Company Seal :

Indent No 20232417			
01.00	PRE QUALIFYING CONDITIONS	REQUIRED	VENDOR'S REMARK
01.01	a). Only those vendors to quote who have experience in machining of mechanical fixtures shall quote. (Authorized channel partner/associates of above OEMs may also quote on their behalf. In such case, valid Authorization Certificate issued by OEM on their letter head is to be furnished with the offer) b.) Vendors to provide satisfactory documentary proof w.r.t experience as mentioned in point 01.01.a) This is required from all the vendors for qualification of their offer.	Vendor to accept/agree and provide details	
01.02	Vendor to provide name, designation and contact details (phone number, email address etc.) of the customer for whom such items at Sl. No01.01.a) are supplied.	Vendor to accept/agree and provide details	
01.03	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/ incorrect, their offers shall be rejected.	Vendor to accept/agree	
02.00	TECHNICAL SPECIFICATIONS	REQUIRED	
02.01	Vendors to confirm that the items quoted shall be as per BHEL drawing only.	Vendor to confirm	


 राजेश कुमार
 अभियन्ता (दूर सूचना)
 श्री.एच.ई.एल.सी, हरिद्वार

 MANUFACTURING QUALITY PLAN													
ITEM : As per Enquiry No						Q.P NO :		TR / QP / GENERAL					
REV :						00							
DRG. NO : As per Enquiry No						DATE		06-02-2017					
PAGE						1 of 1							
HARIDWAR						PACKAGE :				TOOLINGS			
						BHEL HARIDWAR							
SL.NO	COMPONENTS & OPERATIONS	CHARACTERSTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE OF NORMS	FORMAT OF RECORDS	AGENCY		REMARKS		
1	2	3	4	5	6	7	8	9	M	C	11		
1	COMPONENTS AS PER BOM	Chemical Composition	Major	Chemical Analysis	100%	BHEL Drawing	BHEL Drawing	MTC	-	V			
2	FINAL INSPECTION	Visual & Dimensional inspection to be done as per drawing. Check and ensure all dimensions within tolerance mentioned in drg. All technical requirements to be met as mentioned in drg.	Critical	Measurement	100%	BHEL Drawing	BHEL Drawing	Dimension Report	P	W			
		Critical	Visual	100%	BHEL Drawing	BHEL Drawing	Internal Report	P	W				
		Critical	Visual	100%	Drawing	Drawing	Internal Report	P	W				
		Major	Visual	100%	-	-	Internal Report	P	W				
						Packing - Item to be supplied in protected cover to avoid any damage or change in dim during transportation.							
						Properly Done so that item does not suffer any dents or scratches. Protection of Steel surface against any rust / corrosion. Strong suitable packing to withstand any possible careless mis-handling in transportation							
LEGEND :													
M= VENDOR						MANUFACTURER / SUB							
C= BHEL NOMINATED AGENCY / BHEL						CONTRACTOR							
P=PERFORMED BY						PREPARED BY							
V = VERIFIED BY						HARSHIT ANAND /ENGR (TR)							
W= WITNESSED BY						APPROVED BY							
						VAIBHAV BANSAL/ Sr. Mgr (TR)							
						SIGNATURE							

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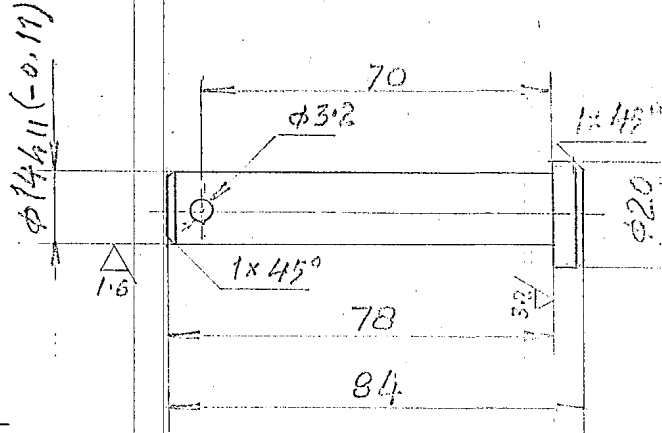
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39A

REV	DATE	ALTERED CHECKED	REV	DATE	ALTERED CHECKED	GMS No. / GR-SP No.	STATUS OF DRG.
						AGREED DEPT.	NAME SIGN DATE

GRADE OF UNTOL. DIM. M/CGC/M/AA0230208 WELDING A/B/C/D AA0621104 GASCUTTING-T3 AA0621101

63/
THE REST



ROUND OFF SHARP EDGES

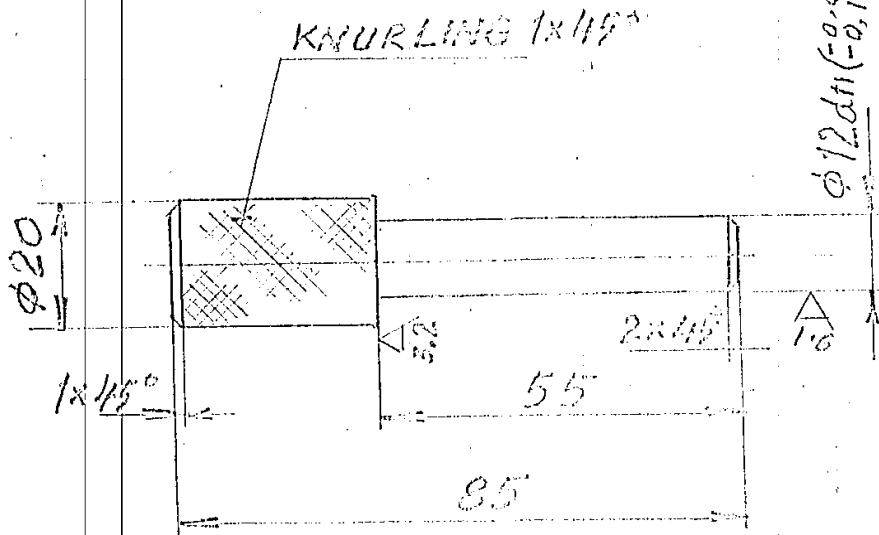
REF DRG No.	C-40		15.5.11		MATERIAL CODE A		UNIT WEIGHT	
	58		65		58		65	
SIGN & DATE	REMARKS	ITEM No.	DESCRIPTION	VAR	MATERIAL SPEC	C	54	55
	65	75	25	27	29	58	59	66
INVENTORY No.	CARD TYPE 3	28	CARD TYPE 1	28	CARD TYPE 2	28	CARD TYPE 2	28
	BHARAT HEAVY ELECTRICALS LTD		HARDWAR		NAME		SIGN	
DEPT. JTE	CODE 209	SCALE 1:1	WEIGHT (kg) 0.16	REF TO ASSY DRG. R7030-0086	ITEM No. 1	No. OF ITEMS 75	No. OF ITEMS 77	No. OF ITEMS 74
	TITLE PIN 14	CARD CODE 3	DRAWING No. R7030-0086/001	SHEET No.	No. OF SHEETS	22	23	24

SIZE A4

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39A

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR. SP. No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME SIGN DATE
GRADE OF UNTOL. DIM. M/CGC/M/FAA0230208						WELDING A/B/C/D AA 0621104	GASCUTTING-T3 AA0621101



ROUND OFF SHARP EDGES

INVENTORY No.	SIGN & DATE	REF DRG. No.	REMARKS		ITEM No.	DESCRIPTION	MATERIAL CODE		UNIT WEIGHT							
			65	75	25	27	29	58	59	32	33	46	45	54	55	56
CARD TYPE 3		28	CARD TYPE 1		28	CARD TYPE 2										
BHARAT HEAVY ELECTRICALS LTD		HARDWAR		DRN		NAME		SIGN		DATE		No. OF VAR.				
CHD		AKS		18/9/94												
APD																
DEPT. JTE		SCALE 1:1		WEIGHT (kg) 0.118		REF TO ASSY DRG. K7830-0086		ITEM No. 3		No. OF ITEMS 75, 77						
CODE 202		TITLE GUIDE PIN		CARD CODE		DRAWING No. K7830-0086/002		REV								
						SHEET No.		No. OF SHEETS								

SIZE A4

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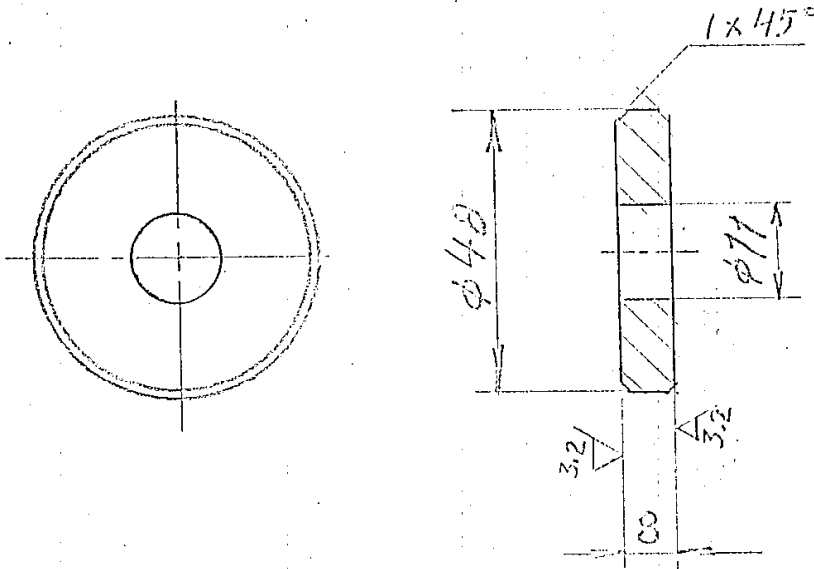
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39A

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR.SP No.	STATUS OF DRG
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
							SIGN
							DATE

GRADE OF UNTOL. DIM. M/CGC/M/FAA 0230208 WELDING A/B/C/D AA 0621104 GASCUTTING-T3 AA0621101

6.3
 THE REST



ROUND OFF SHARP EDGES

REF DRG No.

SIGN & DATE

INVENTORY No.

REMARKS	ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65	75	25 27 29	58	65
CARD TYPE 3	28	CARD TYPE 1	CARD TYPE 2	
BHARAT HEAVY ELECTRICALS LTD		DRN	NAME	SIGN
HARDWAR		CHD	DATE	No. OF VAR.
		APD		
DEPT. JTE	SCALE	WEIGHT (kg)	REF TO ASSY DRG.	ITEM No.
CODE. 209	1:1	0.1	R7830-0086	5
TITLE	DRAWING No		REV	
PACKING	R7830-0086/003		22 23 24	
SHEET No		No OF SHEETS		

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FIRST ANGLE PROJECTION		(ALL DIMENSIONS ARE IN mm)		FORM DG 38(B)																																																																																																																																																																																																								
DRAWING NO R7830-0086/004		6.3 THE REST																																																																																																																																																																																																										
TO BE HARDENED TO HRC 50±60 AS PER INH0912092 2. ROUND OFF SHARP EDGES		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">VAR. 00</td> <td>REMARKS</td> <td>ITEM NO.</td> <td>DESCRIPTION</td> <td>STD</td> <td>DRAWING NO.</td> <td colspan="2">790M112W CY2</td> <td colspan="2">13:1570</td> </tr> <tr> <td>59</td> <td>64</td> <td>65</td> <td>75</td> <td>25</td> <td>27</td> <td>29</td> <td>58</td> <td>59</td> <td>60</td> <td>77</td> </tr> <tr> <td colspan="2">CARD TYPE 3</td> <td>28</td> <td colspan="2">CARD TYPE-1</td> <td colspan="2">20</td> <td colspan="2">CARD TYPE-2</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">GMS NO./GR.SP.NO.</td> <td colspan="2">STATUS OF DRG.</td> <td colspan="2">TYPE OF PRODUCT OR</td> <td colspan="5">NAME OF CUSTOMER / PROJECT</td> </tr> <tr> <td colspan="2">ACCEDED DEPT.</td> <td colspan="2">NAME</td> <td colspan="2">SIGN</td> <td colspan="2">DATE</td> <td colspan="3">NO. OF VAR.</td> </tr> <tr> <td colspan="2">M/CG-6/M/F</td> <td colspan="2">AA 0230208</td> <td colspan="2">Bharat Heavy Electricals Ltd.</td> <td colspan="2">DRN</td> <td colspan="2">NAME</td> <td colspan="2">SIGN</td> </tr> <tr> <td colspan="2">WELDING-A/B/C/D</td> <td colspan="2">AA 0621104</td> <td colspan="2">HARDWAR</td> <td colspan="2">CHD</td> <td colspan="2">APD</td> <td colspan="2">DATE</td> </tr> <tr> <td colspan="2">GAS CUTTING 'T3'</td> <td colspan="2">AA 0621101</td> <td colspan="2"></td> <td colspan="2">APD</td> <td colspan="2"></td> <td colspan="2">1.8.94</td> </tr> <tr> <td colspan="2">REVDATE</td> <td colspan="2">ALTERED</td> <td colspan="2">REVDATE</td> <td colspan="2">ALTERED</td> <td colspan="2">DEPT. JFE</td> <td colspan="2">SCALE</td> </tr> <tr> <td colspan="2">CHECKED</td> <td colspan="2">CHECKED</td> <td colspan="2">CHECKED</td> <td colspan="2">CHECKED</td> <td colspan="2">CODE 209</td> <td colspan="2">WEIGHT (kg)</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">2:1</td> <td colspan="2">0.24</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">REF TO ASSY. DRG.</td> <td colspan="2">ITEM NO</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">R7830-0085</td> <td colspan="2">6</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">DRAWING NO.</td> <td colspan="2">NO. OF SHEETS</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">R7830-0085/004</td> <td colspan="2">23 23, 24</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">SHEET NO.</td> <td colspan="2">NO. OF SHEETS</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table>				VAR. 00		REMARKS	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	790M112W CY2		13:1570		59	64	65	75	25	27	29	58	59	60	77	CARD TYPE 3		28	CARD TYPE-1		20		CARD TYPE-2				GMS NO./GR.SP.NO.		STATUS OF DRG.		TYPE OF PRODUCT OR		NAME OF CUSTOMER / PROJECT					ACCEDED DEPT.		NAME		SIGN		DATE		NO. OF VAR.			M/CG-6/M/F		AA 0230208		Bharat Heavy Electricals Ltd.		DRN		NAME		SIGN		WELDING-A/B/C/D		AA 0621104		HARDWAR		CHD		APD		DATE		GAS CUTTING 'T3'		AA 0621101				APD				1.8.94		REVDATE		ALTERED		REVDATE		ALTERED		DEPT. JFE		SCALE		CHECKED		CHECKED		CHECKED		CHECKED		CODE 209		WEIGHT (kg)										2:1		0.24										REF TO ASSY. DRG.		ITEM NO										R7830-0085		6										DRAWING NO.		NO. OF SHEETS										R7830-0085/004		23 23, 24										SHEET NO.		NO. OF SHEETS													
VAR. 00		REMARKS	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	790M112W CY2		13:1570																																																																																																																																																																																																			
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0-411/6 INVENTORY NO.		0-411/6 SIGN & DATE		0-411/6 REF. DRG. NO.																																																																																																																																																																																																								

SIZE A3

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

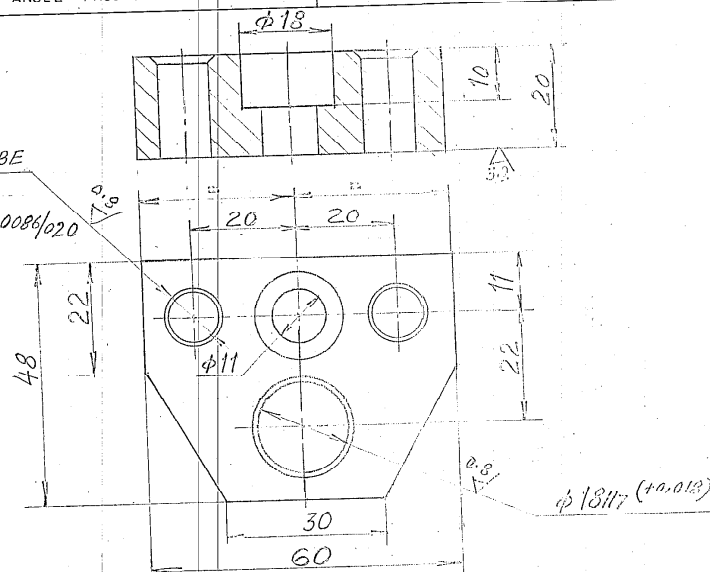
FORM DG 38(B)

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DRAWING NO. R7830-0086/006

6.3 ✓ THE REST

2 HOLES $\phi 10H7 (+0.013)$ TO BE
DRILLED IN ASSLY. WITH
BRACKET DRG. NO. R7830-0086/020



ROUND OFF SHARP EDGES

VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	MATERIAL CODE	UNIT WEIGHT
59	64 65	75 76 77 79	28	58 59 60	77	29 30 31 32 33 34 35 36	50 51 52 53 54 55 56 57 65 66 67 68 69 70 71 72
CARD TYPE 3				CARD TYPE-1			
GMS NO./GR. SP. NO.				TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT			
AGREED DEPT.				NAME SIGN DATE			

GRADE OF UNTOL. DIM. :-
M/CG-C/M/F AA 0230208
WELDING - A/B/C/D AA 0621104
GAS CUTTING - T3 AA 0621101

REV DATE ALTERED
CHECKED

REV DATE ALTERED
CHECKED

DEPT. JTE
CODE 200

SCALE
HTS

WEIGHT (kg)
0.32

REF. TO ASSY. DRG.
R7830-0086

ITEM NO.
10

NO. OF SHEETS
22-23, 24

DRAWING NO.
R7830-0086/006

SHEET NO.
1

NO. OF SHEETS
22-23, 24

SIZE A3

TITLE
PLATE

DRAWING NO.
R7830-0086/006

SHEET NO.
1

NO. OF SHEETS
22-23, 24

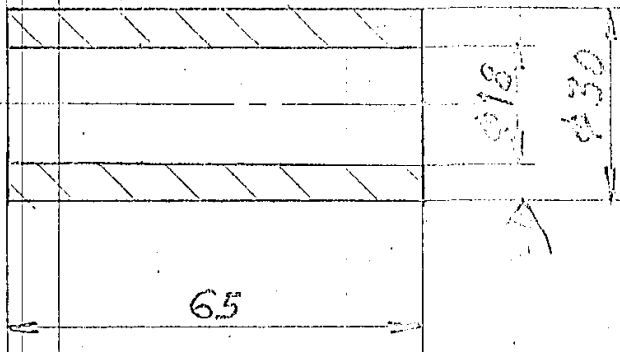
SIZE A3

ELECTRICALS LIMITED IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED CHECKED	REV	DATE	ALTERED CHECKED	GMS No. / GR-SP No.	STATUS OF DRG	
						AGREED DEPT.	NAME	SIGN
GRADE OF UNTCL. DIM. M/CGC/M/FAA0230208						WELDING A/B/C/D AA0621104	GASCUTTING-T3 AA0621101	

6.3 / THE RESTROUND OFF SHARP EDGES

REF. DRG. No.	REMARKS		ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
	65	75	25	27	29	58
SIGN & DATE	CARD TYPE 3		28	CARD TYPE 1	28	CARD TYPE 2
	Bharat Heavy Electricals Ltd.		HARDWAR			
INVENTORY No.	DEPT. JTE	SCALE	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM No.	No. OF ITEMS
	CODE. 209	1:1	0.23	R7830-0085	11	75, 77
TITLE		SPACER		DRAWING No.		
				R7830-0085/001		
				SHEET No.		No OF SHEETS

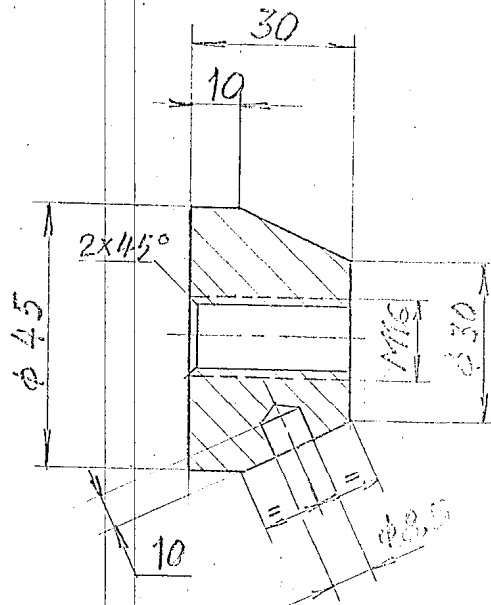
SIZE A4

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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39A

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR-SP No.	STATUS OF DRG
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
						SIGN	DATE
GRADE OF UNTOL. DIM. M/CGC/M/FAA 023020 8						WELDING A/B/C/D AA 0621104	GASCUTTING-T3 AA0621101



6.3 / ALLOWER

ROUND OFF SHARP EDGES

REMARKS	ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65	75 25 27 29	58	59 32 33 46	54 55 56 57 66

CARD TYPE 3	28	CARD TYPE 1	28	CARD TYPE 2
-------------	----	-------------	----	-------------

DEPT. JTE	SCALE	WEIGHT(kg)	REF TO ASSY DRG.	ITEM No.
CODE. 209	1:1	0.2	R7830-0086	12

TITLE	DRAWING No	REV
NUT-M16	R7830-0086/008	22 23 24

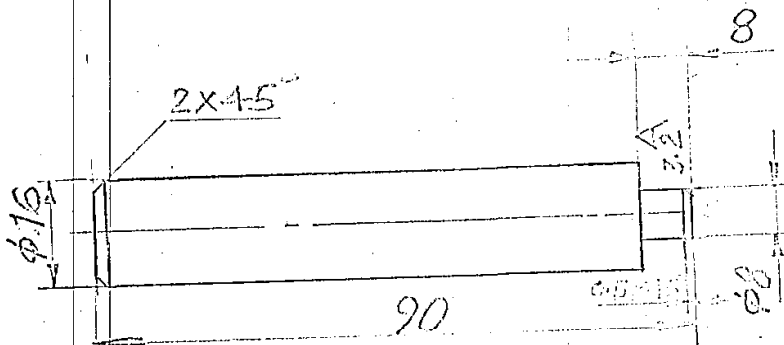
SHEET No	No OF SHEETS

SIZE A4

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR-SP No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME SIGN DATE
GRADE OF UNTOL. DIM. M/CGC/M/FAA 0230208						WELDING A/B/C/D AA 0621104	GASCUTTING-T3 AA0621101



NOTE :-

1. ROUNDED OFF SHARP EDGES.

REF. DRG. No.

SIGN & DATE

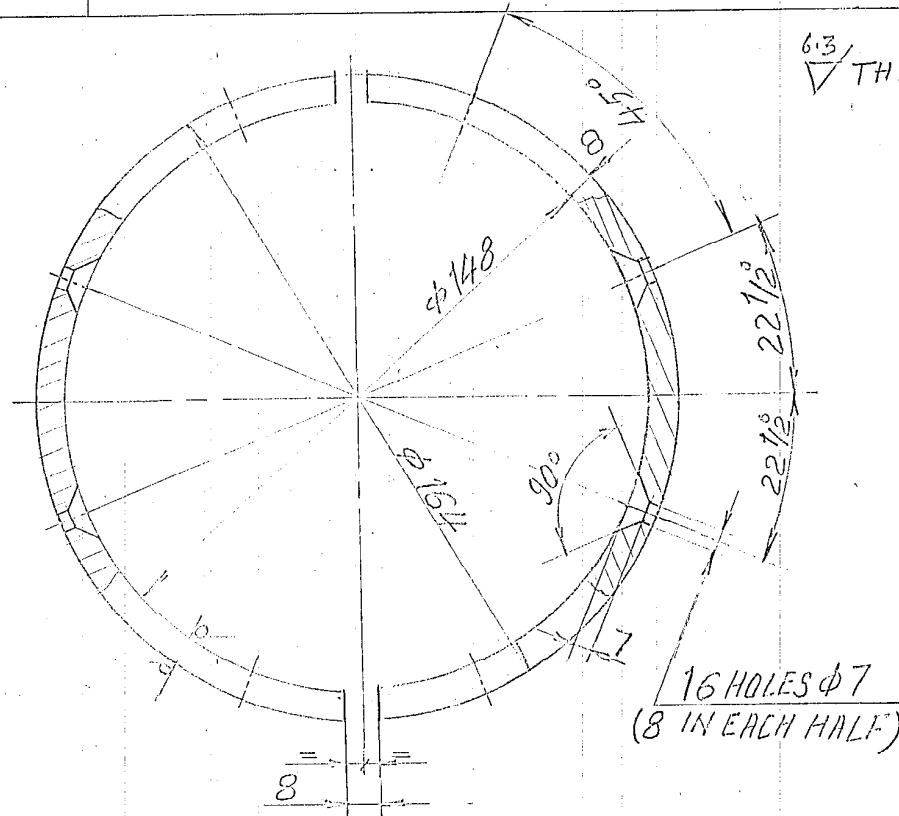
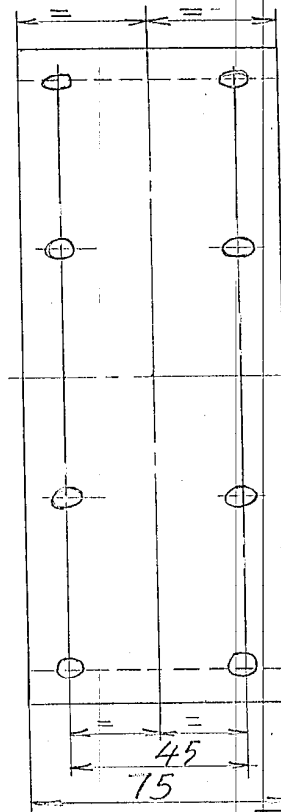
REMARKS		ITEM No.	DESCRIPTION	UNIT WEIGHT
65	75	25	27	29
CARD TYPE 3		28	CARD TYPE 1	28
CARD TYPE 2		28	CARD TYPE 2	28
BHARAT HEAVY ELECTRICALS LTD.		HARDWAR		
DEPT. JTE	SCALE 1:1	WEIGHT (kg) 0.19	REF TO ASSY. DRG. R7830-0086	ITEM No. 14
CODE. 203				
TITLE HANDLE		DRAWING No. R7830-0086/009		No. OF SHEETS 22, 23, 24
		SHEET No.		No. OF SHEETS

SIZE A4

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG38(B)

DRAWING NO.
R7830-0086/011

REF. DRG. NO.

SIGN & DATE

INVENTORY NO.

1. DEVELOPED LENGTH ~ 500mm.

2. RING TO BE CUT IN TWO HALVES
AFTER BENDING.

3. ROUND OFF SHARP EDGES.

GRADE OF UNTOL. DIM.

M/CG-2/M/F AA 0230208

WELDING - A/B/C/D AA0621104

GAS CUTTING 'T3' AA 0621101

REV DATE

ALTERED

CHECKED

REV DATE

ALTERED

CHECKED

GMS NO./GR. SP. NO.

STATUS OF DRG.

TYPE OF PRODUCT

OR

NAME OF CUSTOMER / PROJECT

AGREED

DEPT.

NAME

SIGN

DATE

BHARAT HEAVY ELECTRICALS LTD.
HARDWARE

NAME

SIGN

DATE

NO. OF

VAR.

73/74

DEPT. JTE

SCALE

WEIGHT (kg)

REF. TO ASSY. DRG.

ITEM

NO. OF

ITEMS

75/77

TITLE

RING
(IN TWO HALVES)

DRAWING NO.

R7830-0086/011

SHEET NO.

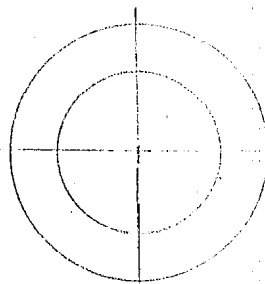
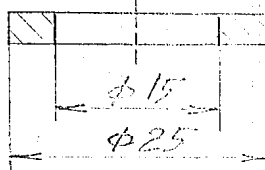
NO. OF SHEETS

SIZE A3

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FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR-SP No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
							SIGN
							DATE
GRADE OF UNTOL. DIM. M/CGC/M/FAA 0230208						WELDING A/B/C/D AA 0621104	GASCUTTING-T3 AA 0621101



ROUND OFF SHARP EDGES

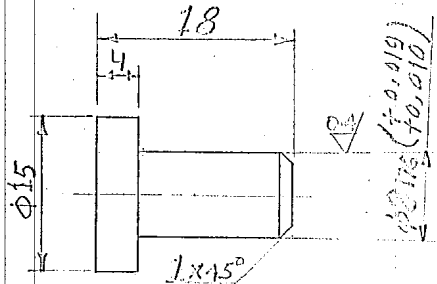
REMARKS		ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65	75	25	27	29	58
CARD TYPE 3		28	CARD TYPE 1	CARD TYPE 2	71
BHARAT HEAVY ELECTRICALS LTD.		HARDWAR		NAME	SIGN
DEPT. JTE		SCALE	WEIGHT(kg)	REF TO ASSY. DRG.	ITEM No.
CODE. 209		2:1	0.007	R1030-0086	17
TITLE		WASHER		DRAWING No.	No OF SHEETS
				R1030-0086/012	22 23 24
				SHEET No.	No OF SHEETS

SIZE A4

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED CHECKED	REV	DATE	ALTERED CHECKED	GMS No. / GR.SP. No.	STATUS OF DRG.	
							APPROVED DEPT.	NAME
							SIGN	DATE
GRADE OF UNTOL. DIM. M/CGC/M/FAA 0230208						WELDING A/B/C/D AA 0621104	GASCUTTING-T3 AA0621101	

63/
THE REST

NOTE:-

1. ROUNDED OFF SHARP EDGES.

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INVENTORY No. 0-4176	REF. DRG. No.			C-40						
	SIGN & DATE	REMARKS	ITEM No.	DESCRIPTION	STD	29 31 34	MATERIAL CODE	A	UNIT WEIGHT	
		65	75 25 27 29	58 59	VAR	32 33 46	MATERIAL SPEC.	C	54 55 56 57 66	71
		CARD TYPE 3	28	28	CARD TYPE 1	28	CARD TYPE 2			
		BHARAT HEAVY ELECTRICALS LTD. HARDWAR		DRN	S. KUMAR	SIGN	DATE	No. OF VAR.		
		DEPT. JTE	SCALE	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM No.	No. OF ITEMS			
		CODE 209	2:1	0.98	R7830-0086	18	75 77			
		TITLE	PIN		DRAWING No.	R7830-0086/013				
					SHEET No.	No OF SHEETS				

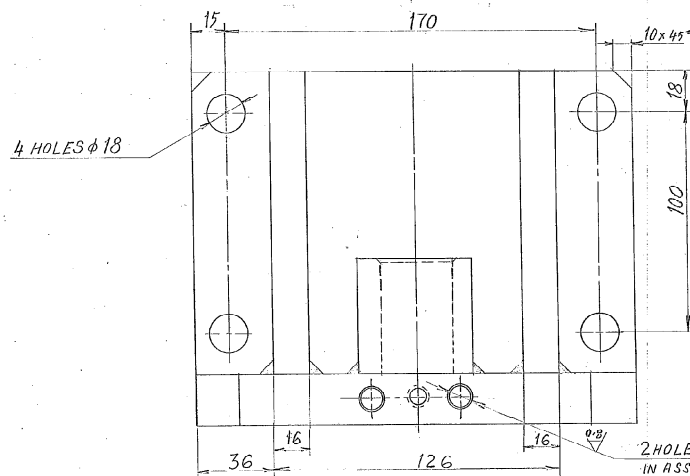
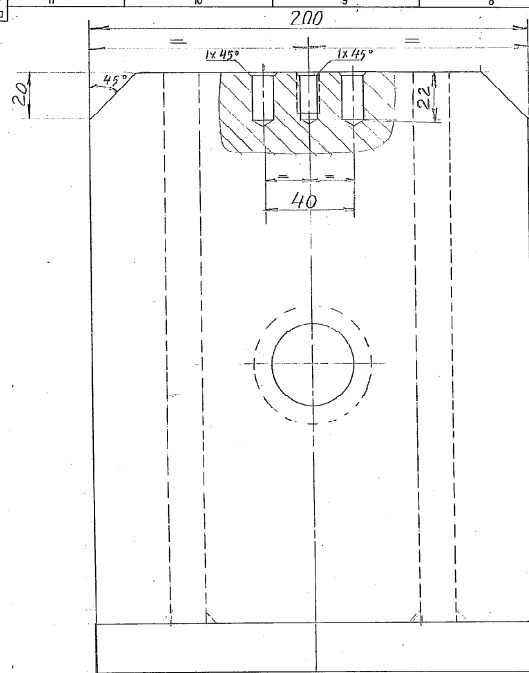
SIZE A4

FIRST ANGLE PROJECTION

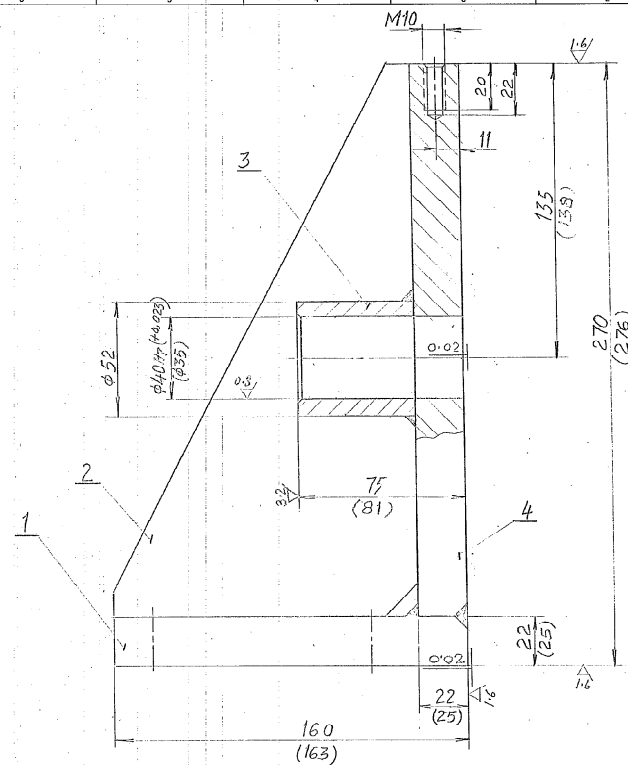
(ALL DIMENSIONS ARE IN mm.)

FORM UG 45(1)

DRAWING NO. R7830-0086/020



2 HOLES φ 10H7 (+0.015) TO BE DRILLED
IN ASSLY WITH PLATE, DRG. NO R7830-0086/006



1. ALL WELDING SEAMS ARE 8mm THICK
2. STRESS RELIEVING TO BE DONE AFTER WELDING AS PER HW0641099.
3. ROUND OFF SHARP EDGES

VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	VAR. 01	MATERIAL SPEC.	UNIT WEIGHT
4	SIDE PLATE	R7830-0086/020	FE 410S	10-0			
3	BLOCK	R7830-0086/023	FE 410S	0-6			
2	RIB	R7830-0086/022	FE 410S	2-3			
1	BASE PLATE	R7830-0086/021	FE 410S	6-1			

GMS NO./OR. SP. NO.	NAME	SIGN	DATE	TYPE OF PRODUCT	OR	NAME OF CUSTOMER / PROJECT
28				TYPE OF PRODUCT		

DEPT.	SCALE	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF SHEETS
JTE	1:1	21.5	R7830-0086	1	1

NAME	SIGN	DATE	NO. OF SHEETS
SHARAT HEAVY ELECTRICALS LTD.			1

DRAWING NO.	SHEET NO.	NO. OF SHEETS
R7830-0086/020	1	1

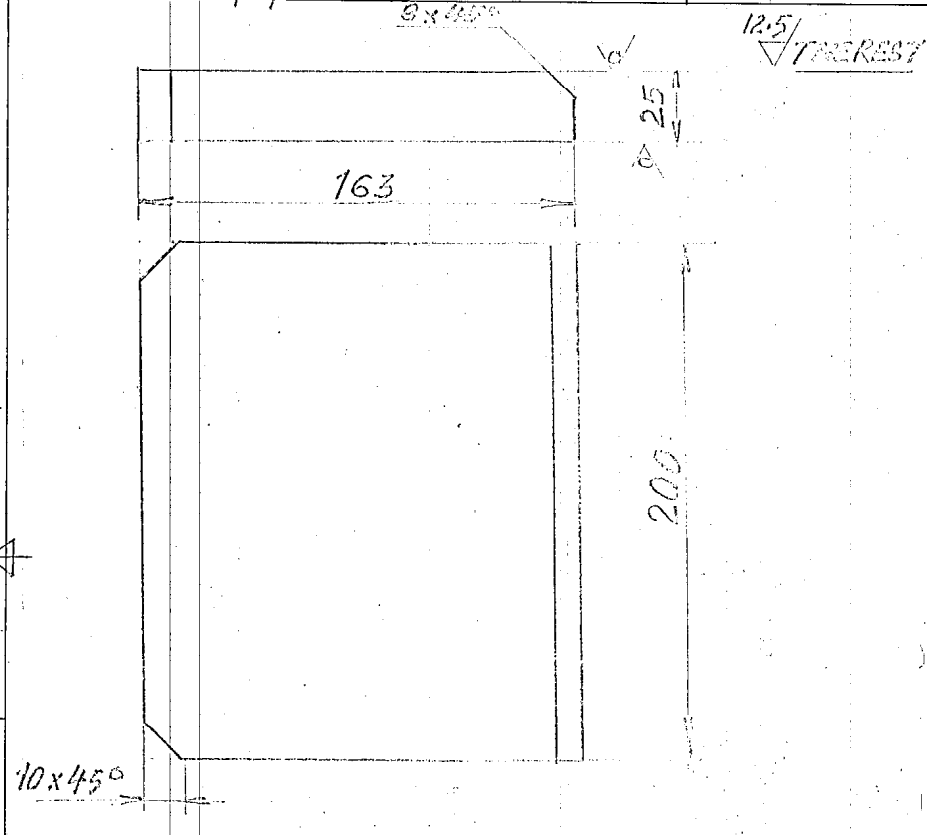
SIZE A1

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0-4176

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR-SP No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
							SIGN
							DATE
GRADE OF UNTOL. DIM. M/CGT/M/FAA 0230208						WELDING A/B/C/D AA 0621104	GASCUTTING-T3 AA 0621101



REMARKS		ITEM No.	DESCRIPTION	STD	29	31	34	MATERIAL CODE	A	UNIT WEIGHT
65		75	25	27	29	58	59	VAR	45	65
CARD TYPE 3		28	CARD TYPE 1	28	CARD TYPE 2	28	CARD TYPE 2	54	55	56
SIGN & DATE		BHARAT HEAVY ELECTRICALS LTD.		DRN	NAME	SIGN	DATE	No. OF VAR.		
CODE. 202		HARDWAR		CHD	AKS/GAR	1.8.99		73	74	
INVENTORY No.		DEPT. JTE	SCALE	WEIGHT (kg)	REF TO ASSY. DRG.	ITEM No.	No. OF ITEMS			
		202	1:2	6.3	R7830-0086/020	1	75	77		
TITLE		BASE PLATE		DRAWING No.		R7830-0086/021				
				SHEET No.		No OF SHEETS				

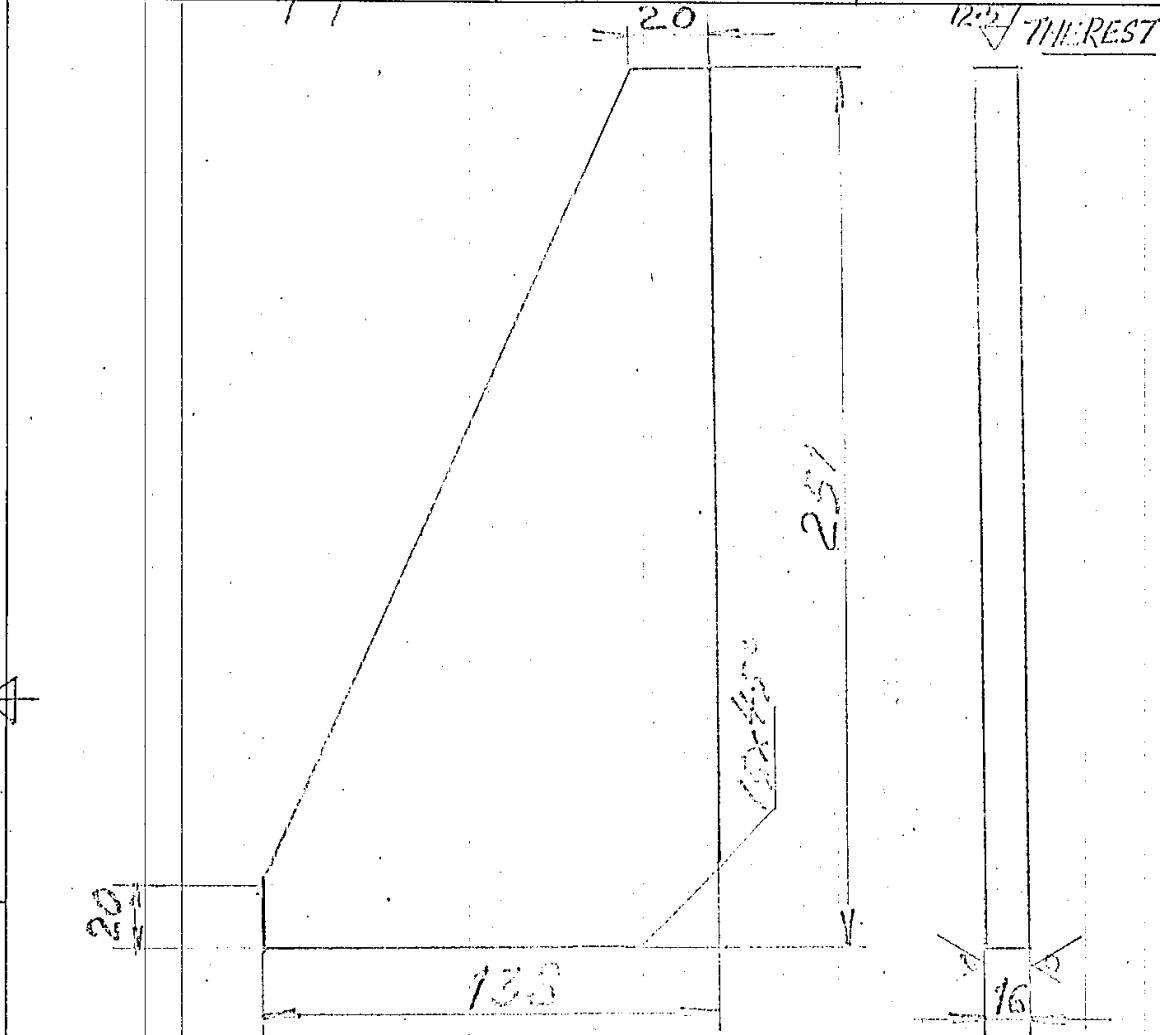
SIZE A4

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR.SP. No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME SIGN DATE

GRADE OF UNTOL. DIM. M/CGC/M/FAA 0230208 WELDING A/B/C/D AA 0621104 GASCUTTING-T3 AA0621101



REMARKS	ITEM No.	DESCRIPTION	STD	29	31	34	MATERIAL CODE	A	UNIT WEIGHT
65	75	25	27	29	58	59	VAR	MATERIAL SPEC.	C
CARD TYPE 3	28	28	CARD TYPE 1	28	CARD TYPE 2	28			
BHARAT HEAVY ELECTRICALS LTD.		HARDWAR		DRN	NAME		SIGN	DATE	No. OF VAR.
DEPT. JTE		SCALE 1:2		CHD	APD		REF TO ASSY. DRG.		ITEM No.
CODE 209		WEIGHT (kg) 2.3		DRAWING No.		R7830-0085/020		2	
TITLE RIB		SHEET No.		No OF SHEETS		22		23, 24	

SIZE A4

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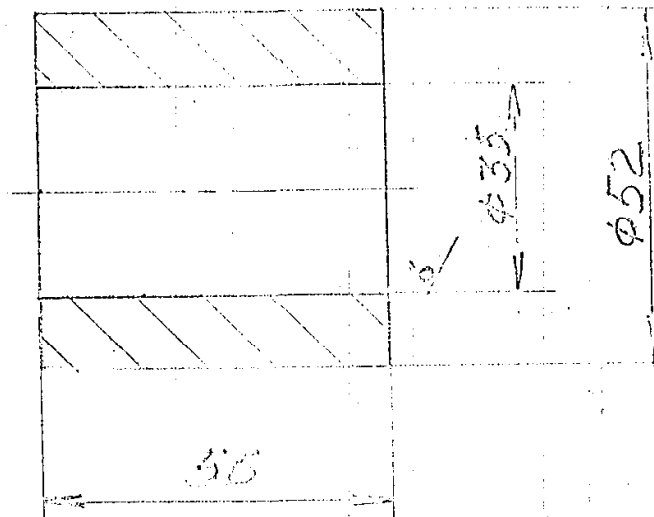
0-4116

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR-SP No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
						SIGN	DATE

GRADE OF UNTOL. DIM. M/CGC/M/FAA 0230208 WELDING A/B/C/D AA 0621104 GASCUTTING-T3 AA 0621101



REF. DRG. No.

SIGN & DATE

INVENTORY No.

REMARKS

ITEM No.

DESCRIPTION

STD

VAR

MATERIAL CODE

MATERIAL SPEC.

A

C

UNIT WEIGHT

58

65

66

71

CARD TYPE 3

28

CARD TYPE 1

28

CARD TYPE 2

BHARAT HEAVY ELECTRICALS LTD.
HARDWAR

DRN

CHD

APD

NAME

SIGN

DATE

No. OF VAR.

73

74

DEPT. JTE

CODE. 202

SCALE

1:1

WEIGHT(kg)

0.6

REF TO ASSY. DRG.

ITEM No.

No. OF ITEMS

75

77

TITLE

BLOCK

1

3

DRAWING No.

R7830-0086/025

SHEET No.

No OF SHEETS

22

23

24

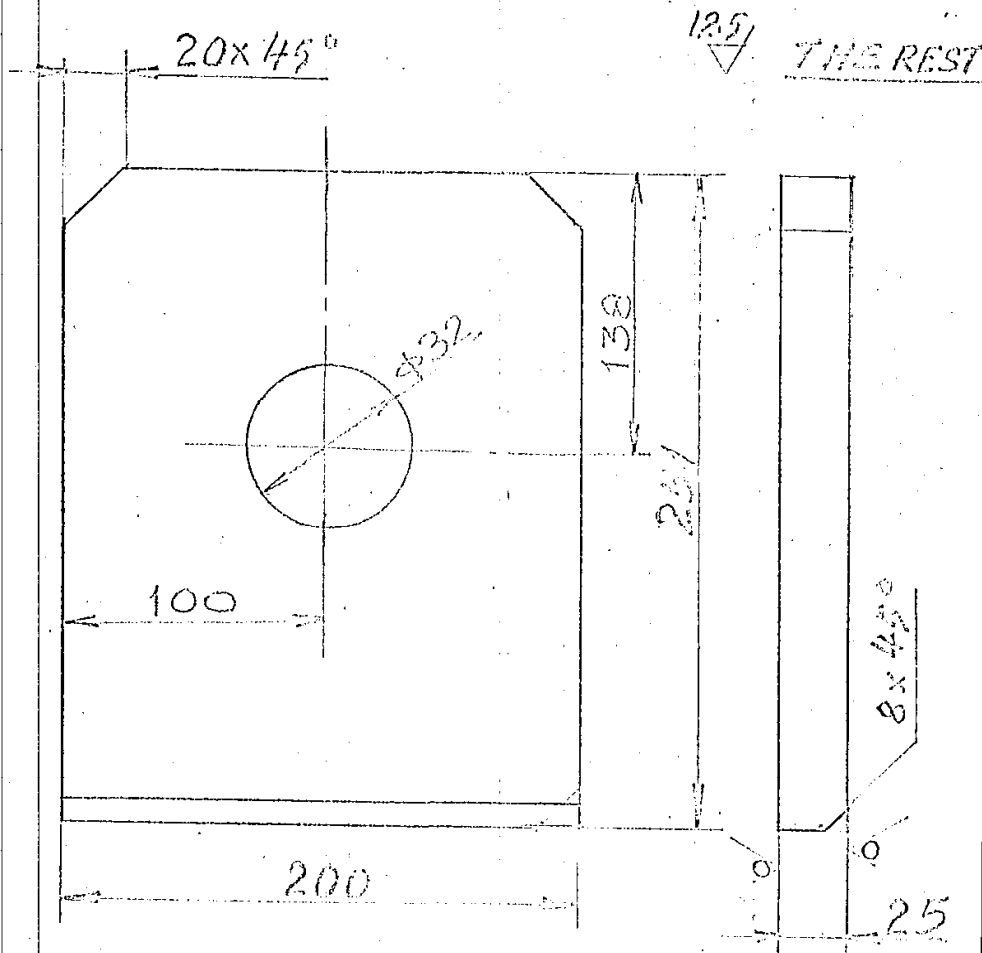
SIZE A4

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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR.SP. No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
						SIGN	DATE
GRADE OF UNTOL. DIM-M/CGC/M/FAA 0230208						WELDING A/B/C/D AA 0621104	GAS CUTTING-T3 AA 0621101



REMARKS		ITEM No.	DESCRIPTION	STD	29	31	34	MATERIAL CODE	A	UNIT WEIGHT	58	65
CARD TYPE 3		28	CARD TYPE 1	58	59	32	33	MATERIAL SPEC.	C	54	55	66
CARD TYPE 2		28	CARD TYPE 2	58	59	32	33	MATERIAL SPEC.	C	54	55	66
DEPT. JTE		CODE 209	SCALE 1:2.5	WEIGHT (kg) 10.0	REF TO ASSY. DRG. R7830-0036/020				ITEM No.	73	74	77
TITLE		SIDE PLATE			DRAWING No. R7830-0036/024				SHEET No. No OF SHEETS			

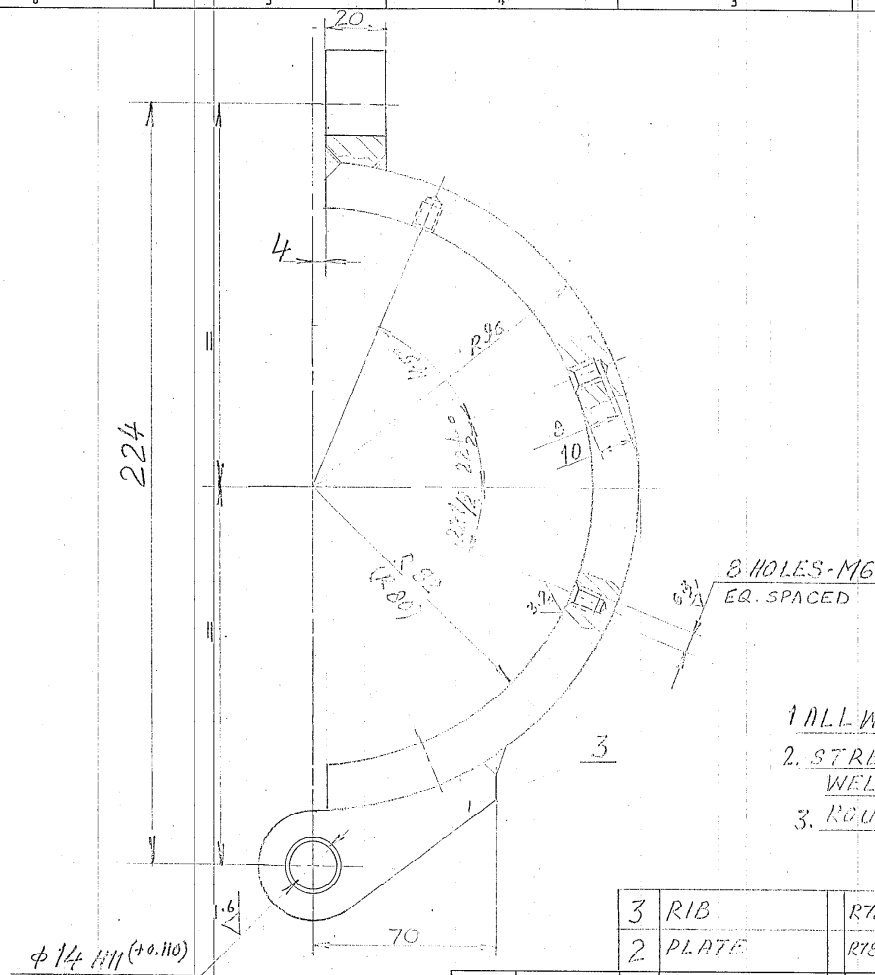
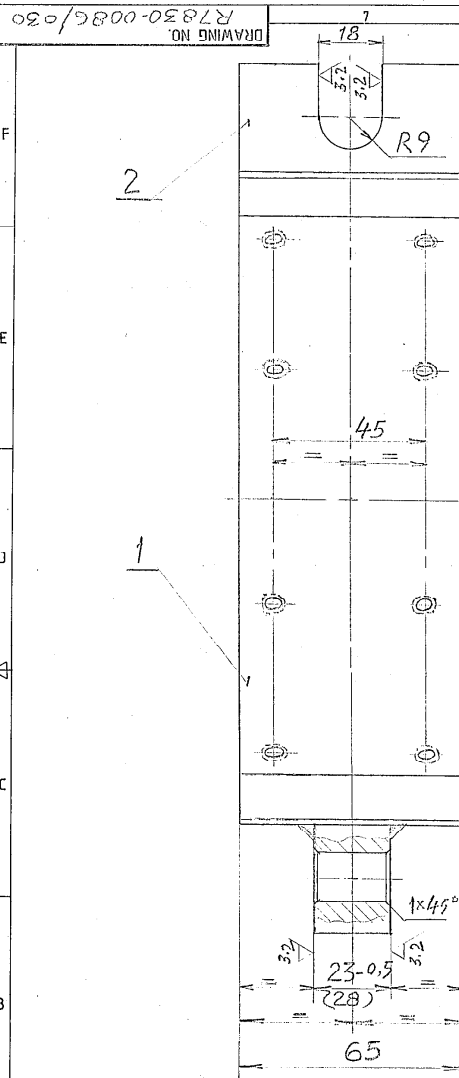
SIZE A4

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN mm)

FORM DG 44(B)

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INVENTORY NO. SIGN & DATE REF. DRG. NO.



1. ALL WELDING SEAMS ARE 6mm THICK
 2. STRESS RELIEVING TO BE DONE AFTER WELDING AS PER IIWOG 1099.
 3. ROUND OFF SHARP EDGES

3	RIB	R7830-0086/033	Fe 410W IS: 2062	0.45	1		
2	PLATE	R7830-0086/032	Fe 410W IS: 2062	0.25	1		
1	HALF RING	R7830-0086/031			24		

VAR.00 59	REMARKS 64	ITEM NO 75	DESCRIPTION 29	DRAWING NO. 58	29,31 32,33	MATERIAL CODE 54	UNIT WEIGHT 58	ZONE 65
CARD TYPE - 3 → 28				28 → CARD TYPE - 1		28 → CARD TYPE - 2		
GMS NO. / GR. SP. NO.				STATUS OF DRG.		TYPE OF PRODUCT OR		
AGREED DEPT	NAME	SIGN	DATE	NAME OF CUSTOMER / PROJECT				
GRADE OF UNTOL. DIM. :-				BHARAT HEAVY ELECTRICALS LTD. HARDWAR				
M / CG - 2 / M / P AA 0230208				DRN CHD APD				
WELDING-A/B/C/D-AA 0621104				NAME SIGN DATE				
GAS CUTTING-T3' AA 0621101				NO. OF VAR.				
REV.	DATE	ALTERED CHECKED	REV.	DATE	ALTERED CHECKED	DEPT. 17	SCALE 1:1	WEIGHT (kg.) 3.2
ZONE			ZONE			REF. TO ASSY. DRG. R7830-0086	ITEM NO. 11	NO. OF SHEET 23/24
TITLE HINGE (WELDED & MACHINED)						DRAWING NO. R7830-0086/030		
						SHEET NO. 1		

SIZE A2

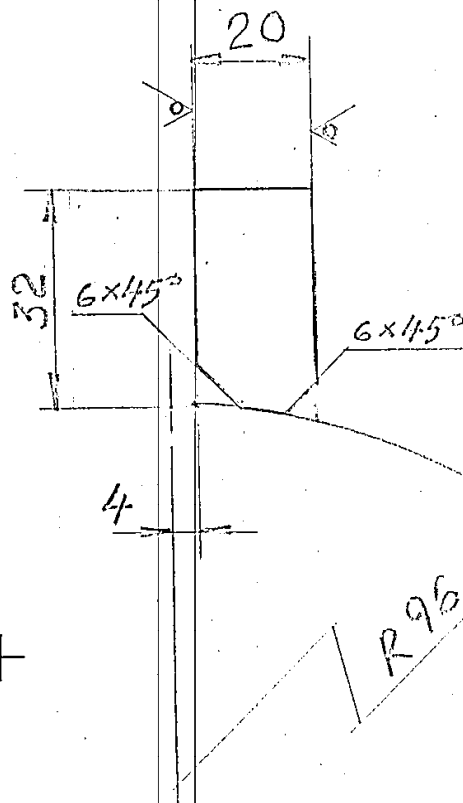
FIRST ANGLE PROJECTION		(ALL DIMENSIONS ARE IN mm)		FORM DG38(B)																																																																																																	
COPYRIGHT AND CONFIDENTIAL PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY INVENTORY NO. 0-4178 REF. DRG. NO.		DRAWING NO. R7830-0086/031																																																																																																			
DEVELOPED LENGTH $\approx$ 270																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>VAR. 00</th> <th>REMARKS</th> <th>ITEM NO.</th> <th>DESCRIPTION</th> <th>STD</th> <th>DRAWING NO.</th> <th>MATERIAL CODE</th> <th>UNIT WEIGHT</th> </tr> <tr> <td>59</td> <td>64</td> <td>65</td> <td>75</td> <td>79</td> <td>85</td> <td>90</td> <td>95</td> </tr> <tr> <td colspan="4">CARD TYPE 3</td> <td>28</td> <td colspan="2">CARD TYPE-1</td> <td>28</td> </tr> <tr> <td colspan="4">GMS NO./GR. SP. NO.</td> <td>STATUS OF DRG.</td> <td colspan="2">TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT</td> <td></td> </tr> <tr> <td colspan="4"> AGREED DEPT. NAME SIGN DATE GRADE OF UNTOL. DIM. — M/CG-E/M/F AA 0230208 WELDING-A/B/C/D AA0621104 GAS CUTTING 'T3' AA 0621101 </td> <td colspan="2"> BHARAT HEAVY ELECTRICALS LTD. HARDWAR </td> <td colspan="2"> NAME SIGN DATE NO. OF VAR. DRN 11/8/91 CHD 11/8/91 APD 7/1/74 </td> </tr> <tr> <td colspan="2">REV DATE</td> <td colspan="2">ALTERED</td> <td colspan="2">REV DATE</td> <td colspan="2">ALTERED</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">CHECKED</td> <td colspan="2"></td> <td colspan="2">CHECKED</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">DEPT. J7E</td> <td colspan="2">SCALE 1:1</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2">CODE 707</td> <td colspan="2">WEIGHT (kg) 2.4</td> </tr> <tr> <td colspan="4">TITLE HALFRING</td> <td colspan="2">REF. TO ASSY. DRG. R7830-0086/030</td> <td colspan="2">ITEM NO. 1</td> </tr> <tr> <td colspan="4"></td> <td colspan="2">DRAWING NO. R7830-0086/031</td> <td colspan="2">SHEET NO. 23, 26</td> </tr> <tr> <td colspan="4"></td> <td colspan="2">SHEET NO.</td> <td colspan="2">NO. OF SHEETS</td> </tr> </table>						VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	MATERIAL CODE	UNIT WEIGHT	59	64	65	75	79	85	90	95	CARD TYPE 3				28	CARD TYPE-1		28	GMS NO./GR. SP. NO.				STATUS OF DRG.	TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT			AGREED DEPT. NAME SIGN DATE GRADE OF UNTOL. DIM. — M/CG-E/M/F AA 0230208 WELDING-A/B/C/D AA0621104 GAS CUTTING 'T3' AA 0621101				BHARAT HEAVY ELECTRICALS LTD. HARDWAR		NAME SIGN DATE NO. OF VAR. DRN 11/8/91 CHD 11/8/91 APD 7/1/74		REV DATE		ALTERED		REV DATE		ALTERED				CHECKED				CHECKED						DEPT. J7E		SCALE 1:1						CODE 707		WEIGHT (kg) 2.4		TITLE HALFRING				REF. TO ASSY. DRG. R7830-0086/030		ITEM NO. 1						DRAWING NO. R7830-0086/031		SHEET NO. 23, 26						SHEET NO.		NO. OF SHEETS	
VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	MATERIAL CODE	UNIT WEIGHT																																																																																														
59	64	65	75	79	85	90	95																																																																																														
CARD TYPE 3				28	CARD TYPE-1		28																																																																																														
GMS NO./GR. SP. NO.				STATUS OF DRG.	TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT																																																																																																
AGREED DEPT. NAME SIGN DATE GRADE OF UNTOL. DIM. — M/CG-E/M/F AA 0230208 WELDING-A/B/C/D AA0621104 GAS CUTTING 'T3' AA 0621101				BHARAT HEAVY ELECTRICALS LTD. HARDWAR		NAME SIGN DATE NO. OF VAR. DRN 11/8/91 CHD 11/8/91 APD 7/1/74																																																																																															
REV DATE		ALTERED		REV DATE		ALTERED																																																																																															
		CHECKED				CHECKED																																																																																															
				DEPT. J7E		SCALE 1:1																																																																																															
				CODE 707		WEIGHT (kg) 2.4																																																																																															
TITLE HALFRING				REF. TO ASSY. DRG. R7830-0086/030		ITEM NO. 1																																																																																															
				DRAWING NO. R7830-0086/031		SHEET NO. 23, 26																																																																																															
				SHEET NO.		NO. OF SHEETS																																																																																															
SIZE A3																																																																																																					

FIRST ANGLE PROJECTION

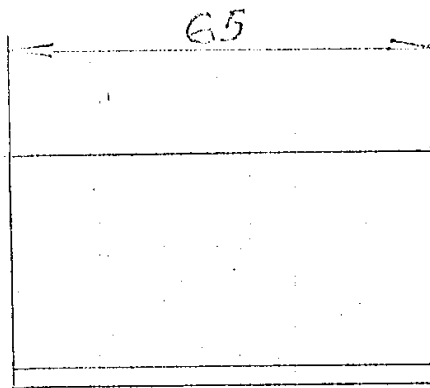
(ALL DIMENSIONS ARE IN mm) FORM DG39A

REV	DATE	ALTERED CHECKED	REV	DATE	ALTERED CHECKED	GMSNo. / GR.SP.No.	STATUS OF DRG.
						AGREED DEPT.	NAME SIGN DATE

GRADE OF UNTOL. DIM. M/CGC/M/FAA 0230208 WELDING A/B/C/D AA 0621104 GASCUTTING-T3 AA0621101



12.5 THE REST



REF DRG No.

SIGN & DATE

INVENTORY No.

REMARKS	ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65	75 25 27 29	58	29 31 34 45	58 65
CARD TYPE 3	28	CARD TYPE 1	CARD TYPE 2	
BHARAT HEAVY ELECTRICALS LTD		HARDWAR		
DEPT. JTE	SCALE 1:1	WEIGHT(kg) 0.26	REF TO ASSY DRG. R7830-0000/030	ITEM No. 2
CODE. 209				No. OF VAR.
TITLE PLATE			DRAWING No. R7830-0000/032	REV
			SHEET No.	No OF SHEETS

SIZE A4.

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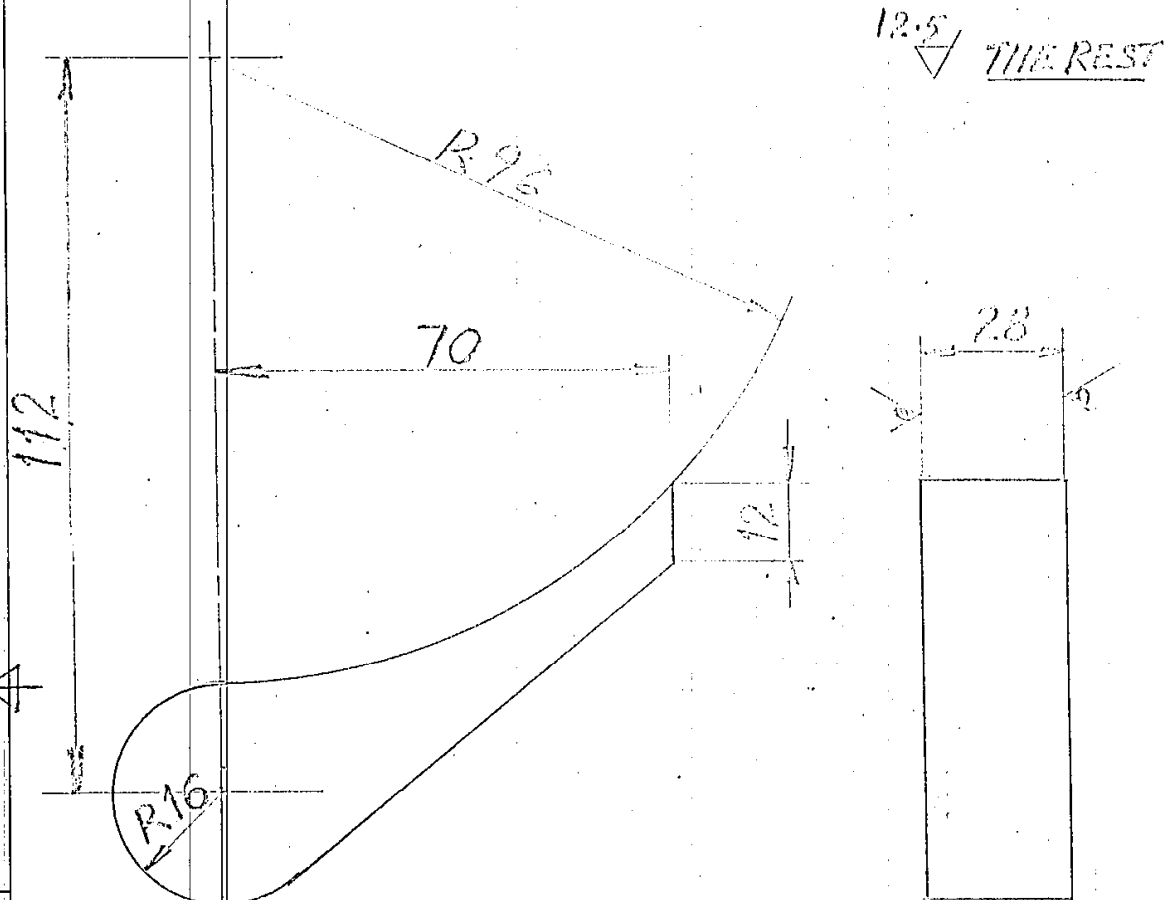
ELECTRICALS LIMITED IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39A

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR-SP No.	STATUS OF DRG
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
							SIGN
							DATE

GRADE OF UNTOL. DIM. M/CGC/M/FAA0230208 WELDING A/B/C/D AA 0621104 GASCUTTING-T3 AA0621101



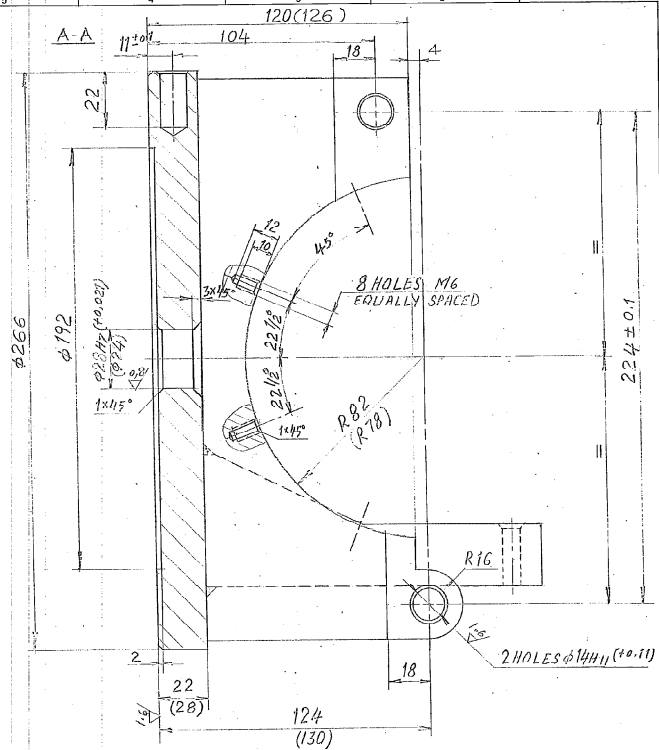
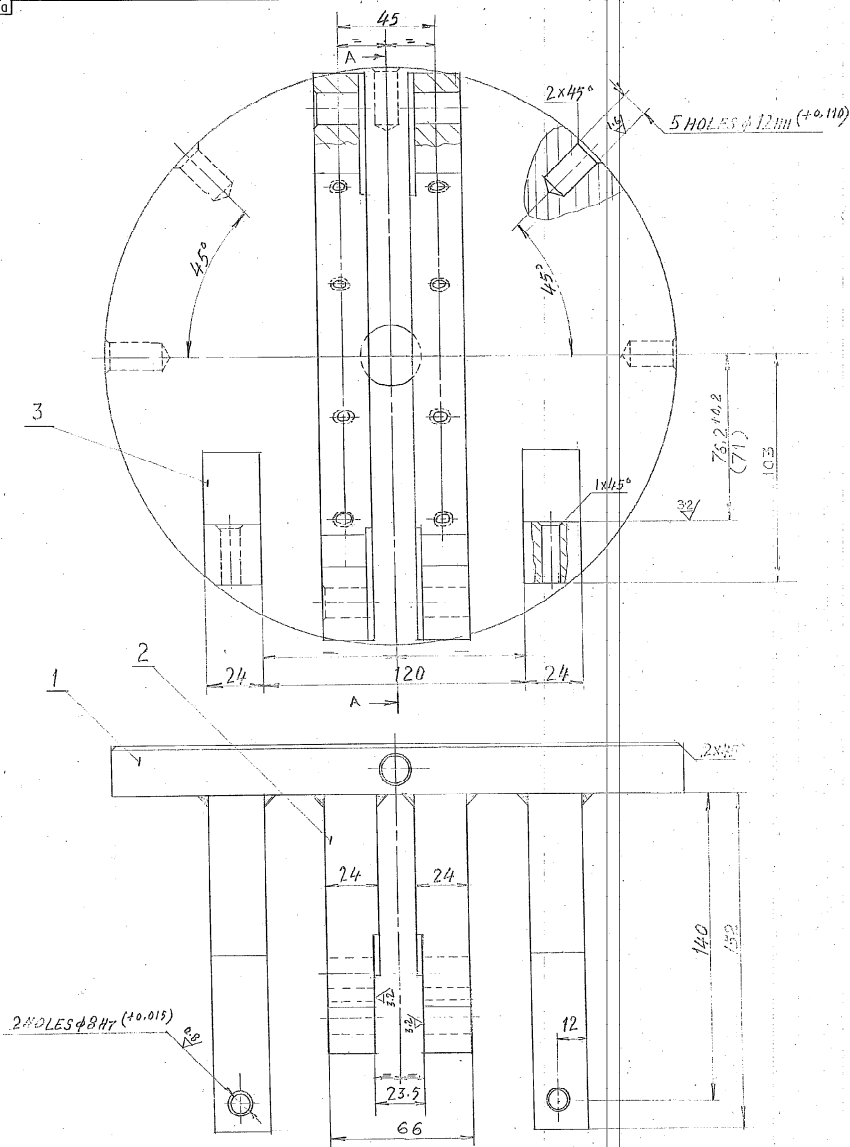
REF DRG No.	REMARKS		ITEM No.	DESCRIPTION	STD	MATERIAL CODE	UNIT WEIGHT
	65	75	25	27	29	58	65
SIGN & DATE	CARD TYPE 3		28	CARD TYPE 1	28	CARD TYPE 2	
	Bharat Heavy Electricals Ltd		HARDWAR		DRN	NAME	SIGN
INVENTORY No.	DEPT. JTE		SCALE	WEIGHT (kg)	REF TO ASSY DRG.	ITEM No.	No. OF ITEMS
	CODE. 209		1:1	0.45	RTP30-0086/030	3	75, 77
TITLE		RIB		CARD CODE	DRAWING No		REV
					RTP30-0086/033		22, 23, 24
					SHEET No		No OF SHEETS
							SIZE A4

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG 45(B)

DRAWING NO. R7830-0085/040



1. ALL WELDING SEAMS ARE 6mm THICK
2. STRESS RELIEVING TO BE DONE AFTER WELDING AS PER HM 0641097
3. ROUND OFF SHARP EDGES

3	RIB	R7830-0085/040	FE 410W	1.14	
2	PLATE	R7830-0085/040	FE 410W	3.72	
1	DISC	R7830-0085/040	FE 410W	1.14	

VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	MATERIAL SPEC.	QTY
30	CARD TYPE 3	28	CARD TYPE-1			
31	GMS NO/GR. SP. NO.	28	CARD TYPE-1			
32	NAME	SIGN	DATE	NAME OF CUSTOMER / PROJECT		

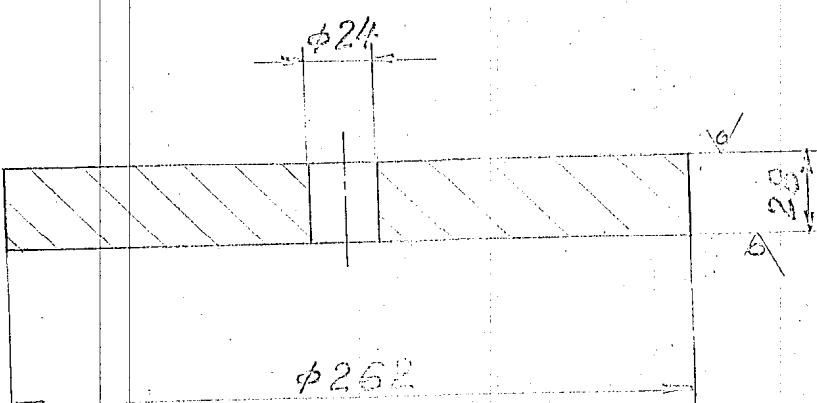
GRADE OF UNTOL. DIM	M/C/G	AA 0230208	NAME	SIGN	DATE	NO. OF
WELDING	AA 0230208		VSC			VAR.
GAS CUTTING	AA 0230208		21.14			

REV. DATE	ALTERED	CHECKED	REV. DATE	ALTERED	CHECKED
2006			2006		

DEPT. JTE	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.
2006	1:1	21.14	R7830-0085

DRAWING NO.	R7830-0085/040
TITLE	ROTATING TABLE (WELDED & MACHINED)
SHEET NO.	1
NO. OF SHEETS	1
SIZE	A1

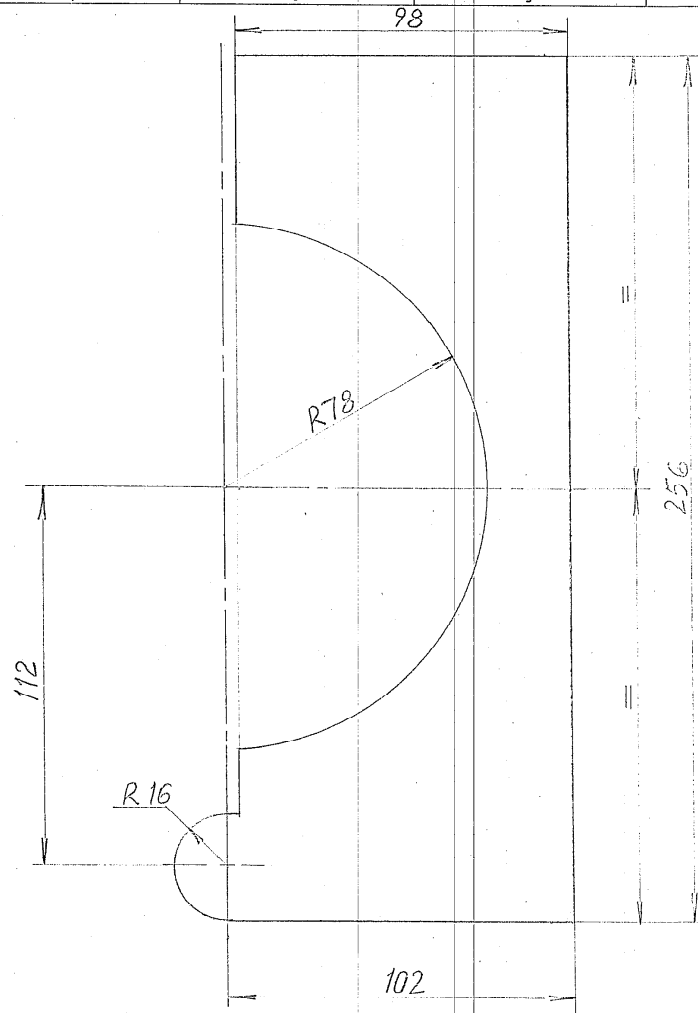
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FIRST ANGLE PROJECTION				(ALL DIMENSIONS ARE IN mm) FORM DG39(B)			
REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR.SP No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
							SIGN
							DATE
GRADE OF UNTOL. DIM. M/CGC/M/FAA0230208				WELDING A/B/C/D AA0621104		GASCUTTING-T3 AA0621101	
$\phi 24$  12.51 THE REST							
ROUND OFF SHARP EDGES							
REMARKS		ITEM No.	DESCRIPTION		MATERIAL CODE		UNIT WEIGHT
65		75 25 27 29	58 59		29 31 34 32 33 36		58 65
CARD TYPE 3		28	CARD TYPE 1		CARD TYPE 2		71
SIGN & DATE		BHARAT HEAVY ELECTRICALS LTD.		NAME		SIGN	DATE
HARDWAR				DRN		VSE	DATE
				CHD		5.010	1.8.94
				APD			
DEPT. JTE		SCALE 1:2	WEIGHT (kg) 11.5		REF TO ASSY. DRG. R7830-0086/040		ITEM No. 7
CODE. 209							
TITLE DISC				DRAWING No. R7830-0086/041		22 23 24	
				SHEET No.		No OF SHEETS	
						SIZE A4	

0-4176

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN mm)

FORM DG 44(B)



12.5 THE REST

ROUND OFF SHARP EDGES

VAR.00 59	REMARKS 64	ITEM NO. 75	DESCRIPTION 29	DRAWING NO. 58	29,31 77	MATERIAL CODE 32,33	UNIT WEIGHT 46	65	66	71	72
CARD TYPE - 3 → 28			28 → CARD TYPE - 1			28 → CARD TYPE - 2					
GMS NO. / GR. SP. NO.			STATUS OF DRG.			TYPE OF PRODUCT OR			NAME OF CUSTOMER / PROJECT		
AGREED DEPT			NAME			SIGN			DATE		
GRADE OF UNTOL. DIM. :-			M / CG - d / M / f AA 0230208			DRN CHD APD			NO. OF VAR.		
WELDING-A/B/C/D-AA 0621104			GAS CUTTING-T3' AA 0621101			SHARAT HEAVY ELECTRICALS LTD. HARDWAR			73/74		
REV. DATE			ALTERED CHECKED			DEPT. JTE			SCALE		
CODE 209			ZONE			WEIGHT (kg.)			REF. TO ASSY. DRG.		
						3.72			ITEM NO. OF		
						DRAWING NO.			NO. OF SHEET		
						R7830-0086/042			23/24		
						SHEET NO.			NO. OF SHEET		
						1			3		

PLATE

SIZE A2

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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG 38(B)

77830-0086/043
 DRAWING NO.

12.5 / THE REST

ROUND OFF SHARP EDGES

VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	MATERIAL CODE	UNIT WEIGHT
59	64 65	75 76 77 79	58 59 60	77 78 79 80	28	29 30 31 32 33 34 35 36	68 69 70 71 72
CARD TYPE 3				28	CARD TYPE-1		
GMS NO./GR. SP. NO.				STATUS OF DRG.	TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT		
AGREED DEPT.	NAME	SIGN	DATE				
GRADE OF UNTOL. DIM. :— M/CG-C/M/F AA 0230208 WELDING-A/B/C/D AA0621104 GAS CUTTING-T3 AA0621101				BHARAT HEAVY ELECTRICALS LTD. HARDWAR			
REV/DATE	ALTERED	REV/DATE	ALTERED	DEPT.	SCALE	WEIGHT (kg)	REF. TO ASSY. DRG.
	CHECKED		CHECKED	CODE	1:1	1.1kg	R7830-0086/043
				TITLE		DRAWING NO.	
				RIB		R7830-0086/043	
						SHEET NO.	
						NO. OF SHEETS	

INVENTORY NO. 0-4176

SIGN & DATE

REF. DRG. NO.

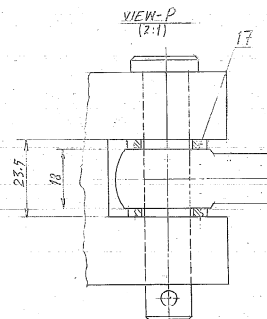
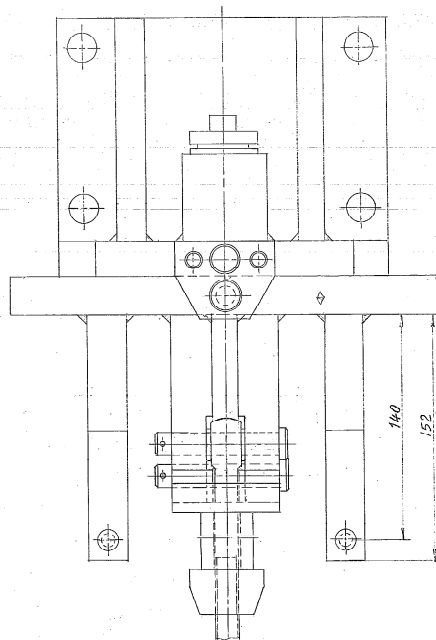
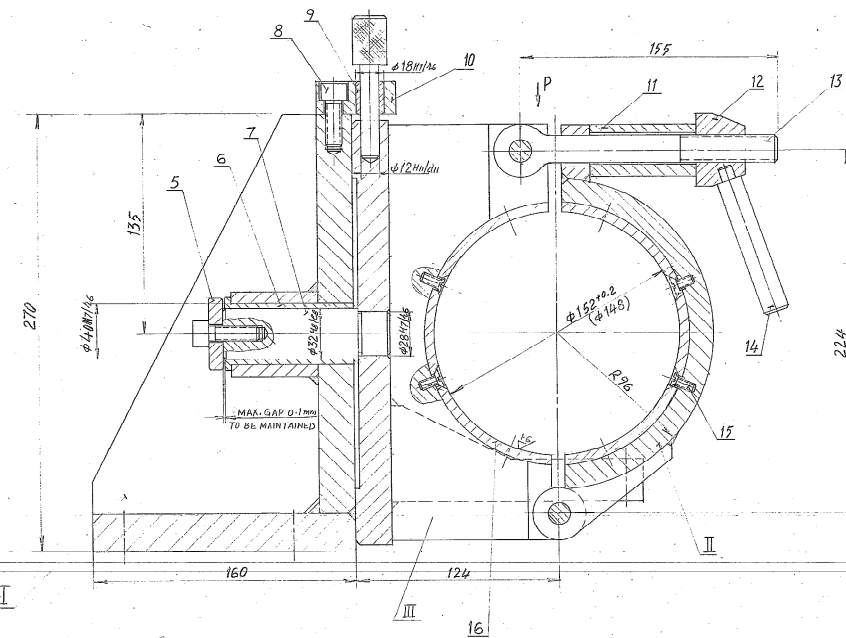
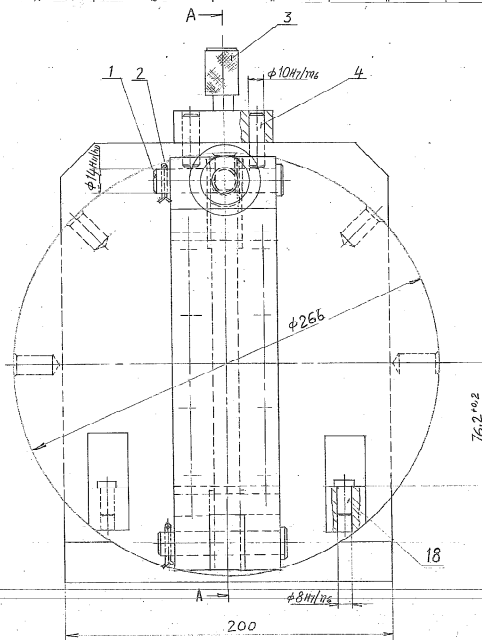
SIZE A3

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM 00 46 (B)

9900-0086



1. AXLE, ITEM NO 7 TO BE TACK WELDED WITH DISC OF ROTATING TABLE
DRG. NO. R7830-0086/000
2. $\phi 152$ TO BE ACHIEVED IN ONE SETTING AFTER SCREWING THE
RING - ITEM NO 16 WITH ROTATING TABLE, DRG. NO. R7830-0086/000, HINGE, DRG. NO. R7830-0086/030.
3. TO BE CONSERVED AS PER 71.30007

MARK
R7830-0086
76/62 SR

III	ROTATING TABLE	R7830-0086/000	PLATE	21.15
IV	WASHER	R7830-0086/000	STEEL	5.8
I	BRACKET	R7830-0086/000	STEEL	2.5
18	PIN	R7830-0086/000	C-10	0.08
17	WASHER	R7830-0086/000	STEEL	0.087
16	RING (IN TWO HALVES)	R7830-0086/000	STEEL	0.42
15	SCREW 1/8x1/2	21.87-105	1/2	0.015
14	HANDLE	R7830-0086/000	C-10	0.18
13	EYE BOLT 1/8x1/2	33.14-177	1/2	0.5
12	NUT M16	R7830-0086/000	1/2	0.2
11	SPACER	R7830-0086/000	1/2	0.33
10	PLATE	R7830-0086/000	1/2	0.32
9	BUSH $\phi 12 \times 20$	33.902-161	1/2	0.035
8	SCREW M10x25	55.8902-120	1/2	0.010
7	AXLE	R7830-0086/000	1/2	0.6
6	BUSH	R7830-0086/000	1/2	0.28
5	PACKING	R7830-0086/000	1/2	0.1
4	PIN $\phi 10 \times 40$	51.0735-235	1/2	0.035
3	GUIDE PIN	R7830-0086/000	1/2	0.08
2	CUTTER PIN	11.8775-101	1/2	0.001
1	PIN $\phi 19$	R7830-0086/000	1/2	0.001

VAR. NO.	REMARKS	ITEM NO.	DESCRIPTION	QTY	DRAWING NO.	REV. NO.	DATE	BY	CHECKED
19	66	76	76/62 SR	1	76/62 SR	1	76/62 SR	76/62 SR	76/62 SR

GRADE OF LINTOL DIM.	TYPE OF PRODUCT	COVER NO.	DATE	BY	CHECKED
WELDING - A (W) Q.A.A. 021010	WELDING - A (W) Q.A.A. 021010	WELDING - A (W) Q.A.A. 021010	WELDING - A (W) Q.A.A. 021010	WELDING - A (W) Q.A.A. 021010	WELDING - A (W) Q.A.A. 021010

DATE	TIME	DATE	TIME	DATE	TIME
76/62 SR	76/62 SR	76/62 SR	76/62 SR	76/62 SR	76/62 SR

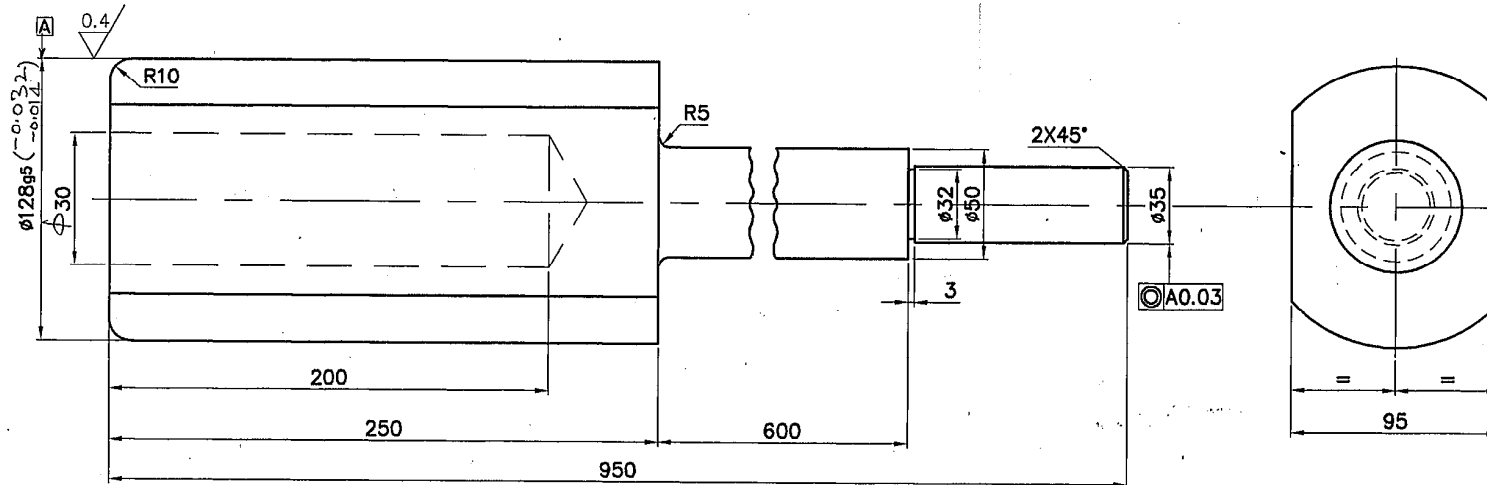
TITLE	SCALE	WEIGHT	DATE	BY	CHECKED
FIXTURE FOR ASSEMBLY OF ACCUMULATOR	50-70	50-70	50-70	50-70	50-70

TOTAL SHEETS = 26 TOTAL PAGES = 57

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG38(B)

6.3/
THE RESTDRAWING No.
R7846-0991/001

1. ROUND OFF SHARP EDGES.

VAR.00	REMARKS	ITEM No.	DESCRIPTION	STD	DRAWING No.	HW 1230230971	AA-12330	MATERIAL CODE	A	UNIT	UNIT WEIGHT	QTY.
								MATERIAL SPECN.	C			

GMS No./GR.SP.No.		STATUS OF DRG		TYPE OF PRODUCT		COMP. DRG. No.		M/C TOOL TRANS No.		REF. DRG. No.	
AGREED DEPT.	NAME	SIGN.	DATE			DESIGN. ORDER No.		MODEL No.			
GRADE OF UNTOL. DIM.:—				BH&L		BHARAT HEAVY ELECTRICALS LTD.		NAME		SIGN.	DATE
M/CG- C/M/A AA0230208						HARDWAR		DRN KAILASH			No. OF VAR.
WELDING- M/B/C/D AA0621104								CHD V.K.C/A.K.S			
GAS CUTTING-'T3' AA0621101								APD			
REV	DATE	ALTERED	REV	DATE	ALTERED	DEPT. JTE	SCALE	WEIGHT(Kg)	REF. TO ASSY. DRG.		ITEM No. OF
		CHECKED			CHECKED	CODE 209	N.T.S	12.19	R7846-0991		1
						TITLE		DRAWING No.		REV	
						CENTRING PIECE		R7846-0991/001			
								SHEET No.		No. OF SHEETS	
										SIZE A 3	

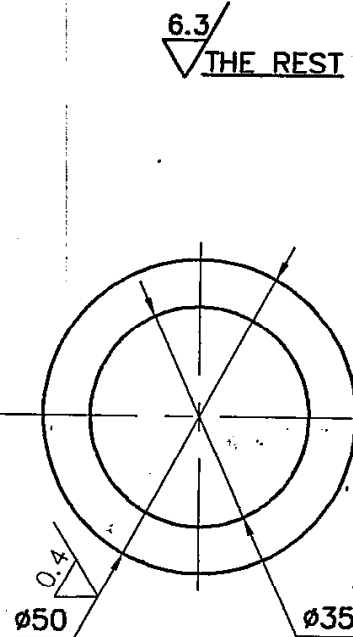
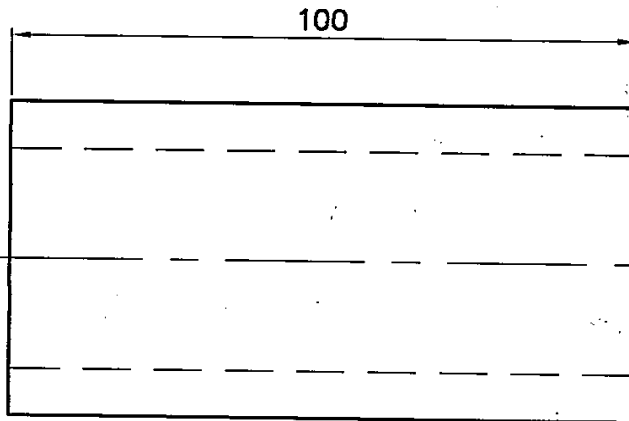
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

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REV	DATE	ALTERED	REV	DATE	ALTERED	GMSNo./GR.SP.No.	STATUS
		CHECKED			CHECKED		OF DRG.
						AGREED	
						DEPT.	
						NAME	
						SIGN.	
						DATE	

GRADE OF UNTOL. DIM.M/CGX/M/X-AA0230208 WELDING X/B/C/D AA0621104 GASCUTTING-T3'AA0621101



HARDEN TO HRC 50:60 AS PER 0912.008

REMARKS		ITEM No.	DESCRIPTION	STD	VAR	T90Mn6wCr2	AA10821/IS: 3748	MATERIAL CODE	A	UNIT WEIGHT
								MATERIAL SPECN	C	

BHARAT HEAVY ELECTRICALS LTD.				NAME	SIGN	DATE	No. OF VAR
HARDWAR				DRN KAILASH	<i>[Signature]</i>		
				CHD V.K.C/A.K.S.	<i>[Signature]</i>		
				APD			

DEPT JTE	SCALE	WEIGHT(Kg)	REF. TO ASSY. DRG.	ITEM No.	No. OF ITEM
CODE 209	1:1	0.8	R7846-0991	2	

TITLE	DRAWING No.	REV
PIPE	R7846-0991/002	

SHEET No.	No. OF SHEETS
	SIZE A4

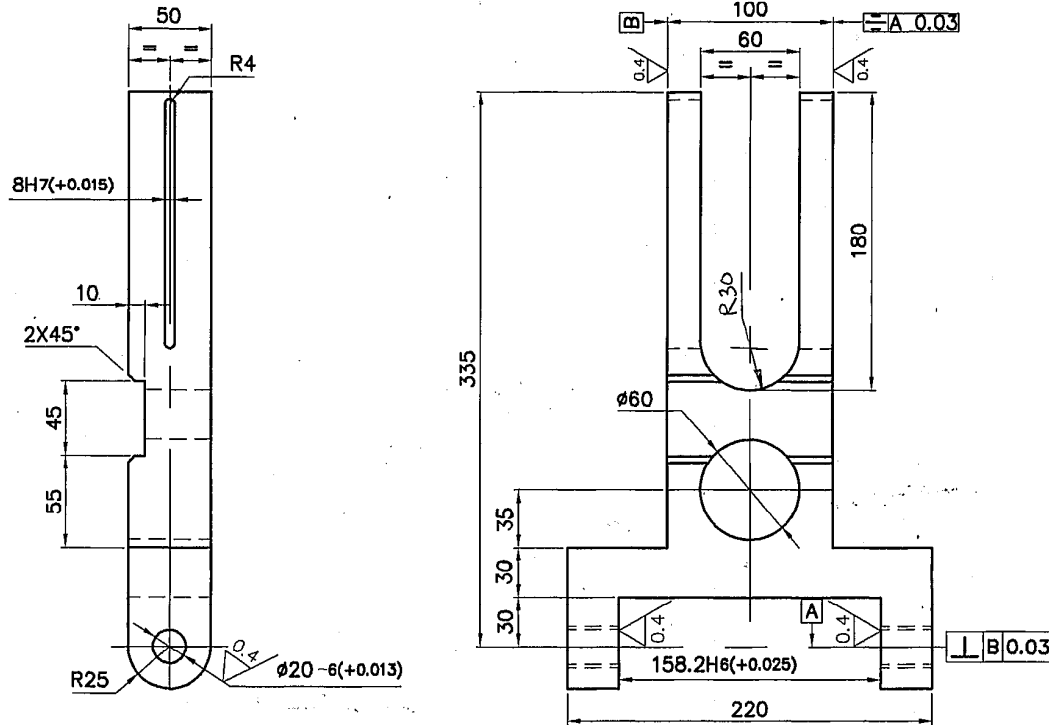
1-11371 25205

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG38(B)

DRAWING No. R7846-0991/003



1. ROUND OFF SHARP EDGES.

VAR.00	REMARKS	ITEM No.	DESCRIPTION	STD	DRAWING No.	HW 1230330984 AA 12330	MATERIAL CODE	A	UNIT	UNIT WEIGHT	QTY.

GMS No./GR.SP.No.				STATUS OF DRG		TYPE OF PRODUCT		COMP. DRG. No.		M/C TOOL TRANS No.		REF. DRG. No.			
AGREED DEPT.		NAME		SIGN.		DATE		DESIGN ORDER No.		MODEL No.					
GRADE OF UNTOL. DIM.:—				BHARAT HEAVY ELECTRICALS LTD. HARDWAR				NAME		SIGN.		DATE			
M/CG-81M/R-AA0230208								DRN		KAILASH				No. OF VAR.	
WELDING-A/B/C/D-AA0621104								CHD		V.K.C/A.K.S					
GAS CUTTING-'T3'-AA0621101								APD							
REV		DATE		ALTERED		REV		DATE		ALtered		CHECKED			
DEPT. JTE				CODE 209		SCALE N.T.S		WEIGHT(Kg) 5.4		REF.TO ASSY. DRG. R7846-0991		ITEM No. OF 3			
TITLE				BRACKET		DRAWING No. R7846-0991/003		SHEET No.		No. OF SHEETS		REV			

SIZE A 3

1-1/371
 INVENTORY No. 25345
 SIGN.&DATE REF. DRG. No.

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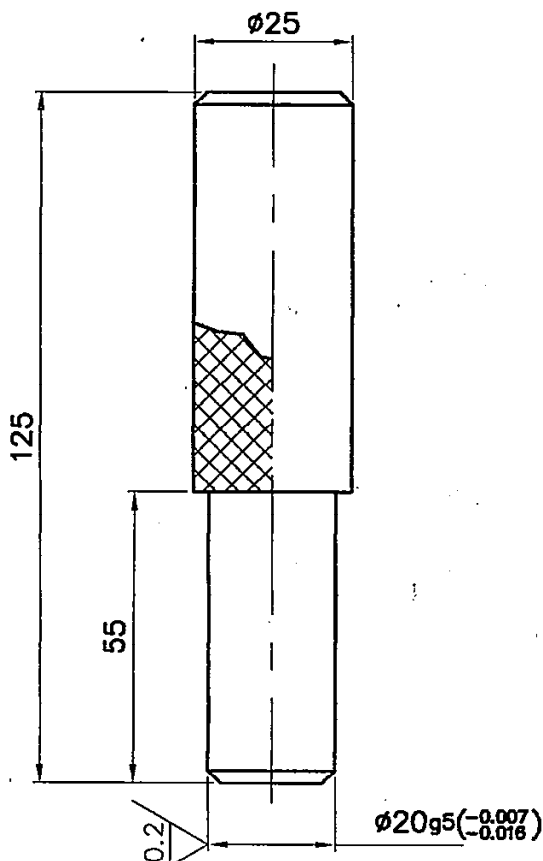
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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED CHECKED	REV	DATE	ALTERED CHECKED	GMSNo./GR.SP.No.		STATUS OF DRG.	
						AGREED DEPT.	NAME	SIGN.	DATE

GRADE OF UNTOL. DIM/M/CG/C/M/F/-AA0230208 WELDING A/B/C/D AA0621104 GASCUTTING-T3'AA0621101



HARDEN TO HRC 50:60 AS PER 0912.008

					40Ni6Cr4M03			
					AA10501,(H&T)			
REMARKS	ITEM No.	DESCRIPTION	STD	VAR	MATERIAL CODE	A	UNIT	UNIT WEIGHT
					MATERIAL SPECN	C		

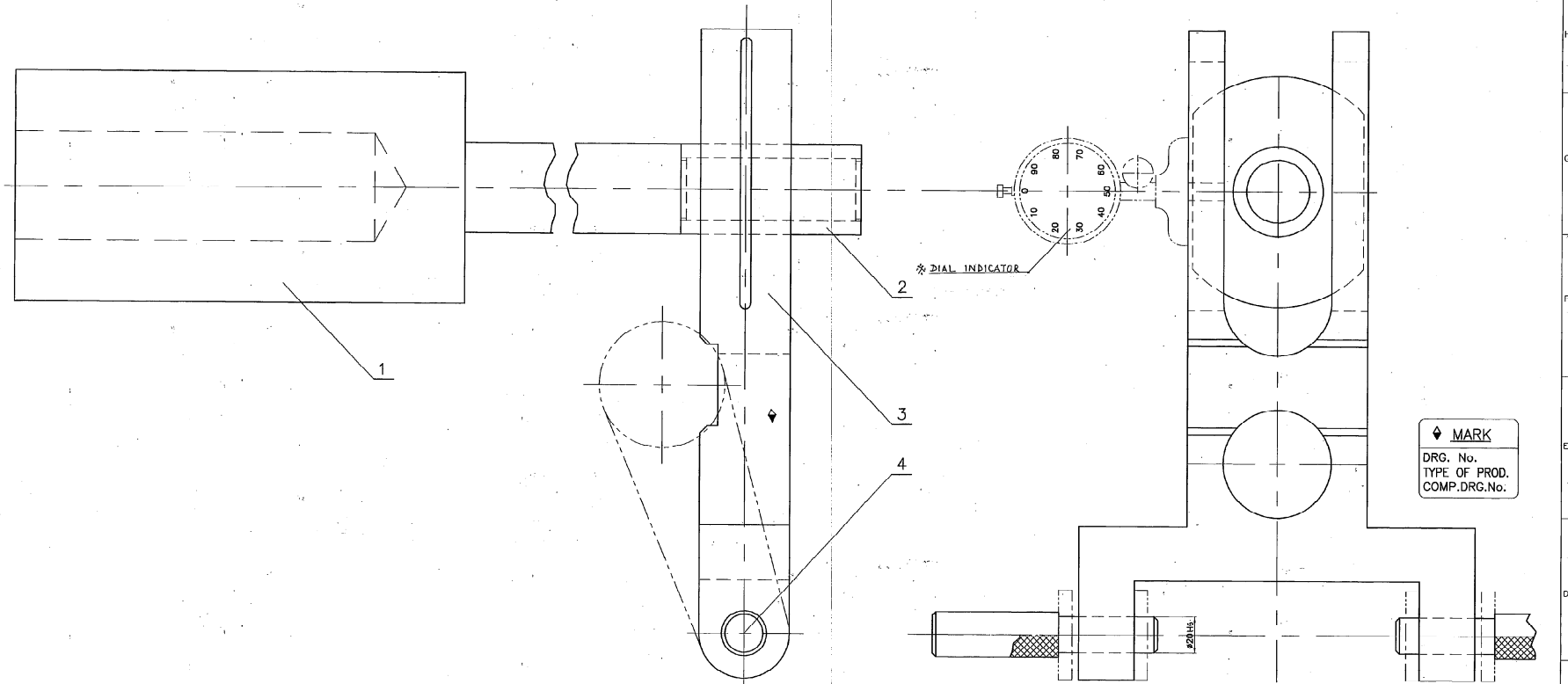
SIGN & DATE		REF.DRG.No.							
BHEL		BHARAT HEAVY ELECTRICALS LTD.		NAME		SIGN		DATE	
HARDWAR				DRN KAILASH				No. OF VAR	
				CHD V.K.C/A.K.S.					
				APD					
DEPT JTE		SCALE	WEIGHT(Kg)	REF. TO ASSY. DRG.		ITEM No.		No. OF ITEM	
CODE 209		1:1	0.4	R7846-0991		4			
TITLE		PIN		DRAWING No.		REV			
				R7846-0991/004					
				SHEET No.		No. OF SHEETS			

SIZE A4

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN mm.)

FORM DG 45(0)

DRAWING No. R7846-0991



TO BE CONSERVED AS PER TL 30007.
 ✱ TO BE ARRANGED AND FITTED BY "DPP" AT SITE, AS PER REQUIREMENT.

VAR.00	REMARKS	ITEM No.	DESCRIPTION	STD.	DRAWING No.	MATERIAL CODE	MATERIAL SPECN.	QTY.	UNIT WEIGHT	WGT
		4	PIN		R7846-0991/004	40Ni6Cr4Mo3		0.4		
						AA10501 (H&T)		2		
		3	BRACKET		R7846-0991/003	HN123033098		5.4		
						AA12330		1		
		2	PIPE		R7846-0991/002	83M130N35C		0.8		
						AA10503/S		1		
		1	CENTRING PIECE		R7846-0991/001	HN12302307		12.30		
						AA12330		1		

GMS No./GRSP.No.		STATUS OF DRG.		TYPE OF PRODUCT		COMP. DRG. No.		M/C TOOL TRANS No.		REF. DRG. No.	
APPROVED		NAME		SIGN.		DATE		DESIGN ORDER No.		MODEL No.	
DEPT.		NAME		SIGN.		DATE		NC/DFP/F/272			
GRADE OF UNTOLD DIM. :-		M/CG-8/N/F-AA0230208		SRGM 76/62							
WELDING-A/B/C/D-AA0621104		GAS CUTTING-T3-AA0621101		BHHEL		BHARAT HEAVY ELECTRICALS LTD.		HARDWAR		NAME	
REV		DATE		ALTERED		CHECKED		REV		DATE	
DATE		DATE		DATE		DATE		DATE		DATE	
DEPT.		JTE		SCALE		N.T.S		19.19		WEIGHT(kg.)	
CODE		209		TITLE		FIXTURE		(FOR LOADING TRAY)		DRAWING No.	
										R7846-0991	
										SHEET No. 01	
										No. OF SHEET 01	
										SIZE A 1	

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1-11371
 12/02/2020
 INVENTORY No. & DATE REC. DRG. No.

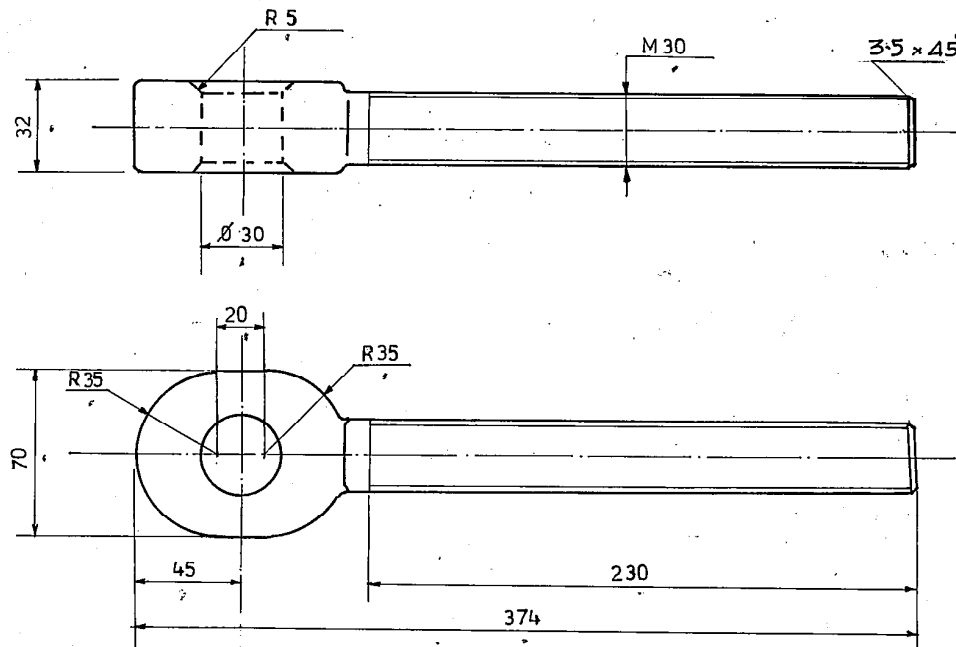
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG38A

DRAWING NO. R7870.0824/001

6.3/ALL OVER



NOTE :-

1. HARDEN TO HRC. 40÷45 AS PER 0912.008
2. ROUND OFF SHARP EDGES.

VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	29	31	MATERIAL CODE	A	UNIT WEIGHT	58	65	72
59	64	65	75	25	27	29	58	69	60	77	32	33	46
CARD TYPE 3 28				28 → CARD TYPE-1				28 → CARD TYPE-2					

GMS NO./GR SP NO	STATUS OF DRG
AGREED DEPT.	NAME SIGN DATE

 TYPE OF PRODUCT
OR
NAME OF CUSTOMER / PROJECT

GRADE OF UNTOL DIM :-

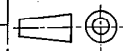
 M/CG-X/M/F AA 0230208
 WELDING-A/B/C/DAA0621104
 GAS CUTTING T3 AA 0621101

 REV DATE ALTERED
 CHECKED

 REV DATE ALTERED
 CHECKED

 BHARAT HEAVY ELECTRICALS LTD
HARDWAR

NAME	SIGN	DATE	NO. OF VAR.
DRN C.P.S. & CO.			
CHD VKG/VKC		20.3.94	73 74
APD M.M.A.			

 DEPT JTE
CODE 209


SCALE 1:2

WEIGHT (kg) 2.0

REF TO ASSY DRG.

R7870.0824

ITEM NO. 6

TITLE

TIE ROD

CARD CODE

 DRAWING NO.
R7870.0824/001

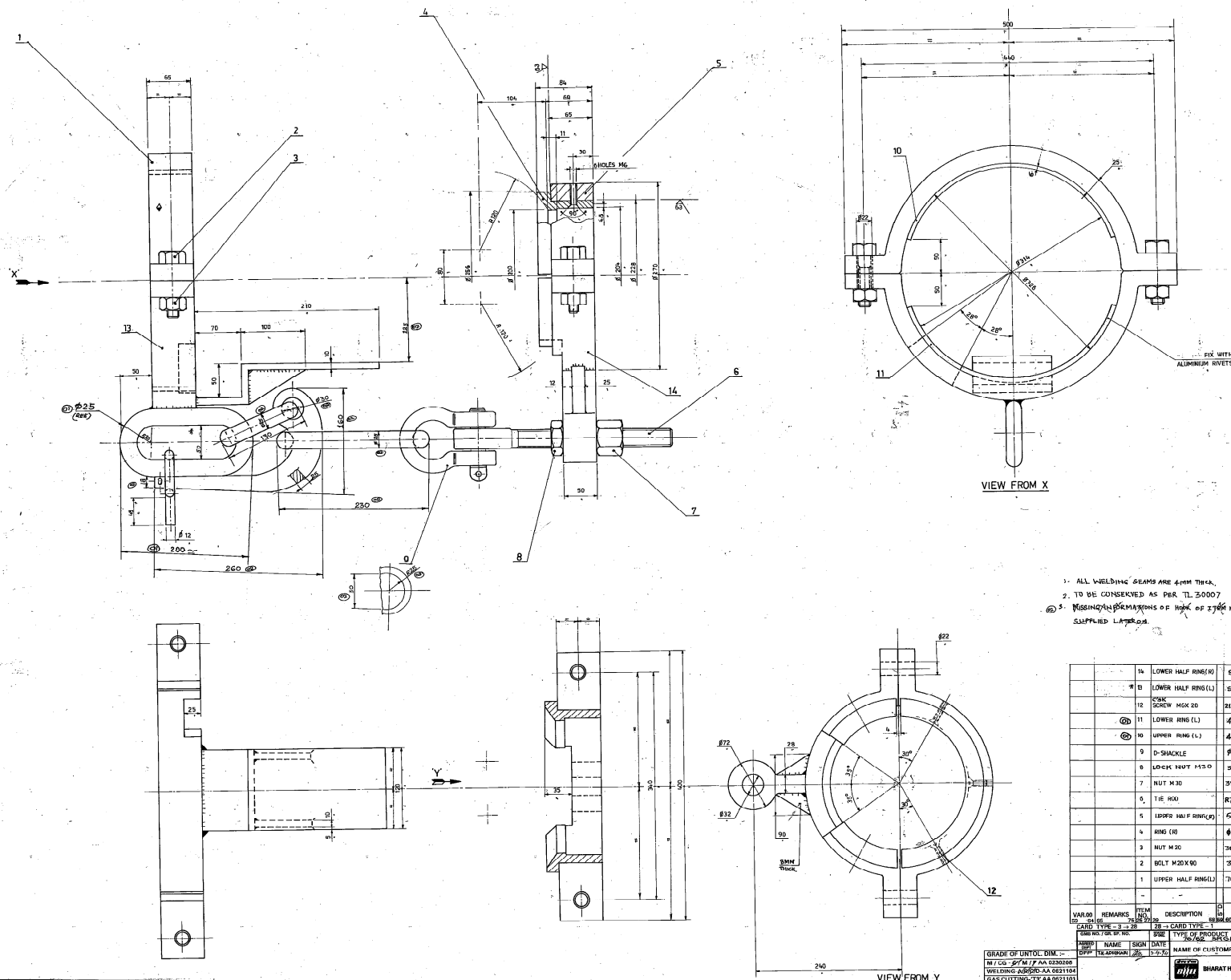
SHEET NO. NO. OF SHEETS

SIZE A3

REF. DRG. NO.

SIGN & DATE

INVENTORY NO. 0-4136



1. ALL WELDING SEAMS ARE 4MM THICK.
2. TO BE CONSERVED AS PER TL 30007
3. MISSING INFORMATIONS OF HOOK OF ITEM No. 13. WILL BE SUPPLIED LATER ON.

MARK
R7870.0824
16/62 SRGM

24	LOWER HALF RING(H)	50.0	ASST	FR 4MM 15.692Z	1.00	1.00
25	LOWER HALF RING(L)	50.0	ASST	FR 4MM 15.692Z	1.00	1.00
26	WRENCH M10 X 1.5	1.00	ASST	15.692Z	0.00	0.00
27	SCREW M10 X 1.5	21.0	94.04	15.692Z	0.00	0.00
28	LOWER RING(L)	450	X 65 X 6	15.692Z	0.00	0.00
29	LOWER RING(L)	450	X 65 X 6	15.692Z	0.00	0.00
30	UPPER RING(L)	450	X 65 X 6	15.692Z	0.00	0.00
31	D-SHACKLE	925	FW 018	15.692Z	0.00	0.00
32	LOCK NUT M10	55	8741	017	15.692Z	0.00
33	NUT M10	55	8740	017	15.692Z	0.00
34	THE HOU	R1870	0824	001	15.692Z	0.00
35	UPPER HALF RING(H)	450	X 70 X 25	15.692Z	0.00	0.00
36	RING (H)	450	X 70 X 25	15.692Z	0.00	0.00
37	NUT M10	55	8740	018	15.692Z	0.00
38	WLT M20X90	51	6920	278	15.692Z	0.00
39	UPPER HALF RING(L)	700	X 65 X 30	15.692Z	0.00	0.00
40	CARD TYPE 3	1			15.692Z	0.00
41	REMARKS	DESCRIPTION	DRAWING NO.	MATERIALS	UNIT PRICE	QTY
42	CARD TYPE 3	1			15.692Z	0.00

GRADE OF UTILITY: RM -		NAME OF CUSTOMER: PRD ONE OR4	
W. C/G. 57/10 A 023020	DATE: 12-19-76	NAME: CH28.8	SIGN: CH28.8
WELDING ADDRESS: AA 083101		DATE: 12-19-76	SIGN: CH28.8
GAS CUTTING: TA 081101		NAME: CH28.8	SIGN: CH28.8
REV DATE: 12/19/76	REV DATE: 12/19/76	SCALE: N.T.S.	WEIGHT: AS SHD
BY: CH28.8	BY: CH28.8	REF. TO ASSY. DRG. 7870.0824	
CHK: CH28.8	CHK: CH28.8	DRAWING NO. 7870.0824	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
DATE: 12/19/76	DATE: 12/19/76	DATE: 12/19/76	
TIME: 2:30 PM	TIME: 2:30 PM	TIME: 2:30 PM	
BY: CH28.8	BY: CH28.8	BY: CH28.8	
CHK: CH28.8	CHK: CH28.8	CHK: CH28.8	
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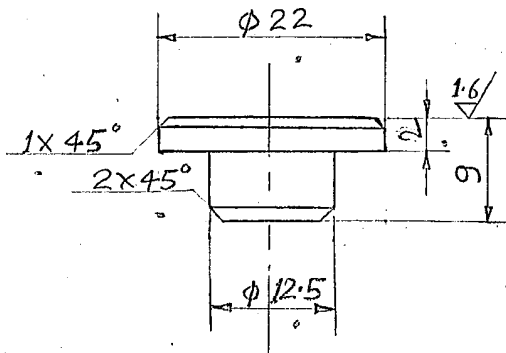
FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm) FORM DG39(D)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR.SP No.	STATUS OF DRG.
		CHECKED			CHECKED		

APPROVED	NAME	SIGN	DATE

GRADE OF UNTOL. DIM. M/CGC/M/F	AA 0230208	WELDING A/B/C/D	AA 0621104	GASCUTTING-T3 AA 0621101
--------------------------------	------------	-----------------	------------	--------------------------

63/ THE REST



REMARKS	ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65	75 25 27 29	58	59 32 33 46	54 55 56 57 66

CARD TYPE 3	28	CARD TYPE 1	28	CARD TYPE 2	28
-------------	----	-------------	----	-------------	----

DEPT. JTE	SCALE	WEIGHT (kg)	REF TO ASSY. DRG.	ITEM No. OF ITEMS
CODE. 209	N.T.S.	0.02	R7870-0836	4

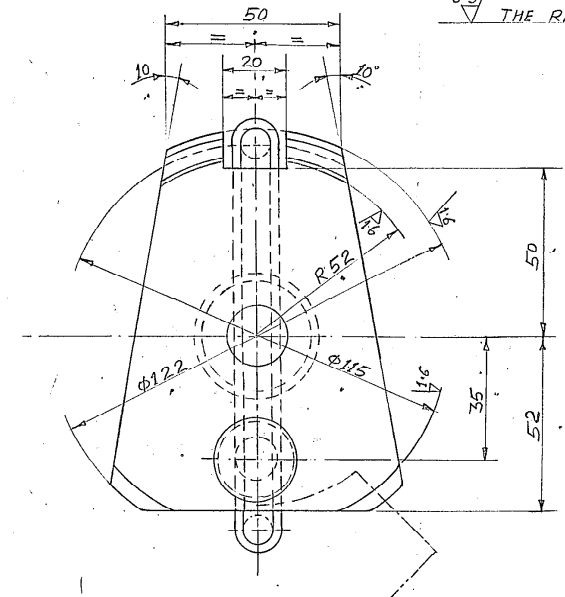
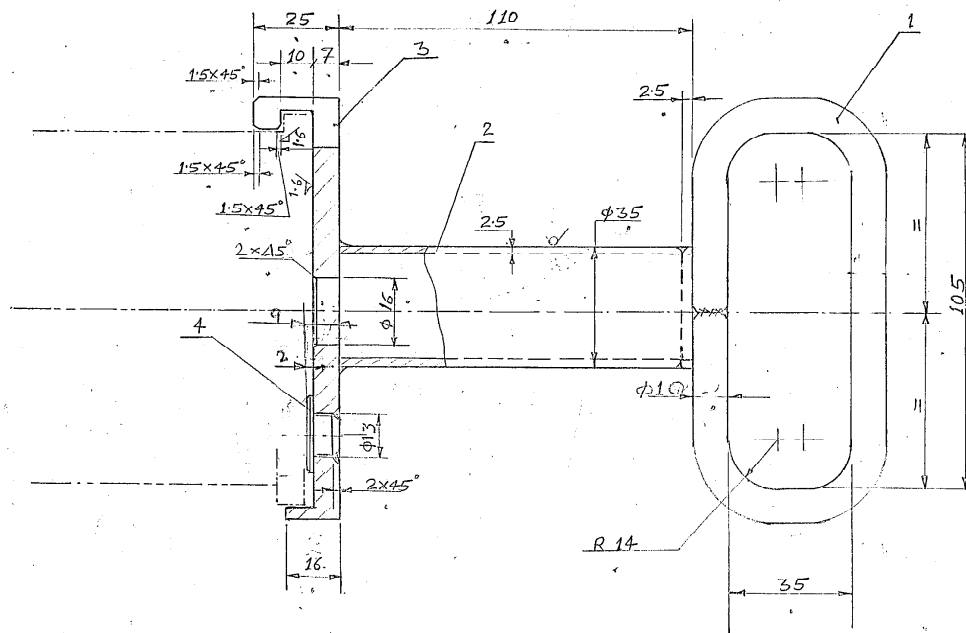
TITLE	DRAWING No.	SHEET No.	No OF SHEETS
LOCATOR	R7870-0836/001		

SIZE A4

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2-14110

DRAWING NO. R7870-0836



MARK
R7870-0836
76/52 SRGM

NOTE

1. TO BE CONSERVED AS PER TL-30007
2. STRESS RELIEVING TO BE DONE
AFTER WELDING AS PER HW 641-000
3. ALL WELDING SEAMS ARE 5MM THICK

[illegible]

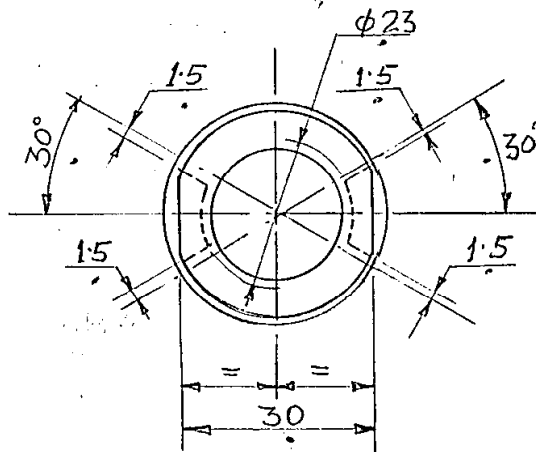
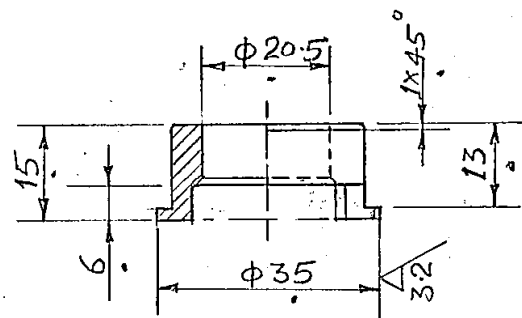
SIZE A2

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm)

Form DG-39

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REV	DATE	ALTERED	REV	DATE	ALTERED	GMS NO./GR. SP. NO.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
						SIGN	DATE



THE REST

NOTE:-

1. ROUND OFF SHARP EDGES
2. HARDEN TO HRC. 30 ± 35 AS PER 0912.008

				40C8					
				15.5517				1	
REMARKS		ITEM NO.		DESCRIPTION		MATERIAL CODE		UNIT WEIGHT	
65		75 25 27 29		58 59		29 31 34 45		A	
						VAR. MATERIAL SPECN		C	
						54 55 56 57 66		QTY	

CARD TYPE-3

28

→

CARD TYPE-1

→

CARD TYPE-2


BHARAT HEAVY ELECTRICALS LTD.
HARDWAR

DRN.	NAME	SIGN	DATE	NO. OF VAR.
CPS & CO.	K.P. SINGH		20-4-91	
CHD.	VKG/VKC.		3/5/91	
APPD.	M.M.A.			73 74

DEPT.	GRADE OF UNTOLODIM.	SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO. OF ITEMS
JTE	1/1M1/	N.T.S.	0.05	R7870-0841	2.	75 77

TITLE

WASHER

1
CARD
CODE

DRAWING NO.

R7870-0841/001

REV.

SHEET NO.

NO. OF SHEETS.

SIZE A4

Inventory No. 1-957015

Sign & Date

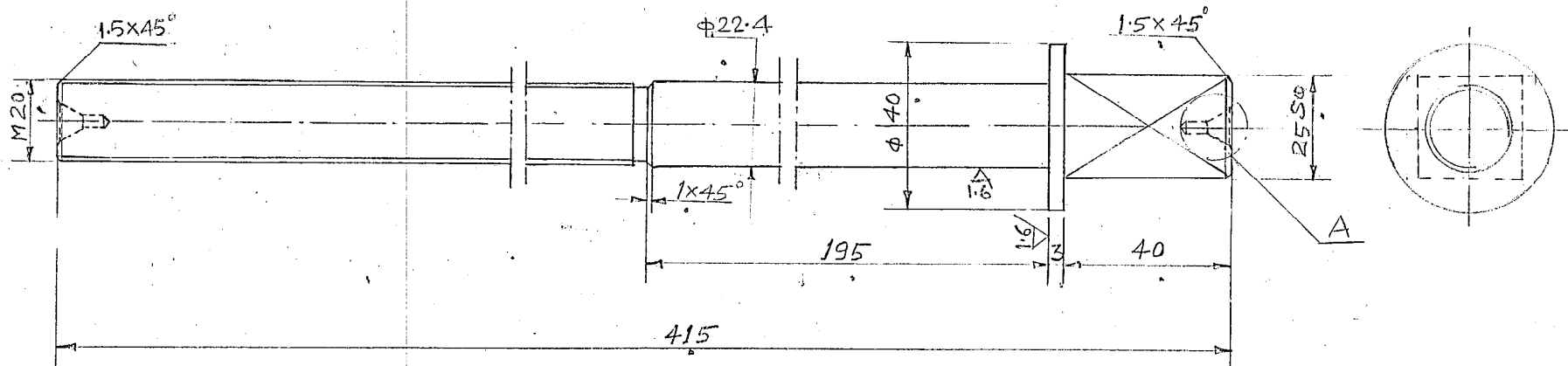
Ref. Drg. No.

FIRST ANGLE PROJECTION

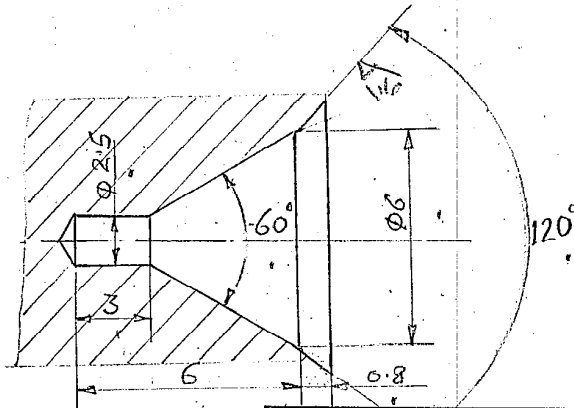
(ALL DIMENSIONS ARE IN mm)

FORM DG38(B)

DRAWING NO. R7870-0841/002

3.2/
THE REST

NOTE:- 1. ROUND OFF SHARP EDGES
2. HARDEN TO HRC. 30-35 AS PER 0912.008



DETAIL A

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GMS NO./GR.SP.NO.			STATUS OF DRG.	TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT
AGREED DEPT.	NAME	SIGN	DATE	

GRADE OF UNTO. DIM. —

M/CG-0/M/F AA 0230208

WELDING-A/B/C/D AA0621104

GAS CUTTING T3 AA 0621101

REV DATE ALTERED CHECKED

REV DATE ALTERED CHECKED

DEPT. JTE
CODE 209

SCALE N.T.S.

WEIGHT (kg) 1.0

REF. TO ASSY. DRG. R7870-0841

ITEM NO. 3

DRAWING NO. R7870-0841/002

SHEET NO. 1 NO. OF SHEETS 23, 24

TITLE SHAFT

SHEET NO. 1 NO. OF SHEETS 23, 24

SIZE A3

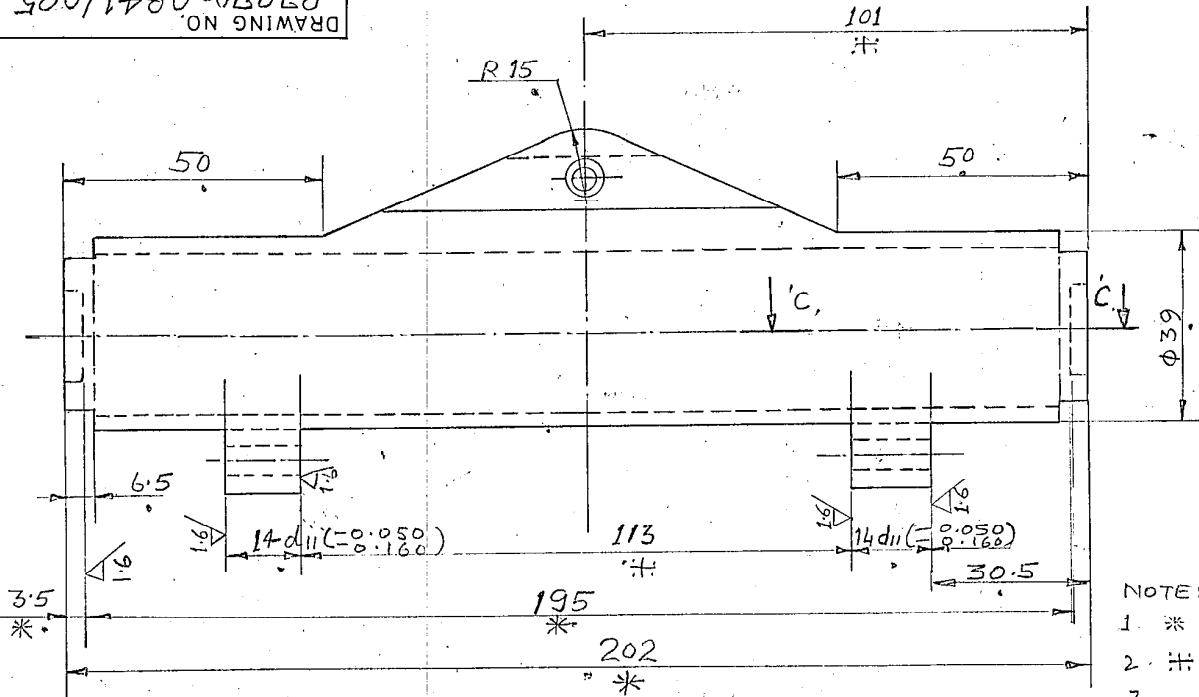
FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm)										Form DG-39																																						
The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in anyway detrimental to the interest of the company.	REV	DATE	ALTERED	REV	DATE	ALTERED	GMS NO./GR. SP. NO.			STATUS OF DRG.																																						
			CHECKED			CHECKED																																										
							AGREED DEPT.	NAME	SIGN	DATE																																						
3.2/ <u>THE REST</u>																																																
NOTE:- HARDEN TO HRC. 30 ÷ 35 AS PER 0912:008																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="width: 20%;">REMARKS</td> <td style="width: 10%;">ITEM NO.</td> <td colspan="2" style="width: 30%;">DESCRIPTION</td> <td style="width: 10%;">29</td> <td style="width: 10%;">31</td> <td colspan="2" style="width: 20%;">MATERIAL CODE</td> <td style="width: 10%;">45</td> <td style="width: 10%;">A</td> <td style="width: 10%;">UNIT WEIGHT</td> </tr> <tr> <td colspan="2"></td> <td></td> <td colspan="2"></td> <td>58</td> <td>59</td> <td colspan="2">VAR. MATERIAL SPECN</td> <td>54</td> <td>55</td> <td>QTY.</td> </tr> </table>												REMARKS		ITEM NO.	DESCRIPTION		29	31	MATERIAL CODE		45	A	UNIT WEIGHT						58	59	VAR. MATERIAL SPECN		54	55	QTY.													
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="width: 40%;">CARD TYPE-3</td> <td colspan="4" style="width: 40%;">CARD TYPE-1</td> <td colspan="4" style="width: 20%;">CARD TYPE-2</td> </tr> </table>												CARD TYPE-3				CARD TYPE-1				CARD TYPE-2																												
CARD TYPE-3				CARD TYPE-1				CARD TYPE-2																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="6" style="width: 60%;"> BHARAT HEAVY ELECTRICALS LTD. HARDWAR </td> <td style="width: 10%;">NAME</td> <td style="width: 10%;">SIGN</td> <td style="width: 10%;">DATE</td> <td style="width: 10%;">NO. OF VAR.</td> </tr> <tr> <td colspan="6" rowspan="2"></td> <td>DRN.</td> <td>CPS.R.CO.</td> <td>K.P.SINGH</td> <td>12-4-96</td> <td rowspan="2"></td> </tr> <tr> <td>CHD.</td> <td>VKG/VKC.</td> <td>Ch</td> <td>1-cum</td> <td>7/5/96</td> </tr> <tr> <td colspan="6" rowspan="2"></td> <td>APPD.</td> <td>M.M.A.</td> <td></td> <td></td> <td></td> </tr> </table>												BHARAT HEAVY ELECTRICALS LTD. HARDWAR						NAME	SIGN	DATE	NO. OF VAR.							DRN.	CPS.R.CO.	K.P.SINGH	12-4-96		CHD.	VKG/VKC.	Ch	1-cum	7/5/96							APPD.	M.M.A.			
BHARAT HEAVY ELECTRICALS LTD. HARDWAR						NAME	SIGN	DATE	NO. OF VAR.																																							
						DRN.	CPS.R.CO.	K.P.SINGH	12-4-96																																							
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						APPD.	M.M.A.																																									
						<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">DEPT.</td> <td style="width: 10%;">GRADE OF UNTOLODIM.</td> <td style="width: 10%;">SCALE</td> <td style="width: 10%;">WEIGHT (KG)</td> <td style="width: 10%;">REF. TO ASSY DRG.</td> <td style="width: 10%;">ITEM NO.</td> <td style="width: 10%;">NO. OF ITEMS</td> </tr> <tr> <td>JTE</td> <td>2/M/F</td> <td>N.T.S.</td> <td>0.01</td> <td></td> <td>6</td> <td></td> </tr> </table>												DEPT.	GRADE OF UNTOLODIM.	SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO. OF ITEMS	JTE	2/M/F	N.T.S.	0.01		6																		
DEPT.	GRADE OF UNTOLODIM.	SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO. OF ITEMS																																										
JTE	2/M/F	N.T.S.	0.01		6																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">TITLE</td> <td style="width: 10%;">CARD CODE</td> <td style="width: 10%;">DRAWING NO.</td> <td style="width: 10%;">REV.</td> </tr> <tr> <td>PIN</td> <td></td> <td>R7870-0841/004</td> <td></td> </tr> </table>												TITLE	CARD CODE	DRAWING NO.	REV.	PIN		R7870-0841/004																														
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">INVENTORY NO.</td> <td style="width: 50%;">SIZE A4</td> </tr> <tr> <td>195505</td> <td></td> </tr> </table>												INVENTORY NO.	SIZE A4	195505																																		
INVENTORY NO.	SIZE A4																																															
195505																																																

FIRST ANGLE PROJECTION

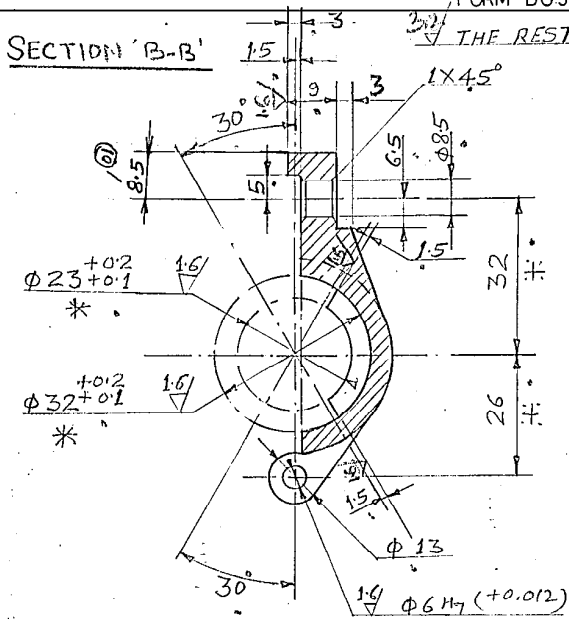
(ALL DIMENSIONS ARE IN mm)

FORM DG38(B)

DRAWING NO. R7870-0841/005



SECTION 'B-B'



NOTE:-

1. * TO BE CARRIED OUT WITH ASSEMBLED PARTS.
2. † TO BE CORRESPONDED WITH ITEM NO. 8
3. ROUND OFF SHARP EDGES
4. HARDEN TO HRC. 30-35 AS PER DG12-008

VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	STO	DRAWING NO.	40 C8	15.551.7	1	UNIT WEIGHT
59	64 65	75 25 27 29	58 69 60	77	32 33 46	54 55 65 66	71 72		
CARD TYPE 3 28					28 → CARD TYPE 1				
28 → CARD TYPE 2									

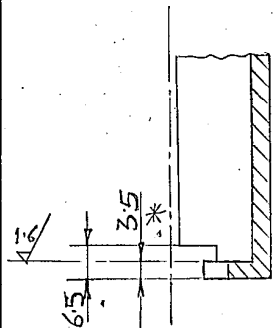
GMS NO./GR.SP. NO.			STATUS OF DRG.	TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT
AGREED DEPT.	NAME	SIGN	DATE	

GRADE OF UNTOL. DIM. →				NAME				NO. OF VAR.	
M/CG-C/M/F AA 0230208				DRN CPS & CO. K.P. SINGH 20-4-94				73 74	
WELDING-A/B/C/D AA 0621104				CHD VAG/VHC Q. 1-emp. 7/5/94				75 76	
GAS CUTTING 'T3' AA 0621101				APD				77 78	
REV DATE	ALTERED	REV DATE	ALTERED	DEPT. JTE	SCALE	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEMS
01	7.XI.06	01	7.XI.06	209	N.T.S.	0.7		7	75 77
JTE/DFP/2006/050				TITLE HALF CASE				DRAWING NO. R7870-0841/005	
								SHEET NO. NO. OF SHEETS	

SIZE A3

ELECTRICIANS LIMITED II MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

INVENTORY NO. 1-22305 SIGN & DATE REF. DRG. NO.



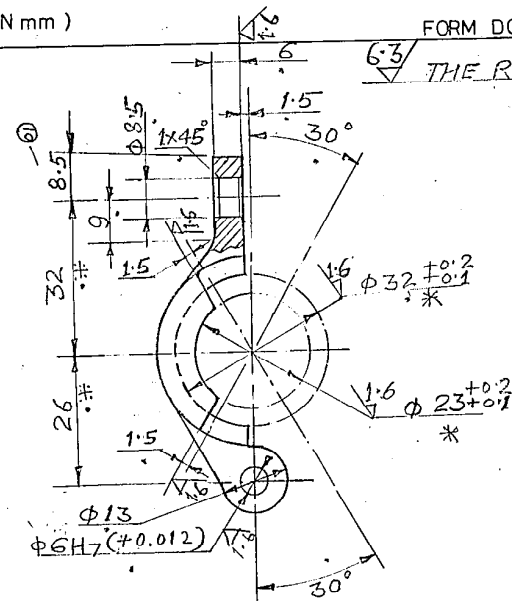
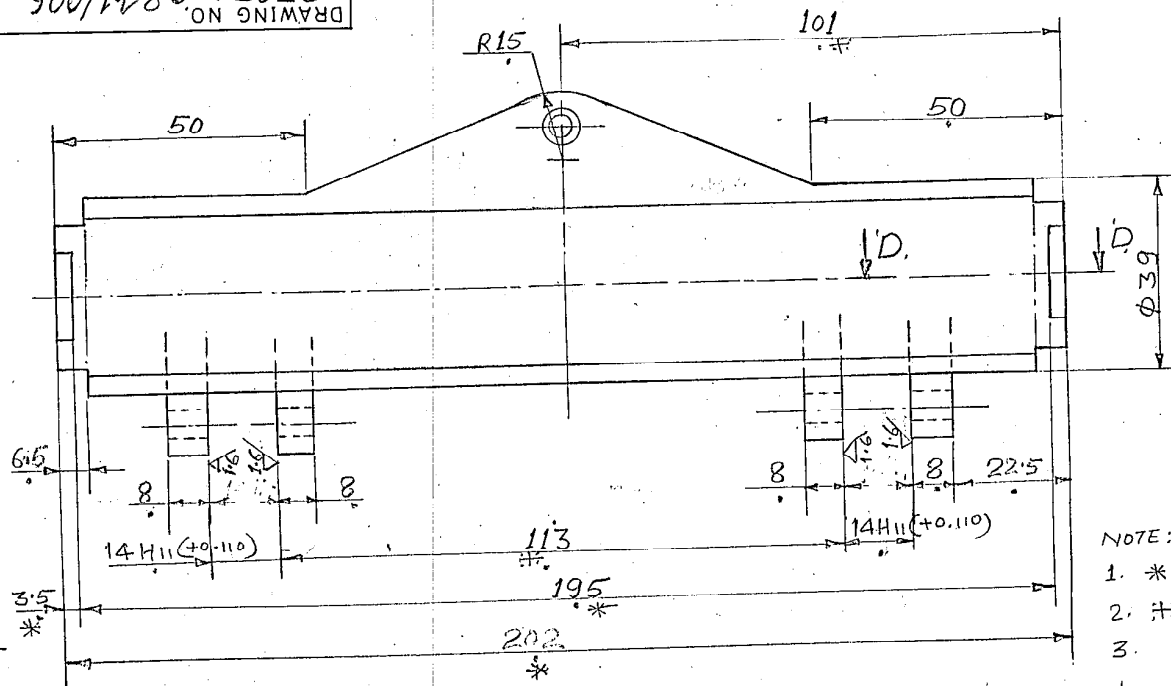
SECTION-C-C

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

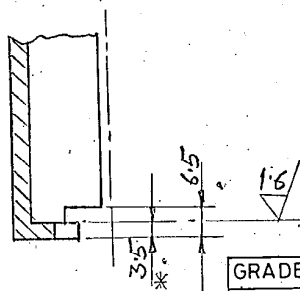
FORM DG38(B)

DRAWING NO. R7870-0841/006



NOTE:-

1. * TO BE CARRIED OUT WITH ASSY. PARTS.
2. # TO BE CORRESPOND WITH ITEM NO.7
3. ROUND OFF SHARP EDGES.
4. HARDEN TO HRC 30-35 AS PER 0912.008



SECTION "DD"

VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	SID	DRAWING NO.	MATERIAL CODE	UNIT WEIGHT
59	64 65	75 25 27 29	28	58 69 60	77	32 33 46	56 55 65 76
CARD TYPE 3				CARD TYPE-1			
GMS NO/GR. SP. NO.				STATUS OF DRG.			
AGREED	NAME	SIGN	DATE	TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT			
DEPT.	JTE	SCALE	WEIGHT (kg)	REF. TO ASSY. DRG.			
CODE	209	N.T.S.	0.7	ITEM NO. 8			
TITLE				DRAWING NO. R7870-0841/006			
SHEET NO.				NO. OF SHEETS			

GMS NO/GR. SP. NO.

STATUS OF DRG.

TYPE OF PRODUCT

OR NAME OF CUSTOMER / PROJECT

AGREED

NAME

SIGN

DATE

BHARAT HEAVY ELECTRICALS LTD.
HARDWARE

NAME

SIGN

DATE

NO. OF

VAR.

DRN

CPSR CO.

KPS SINGH

20.4.91

7/80

CHD

NKG. NKG.

U. Singh

7/80

73/74

APD

M.M.A.

NO. OF

ITEMS

75/77

GRADE OF UNTOL. DIM. —

M/CG-R/M/LF AA 0230208

WELDING-A/B/C/D AA0621104

GAS CUTTING 'T3' AA0621101

REV. DATE

ALTERED

CHECKED

REV. DATE

ALTERED

VSC.

01 7.XI.06

CHECKED

GKA

JTE/DFP/2006/050

DEPT. JTE

CODE 209

TITLE

HALF CASE

DRAWING NO.

R7870-0841/006

SHEET NO.

NO. OF SHEETS

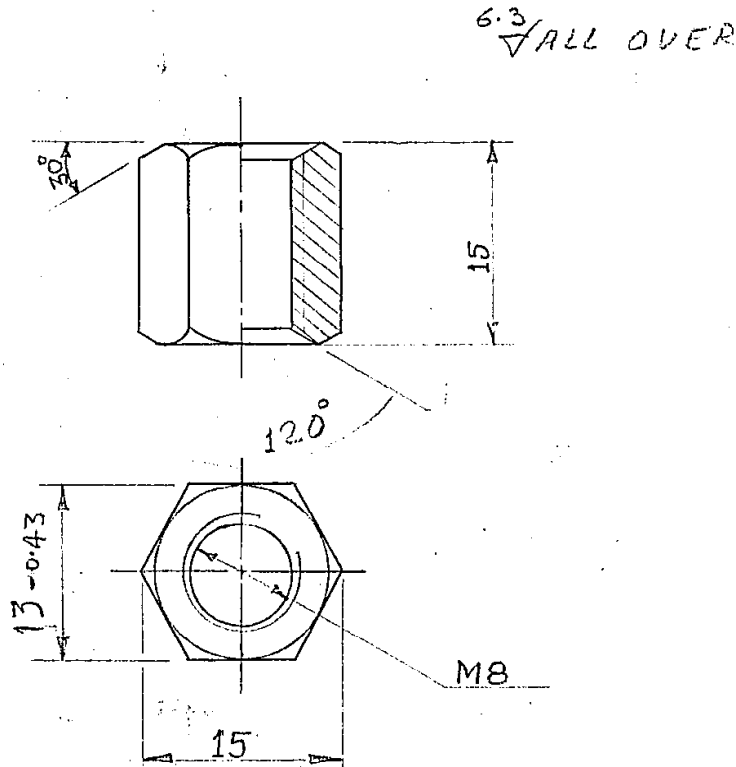
SIZE A3

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR.SP. No.	STATUS OF DRG.	
		CHECKED			CHECKED		AGREED	NAME
							DEPT.	SIGN
								DATE

GRADE OF UNTOL. DIM. M/CGC/M/FAA0230208 WELDING A/B/C/D AA0621104 GASCUTTING-T3 AA0621101



HARDEN TO HRC 30-35 AS PER 0912.008

REF. DRG. No.

SIGN & DATE

INVENTORY No.

REMARKS	ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65	75 25 27 29	58 59	40 CR 15-5517	58 65
CARD TYPE 3	28	CARD TYPE 1	CARD TYPE 2	
BHARAT HEAVY ELECTRICALS LTD.		DRN	NAME	SIGN
HARDWAR		CHD	V.KG/VKC	DATE
		APD		No. OF VAR.
DEPT. JTE	SCALE	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM No.
CODE. 209	2:1	0.01	R7870-0841	75, 77
TITLE		DRAWING No.		
NUT M8X15 Thick		R7870-0841/007		
		SHEET No.		
		No OF SHEETS		

SIZE A4

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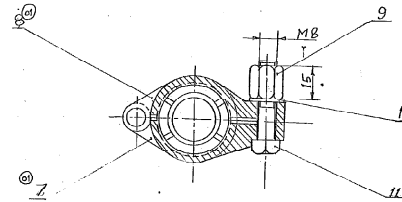
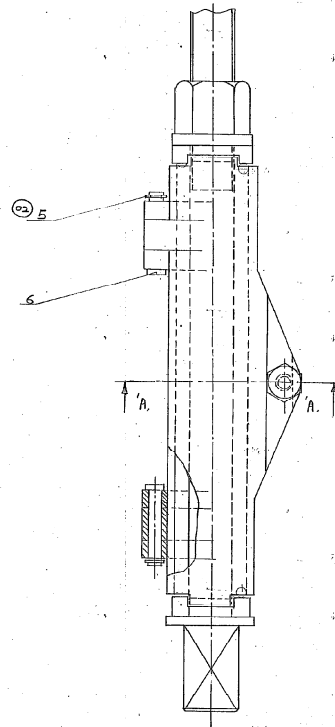
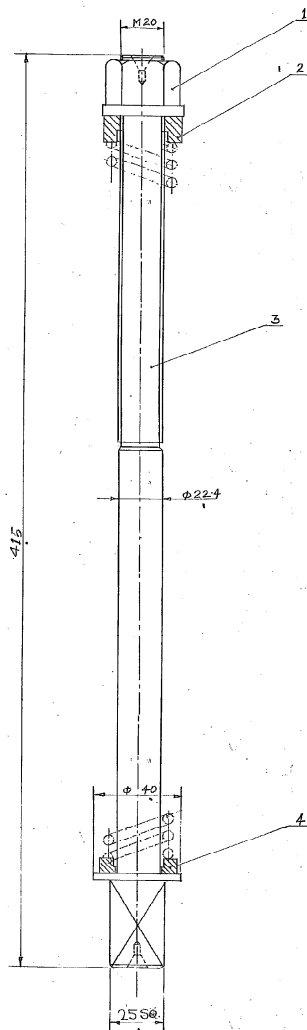
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1-95505

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG 45(B)

1780-010841
ON 5NIMV80

SECTION A-A.

NOTE: TO BE CONSERVED AS PER TL-30007

MARK
R7870-0841
76/62 SRGM.

11	BOLT M8x35	31.8920.137	40	0.02
10	WASHER	31.8950.007	13.1347	0.002
9	NUT-M8	R7870-0841/007	40 C8	0.01
8	HALF CASE	R7870-0841/006	40 C8	0.01
7	HALF CASE	R7870-0841/005	40 C8	0.01
6	PIN	R7870-0841/004	40 C8	0.01
5	SPRING PAWLS	R7870-0841/003	40 C8	0.01
4	WASHER	R7870-0841/002	40 C8	0.01
3	SHAFT	R7870-0841/001	40 C8	0.01
2	WASHER	R7870-0841/001	40 C8	0.01
1	COLLAR NUT M20	33203.020	40 C8	0.01

VAR. 00	REMARKS	DESCRIPTION	DRAWING NO.	MATERIAL CODE	UNIT WEIGHT
VAR. 01					
VAR. 02					
VAR. 03					
VAR. 04					
VAR. 05					
VAR. 06					
VAR. 07					
VAR. 08					
VAR. 09					
VAR. 10					
VAR. 11					
VAR. 12					
VAR. 13					
VAR. 14					
VAR. 15					
VAR. 16					
VAR. 17					
VAR. 18					
VAR. 19					
VAR. 20					
VAR. 21					
VAR. 22					
VAR. 23					
VAR. 24					
VAR. 25					
VAR. 26					
VAR. 27					
VAR. 28					
VAR. 29					
VAR. 30					
VAR. 31					
VAR. 32					
VAR. 33					
VAR. 34					
VAR. 35					
VAR. 36					
VAR. 37					
VAR. 38					
VAR. 39					
VAR. 40					
VAR. 41					
VAR. 42					
VAR. 43					
VAR. 44					
VAR. 45					
VAR. 46					
VAR. 47					
VAR. 48					
VAR. 49					
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VAR. 83					
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VAR. 85					
VAR. 86					
VAR. 87					
VAR. 88					
VAR. 89					
VAR. 90					
VAR. 91					
VAR. 92					
VAR. 93					
VAR. 94					
VAR. 95					
VAR. 96					
VAR. 97					
VAR. 98					
VAR. 99					
VAR. 100					

GRADE OF UNTOL. DIM. ---
M/C/G-01/M/F AA 0230208
WELDING-A/B/C/D AA0621104
GAS CUTTING-T3 AA0621101
REVDATE ALTERED 228-1/1
02/11/11 MCH/EC/AFN
JTE/DFM/07/072.

TYPE OF PRODUCT
16/62 SRGM.
SIGN DATE
JTE/DFM/07/072.

COMP. DRG. NO. M/C TOOL TRANS NO.
WORK ORDER NO. M/C TOOL MODEL NO.
BHP DRG. 030.
NAME
BHARAT HEAVY ELECTRICALS LTD.
CHIVKING, MCH/EC/AFN
M/LA. 1/1/11
N.T.S.
SCALE
2.7
WEIGHT (kg) REF. TO ASSY DRG.
ITEM NO.
DRAWING NO.
R7870-0841
TOTAL SHEETS 10/11 M/C-17
SIZE A1

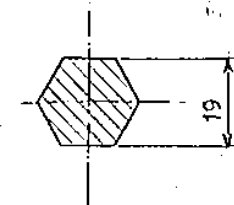
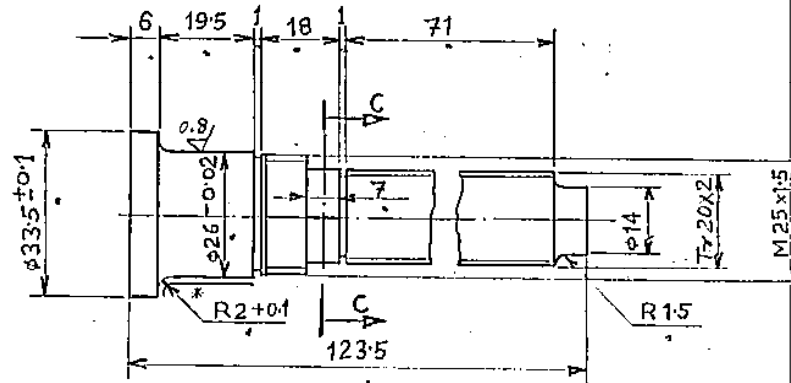
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG 38(B)

3.2
THE REST

SECTION C-C



NOTE:

1 ROUND OFF SHARP EDGE.

* 2 CARBURISE & HARDENED / NITRIDE

TO HRC 55 ÷ 60 AS PER
0912.002.

VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	MATERIAL CODE	UNIT WEIGHT
59	64	55	75	25	29	58
CARD TYPE 3			28	CARD TYPE-1		28
CARD TYPE 3			28	CARD TYPE-1		28
CARD TYPE 3			28	CARD TYPE-1		28

GMS NO./GR. SP. NO.

STATUS OF DRG.

TYPE OF PRODUCT

OR

NAME OF CUSTOMER / PROJECT

AGREED

NAME

SIGN

DATE

GRADE OF UNTOL. DIM. —

M/CG-2/M/F AA 0230208

WELDING-A/B/C/D AA0621104

GAS CUTTING 'T3' AA0621101

REV DATE

ALTERED

CHECKED

REV DATE

ALTERED

CHECKED

DEPT. J.T.E.

CODE 209

TITLE

BHARAT HEAVY ELECTRICALS LTD.
HARDWAR.

NAME

SIGN

DATE

NO. OF

VAR.

DRN

N.D.D

CHD

VLC

APD

11/1/14

REF. TO ASSY. DRG.

R7870-0842

DRAWING NO.

R7870-0842/001

SHEET NO.

NO. OF SHEETS

SIZE A3

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REF. DRG. NO.

SIGN & DATE

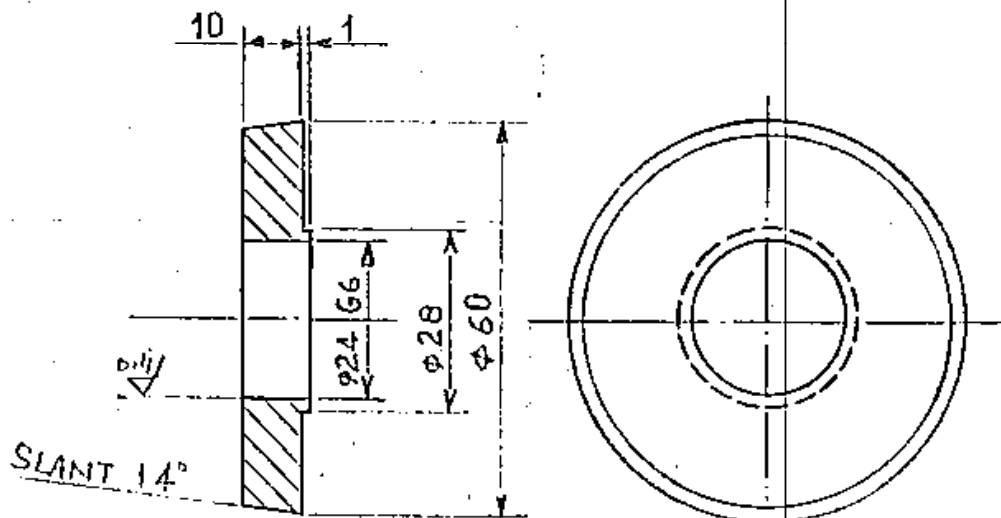
INVENTORY NO.
1-9549

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR. SP. No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
							SIGN
							DATE
GRADE OF INTOL. DIM. M/CG/M/AA0230208						WELDING A/B/C/D AA0621104	CAS CUTTING-T3 AA0621101

3.2 / THE REST



NOTE: ROUND OFF SHARP EDGE.
CARBURISE & HARDENED TO HRC 58-62
AS PER 0912.002

REF. DRG. No.	13N130Y80		13.1520					
	MATERIAL CODE		MATERIAL SPEC		UNIT WEIGHT			
REMARKS	ITEM No.	DESCRIPTION	VAR					
65	75	25 27 29	58	31 32 33 34	45	54 55 56 57 66	71	
CARD TYPE 3	28	CARD TYPE 1	28	CARD TYPE 2				
SIGN & DATE	BHARAT HEAVY ELECTRICALS LTD.		DRN	NDD	SIGN	DATE	No. OF VAR	
	HARDWAR		CHD	VILL		11/6/94		
			APD					
INVENTORY No.	DEPT. JTE	SCALE	WEIGHT (kg)	REF TO ASSY. DRG.	ITEM No.	No. OF ITEMS		
	CODE 209	N.T.S.	0.19	R7870-0542	2	75, 77		
	TITLE	WHEEL		DRAWING No.	R7870-0242/002			
				SHEET No.	No. OF SHEETS			

SIZE A4

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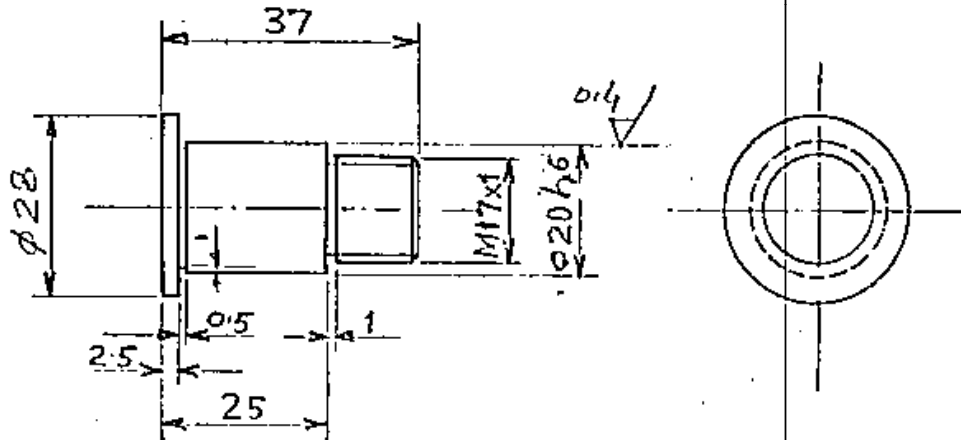
1-25549

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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR. SP. No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME SIGN DATE
GRADE OF INTOL. DIM. M/CGZ/M/FAA0230208						WELDING A/B/C/D AA0621104	GAS CUTTING-T3 AA0621101



NOTE:- ROUND OFF SHARP EDGE

CARBURISE & HARDENED TO HRC 58-62
AS PER 0912.002 EXCEPT THREADS.

REMARKS	ITEM No.	DESCRIPTION	STD	VAR	MATERIAL CODE	UNIT WEIGHT
65	75 25 27 29	58	59	32, 33, 26	54 55 56 57 58	71
CARD TYPE 3	28	CARD TYPE 1	28	CARD TYPE 2		
Bharat Heavy Electricals Ltd. HARDWARE			DRN	NAME	SIGN	DATE
			CHD	VRL		11/6/11
			APD			73/74
DEPT/ITE	SCALE	WEIGHT (kg)	REF TO ASSY. DRG.	ITEM No.	No OF ITEMS	
CODE 209	NTS	0.09	R7870-0842	3	75, 77	
TITLE PIN			DRAWING No.		22 23 24	
			SHEET No.		No OF SHEETS	

SIZE A4

1-9549

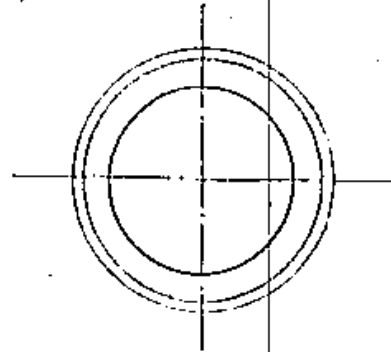
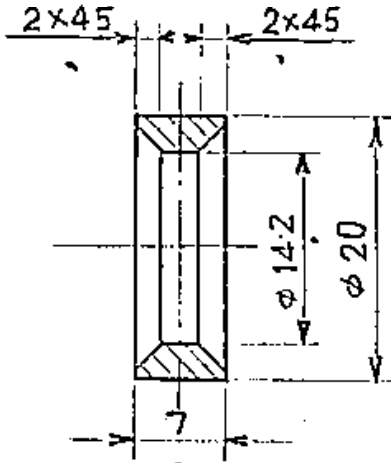
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FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No.	GR-SP No.	STATUS OF DRG	
		CHECKED			CHECKED				
						AGREED DEPT.	NAME	SIGN	DATE

GRADE OF INTOL. DM. M/CGC/M/FAA0230208 WELDING A/B/C/D AA0521104 GASCUTTING-T3 AA0621101

3.2 $\sqrt{\text{ALL OVER}}$ 

NOTE:- ROUND OFF SHARP EDGE.

REF. DRG. No.		SIGN & DATE		INVENTORY No.	
		SIGN & DATE		INVENTORY No.	
REMARKS		ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65		75 25 27 29	58 59 32 33 46	54 55 56 57 66	71
CARD TYPE 3		28	CARD TYPE 1	28	CARD TYPE 2
Bharat Heavy Electricals Ltd.		DRN		NAME	SIGN
HARDWAR		CHD		DATE	No. OF VAR
		APD			
DEPT. JTE		SCALE	WEIGHT (kg)	REF TO ASSY. DRG.	ITEM No.
CODE 209		NTS	0.01	R7870-0842	4
TITLE		STOPPER		DRAWING No.	No. OF SHEETS
				R7870-0842/001	22 23 24
				SHEET No.	No. OF SHEETS

SIZE A4

1-9549

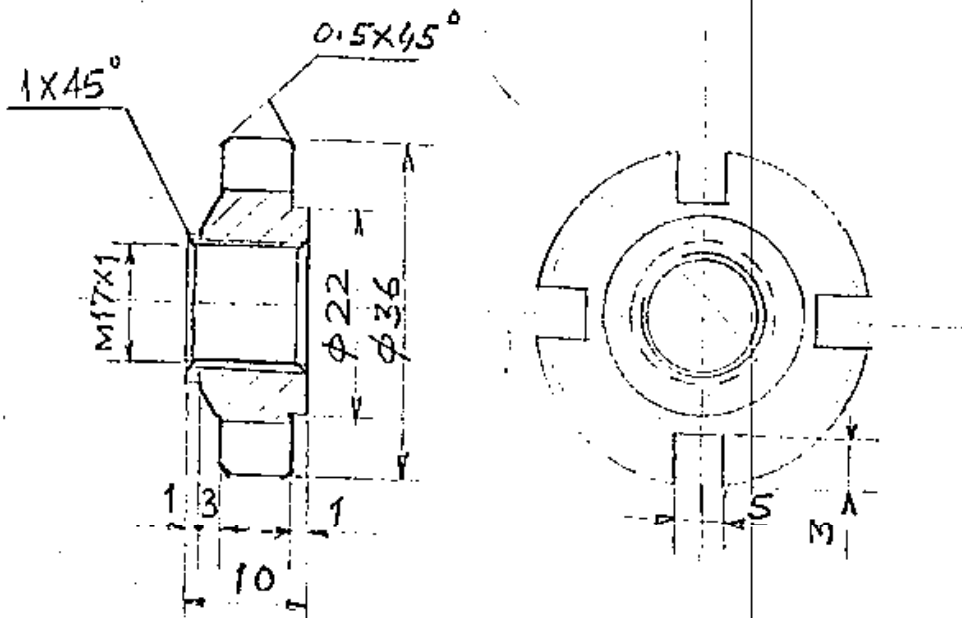
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR-SR No.	STATUS OF DRG.
		CHECKED			CHECKED		
						APPROVED DEPT.	NAME
							SIGN
							DATE

GRADE OF UNTOL. DIM. M/COG/M/FAA0230208 WELDING A/B/C/D AA0621104 GASCUTTING-T3 AA0621101

6.3 / ALL OVER



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REF. DRG. No.

SIGN & DATE

INVENTORY No.

REMARKS	ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65	75	25 27 29	58	65
CARD TYPE 3	28	29	CARD TYPE 1	28
CARD TYPE 2		CARD TYPE 2		
Bharat Heavy Electricals Ltd. HARDWARE		NAME SIGN DATE No. OF VAR.		
DEPT. JTE		DRN N.D.D.		
CODE. 209		CHD VKG/VKC		
TITLE RING NUT M17x1		APD M MA		
SCALE 1:1		REF TO ASSY. DRG. R7870-0842		
WEIGHT (kg) 0.05		ITEM No. 6		
DRAWING No. R7870-0842/005		SHEET No. No OF SHEETS		

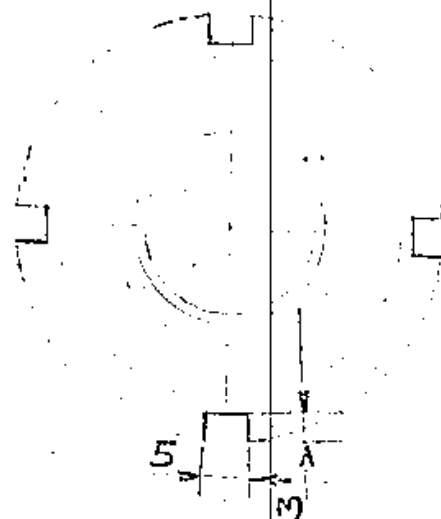
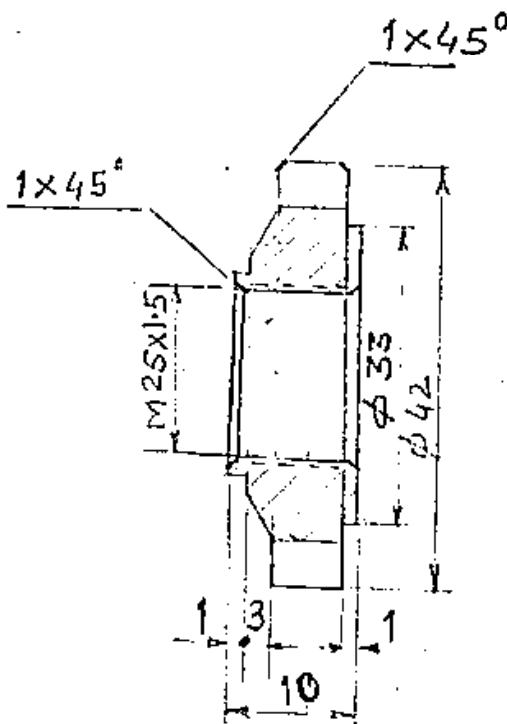
SIZE A4

1-2549

ELECTRICALS LIMITED IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR.SP. No.	STATUS OF DRG.
		CHECKED			CHECKED		
						APPROVED DEPT.	NAME
						SIGN	DATE
GRADE OF INTOL. DIM. M/CGC/M/AA0230208						WELDING A/B/C/D AA0621104	GAS CUTTING-T3 AA0621101



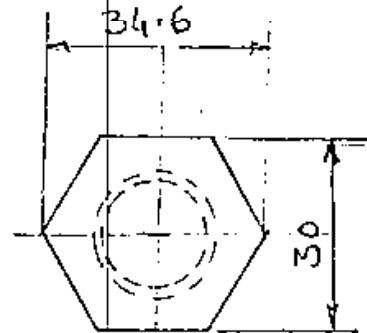
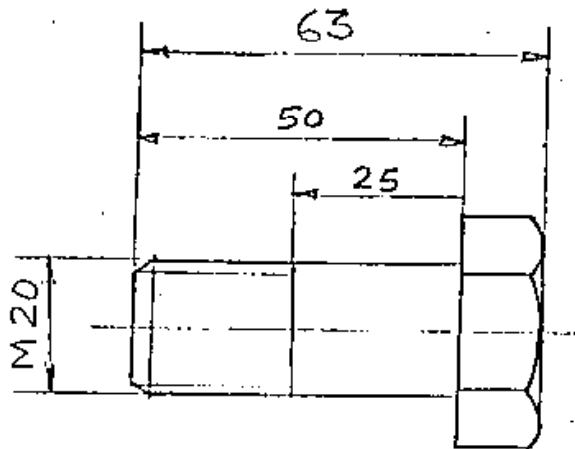
REMARKS	ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65	75 25 27 29	58 59	4068 13:1570	1
CARD TYPE 3	28	CARD TYPE 1	CARD TYPE 2	
BHARAT HEAVY ELECTRICALS LTD.		NAME	SIGN	DATE
HARDWAR		DRN	N.D.D.	
		CHD	V.K.C.	11/6/89
		APD		
DEPT. JTE	SCALE	WEIGHT (kg)	REF TO ASSY. DRG.	ITEM No.
CODE. 209	N.T.S.	0.055	R7870-0842	8
TITLE		DRAWING No.		
RING NUT, M25X1.5		R7870-0842/006		
		SHEET No.		
		No OF SHEETS		

SIZE A4

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR-SP No.	STATUS OF DRG.
		CHECKED			CHECKED		
						APPROVED DEPT.	NAME
							SIGN.
							DATE
GRADE OF UNTO. DIM. M/CG/L/M/FAA0230208						WELDING A/B/C/D AA0621104	GAS CUTTING-T3 AA0621101



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REF. DRG. No.					57 8 8			
					15-1367			
SIGN & DATE	REMARKS	ITEM No.	DESCRIPTION	29	31	MATERIAL CODE	A	UNIT WEIGHT
	65	75 25 27 29	58	59	32 33 45	VAR MATERIAL SPEC. C	54 55 56 57 66	71
INVENTORY No.	CARD TYPE 3	28	CARD TYPE 1	28	CARD TYPE 2			
	BHARAT HEAVY ELECTRICALS LTD. HARDWAR			DRN	NAME	SIGN	DATE	No. OF VAR
DEPT. JTE	CODE 209	SCALE 1:1	WEIGHT (kg) 0.15	REF TO ASSY. DRG.	ITEM No.			
	TITLE SCREW M 20			DRAWING No.	R 7870-0842/007			
				SHEET No.	No OF SHEETS			

SIZE A4

✓ THE REST,

[illegible]

ENGRAVE ARROW
AND COLOR YELLOW

* 2. CARBURISE & HARDEN TO HRC 55+60
AS PER CG 12.002

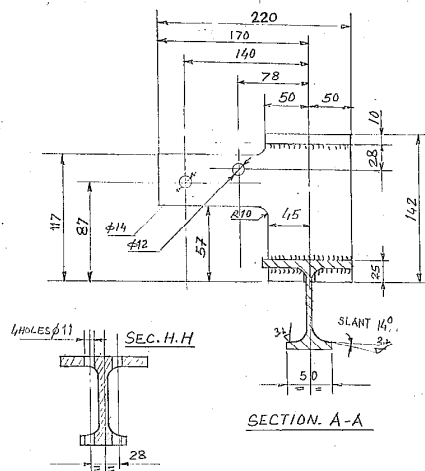
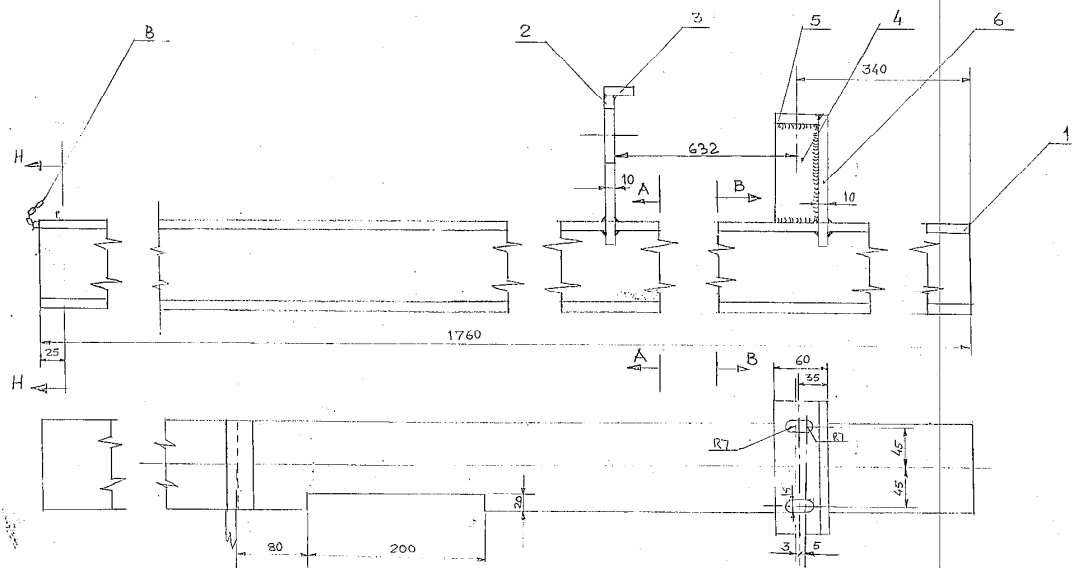
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SIZE A3

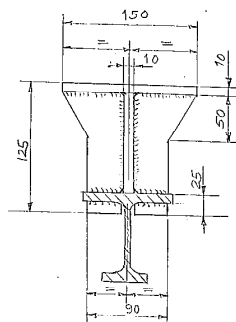
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG 45(B)



SECTION A-A



SECTION-B-B

NOT SHOWN.

8	CHAIN, L=500	PURCHASED.	FE 410S	13.226	1
7	U-CLAMP	R7870-0842/024	C 40	15.1570	1
6	PLATE	R7870-0842/023	FE 410S	15.226	1
5	PLATE 150X300X10	—	FE 410S	15.226	1
4	RIB 70 X 50 X 10	—	FE 410S	15.226	1
3	PLATE 100X300X10	—	FE 410S	15.226	1
2	PLATE	R7870-0842/022	FE 410S	15.226	1
1	I-BEAM	R7870-0842/021	FE 410S	15.226	1

VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	MATERIAL CODE	UNIT WEIGHT
01		01				
02		02				
03		03				
04		04				
05		05				
06		06				
07		07				
08		08				
09		09				
10		10				
11		11				
12		12				
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14		14				
15		15				
16		16				
17		17				
18		18				
19		19				
20		20				

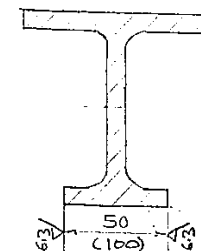
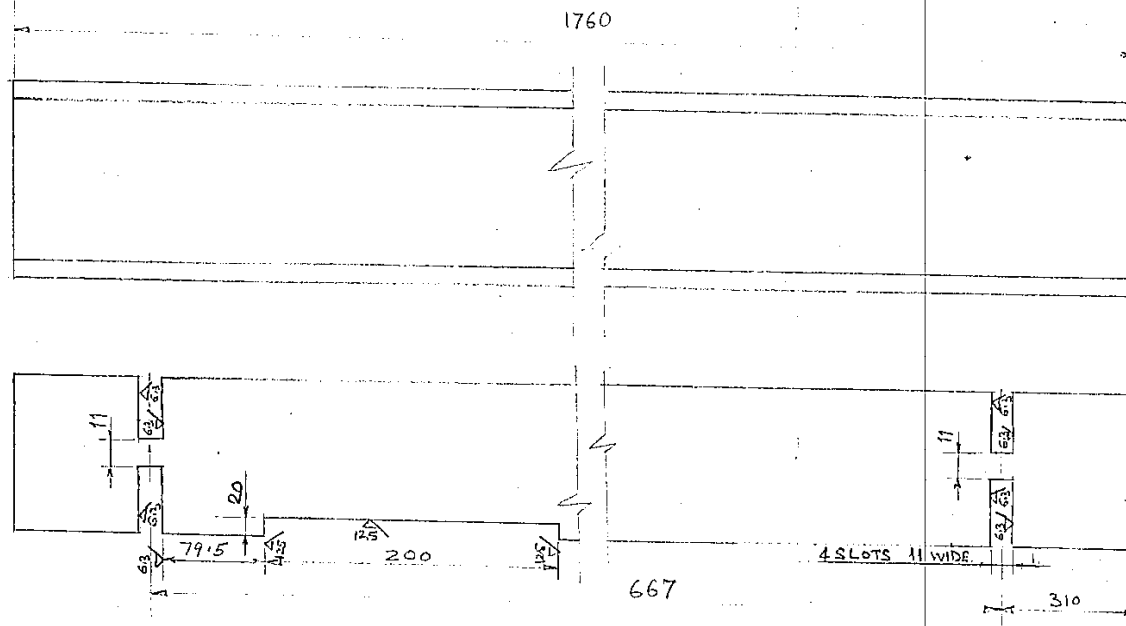
GRADE OF UNTOL. DIM. —		TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT	
M/C/G-Z/M/F AA0230208		BHARAT HEAVY ELECTRICALS LTD.	
WELDING-A/B/C/D AA0521104		HARDWARE	
GAS CUTTING-T/S AA0621101		NAME SIGN DATE NO. OF PAR.	
REV. DATE ALTERED CHECKED		DEPT. J.T.E. SCALE WEIGHT (KG) REF. TO ASSY. DRG. N.T.S. 40	
REV. DATE ALTERED CHECKED		TITLE SLIDE	
REV. DATE ALTERED CHECKED		DRAWING NO. R7870-0842/023	
REV. DATE ALTERED CHECKED		SHEET NO. NO. OF SHEETS	

INVENTORY NO. 195419
 DRAWING NO. R7870-0842/023
 SHEET NO. 10
 DATE 13/07/19
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FIRST ANGLE PROJECTION (ALL DIMENSIONS IN mm)

FORM DG 44(B)

DRAWING NO. R7870-0842/021



VAR.00		REMARKS		ITEM NO.	DESCRIPTION	DWG. NO.	MATERIAL CODE		UNIT WEIGHT		ZONE	
59	64	65	75	25	27	29	58	59	60	77	54	55
CARD TYPE - 3 → 28						28 → CARD TYPE - 1						
GMS NO. / GR. SP. NO.						STATUS OF DRG.						
AGREED DEPT.						NAME SIGN DATE						
GRADE OF UNTOL. DIM. :-						TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT						
M / CG - C / M / F AA 0230208						Bharat Heavy Electricals Ltd. HARDWARE						
WELDING - A/B/C/D-AA 0621104						DEPT. 37C						
GAS CUTTING - T3' AA 0621101						CODE 209						
REV. DATE						SCALE						
ALTERED						1:2						
CHECKED						WEIGHT (kg.)						
ZONE						35.9						
TITLE						I-BEAM						
DRAWING NO.						REF. TO ASSY. DRG.						
R7870-0842/021						R7870-0842/021						
SHEET NO.						1						

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INVENTORY NO. SIGN & DATE REF. DRG. NO.

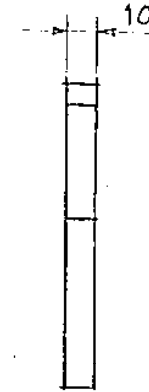
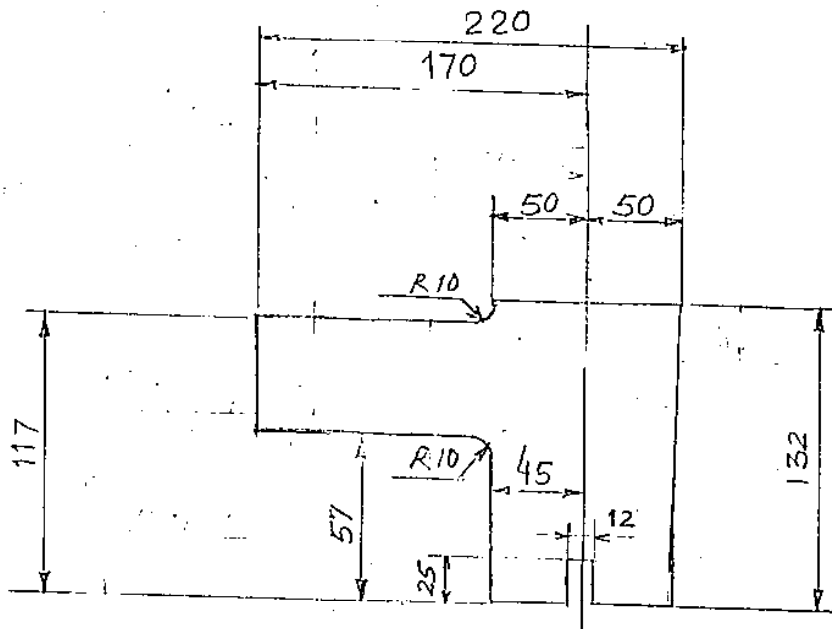
1-2249

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

FORM DG38(B)

63/ ALL OVER.



VAR. 00	REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	FC 41PE	15:22-6	UNIT WEIGHT	NO. OF
59	64 65	75 25 27 29	58 69 60	77	29 31	MATERIAL CODE	58	63
CARD TYPE 3 28				28 -- CARD TYPE-1		28 -- CARD TYPE-2		
GMS NO./GR.SP. NO.		STATUS OF ORG.	TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT		UNIT			
32 33 34		35	36		37 38 39 40			

GRADE OF UNTOL. DIM. :-
 M/CG-~~G~~M/F AA 0230208
 WELDING-A/B/C/D AA0621104
 GAS CUTTING 'T3' AA 0621101

AGREED	NAME	SIGN	DATE
DEPT.			
REV/DATE	ALTERED	REV/DATE	ALTERED
	CHECKED		CHECKED

BHARAT HEAVY ELECTRICALS LTD.		NAME	SIGN	DATE	NO. OF
HARDWAR.		DRN	N.D.D		VAR.
		CHD	V.K.C	13.6.9	
		APD			73/74
DEPT. JTE	SCALE	WEIGHT (kg)	REF. TO ASSY. ORG.		ITEM NO.
CODE 209	N.T.S	1.02	R7870-0842/020		75/77
TITLE		DRAWING NO.		NO. OF SHEETS	
PLATE		R7870-0842/022		23, 24	
		SHEET NO.			

SIZE A3

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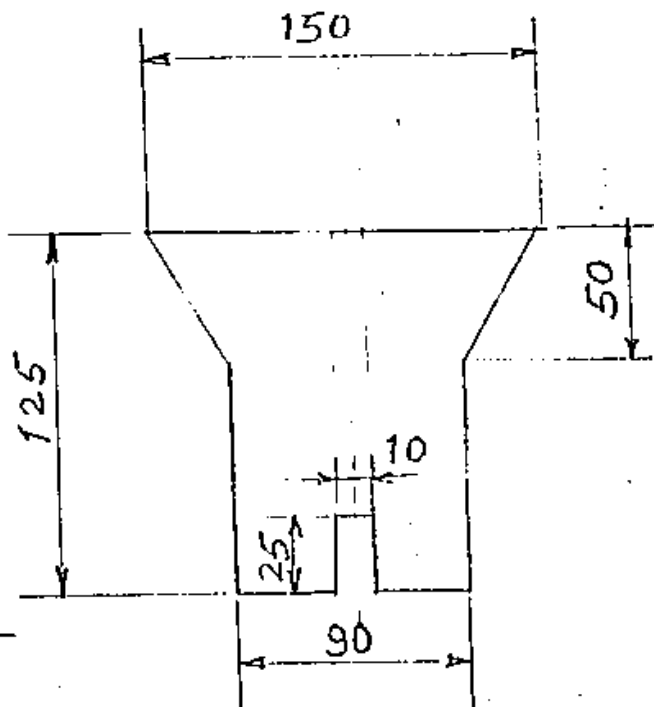
INVENTORY NO. SIGN & DATE REF. DRG. NO.

FIRST ANGLE PROJECTION

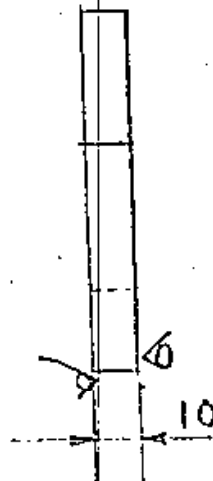
(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR. SP. No.	STATUS OF ORG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME SIGN DATE

GRADE OF INTOL. DIM. M/C GCM/AA0230208 WELDING A/B/C/D AA0621104 GASCUTTING-T3 AA0621101



63/ ✓ THE REST.



REF. DRG. No.

SIGN & DATE

REMARKS	ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65	75 25 27 29	58 150 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	FC 410S 15:22:6	58 65

CARD TYPE 3	CARD TYPE 1	CARD TYPE 2
28	28	28

BHARAT HEAVY ELECTRICALS LTD.
HARDWAR

NAME	SIGN	DATE	No. OF VAR
DRN: N. S. D.			
CHD: VIL C	-ee-	11-69	
APD:			

INVENTORY No.

DEPT. JTE	SCALE	WEIGHT (kg)	REF. TO ASSY DRG.	ITEM No.	No. OF ITEMS
CODE 209	N.T.S.	1.17	R7870-0842/010	6	75, 71

TITLE	DRAWING No.	SHEET No.	No. OF SHEETS
PLATE	R7870-0842/023		

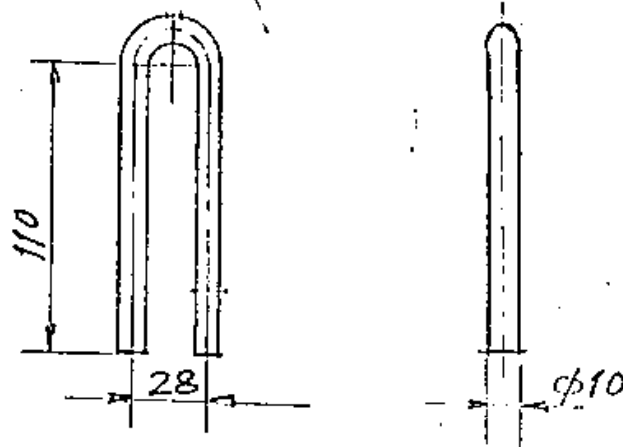
SIZE A4

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1-9549

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR-SR No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED OF PT.	NAME
							SIGN
							DATE
GRADE OF UNTOL. DIM. M/CGC/M/AA0230208 WELDING A/B/C/D AA0621104 GASCUTTING-T3 AA0621101							



DEVELOPMENT LENGTH = 264

REF. DRG. No.

SIGN & DATE

INVENTORY No.

REMARKS	ITEM No.	DESCRIPTION	4068	15.1574	MATERIAL CODE A	UNIT WEIGHT
65	75 25 27 29	50 53 32 33 45	VAR	MATERIAL SPEC. C	54 55 56 57	58 65 71
CARD TYPE 3	28	CARD TYPE 1	28	CARD TYPE 2		
BHARAT HEAVY ELECTRICALS LTD. HARDWAR			DRN	NAME	SIGN	DATE
			CHD	V.K.L.		11.6.91
			APD			73 74
DEPT. JTE	SCALE	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM No.	No. OF ITEMS	
CODE 209	N.T.S	0.16	R7870-0842/010	7	75, 77	
TITLE U-CLAMP			DRAWING No.	R7870-0842/024		
			SHEET No.	No OF SHEETS		

SIZE A4

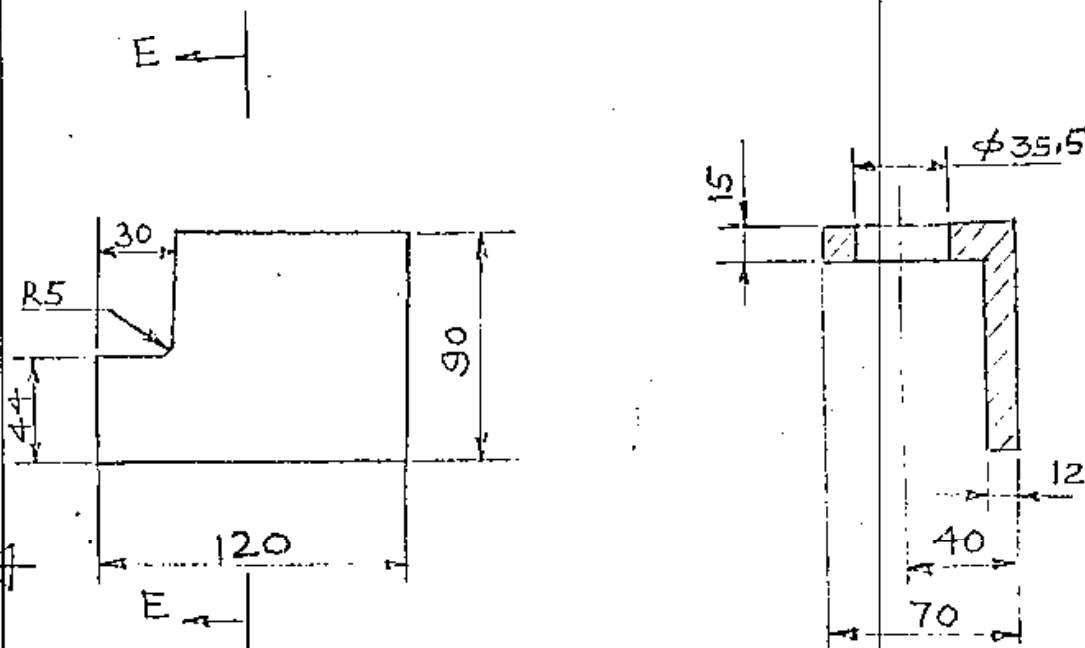
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1-9544

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR. SP. No.	STATUS OF DRG.
		CHECKED			CHECKED		
						APPROVED DEPT.	NAME SIGN DATE
GRADE OF UNTOL. DIM. M/CGZ/M/AA023020B						WELDING A/B/C/D AA0621104	GAS CUTTING-T3 AA0621101



SECTION. E-E

REF. DRG. No.	13N/3CY80		151574			
	REMARKS	ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT	
SIGN & DATE	65	75	25	27	29	58
	CARD TYPE 3	28	CARD TYPE 1	28	CARD TYPE 2	28
INVENTORY No.	BHARAT HEAVY ELECTRICALS LTD.		HARDWAR			
	DEPT. JTE.	CODE. 209	SCALE	WEIGHT (kg)	REF TO ASSY. DRG.	ITEM No.
			N.T.S	0.6	R7870-0842/030	1
	TITLE		ANGLE		DRAWING No.	
					SHEET No.	No OF SHEETS

SIZE A4

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1-95549

Technical drawing of a mechanical part, likely a bracket or support, showing front and side views with dimensions.

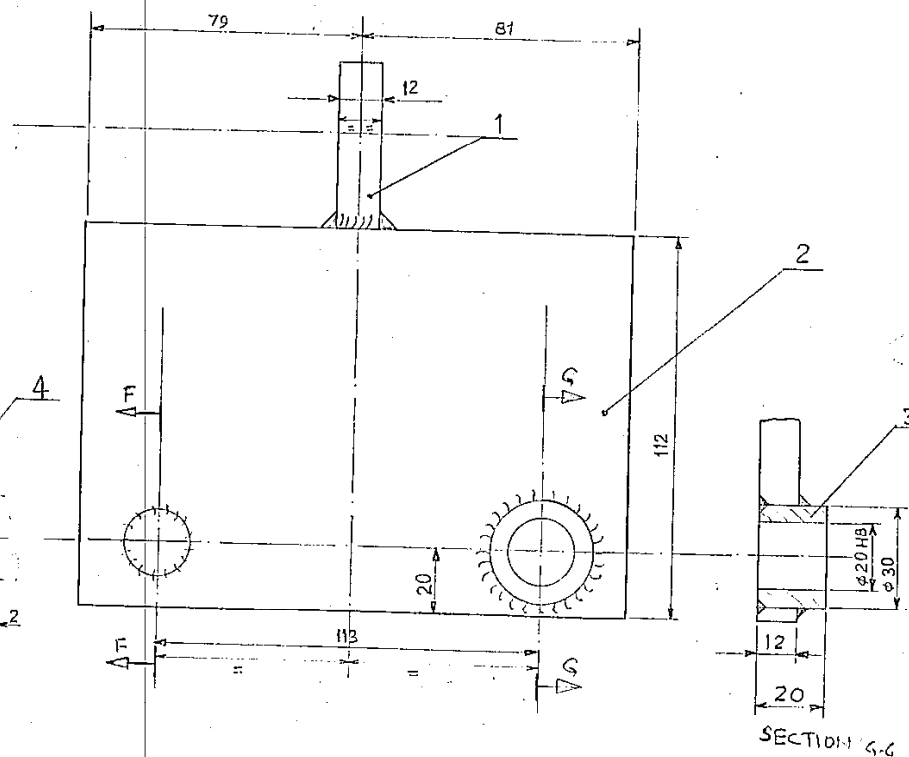
Front View (Top):

- Overall width: 106
- Top triangular section: apex radius $R22$, base width 106, height 18.
- Base thickness: 10

Side View (Bottom):

- Overall height: 28
- Base thickness: 12
- Internal width: 138
- Internal height: 11

SECTION 'E-F'



NOTES:

1. ALL WELDING SEAMS ARE 5MM THICK.
2. STRESS RELIEVING, TO BE DONE AFTER WELDING, AS PER HW 064-1099.

4.	LUG.	R7876-6842/D43	13N135C80	15:1570	0.1	
3	BUSH 430/120	—	13N135C80	15:1570	0.1	
2	U-BASE	R7876-6842/D42	13N135C80	15:1570	5	
1	PLATE	R7876-6842/D41	13N135C80	15:1570	1	
ITEM NO.	DESCRIPTION	STD	DRAWING NO.	MATERIAL CODE	UNIT WEIGHT	QTY
25	28 → CARD TYPE - 1	58	60	VAR. 32,33,46	58	65
29			77	MATERIAL SPECN. 32,33,46	58	66
				28 → CARD TYPE - 2		7172

VAR.00 59	REMARKS 64	ITEM NO. 75	DESCRIPTION 25 27 29		DRAWING NO. 58 59 60		29,31 VAR. 32,33	MATERIAL CODE 34	A C	UNIT WEIGHT 58	65	66	71	72	ZONE		
CARD TYPE - 3 → 28			28 → CARD TYPE - 1			28 → CARD TYPE - 2											
GMS NO. / GR. SP. NO.			STATUS OF DWS		TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT												
AGREED DEPT	NAME	SIGN	DATE														
REV. DATE ALTERED CHECKED ZONE					भारत भारत BHARAT HEAVY ELECTRICALS LTD. HARDWAR					DRN CHD APD	NAME NDD YKc	SIGN -clm	DATE 13/45	NO OF VAR			
					DEPT. JTE		SCALE		WEIGHT (Kg.)		REF. TO ASSY. DRG.			ITEM NO.			
					CODE 209		1:1		~5.5		R7870.0842			13			
					TITLE		BRACKET					DRAWING NO. R7870-0842/040					
										1		3		SHEET NO.		NO. OF SHEET	

GRADE OF UNTOOL DIM. :-	
M / CG - C / M / F AA 0230208	
WELDING - A/B/C/D-AA 0621104	
GAS CUTTING - 'T3' AA 0621101	
REV. DATE	ALTERED
	CHECKED
ZONE	

GMS NO. / GR. SP. NO.		20		21	
AGREED DEPT	NAME	SIGN	STATUS OF GRS		
4					
1					
REV.	DATE	ALTERED			
ZONE		CHECKED			

CARD TYPE - 1		28 → CARD TYPE - 2			
TYPE OF PRODUCT					
OR					
NAME OF CUSTOMER / PROJECT					
		BHARAT HEAVY ELECTRICALS LTD.		DRN	NAME
		HARDWAR		CHD	SIGN
				APD	DATE
DEPT. JTE		SCALE	WEIGHT (kg.)	REF. TO ASSY. DRG.	ITEM NO.
CODE 209		1:1	~5.5	R7870.0842	13
TITLE			DRAWING NO.		
BRACKET			R7870-0842/040		
			SHEET NO.		
			NO. OF SHEET		

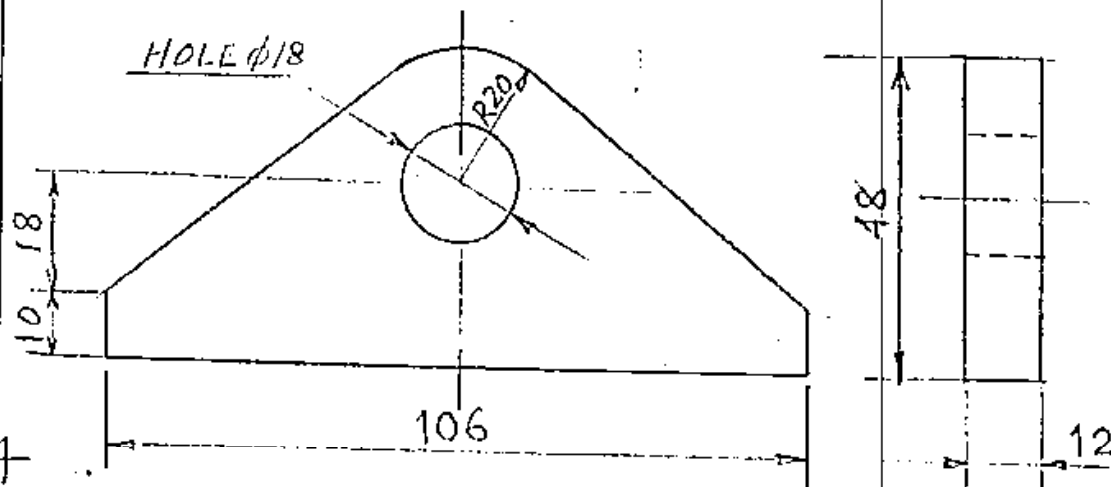
SIZE A2

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR. SP. No.	STATUS OF DRG	
		CHECKED			CHECKED		AGREED	NAME
							DEPT.	SIGN
								DATE

GRADE OF INTOL. DIM. M/CGZ/M/RAA0230208 WELDING A/B/C/D AA0621104 GASCUTTING-T3 AA0621101



REF. DRG. No.	13N13C308		15.11.20		1	
	MATERIAL CODE		MATERIAL SPEC.		UNIT WEIGHT	
SIGN & DATE	REMARKS	ITEM No.	DESCRIPTION	VAR	58	65
	CARD TYPE 3	28	CARD TYPE 1	28	CARD TYPE 2	71
INVENTORY No.	BHARAT HEAVY ELECTRICALS LTD.		HARDWAR		No. OF VAR	
	DEPT. JTE	SCALE 1:1	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM No. OF ITEMS	
	CODE. 209	1:1	0.31	R7870.CS12/04/01	75, 77	
	TITLE PLATE		DRAWING No. R7870-0842/04/1		22, 23, 24	
		SHEET No.		No OF SHEETS		SIZE A4

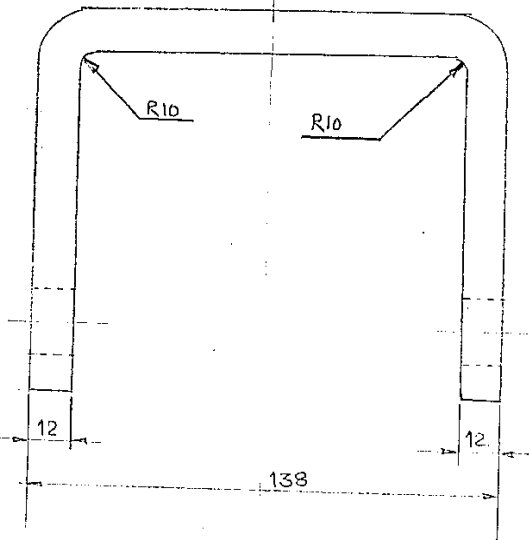
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FIRST ANGLE PROJECTION (ALL DIMENSIONS IN mm)

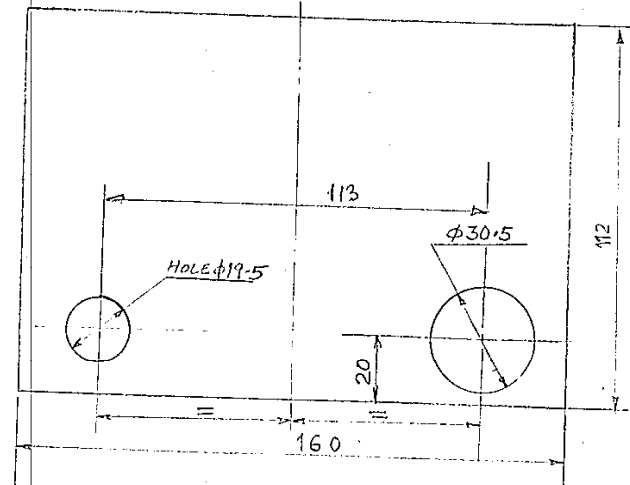
FORM DG 44(B)

DRAWING NO. R7870-0842/042
ON 9MMV8

63/ ALL OVER



DEVELOPED LENGTH = ~ 330



1-2044

INVENTORY NO. SIGN & DATE REF. DRG. NO.

GRADE OF UNTOL / DIM. :-
 M / CG - 0 / M / AA 0230208
 WELDING - A/B/C/D - AA 0621104
 GAS CUTTING - T3 / AA 0621101

REV. DATE ALTERED
 ZONE CHECKED

VAR.00 59	REMARKS 64/65	ITEM NO. 75/25/27	DESCRIPTION 29	STD 58/59/60	DRAWING NO. 77	29.31 VAR. 32/33/26	MATERIAL CODE A 54	MATERIAL SPECN. C 55/56/57/58	UNIT WEIGHT E 65	NO. OF ITEM 66	71/72	ZONE	
CARD TYPE - 3 → 28						28 → CARD TYPE - 2							
GMS NO. / GR. SP. NO.				TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT									
AGREED DEPT				NAME		SIGN		DATE		NO. OF VAR.			
				BHARAT HEAVY ELECTRICALS LTD. HARDWARE		DRN CHD APD		NAME N.D.D. U.E.C.		SIGN /3/5/		DATE 23/74	
REV. DATE ALTERED ZONE CHECKED				REV. DATE ALTERED ZONE CHECKED		DEPT. / TE CODE 209		SCALE 1:1		WEIGHT (kg) 5		REF. TO ASSY. DRG. R7870-0842	
						TITLE U-BASE				DRAWING NO. R7870-0842/042		ITEM NO. 2	
										SHEET NO. 1		NO. OF SHEET 3	

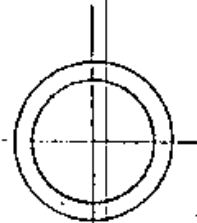
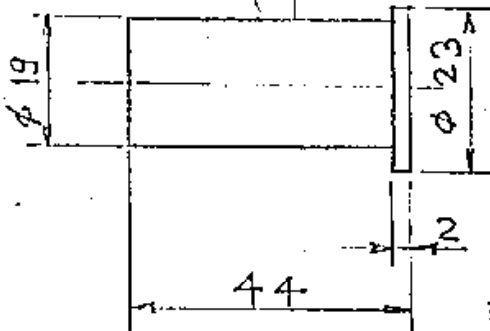
SIZE A2

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG39(B)

REV	DATE	ALTERED	REV	DATE	ALTERED	GMS No. / GR. SP. No.	STATUS OF DRG.
		CHECKED			CHECKED		
						AGREED DEPT.	NAME
						SIGN	DATE

GRADE OF UNTOL. DIM. M/COG/M/AA0230208 WELDING A/B/C/D AA0621104 GASCUTTING-T3 AA0621101

 63/ $\sqrt{\text{ALL OVER}}$


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REF. DRG. No.

SIGN & DATE

INVENTORY No.

REMARKS	ITEM No.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
65	75 25 27 29	58	13.41.34.89 14.15.70	2
CARD TYPE 3	28	CARD TYPE 1	CARD TYPE 2	
BHARAT HEAVY ELECTRICALS LTD.		HARDWAR		
DEPT. JTE	SCALE	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM No.
CODE 209	1:1	0.1	R7870-0842/040	4
TITLE		DRAWING No.		
LUG		R7870-0842/043		
		SHEET No.		
		No. OF SHEETS		

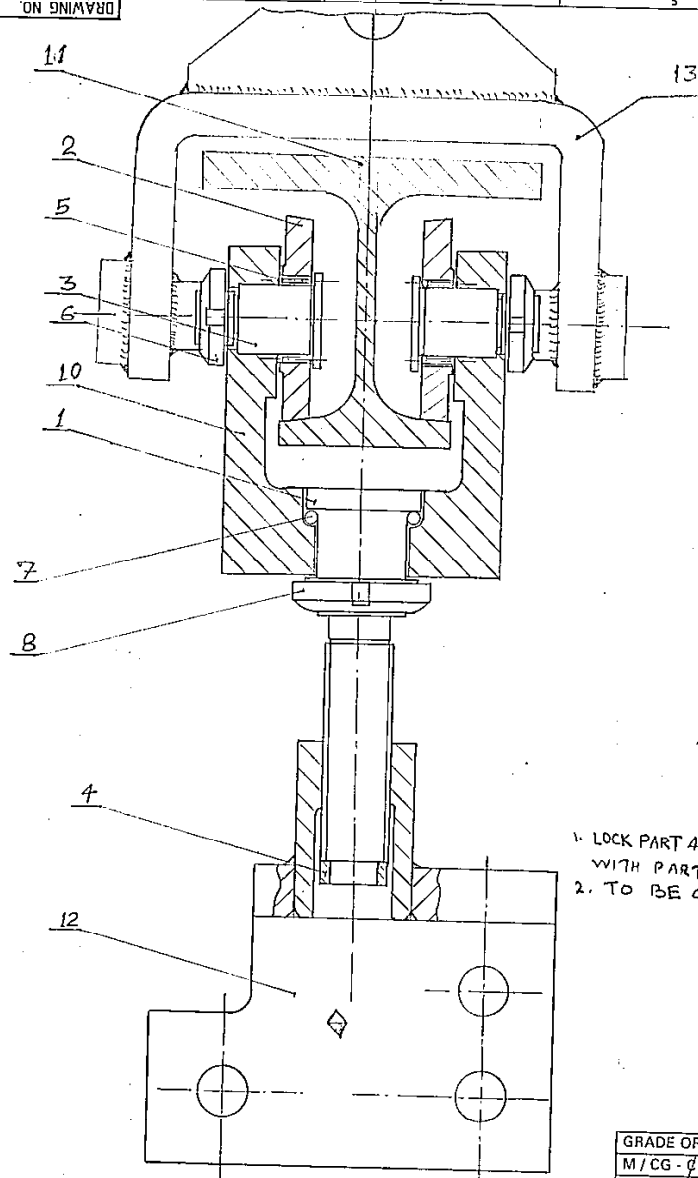
SIZE A4

1-2544

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN mm)

FORM DG 44(B)

DRAWING NO. R7870-0842



MARK
R7870.0842
SRGM 76/62.

NOT SHOWN

1. LOCK PART 4 BY WELDING OR BRAZING WITH PART 1.
2. TO BE CONSERVED AS PER TL30007

13	BRACKET	R7870-0842/040	SUB ASSEMBLY	5.5	
12	SUPPORT	R7870-0842/030	SUB ASSEMBLY	1.0	
11	SLIDE	R7870-0842/020	SUB ASSEMBLY	4.0	
10	SUPPORT	R7870-0842/008	13N13C80 15:1570	1.9	
9	SCREW	R7870-0842/001	St. 8.8 15:1367	0.15	
8	RING NUT M17x1.5	R7870-0842/008	40CB 15:1570	0.055	
7	BALLS	SKFRB4	PURCHASED	1	
6	RING NUT M17x1.5	R7870-0842/008	40CB 15:1570	0.05	
5	BEARING	SKFRK202410	PURCHASED	2	
4	STOPPER	R7870-0842/004	13N13C80 15:1570	0.08	
3	PIN	R7870-0842/003	13N13C80 15:1570	0.09	
2	WHEEL	R7870-0842/002	13N13C80 15:1570	0.11	
1	PIN	R7870-0842/001	13N13C80 15:1570	0.14	

VAR.00 59	REMARKS 64 65	ITEM NO. 75 25 27	DESCRIPTION 29	DRAWING NO. 58 59 60	29.31 VAR. 32.93	MATERIAL CODE A 58	UNIT WEIGHT 58	QTY 7172	ZONE B	
CARD TYPE - 3 → 28			28 → CARD TYPE - 1			28 → CARD TYPE - 2				
GMS NO. / GR. SP. NO.			TYPE OF PRODUCT 76/62 SRGM			COMP. DRG. NO. MIC TOOL TRANS. NO.				
AGREED DEPT	NAME	SIGN	DATE	W/O NO. DFP OMF 069			MIC TOOL MODEL NO.			
DEF	ADHARI	6-7-9		Bharat Heavy Electricals Ltd. HARDWARE						
REV.	DATE	ALTERED	CHECKED	REV.	DATE	ALTERED	CHECKED			
ZONE				ZONE						
GRADE OF UNTOL. DIM. :- M/CG - C/M/F AA 0230208 WELDING - A/B/C/D-AA 0621104 GAS CUTTING - T3 AA 0621101				DEPT. JTE CODE 209				SCALE N.T.S.		WEIGHT (kg.) ~50
TITLE BREECH RING INSTALLING & REMOVAL EQUIPMENT				DRAWING NO. R7870-0842				TOTAL A4 = 2		
				TOTAL A4 = 2				TOTAL A4 = 2		

TOTAL A4 = 2

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INVENTORY NO. SIGN & DATE REF. DRG. NO.
R7870-0842 12-1-97-71